

*Copied
by
Inscribed*

Book Deputy Surveyor.

T. *North*, R. *30 East*
S. W. S. R. Meridian.

No-344

FIELD NOTES

OF

THE SUBDIVISION LINES OF

Township *19 North*, Range *30 East*
S. W. S. R. Meridian.

344

BY

W. R. Fitzgerald, Deputy Surveyor.

Under his Contract of *July 17th* 188*2*

Survey Commenced *December 2nd* 188*2*,

Survey Completed *December 5th* 188*2*,

No-344

Platted, Received
Copied for Washington,
Copied for Register,

Township

Range

Meridian.

For preliminary
sketch and description
of instrument see
Book No. 1.

~~Copy made with Burt's Patent Improved
Solar Compass, made by Otto Fenece
of Cassel, Germany, in 1881.~~

1 D

Chains

From the corner to Sections 35, 36, 1 and 2 on the South boundary, which is a post, 4 ft. long, 4 ins. square, with marked stone, 12 ins. in the ground, marked T. 19 N, U. 36 on N.E.; R. 30 E, U. 1 on S.E.; T. 18 N, U. 2 on S.W. and S. 35 on N.W. faces, with 1 notch on E. and 5 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, 2 ft. high, 4 1/2 ft. base around post, 3 men

North between Secs. 35 and 36.

Var. 14° 07' East.

Ascend through timber.

40.00

Set a post, 3 ft. long, 3 ins. square, with marked stone, 12 ins. in the ground, for 1/4 Sec. Cor, marked 1/4 S. on W. face, dug pits 18 x 18 x 12 ins. N. and S. of post, 5 1/2 ft. dist, and raised a mound of earth, 1 1/2 ft. high, 3 1/2 ft. base around post.

71.00

Top of Ridge, near E. and W. and descend.

80.00

Set a post, 4 ft. long, 4 ins. square, 24 ins. in the ground, for Cor. to Secs. 25, 36, 35 and 36, marked T. 19 N, U. 25 on N.E.; R. 30 E, U. 36 on S.E.; U. 35 on S.W. and U. 36 on N.W. faces, with 1 notch on S. and E. edges;

from which bear:

- A Pine 10 ins. dia, N. 11° E, 17 lks. dist, marked T. 19 N, R. 30 E, S. 25 B. S.
- A Pine, 4 ins. dia, S. 50° 06' E, 11 lks. dist, marked T. 19 N, R. 30 E, S. 36 E. S.
- A Pine, 4 ins. dia, S. 20 1/2° W, 20 lks. dist, marked T. 19 N, R. 30 E, S. 35 B. S.
- A Pine, 8 ins. dia, N. 72 1/2° W, 19 lks. dist, marked T. 19 N, R. 30 E, S. 26 B. S.

Land rolling. Soil 3rd rate. Timbers of Pine. Vegetation developed.

Township 19 N., Range 30 E.,

S. 4th R. Meridian.

Chains East, on a random line between Sections 25 and 36.
Variation 14° 15' East.

Descend through timber.

40.00 Set temporary 14 Sec. Cor.
79.94 Intersect East boundary of Tp., 19 lks. North of Cor. to Secs. 25, 30, 31 and 36, which is a post, 4 ft. long, 4 ins. square, 24 ins. in the ground, marked S. 19 N., R. 30 E. on N. E.; R. 31 E., S. 31 on S. E.; R. 30 E., S. 36 on S. W. and S. 25 on N. W. faces, with 1 notch on S. and 5 notches on N. edges; from which bears:
A Cedar, 22 ins. dia., N. 74° E., 19 lks. dist, marked S. 19 N., R. 31 E., S. 30 S. E.
A Cedar, 20 ins. dia., S. 68° E., 74 lks. dist, marked S. 19 N., R. 31 E., S. 31 S. E.
A Cedar, 22 ins. dia., S. 38° W., 11 lks. dist, marked S. 19 N., R. 30 E., S. 36 S. E.
A Cedar, 14 ins. dia., N. 51° W., 32 lks. dist, marked S. 19 N., R. 30 E., S. 25 S. E. - Hence run N. 19° 52' W. on a true line, bet. Secs. 25 and 36.
Cra. 14° 15' East.

39.97 Set a post, 3 ft. long, 3 ins. square, 24 ins. in the ground, for 14 Sec. Cor, marked 14 Sec. on N. face; from which bears:
A Cedar, 18 ins. dia., N., 20 lks. dist, marked 14 Sec. S. E.
A Cedar, 24 ins. dia., S. 18 1/2° W., 29 lks. dist, marked 14 Sec. S. E.

79.94 The Cor. to Secs. 25, 26, 35 and 36.
Land rolling. Soil 3 mts. Vegetation of Bluegrass. Timber of Pine and Cedar.

Township

19 N,

Range

30 E,

T. 4a S. R.

Meridian.

Chains

North, between Sections 25 and 26.

Variation $14^{\circ} 15'$

East.

Descend through timber.

- 13.20 Cross low Sag, near E. $\frac{2}{3}$ W. and ascend.
- 40.00 Set a post, 3 ft. long, 3 ins. square, 24 ins. in the ground, for '14 Sec. Cor, marked '14 S. on W. face; from which bears:
 A Cedar, 20 ins. dia., 'N. $17^{\circ} E$, 11 lks. dist, marked '14 S. S. S.
 A Cedar, 20 ins. dia., 'N. $62^{\circ} 1/2 W$, 18 lks. dist, marked '14 S. S. S.
- 80.00 Set a post, 4 ft. long, 4 ins. square, with marked stone 12 ins. in the ground, for Cor. to Secs. 23, 24, 25 $\frac{2}{3}$ 26, marked '14 N, '14 S. 24 on N. E.; R. 30 E, '14 S. 25 on S. E.; '14 S. 26 on S. W. and '14 S. 23 on N. W. faces, with 2 notches 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 around post.
- Land selling.
- Soil 3rd rate.
- Timber of Cedar.
- Vegetation of Bunchgrass.

Township 19 N., Range 30 E.,
 S. 4th C. R. Meridian.

Chains East, on a random line between Sections 24 and 25.
 Variation $14^{\circ} 15'$ East.

Descend through timber.

37.10 Cross Juni^{er} Navajo road, bears $N. 80^{\circ} W.$ $2^{\frac{1}{2}}$ $S. 80^{\circ} E.$

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

79.81 Intersect East boundary of Twp, 13 lks. South
 of Cor. to Secs. 19, 24, 25 and 30, which is a
 post, 4 ft. long, 4 ins. square, with marked
 stone, 12 ins. in the ground, marked
 S. 19 N., S. 19 on N. E.; R. 31 E., S. 30 on S. E.;
 N. 30 E., S. 25 on S. W. and S. 24 on N. W. lines,
 with 2 notches on S. $2^{\frac{1}{2}}$ and 4 notches on N. edges;
 from which bears:

A Cedar, 20 ins. dia., 169 lks. dist., marked
 S. 19 N., R. 30 ~~W.~~ E., S. 25 ~~W.~~ E. S.

A Cedar, 22 ins. dia., $4^{\frac{1}{2}}$, $56^{\circ} W.$, 81 lks. dist., marked
 S. 19 N., R. 30 E., S. 24 ~~W.~~ E. No other trees
 within limits; with pits $18 \times 18 \times 12$ ins. in Secs.
 19 ~~and~~, $5^{\frac{1}{2}}$ ft. dist, $2^{\frac{1}{2}}$ a mound of earth,
 $2^{\frac{1}{2}}$ ft. high, $4^{\frac{1}{2}}$ ft. base around post - thence I run
 $S. 69^{\circ} 54' W.$ on a true line, bet. Secs. 24 and 25.
 Crs. $14^{\circ} 15'$ East.

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

79.81 The Cor. to Secs. 23, 24, 25 and 26.
 Some willows, Soil 3 ~~to~~ $2^{\frac{1}{2}}$ to. Timber of Pine and Cedar,

Chains

North, between Sections 23 and 24.

Variation 14° 15'

East.

Ascend through timber.

- 6.20 Cross Juni^{er} ^{and} Harajo's road, course N. 80° W. ^{and} S. 80° E.
- 40.00 Set a post, 8 ft. long, 4 in. square, 24 in. in the ground, for 74 Sec. Cor, marked 74 S. on W. face; from which bears:
A Cedar, 20 in. dia., N. 74° E., 66 lks. dist., marked 74 S. P. S.
A Cedar, 24 in. dia., West, 81 lks. dist., marked 74 S. P. S.
- 50.00 Top of Ridge, from E. ^{and} W. ^{and} descend.
- 70.00 Cross gulch, 8 lks. wide, course W. ^{and} ascend.
- 80.00 Set a post, 4 ft. long, 4 in. square, 24 in. in the ground, for Cor. to Secs. 13, 14, 23 ^{and} 24, marked S. 19 N., S. 13 on N. E.; R. 30 E., S. 24 on S. E.; S. 23 on S. W. ^{and} S. 14 on N. W. faces, with 3 notches on S. ^{and} 1 notch on E. edges; from which bears:
A Pine, 10 in. dia., N. 21 1/4° E., 72 lks. dist., marked S. 19 N., R. 30 E., S. 13 P. S.
A Pine, 6 in. dia., S. 29 3/4° E., 15 lks. dist., marked S. 19 N., R. 30 E., S. 24 P. S.
A Pine, 6 in. dia., S. 12° W., 87 lks. dist., marked S. 19 N., R. 30 E., S. 23 P. S.
A Cedar, 18 in. dia., N. 5 1/2° W., 17 lks. dist., marked S. 19 N., R. 30 E., S. 14 P. S.

Land rolling.

Soil 3rd rate.

Timber of Pine ^{and} Cedar.

Vegetation of Bunch grass.

Township 19 N., Range 30 E.
G. and S. R. Meridian.

Chains

East, on a random line between Sections 13 and 24.

Variation $14^{\circ} 10'$ East.

Ascend through timber.

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

67.00 Top of Ridge, Cross N. and S. and descend.

79.68 Intersect East boundary of Twp, 22 lks. North
of Cor. to Secs. 13, 14, 19th and 24th, which is a
post, 4 ft. long, 4 ins. square, with marked
stone, 12 ins. in the ground, marked
T. 19 N., S. 18 on N.E.; R. 31 E., S. 19 on S.E.;
R. 30 E., S. 24 on S.W. and S. 13 on N.W. face,
with 3 notches on N. and S. edges; with pits
18 x 18 x 12 ins. in each Sec., 5 $\frac{1}{2}$ ft. dist, and a
mound of earth, 2 ft. high, 4 $\frac{1}{2}$ ft. base
around post — Hence I run
N. 89° 57' W. on true line, bet. Secs. 13th and 24th.
Var. $14^{\circ} 10'$ East.

79.84 Set a post, 3 ft. long, 3 ins. square, 24 ins. in the
ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ S. on N. face;
from which bear.

2 Cedar, 18 ins. dia., N. 21° E., 54 lks. dist., marked $\frac{1}{4}$ S. R. E.

2 Cedar, 26 ins. dia., S. 82° W., 9 lks. dist., marked $\frac{1}{4}$ S. R. E.

79.68 The Cor. to Secs. 13, 14, 23rd and 24th.

Land rolling. Soil 8th rate.

Timber of Cedar.

Vegetation of Bunchgrass.

Chains

North, between Sections 13 and 14.

Variation $14^{\circ} 15'$ East.

Proceed through timber.

40.00 Set a post, 3 ft. long, 3 in. square, 2 x in. in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ C. on W. face; from which pass:

A Pine, 5 in. dia., $S. 62^{\circ} 4' E.$, 31 lks. dist., marked $\frac{1}{4}$ C. B. T.

A Pine, 10 in. dia., $N. 77^{\circ} W.$, 35 lks. dist., marked $\frac{1}{4}$ C. B. T.

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

11, 12, 13 ^{and} 14, marked $S. 19^{\circ} W.$, $S. 12$ on $N. E.$;

$R. 30 E.$, $S. 13$ on $S. E.$; $S. 14$ on $S. W.$ ^{and} $S. 11$ on

$N. W.$ faces, with 4 notches on $S.$ ^{and} 1 notch on

$E.$ edges; from which pass:

A Cedar, 26 in. dia., $S. 24^{\circ} E.$, 19 lks. dist., marked $S. 19 N.$, $R. 30 E.$, $S. 13 B. T.$

A Cedar, 20 in. dia., $S. 10^{\circ} W.$, 27 lks. dist., marked $S. 19 N.$, $R. 30 E.$, $S. 14 B. T.$

A Cedar, 18 in. dia., $N. 61^{\circ} 4' W.$, 84 lks. dist., marked $S. 19 N.$, $R. 30 E.$, $S. 11 B. T.$

No other tree within limits; dug pits 18 x 18 x 12 in.

in Sec. 12, 5 ft. dist., and raised a mound

of earth, 2 ft. high, 4 ft. base around post.

Land rolling. Soil 3rd mts.

Timber of some Cedars

Vegetation of bunch grass.

Township 19 N, Range 30 E,
 S. 1/4 S. R. Meridian.

Chains

East, on a random line between Sections 12 and 13.

Variation $14^{\circ} 15'$ East.

Ascend through timber.

40.00 Set temporary 1/4 Sec. Cor.

80.14 Intersect East boundary of Twp, 14 lks. North
 of Cor. to Secs. 7, 12, 13 and 18, which is a
 post, 4 ft. long, 4 in. square, with marked
 stone, 12 in. in the ground, marked
 S. 19 N., S. 7 on N. E.; R. 31 E., S. 18 on S. E.;
 R. 30 E., S. 13 on S. W. $\frac{1}{4}$ S. 12 on N. W. faces,
 with 4 notches on S. and 2 notches on N.
 edges; with pits 18 x 18 x 12 in. in each
 Sec., 5 ft. dist, and a mound of earth,
 2 ft. high, 4 ft. base around post - hence run
 $N. 89^{\circ} 54' W.$ on a true line, bet. Secs. 12 and 13.

Gra. $14^{\circ} 15'$ East.

40.07 Set a post, 3 ft. long, 3 in. square, with
 marked stone, 12 in. in the ground, for
 1/4 Sec. Cor., marked 1/4 S. on N. face, dig
 pits 18 x 18 x 12 in. E. and W. of post, 5 ft.
 dist, and raised a mound of earth,
 1 1/2 ft. high, 3 ft. base around post.

80.14 The Cor. to Secs. 11, 12, 13 and 14.

Land rolling.

Soil 3rd rate.

Timber of Pine and Cedar. Vegetation of Bluegrass.

Township 19 N., Range 30 E.,

G. M. S. R. Meridian.

Chains

North, between Sections 11 and 12.

Variation $14^{\circ} 15'$ East.

Access through timber.

40.00 Set a post, 8 ft. long, 3 ins. square, with marked stone, 12 ins. in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ S. on W. face, dug pits $18 \times 18 \times 12$ ins. N. $\frac{1}{2}$ 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.

50.00 Top of Ridge, bear E. $\frac{1}{2}$ W. and descend.

80.00 Set a post, 4 ft. long, 4 ins. square, with marked stone, 12 ins. in the ground, for Cor. to Secs. 1, 2, 11 and 12, marked S. 19 N., S. 1 on N. E.

R. 30 E., S. 12 on S. E.

S. 11 on S. W. and

S. 2 on N. W. face, with 5 notches on S. $\frac{1}{2}$ and 1 notch 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 around post.

Land rolling.

Soil 3rd rate.

Timber of Scrub Cedar.

Vegetation of Bunchgrass.

Township 19 N. Range 30 E.
 G. M. S. R. Meridian.

Chains

East, on a random line between Sections 1 and 12.

Variation $14^{\circ} 15'$ East.

Desced through timber;

16.00 Cross Gulch, 12 lks. wide, course $S. 20^{\circ} W.$ $\frac{1}{4}$ sec. cor.40.00 Set temporary $\frac{1}{4}$ Sec. Cor.

79.86 Intersect East boundary of Twp, 6 lks. North
 of Cor. to Secs. 1, 6, 7 $\frac{1}{4}$ 12, which is a
 post, 4 ft. long, 4 ins. square, with marked
 slaw, 12 ins. in the ground, marked
 T. 19 N., S. 6 on N. E.; R. 31 E., S. 7 on S. E.;
 R. 30 E., S. 12 on S. W. $\frac{1}{4}$ S. 1 on N. W. face,
 with 5 notches on S. $\frac{1}{4}$ 1 notch on N. edge,
 with pits $18 \times 18 \times 12$ ins. in each Sec.,
 $5\frac{1}{2}$ ft. dist., and a mound of earth, 2 ft.
 high, $4\frac{1}{2}$ ft. base around post - Hence I run
 $N. 89^{\circ} 57' W.$ as a true line, bet. Secs. 1 $\frac{1}{4}$ 12.

+

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

39.93 Set a post, 3 ft. long, 3 ins. square, with marked
 slaw, 12 ins. in the ground, for $\frac{1}{4}$ Sec. Cor, marked
 $14^{\circ} S.$ on N. face; From which bears:

A Cedar, 18 ins. dia., N.E., 25 lks. dist, marked $14^{\circ} S. E.$

No other tree within limits $\frac{1}{4}$ sec dug a pit
 $18 \times 18 \times 12$ ins. W. of post, $5\frac{1}{2}$ ft. dist., $\frac{1}{4}$ sec saw a
 mound of earth, $1\frac{1}{2}$ ft. high, $3\frac{1}{2}$ ft. base around post.

79.86 The Cor. to Secs. 1, 2, 11 $\frac{1}{4}$ 12.

Same rolling. Soil 3rd rate. Vegetation
 of Birch, Spruce, and Cedar.

Township

19 N,

Range

30 E,

G. M. S. R. Meridian.

Chains

North, on a random line between Sections 1 and 2.

Variation $14^{\circ} 15'$ East.

Ascend through timber.

40.00 Set temporary $\frac{1}{4}$ Sec. Cor.79.88 Intersect North boundary of Twp, 20 lks. West
of Cor. to Secs. 1, 2, 35th & 36, recently set by me,
from which Cor., I run
S. 9° W. a true line, bet. Secs. 1 and 2.Va. $14^{\circ} 15'$ East.39.88 Set a post, 3 ft. long, 3 ins. square, 24 ins. in
the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ S.
on W. face; from which pass:A Cedar, 18 ins. dia., S. 80° W., 16 lks. dist,
marked $\frac{1}{4}$ S. B. C.A Cedar, 16 ins. dia., N. 22° W., 54 lks. dist,
marked $\frac{1}{4}$ S. B. C.

79.88 The Cor. to Secs. 1, 2, 11 and 12.

Land rolling.

Soil 3rd rate.

Vegetation of Bunchgrass.

Trunks of Gamb Cedar.

I carefully examined my Solar Compass
today and found it correct.W. R. Fitzgerald, Dec. 2nd 1882.

Township

19 N.

Range

30 E.

G. W. S. R. Meridian.

Chains

From the Cor. to Secs. 2, 3, 34th & 35, which is
 a foot, 4 ft. long, 4 ins. square, with marked
 stone, 12 ins. in the ground, marked
 T. 19 N., S. 35 on N. E.; R. 30 E., S. 2 on S. E.;
 T. 18 N., S. 3 on S. W. ^{4th} & S. 33 on N. W. face, with
 2 notches on E. ^{1/2} & 4 notches on W. edges; with pits
 18 x 18 x 12 ins., in each Sec., 5th ft. dist., ^{1/2} a
 mound of earth, 2 ft. high, 4th ft. base
 around post, from
 North, between Secs. 34th & 35.

Gra. 14° 07' East.

Decadal turning to timber.

- 40.00 Set a post, 3 ft. long, 3 ins. square, with marked stone,
 12 ins. in the ground, for the Sec. Cor., marked the S. on W.
 face, dug pits 18 x 18 x 12 ins., N. ^{1/2} S. of post, 5th ft. dist.,
^{1/2} a mound of earth, 1st ft. high, 3rd ft. base around post.
- 47.00 Cross Cutch, 6 lks. wide, came W. ^{1/2} and ascend.
- 80.00 Set a post, 4 ft. long, 4 ins. square, 24 ins. in the ground, for
 Cor. to Secs. 26, 27, 34th & 35, marked T. 19 N., S. 26 on N. E.;
 R. 30 E., S. 35 on S. E.; S. 34 on S. W. ^{2nd} of 27 on N. W. face,
 with 1 notch out. ^{1/2} & 2 notches on E. edges; from which bears:
 A Pine, 6 ins. dia., N. 29° E., 10 lks. dist,
 marked T. 19 N., R. 30 E., S. 26 S. E.
 A Pine, 10 ins. dia., S. 73^{3/4}° E., 102 lks. dist,
 marked T. 19 N., R. 30 E., S. 35 S. E.
 A Cedar, 20 ins. dia., S. 24° W., 97 lks. dist,
 marked T. 19 N., R. 30 E., S. 34 S. E.
 A Pine, 9 ins. dia., N. 10^{1/2}° W., 13 lks. dist,
 marked T. 19 N., R. 30 E., S. 27 S. E.

Land rolling. Soil 2nd rate.

Vegetation of Decid. grass. Timber of Pine & Cedar.

Township

19 N.

Range

30 E.

S. 4th S. R. Meridian.

Chains

East, on a random line between Sections 26 and 35.

Variation $14^{\circ} 15'$ East.

Descend.

- 40.00 Set temporary 1/4 Sec. Cor.
- 80.15 Intersect N. 4th S. line, 121 lks. South of
Cor. to Secs. 25, 26, 35 and 36,
thence I run
S. $89^{\circ} 55'$ W. on a true line, bet. Secs. 26 and 35.
Cra. $14^{\circ} 15'$ East.
- 40.07 Set a post, 3 ft. long, 3 ins. square, with
marked stone, 12 ins. in the ground, for
1/4 Sec. Cor, marked the S. on N. face,
dug pits 18 x 18 x 12 ins., E. and W. of
post, 5¹/₂ ft. dist, and raised a mound
of earth, 1¹/₂ ft. high, 3¹/₂ ft. base
around post.
- 80.15 The Cor. to Secs. 26, 27, 34 and 35.
Land rolling.
Soil 3rd rate.
Timber of Cedar.
Vegetation of Bunchgrass.

Township

19 N.

Range

30 E.

G. & R. Meridian.

Chains

North, between Sections 26 and 27.

Variation $14^{\circ} 14'$ East.

Ascend through timber.

- 6.00 Top of Ridge, from E. & W. end descend.
- 40.00 Set a post, 3 ft. long, 3 ins. square, with
marked stone, 12 ins. in the ground for
1/4 Sec. Cor., marked 1/4 S. on W. face;
From which bears:
N. Pair, 10 ins. dia., N. 67 1/2 W., 18 lks. dist.,
marked 1/4 S. S. E. No other tree within limits;
Dug a pit 18 x 18 x 12 ins. S. of post, 5 ft.
dist., and raised a mound of earth, 1 1/2 ft.
high, 3 1/4 ft. base around post.
- 80.00 Set a post, 4 ft. long, 4 ins. square, with
marked stone, 12 ins. in the ground, for Cor.
to Secs. 22, 23, 26 & 27, marked
S. 19 W., S. 23 on N. E.
N. 30 E., S. 26 on S. E.
S. 27 on S. W. and S. 22 on N. W. faces,
with 2 notches on S. & 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 around post.
Land rolling. Soil 3rd rate.
Timber of Pine & Cedar.
Vegetation of Bunchgrasses.

Township 19 N., Range 30 E.,
S. 4th S. R. Meridian.

Chains	East, on a random line between Sections 23 and 26.
	Variation $14^{\circ} 15'$ East.
	Descend through timber.
40.00	Set temporary $1/4$ Sec. Cor.
79.57	Intersect N. 4th S. line, 26 lks. North of Cor. to Secs. 23, 24, 25 and 26, from which Cor., I run N. $89^{\circ} 49' W.$ a true line, bet. Secs. 23 and 26. Crs. $14^{\circ} 15'$ East.
39.78	Set a post, 3 ft. long, 3 ins. square, 24 ins. in the ground, for $1/4$ Sec. Cor., marked $1/4$ ch. on N. face; from which run: A Cedar, 18 ins. dia., S. $74^{\circ} 1/2' E.$, marked $1/4$ ch. S. E. A Cedar, 22 ins. dia., N. $54^{\circ} W.$, 31 lks. dist., marked $1/4$ ch. S. E.
79.57	The Cor. to Secs. 22, 23, 26 and 27. Land rolling. Soil 3 rd rate. Timber of Cedar. Vegetation of Bruchygras.

Township 19 N., Range 30 E.,
 G. W. S. R. Meridian.

Chains North, between Sections 22 and 23.

Variation $14^{\circ} 15'$ East.

Descends.

21.09 Cross Juni^{2a} Varajo's road, course E. and W.

40.00 Set a post, 3 ft. long, 3 ins. square, 24 ins. in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ S. on W. face; from which bears:
 A Cedar, 10 ins. dia., $N. 73^{\circ} E.$, 21 lks. dist., marked $\frac{1}{4}$ S. B. T.

A Pine, 6 ins. dia., $S. 24^{\circ} 42' W.$, 81 lks. dist., marked $\frac{1}{4}$ S. B. T.

80.00 Set a post, 4 ft. long, 2 ins. square, 24 ins. in the ground, for Cor. to Secs. 14, 15, 22nd and 23, marked T. 19 N., S. 14 on N. E.; R. 30 E., S. 23 on S. E.; S. 22 on S. W. $\frac{3}{4}$ S. 15 on N. W. faces, with 3 notches on S. $\frac{3}{4}$ and 2 notches on E. edges; from which bears:

A Pine, 18 ins. dia., $N. 63^{\circ} E.$, 103 lks. dist., marked T. 19 N., R. 30 E., S. 14 B. T.

A Pine, 18 ins. dia., $S. 11^{\circ} 42' E.$, 33 lks. dist., marked T. 19 N., R. 30 E., S. 23 B. T.

A Pine, 12 ins. dia., $S. 7^{\circ} 10' W.$, 86 lks. dist., marked T. 19 N., R. 30 E., S. 22 B. T.

A Pine, 10 ins. dia., $N. 16^{\circ} 10' W.$, 61 lks. dist., marked T. 19 N., R. 30 E., S. 15 B. T.

Land rolling. Soil 2nd rate.

Quincy of Pine $\frac{3}{4}$ Cedar.

Township 19 N., Range 30 E.,
T. 19 N. S. R. Meridian.

Chains

East, on a random line between Sections 14 and 23.

Variation $14^{\circ} 15'$ East.

Ascend through timber.

40.00 Set temporary 1/4 Sec. Cor.

79.87 Intersect N. 1/4 S. line, 25 lks. South
of Cor. to Secs. 13, 14, 23 and 24,
thence runS. $89^{\circ} 49' W.$ on a true line bet Secs. 14 and 23.
Gra. $14^{\circ} 15'$ East.39.93 Set a post, 3 ft. long, 3 in. square, with
marked stone, 12 in. in the ground, for
1/4 Sec. Cor., marked 1/4 S. on N. face,
dig pits 18 x 18 x 12 in., E. and 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.

79.87 The Cor. to Secs. 14, 15, 22 and 23.

Land rolling.

Soil 3rd rate.

Timber of Cedar.

Vegetation of Bunchgrass.

Township 19 N., Range 30 E.,
S. 2nd C.R. Meridian.

Chains X

North, between Sections 14 and 15.

Variation $14^{\circ} 15'$ East.

Acres.

- 4.00 Top of Ridge, bears E. 2° and W. 1° and ascends.
- 32.50 Cross Gulch, 10 lbs. wide, course S. 52° W. 2° ascends.
- 40.00 Set a post, 3 ft. long, 3 ins. square, with
marked stone, 12 ins. in the ground, for
Sec. Cor., marked $1/4$ S. on W. face, dug
pits $18 \times 18 \times 12$ ins. N. 2° S. of post, 5 $1/2$ ft.
dist., and raised a mound of earth,
1 $1/2$ ft. high, 3 $1/2$ ft. base around post.
- 80.00 Set a post, 4 ft. long, 4 ins. square, with
marked stone, 12 ins. in the ground, for
Cor. to Secs. 10, 11, 14 and 15, marked
S. 14 N., S. 11 on N.E.,
R. 30 E., S. 14 on S.E.,
S. 15 on S.W. and
S. 10 on N.W. faces, with 4 notches on
S. 2° and 2 notches on E. edges, dug pits
 $18 \times 18 \times 12$ 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.
Saw rolling.
Soil 3rd rate.
Vegetation of Bunchgrass.

Township 19 N. Range 30 E.
 G. M. V. R. Meridian.

Chains

East, on a random line between Sections 11 and 14.

Variation $14^{\circ} 15'$ East.

Descend,

40.00 Set temporary $\frac{1}{4}$ Sec. Cor.79.79 Intersect M. and S. line, 12 lks. South of
Cor. to Secs. 11, 12, 13 and 14;

thence run

S. $89^{\circ} 55'$ W. on a true line, bet. Secs. 11 and 14,
 Va. $14^{\circ} 15'$ East.39.89 Set a post, 3 ft. long, 3 ins. square, 24 ins.
in the ground, for $\frac{1}{4}$ Sec. Cor., marked
 $\frac{1}{4}$ S. on N. face; four which bears:
A Cedar, 26 ins. dia., S. 64° E., 71 lks. dist.,
marked $\frac{1}{4}$ S. B. C.A Pine, 18 ins. dia., N. $18^{\circ} 14'$ W., 87 lks. dist.,
marked $\frac{1}{4}$ S. B. C.

99.79 The Cor. to Secs. 10, 11, 14 and 15.

Land rolling.

Soil 3rd mts.

Timber of Pine and Cedar.

Township

19 N.

Range

30 E.

G. & S. R.

Meridian.

Chains

x

North, between Sections 10 and 11.

Variation

140° 15'

East.

Ascend through timber,

31.55 Top of ridge, bears N. 70° E. $\frac{1}{4}$ Sec. S. 70° W. $\frac{3}{4}$ Sec. descend.40.00 Set a post, 3 ft. long, 3 ins. square, 24 ins. in the ground, for $\frac{1}{4}$ Sec. Cor., marked N. S. on W. face; from which bears:

A Cedar, 24 ins. dia., East, 70 lks. dist., marked N. S. B. S.

A Cedar, 20 ins. dia., N. 98 $\frac{1}{2}$ ° W., 102 lks. dist., marked N. S. B. S.80.00 Set a post, 4 ft. long, 4 ins. square, 24 ins. in the ground, for Cor. to Secs. 2, 3, 10 $\frac{1}{4}$ N. 11, marked S. 19 N., S. 2 on N. E.; R. 30 E., S. 11 on S. E.;S. 10 on S. W. $\frac{1}{4}$ Sec. S. 3 on N. W. face, with 5 notches on S. $\frac{1}{4}$ Sec. 2 notches on E. edges; from which bears:A Cedar, 26 ins. dia., N. 52 $\frac{1}{2}$ ° E., 29 lks. dist., marked S. 19 N., R. 30 E., S. 2 B. S.

A Pine, 5 ins. dia., S. 22° E., 11 lks. dist., marked S. 19 N., R. 30 E., S. 11 B. S.

A Cedar, 20 ins. dia., S. 57° W., 18 lks. dist., marked S. 19 N., R. 30 E., S. 10 B. S.

A Cedar, 20 ins. dia., N. 21., 10 lks. dist., marked S. 19 N., R. 30 E., S. 3 B. S.

Land rolling.

Soil 3rd rate.Timber of Cedar $\frac{1}{4}$ Sec.

Vegetation of Bunchgrass.

Township

19 N,

Range

30 E,

S. 1/4 Sec. 1, R.

Meridian.

Chains

East, on a random line between Sections 2 and 11.

Variation $14^{\circ} 15'$ East.

Descend.

12.00 Cross Gulet, 10 lks. wide, course S. W.
and ascend.

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

63.00 Top of Ridge, bearing N. 10° E. 2^{nd} S. 10° W. 2^{nd} descend.

79.55 Intersect N. 2^{nd} S. line, at Cor. to Secs.

1, 2, 11 2^{nd} 12, Hence I run

West on a true line, bet. Secs. 2 2^{nd} 11.

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

39.74 Set a post, 3 ft. long, 3 ins. square, 24 ins.
in the ground, for $1/4$ Sec. Cor, marked

$1/4$ S. on N. face; from which bear:
a Pine, 10 ins. dia., N. 16° E., 81 lks. dist,
marked $1/4$ S. B. T.

a Cedar, 16 ins. dia., S. $11^{1/2}$ W., 31 lks. dist,

+ marked $1/4$ S. B. T. +

79.58 The Cor. to Secs. 2, 3, 10 2^{nd} 11.

Land rolling.

Soil 3rd rate.

Tufts of Pine and Cedar.

Vegetation of Bunchgrass,

Township

19 N,

Range

POOK 344

30 E,

22

G. M. S. R. Meridian.

Chains

North, on a random line between Sections 2 and 3.

Variation $14^{\circ} 15'$ East.

Descend.

- 11.16 Cross Gulch, 4 lks. wide, course S. E.
and ascend.
- 40.00 Set temporary $\frac{1}{4}$ Sec. Cor.
- 80.13 Intersect North boundary of Twp, 12 lks.
East of Cor. to Secs. 2, 3, 34th 34,
recently set by me, thence I run,
S. 5' E. on a true line, bet. Secs. 2nd & 3,
Crs. $14^{\circ} 15'$ East.
- 40.13 Set a post, 3 ft. long, 3 ins. square, with
marked stake, 12 ins. in the ground, for
 $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ S. on W. side;
from which bears:
A Cedar, 36 ins. dia., East, 21 lks. dist., marked $\frac{1}{4}$ S. E.
No other tree within limits; dug a pit
18 x 14 x 12 ins. N. 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.
- 80.13 The Cor. to Secs. 2, 3, 10th & 11.
Land rolling.
Soil 3rd rate.
Timber of Cedar and Pine.
I carefully examined my Solar Compass
today and found it correct.
S. C. Capt. Comptroler, Dec. 2nd 1852.

Township

19 N,

Range

30 E,

S. & P. R. Meridian.

Chains

From the Cor. to Secs. 3, 4, 33rd, 34, on S. B. of T₁,
which is a post, 4 ft. long, 4 ins. square, with
marked stone, 12 ins. in the ground, marked
S. 19th, S. 34th on N. E.; R. 30 E, S. 3 and S. E.; S. 18th,
S. 4 on S. W. On S. 33rd on N. W. faces, with 3 notches on
E. & W. edges, with pits 18 x 18 x 12 ins. in each Sec.,
5th ft. dist, and a mound of earth, 2 ft. high, 4th ft.
base around post, from

North, between Secs. 33rd and 34.

W. 14° 07' East.

Descend.

- 40.00 Set a post, 3 ft. long, 3 ins. square, with marked stone,
12 ins. in the ground, for 14 Sec. Cor., marked 14 S. on W.
face, dug pits 18 x 18 x 12 ins. N. and S. of post, 5th ft.
dist, and raised a mound of earth, 1th ft. high,
3rd ft. base around post.
- 49.00 Cross Gully, 8 lks. wide, course W. and ascend.
- 69.00 Top of Ridge, near E. & W. and descend.
- 80.00 Set a post, 4 ft. long, 4 ins. square, with marked
stone 12 ins. in the ground for Cor. to Secs. 27, 28, 33rd and 34,
marked S. 19th, S. 27 and N. E.; R. 30 E, S. 34 on S. E. S. 33rd on
S. W. On S. 28 on N. W. faces, with 1 notch and 3 notches
on E. edges; from which trees:
A Cedar, 36 ins. dia, N. 65° E, 32 lks. dist, marked
S. 19th, R. 30 E, S. 27 S. E.
A Cedar, 20 ins. dia, S. 13th W, 44 lks. dist, marked
S. 19th, R. 30 E, S. 33 S. E.
A Cedar, 30 ins. dia, N. 27th W, 18 lks. dist, marked
S. 19th, R. 30 E, S. 28 S. E. No other trees within limits
dug a pit, 18 x 18 x 12 ins. in Sec. 34, 5th ft. dist, and
raised a mound of earth, 2 ft. high, 4th ft. base around post.
- Land rolling. Soil 3rd rate. Vegetation of *Rhus glabra*,
Cedar and Pine.

Township

19 N,

Range

30 E,

S. 4th S. R. Meridian.

Chains

East, on a random line between Sections 27 and 34.

Variation 14° 15' East.

Ascend.

- 32.10 Top of Ridge, bear N.E. 2nd S. W. and descend.
- 40.00 Set temporary 1/4 Sec. Cor.
- 45.30 Cross Gulch, 8 lks. wide, course S.W. and ascend.
- 79.74 Intersect N. and S. line, 14 lks. North of Cor. to Secs. 26, 27, 34 and 35, thence I run N. 89° 54' W. on a true line, bet. Secs. 27 and 34. Var. 14° 15' East.
- 39.87 Set a post, 3 ft. long, 3 in. square, 24 in. in the ground, for 1/4 Sec. Cor, marked 1/4 S. on N. face; from which mark:
 a Cedar, 27 in. dia., S. 21° E., 117 lks. dist., marked 1/4 S. B. T.
 a Cedar, 12 in. dia., N. 51° 1/2' W., 81 lks. dist., marked 1/4 S. B. T.
- 79.74 The Cor. to Secs. 27, 28, 33 and 34.
 Land rolling.
 Soil 3rd rate.
 Timber of Pine and Cedar.
 Vegetation of Bunchgrasses.

Township

19 N,

Range

30 E,

S. 1/4 S. R.

Meridian.

Chains

North, between Sections 27 and 28.

Variation

14° 15'

East.

*Descend.*31.00 Cross Gulch, 10 lks. wide, curve N. 80° W. ²/₃ ascend.

40.00 Set a post, 3 ft. long, 3 ins. square, 24 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 S. on W. face, from which bear:

A Cedar, 20 ins. dia., East, 18 lks. dist., marked 1/4 S. E. E.

A Cedar, 26 ins. dia., S. 84° W., 94 lks. dist., marked 1/4 S. E. E.

80.00 Set a post, 4 ft. long, 4 ins. square, 24 ins. in the ground, for Cor. to Secs. 21, 22, 27 ²/₃ at, marked S. 19 N., S. 22 on N. E.; R. 30 E., S. 27 on S. E.; S. 28 on S. W., ²/₃ S. 21 on N. W. faces, with 2 notches on S. ²/₃ notches on E. edges; from which bear:

A Pine, 6 ins. dia., N. 24 1/2° E., 35 lks. dist., marked S. 19 N., R. 30 E., S. 22 E. E.

A Pine, 10 ins. dia., S. 65° E., 101 lks. dist., marked S. 19 N., R. 30 E., S. 27 E. E.

A Pine, 4 ins. dia., S. 15° W., 25 lks. dist., marked S. 19 N., R. 30 E., S. 28 E. E.

A Pine, 12 ins. dia., N. 93 1/4° W., 17 lks. dist., marked S. 19 N., R. 30 E., S. 21 E. E.

Land rolling. Soil 3rd rate. Vegetation of Bunchgrass. Timber of Pine and Cedar.

Township 19 N, Range 30 E, G. & C. R. Meridian.

Chains East, on a random line between Sections 22 and 27.
Variation 140 10' East.

Ascends

12.00 Top of Ridge, bears N. 2/4 S. and descends.

36.40 Cross gulch, 8 lks. wide, course N. 1/4 ascends.

40.00 Set temporary 1/4 Sec. Cor.

80.11 Intersect N. 2/4 S. line, 28 lks. North of Cor. to Secs. 22, 23, 26 and 27

Hence I run

N. 89° 48' W. on a true line, bet. Secs. 22 and 27.
Va. 140 10' East.

40.05 Set a post, 3 ft. long, 3 ins. square, 24 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 S. on N. face; from which bears:
A cedar, 20 ins. dia., S. 81° E., 32 lks. dist., marked 1/4 S. B. T.

A cedar, 24 ins. dia., N. 64 1/2° W., 47 lks. dist., marked 1/4 S. B. T.

80.11 The Cor. to Secs. 21, 22, 27 and 28.

Land rolling.

Soil 3rd rate.

Vegetation of Bluegrass.

Planting of Pine and Cedar.

Township

19 N.,

Range

30 E.,

N. 2nd S. R.

Meridian.

Chains

North, between Sections 21 and 22.

Variation

 $14^{\circ} 15'$

East.

Description:

- 22.15 Cross Juni ^{on} Harajoi road, near E. ^{and} W.
- 27.00 Cross Gulch, 10 lks. wide, course S. W. ^{and} ascend.
- 40.00 Set a post, 3 ft. long, 3 ins. square, with marker stone, 12 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 S. on W. face, dug pits 18x18x12 ins. N. ^{and} S. of post, 5 1/2 ft. dist, and raised a mound of earth, 1 1/2 ft. high, 3 1/2 ft. base around post.
- 80.00 Set a post, 4 ft. long, 4 ins. square, with marker stone, 12 ins. in the ground, for Cor. to Secs. 15, 16, 21 ^{and} 22, marked S. 19 N., S. 15 on N. E., R. 30 E., S. 22 on S. E., S. 21 on S. W. and S. 16 on N. W. faces, with 3 notches on S. ^{and} 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 3rd rate.
- Vegetation of Bunchgrass.

Township 19 N. Range 30 E.
 G. M. S. R. Meridian.

Chains East, on a random line between Sections 15 and 22.
 Variation $14^{\circ} 15'$ East.

Descend through timber.

25.00 Cross the Log, near M. M. S. and ascend.

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

70.00 M. Duggan's house, near North, 3.70 chs. dist.

M. Duggan's corner, near $N. 21^{\circ} 11' E.$, 3.00 chs. dist.

80.32 Intersect M. M. S. line, 23 lks. South of Cor.
 to Secs. 14, 15, 22 and 23,

thence I run

$S. 89^{\circ} 50' W.$ on a true line, bet. Secs. 15 and 22,

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

40.16 Set a post, 3 ft. long, 3 ins. square, 24 ins. in
 the ground, for $\frac{1}{4}$ Sec. Cor., marked 445.
 on M. Jace's farm which near:

A Cedar, 24 ins. dia., $S. 57^{\circ} 14' E.$, 87 lks. dist.,
 marked 44 S. S. C.

A Pine, 10 ins. dia., $N. 31^{\circ} W.$, 117 lks. dist.,
 marked 44 S. S. C.

80.32 The Cor. to Secs. 15, 16, 21 and 22.

Land rolling.

Soil 3rd rate.

Timber of Pine and Cedar.

Vegetation of Bunchgrass.

Township 19 N, Range 30 E, G. M. S. R. Meridian.

Chains North, between Sections 15 and 16. Variation 14° 15' East.

Locena through timber.

40.00 Set a post, 3 ft. long, 3 ins. square, 24 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 S. on W. face; from which pass: A Cedar, 26 ins. dia., N. 82° E., 15 lks. dist., marked 1/4 S. E. E. A Cedar, 20 ins. dia., N. 57 1/2° W., 16 lks. dist., marked 1/4 S. E. E.

80.00 Set a post, 4 ft. long, 4 ins. square, with marked stake, 12 ins. in the ground, for cor. to Secs. 9, 10, 15 and 16, marked S. 19 N., S. 10 on W. E. R. 30 E., S. 15 on S. E. S. 16 on S. W. and S. 9 on W. W. faces, with 4 notches on S. and 3 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 around post. Saw railing. Soil 3rd rate. Timber of Somb Cedar. Vegetation of Bunchgrass.

Township 19 N., Range 30 W.,
 G. M. S. R. Meridian.

Chains East, on a random line between Sections 10 and 15.

Variation $14^{\circ} 15'$ East.

Locum.

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

47.00 Top of Ridge, near N. $\frac{1}{4}$ S. $\frac{1}{4}$ descends.

79.86 Intersect N. $\frac{1}{4}$ S. line, 9 Lks. North of
 Cor. to Secs. 10, 11, 14 and 15,

Hence run

N. $89^{\circ} 56'$ W. on a true line, bet. Secs. 10 and 15.

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

39.93 Set a post, 3 ft. long, 3 ins. diam, with
 marked stone, 12 ins. in the ground, for
 $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ S. on N. face,
 dug pits $15 \times 18 \times 12$ ins., E. $\frac{1}{4}$ W. of
 post, $5\frac{1}{2}$ ft. deep, and raised a mound
 of earth, $1\frac{1}{2}$ ft. high, $3\frac{1}{2}$ ft. base
 around post.

79.86 The Cor. to Secs. 9, 10, 15 and 16,

land rolling.

Soil 3rd rate.

Vegetation of Bunchgrass

Township

19 N.

Range 30 E.

S. 1/4 S. R.

Meridian.

Chains

North, between Sections 9 and 10.

Variation $14^{\circ} 10'$ East.*Ascend through timber.*

40.00 Set a post, 3 ft. long, 3 ins. square, 24 ins. in the ground, for $1/4$ Sec. Cor., marked $1/4$ S. on W. face; from which bears:

A Cedar, 20 ins. dia., $S. 72^{\circ} 14' E.$, 10 lks. dist., marked $1/4$ S. B. T.

A Cedar, 18 ins. dia., $N. 64^{\circ} W.$, 16 lks. dist., marked $1/4$ S. B. T.

57.00 Top of Ridge, bear $E. 1/4 W.$ and descend.

80.00 Set a post, 4 ft. long, 4 ins. square, 24 ins. in the ground, for Cor. to Secs. 3, 4, 9 and 10, marked $S. 14 N.$, $S. 3$ on $N. E.$; $R. 30 E.$, $S. 10$ on $S. E.$; $S. 9$ on $S. W.$ and $S. 4$ on $N. W.$ faces, with 5 notches on $S.$ and 3 notches on $E.$ edges; from which bears:

A Cedar, 16 ins. dia., $N. 77^{\circ} 10' E.$, 71 lks. dist., marked $S. 19 N.$, $R. 30 E.$, $S. 3$ B. T.

A Cedar, 20 ins. dia., $S. 10 1/2^{\circ} E.$, 32 lks. dist., marked $S. 19 N.$, $R. 30 E.$, $S. 10$ B. T.

A Cedar, 24 ins. dia., $S. 36^{\circ} W.$, 101 lks. dist., marked $S. 19 N.$, $R. 30 E.$, $S. 9$ B. T.

A Cedar, 20 ins. dia., $N. 41^{\circ} 40' W.$, 16 lks. dist., marked $S. 19 N.$, $R. 31 E.$, $S. 4$ B. T.

Land selling. Nail 3rd rate.

Timber of Pine and Cedar.

Township

19 N.,

Range

26 E.,

S. 4th S. R.

Meridian.

Chains

East, on a random line between Sections 3 and 10.

Variation $14^{\circ} 15'$

East.

Passing through timber.

40.00 Set temporary 1/4 Sec. Cor.

79.93 Intersect M. 4th S. line, 13 lks. South of
Cor. to Secs. 2, 3, 10 and 11,

thence run

S. $89^{\circ} 54'$ W. on a true line, bet. Secs. 3 and 10,

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

39.96 Set a post, 3 ft. long, 3 ins. square, 20 ins. in
the ground, for 1/4 Sec. Cor., marked 1/4 C.
on M. line; from which mark:

A Cedar, 14 ins. dia., S. $10^{\circ} 14'$ W., 9 lks. dist.,
marked 1/4 S. B. F.

A Cedar, 20 ins. dia., N. $7^{\circ} 10'$ W., 13 lks. dist.,
marked 1/4 S. B. F.

79.93 The Cor. to Secs. 3, 4, 9 and 10.

Land rolling.

Soil 3rd rate.

Vegetation of Prairie grass.

Timber of Pine and Cedar.

Township 19 N., Range 30 E.,

G. and S. R. Meridian.

Chains

North, on a random line between Sections 3 and 4.

Variation $14^{\circ} 15'$ East.*Descend.*40.00 Set temporary $\frac{1}{4}$ Sec. Cor.

80.36 Intersect North boundary of Twp, 27 lks. East
of Cor. to Secs. 3, 4, 33 and 34,
recently set by me, thence I run,
S. 12° E. on a true line, bet. Secs. 3 and 4,
27. $14^{\circ} 15'$ East.

40.36 Set a post, 3 ft. long, 3 ins. square, with
marked stone, 12 ins. in the ground, for
 $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ S. or N. face, dug
pits $18 \times 18 \times 12$ ins. N. and S. 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.

80.36 The Cor. to Secs. 3, 4, 9 and 10,
Land rolling,
Soil 3rd rate.

Vegetation of Bunchgrass.
I carefully examined the adjustments
of my Solar Compass today and found
it correct.

W. R. Fitzgerald, Dec. 4th 1882

Township

19 N,

Range

30 E,

G. W. S. R. Meridian.

Chains

From the Cor. to Secs. 4, 5, 32nd & 33, on S. E. ^{1/4} 33, which is a post, 4 ft. long, 4 ins. square, with marked stone, 12 ins. in the ground, marked S. 19 N, U. 33 on N. E.; R. 30 E, U. 4 on S. E.; S. 18 N, S. 5 on S. W. ^{1/4} S. 32 on N. W. faces with 4 notches on E. ^{1/4} & 3 notches on W. edges, pits 18 x 18 x 12 ins. in each Sec., 5th ft. dist, ^{1/4} a mound of earth, 2 ft. high, 4th ft. base around post, from North, between Secs. 32nd & 33.

Cr. 14° 07' East.

Ascend through timber.

40.00 Set a post, 3 ft. long, 3 ins. square, with marked stone, 12 ins. in the ground, for N. Sec. Cor. marked 14 S. on W. face, dug pits 18 x 18 x 12 ins. N. ^{1/4} S. of post ^{1/4} 5th ft. dist, raised a mound of earth, 1st ft. high, 3rd ft. base around post.

80.00 Set a post, 4 ft. long, 4 ins. square, with marked stone, 12 ins. in the ground, for Cor. to Secs. 28, 29, 32nd & 33, marked S. 19 N, U. 28 on N. E.; R. 30 E, U. 33 on S. E.; S. 32 on S. W. ^{1/4} S. 29 on N. W. faces, with 1 notch on S. ^{1/4} & 4 notches on E. edges; found which trees:

- A Cedar, 18 ins. dia, N. 12° E, 24 lbs. dia;
- Marked S. 19 N, R. 30 E, U. 28 S. E.
- A Cedar, 16 ins. dia, U. 60° W, 10 lbs. dia,
- Marked S. 19 N, R. 30 E, U. 32 S. E.
- A Cedar, 12 ins. dia, N. 58° 28' W, 19 lbs. dia,
- Marked S. 19 N, R. 30 E, U. 29 S. E. "No other tree

within limits; dug a pit 18 x 18 x 12 ins. in Sec. 33, 5th ft. dist, ^{1/4} raised a mound of earth, 2 ft. high, 4th ft. base around post.
 Situa rolling. Soil 8th mile.
 Timber & Cedar. Vegetation of Bluegrass.

Township 19 N. Range 30 E.
G. M. S. R. Meridian.

Chains	East, on a random line between Sections 28 and 33. Variation $14^{\circ} 15'$ East.
	Descend through timber.
40.00	Set temporary $\frac{1}{4}$ Sec. Cor.
56.80	Cross Gulch, 6 lks. wide, course $N. 10^{\circ} E.$ and ascend.
X 79.98	Intersect <i>M. & V.</i> line, 23 lks. South of Cor. to Secs. 27, 28, 29 ^{and} 34, thence I run $S. 89^{\circ} 50' W.$ on a true line, bet. Secs. 28 ^{and} 33. Var. $14^{\circ} 15'$ East.
39.99	Set a post, 3 ft. lay 3 in square, 24 in. in the ground, ^{for 1-2} marked $\frac{1}{4}$ C. on <i>M. face</i> ; from which bears: A Cedar, 20 ins. dia., $S. 41^{\circ} E.$, 74 lks. dist, marked $\frac{1}{4}$ C. S. F. A Cedar, 20 ins. dia., $N. 10^{\circ} W.$, 11 lks. dist, marked $\frac{1}{4}$ C. S. F.
79.98	The Cor. to Secs. 28, 29, 32 ^{and} 33. Land rolling. Soil <i>S. & W.</i> rate. Timber of Cedar. Vegetation of Bunchgrass.

Township 19 N., Range 30 E.,
S. 2d S. R. Meridian.

Chains North, between Sections 28 and 29.

Variation $14^{\circ} 15'$ East.

Descend.

- 28.00 Cross Gulch, 8 lks. wide, course S. 50° W. ^{2d} ascend.
- 40.00 Set a post, 3 ft. long, 3 in. square, with marked stone, 12 in. in the ground, for ^{1/2} Sec. Cor. marked $1/4$ in. on W. face, dug pits $18 \times 18 \times 12$ in. N. ^{3/4} S. of post, 5 $1/2$ ft. dist., and raised a mound of earth, 1 $1/2$ ft. high, 3 $1/2$ ft. base around post.
- 80.00 Set a post, 4 ft. long, 4 in. square, with marked stone, 12 in. in the ground, for Cor. to Secs. 20, 21, 28 ^{2d} 29, marked T. 19 N., S. 21 on N. E.; R. 30 E., V. 28 on S. E.; V. 29 on S. W., ^{2d} S. 20 on N. W. faces, with 2 notches on S. ^{3/4} 4 notches on E. edges, from which pass a Cedar, 12 in. dia, S. E., 14 lks. dist., marked T. 19 N., R. 30 E., V. 28 & 29. No other trees within limits; dug pits $18 \times 18 \times 12$ in., in Secs. 20, 21 ^{2d} 29, 5 $1/2$ ft. dist., and raised a mound of earth, 2 ft. high, 4 $1/2$ ft. base around post. Hand rolling. Soil 3rd rate. Vegetation of Bunchgrass. Timber of Cedar.

Township 19 N. Range 30 E.
 6th 4th S. R. Meridian.

Chains	East, on a random line between Sections 21 and 28.
	Variation $14^{\circ} 15'$ East.
	Descend through timber.
13.80	Cross Gulch, 10 lks. wide, course S. W. and ascend.
40.00	Set temporary 1/4 Sec. Cor.
79.68	Intersect N. 4th S. line, 10 lks. North of Cor. to Secs. 21, 22, 27 and 28.
	thence down
	N. $75^{\circ} 56'$ W. on a true line, bet. Secs. 21 and 28.
	Var. $14^{\circ} 15'$ East.
39.84	Set a post, 3 ft. long, 3 ins. square, 24 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 C. on N. face; from which bear:
	From which bear:
	A Cedar, 10 ins. dia., N. $21^{\circ} E$, 52 lks. dist, marked 1/4 S. B. T.
	A Cedar, 18 ins. dia., S. $26^{\circ} W$, 18 lks. dist, marked 1/4 S. B. T.
79.68	To the Cor. to Secs. 20, 21, 28 and 29.
	Land rolling.
	Soil 3 rd rate.
	Timber of Cedar.
	Vegetation of Bunchgrass.

Township 19 N, Range 30 E,
 S. 4th V. R. Meridian.

Chains

North, between Sections 20 and 21.

Variation $14^{\circ} 15'$ East.

Ascend through timber.

- 20.00 Cross Jani & Marajoc road, bears E. 2^{nd} W.
- 40.00 Set a post, 8 ft. long, 3 ins. square, 2 ft. in the ground, for "4 Sec. Cor., marked $1/4$ V. on W. face; from which pass:
- A Cedar, 20 ins. dia., N. 89° E., 61 lks. dist., marked $1/4$ S. S. E.
- A Cedar, 20 ins. dia., N. $79^{\circ} 10'$ W., 42 lks. dist., marked $1/4$ S. S. E.
- 46.00 Top of Ridge, bears E. 2^{nd} W. and descend.
- 70.50 Lewis Gulch, 15 lks. wide, course W. and ascend.
- 80.00 Set a post, 4 ft. long, 4 ins. square, with marked stakes, 12 ins. in the ground, for cor. to Secs. 16, 17, 20 2^{nd} 21, marked S. 19° W., S. 16 on N. E.; R. 30 E., S. 21 on E.; S. 20 on S. W. 2^{nd} S. 17 on N. W. faces, with 3 notches on S. 2^{nd} 4 notches on E. edges; dug pits $18 \times 18 \times 12$ ins., in each Sec., 5 ft. dist., and raised a mound of earth, 2 ft. high, $4 \frac{1}{2}$ ft. base around post. Land rolling.
- Soil 3 2^{nd} rate.
- Vegetation of Bunchgrasses.
- Timber of Cedar.

Township 19 N. Range 30 E.
G. & S. R. Meridian.

Chains

East, on a random line between Sections 16 and 21.

Variation $14^{\circ} 15'$ East.

- Decrease through timber.*
- 22.00 Cross gulch, 7 lks. wide, course $S. 80^{\circ} W.$
and ascend.
- 40.00 Set temporary $1/4$ Sec. Cor.
- 79.72 Intersect N. $1/4$ S. line, 15 lks. North of
Cor. to Secs. 15, 16, 21 $1/4$ and 22,
thence I run
 $76^{\circ} 54' W.$ on a true line, bet. Secs. 16 $1/4$ and 21.
Var. $14^{\circ} 15'$ East.
- 39.86 Set a post, 3 ft. long, iron square, 24 ins.
in the ground, for $1/4$ Sec. Cor., unmarked
 $1/4$ on N. face; from which bears:
A Cedar, 20 ins. dia, $S. 44^{\circ} E.$, 12 lks. dist,
marked $1/4$ S. B. T.
A Cedar, 20 ins. dia, $N. 37^{\circ} W.$, 10 lks. dist,
marked $1/4$ S. B. T.
- 79.72 The Cor. to Secs. 16, 17, 20 $1/4$ and 21.
Land rolling.
Soil 3rd rate.
Vegetation of Brunchgrass.
Timber of Cedar.

Township 19 N., Range 30 E.,

G. M. S. R. Meridian.

Chains

North, between Sections 16 and 17.

Variation $14^{\circ} 15'$ East.

Ascend through timber.

40.00 Set a post, 5 ft. long, 3 in. square, 24 in. in the ground, for Sec. Cor., marked $\frac{1}{4}$ S. on W. face; from which bears:

A Cedar, 18 in. dia., N. $10^{\circ} 10' E.$, 33 lks. dist, marked $\frac{1}{4}$ S. B. T.

A Cedar, 16 in. dia., S. $87^{\circ} 10' W.$, 18 lks. dist, marked $\frac{1}{4}$ S. B. T.

80.00 Set a post, 4 ft. long, 4 in. square, 24 in. in the ground, for Cor. to Secs. 8, 9, 16th & 17, marked T. 19 N., S. 9 on N. E.; R. 30 E., S. 16 on S. E.; S. 17 on S. W. & S. 8 on N. W. faces, with 4 notches on S. & E. edges; from which bears:

A Cedar, 24 in. dia., N. $31^{\circ} 14' E.$, 19 lks. dist, marked T. 19 N., R. 30 E., S. 9 B. T.

A Cedar, 20 in. dia., S. $70^{\circ} E.$, 11 lks. dist, marked T. 19 N., R. 30 E., S. 16 B. T.

A Cedar, 36 in. dia., S. W., 25 lks. dist, marked T. 19 N., R. 30 E., S. 17 B. T.

A Cedar, 24 in. dia., N. $44^{\circ} W.$, 37 lks. dist, marked T. 19 N., R. 30 E., S. 8 B. T.

Land rolling.

Soil 3rd rate.

Timber of Cedar.

Vegetation of Bunchgrass.

41 Township 19 N., Range 30 E.,
 S. and P. B. Meridian.

Chains

East, on a random line between Sections 9 and 16.

Variation $14^{\circ} 15'$ East.

Ascend through timber.

13.00 Top of Ridge, $N. 20^{\circ} E.$ and $S. 20^{\circ} W.$
 and descend.

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

80.13 Intersect $N.$ and $S.$ line, 14 lks. North of
 Cor. to Secs. 9, 10, 15 and 16;

thence I run

$N. 89^{\circ} 54' W.$ on a true line, bet. Secs. 9 and 16.

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

40.06 Set a post, 8 ft. long, 8 ins. square, 24 ins.
 in the ground, for $1/4$ Sec. Cor., marked
 $1/4$ S. or N. face; from which bears:
 A Cedar, 20 ins. dia, $S. 42^{\circ} E.$, 29 lks. dist,
 marked $1/4$ S. S. E.

A Cedar, 26 ins. dia, $N. 67^{\circ} 10' W.$, 33 lks. dist,
 marked $1/4$ S. S. E.

80.13 The Cor. to Secs. 8, 9, 16 and 17.

Land rolling.

Soil 3rd rate.

Vegetation of Bunchgrass.

Timber of Cedar.

Township 19 N. Range 30 E.
S. 2d S. R. Meridian.

Chains North, between Sections 8 and 9, Variation $14^{\circ} 15'$ East.

Accumal through timber.

40.00 Set a post, 3 ft. long, 3 ins. square, 24 ins. in the ground, for $\frac{1}{4}$ Sec. Cor, marked 44 S. on W. face; from which bears:
A Cedar, 18 ins. dia., East, 39 lks. dist., marked $\frac{1}{4}$ S. B. S.

A Cedar, 18 ins. dia., $N. 87^{\circ} W.$, 26 lks. dist., marked $\frac{1}{4}$ S. B. E.

80.00 Set a post, 4 ft. long, 4 ins. square, with marked stand, 12 ins. in the ground, for Cor. to Secs. 4, 5, & 7, marked S. 19 N., S. 4 on N. E.

R. 30 E., S. 9 on S. E.

S. 8 on S. W. and

S. 5 on N. W. faces, with 5 notches on V. ^{2nd} and 4 notches on E. edges; dug pits 18 x 18 x 12 ins. in each Sec., 54 ft. dist., and raised a mound of earth, 2 ft. high, 4th ft. base around post. Sand rolling.

Soil 3rd rate.

Timber of Cedar.

Vegetation of Bunchgrass.

Township 19 N, Range 30 E,

G. M. S. R. Meridian.

Chains

East, on a random line between Sections 4 and 9.

Variation $14^{\circ} 15'$ East.

Ascend through timber.

23.00 Top of Ridge, near M. ^{2nd} S. ^{2nd} descends.40.00 Set temporary $\frac{1}{4}$ Sec. Cor.62.80 Cross low Eng, near M. ^{2nd} S. ^{2nd} ascends.81.32 Intersect M. ^{2nd} S. line, 24 lks. North of
Cor. to Secs. 3, 4, 9 and 10,

Hence I run

 $M. 89^{\circ} 50' W.$ on a true line, bet. Secs. 4 and 9,Var. $14^{\circ} 15'$ East.40.16 Set a post, 3 ft. long, 3 ins. square, 24 ins.
in the ground, for $\frac{1}{4}$ Sec. Cor, marked
 $\frac{1}{4}$ S. on W. face; from which bears:
A Cedar, 26 ins. dia., $S. 65^{\circ} E.$, 207 lks. dist,
marked $\frac{1}{4}$ S. V. S.A Cedar, 15 ins. dia., $N. 27^{\circ} 40' W.$, 33 lks. dist,
marked $\frac{1}{4}$ S. V. S.

80.32 The Cor. to Secs. 4, 5, 9 and 9.

Land rolling.

Soil 3rd rate.

Vegetation of Bunchgrass.

Timber of Cedar.

Township 19 N, Range 31 E,
 G. M. S. R. Meridian.

Chains

North, on a random line between Sections 4 and 5.

Variation $14^{\circ} 15'$ East.

Descend through timber.

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

50.02 Intersect North boundary of Sp. 18 lks.
 West of Cor. to Secs. 4, 5, 8 and 9,
 recently established by me, thence I run
 S. 8' W. on a true line, bet. Secs. 4 and 5,
 Va. $14^{\circ} 15'$ East.

40.02 Set a post, 3 ft. long, 3 ins. square, 24 ins.
 in the ground, for $\frac{1}{4}$ Sec. Cor., marked
 with an 'M. Jaci', from which bears:
 A Cedar, 16 ins. dia., N. 29° E., 7 lks. dist,
 marked $\frac{1}{4}$ S. B. V.
 A Cedar, 18 ins. dia., South, 14 lks. dist,
 marked $\frac{1}{4}$ S. B. V.

50.02 True Cor. to Secs. 4, 5, 8 and 9.

Sand rolling.

Soil 3rd rate.

Vegetation of Bunchgrass.

Timber of Cedar.

I carefully examined the adjustments
 of my Solar Compass today and
 found it correct.

S. C. Capp, Compassman

Dec. 4th 1882.

Township

19 N.

Range

30 E.

T. 19 N., R. 30 E., S. 5 on S. E.;
S. 18 N., S. 6 on S. W. & S. 31 on N. W. faces, with
5 notches on E. & 1 notch on W. edges, pits
18x18x12 ins. in each Sec, 5 1/2 ft. dist, & a mound
of earth, 2 ft. high, 4 1/2 ft. base around post. Crown
North between Secs. 31 & 32.
Va. 14° 07' East.
Access through timber.

Meridian.

Chains

From the Cor. to Secs. 5, 6, 31st & 32, on S. R. of S. 5, which is a post, 4 ft. long, 4 ins. square, with marked stone, 12 ins. in the ground, marked S. 19 N., S. 32 on N. E.; R. 30 E., S. 5 on S. E.; S. 18 N., S. 6 on S. W. & S. 31 on N. W. faces, with 5 notches on E. & 1 notch on W. edges, pits 18x18x12 ins. in each Sec, 5 1/2 ft. dist, & a mound of earth, 2 ft. high, 4 1/2 ft. base around post. Crown North between Secs. 31 & 32.

Va. 14° 07' East.

Access through timber.

40.00

Set a post, 3 ft. long, 3 ins. square, with marked stone, 12 ins. in the ground, for 1/2 Sec. Cor, marked N. E. on W. face; from which bears:

to Cedar, 18 ins. dia., N. 88° 10' E., 2 1/2 kts. dist, marked N. S. R. V. No other tree within limits; dug a pit 18x18x12 ins. S. of post, 5 1/2 ft. dist., and raised a mound of earth, 1 1/2 ft. high, 3 1/2 ft. base around post.

x 72.00

Top of Ridge, from N. W. to S. E. and descend.

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, 31st & 32, marked S. 19 N., S. 29 on N. E.; R. 30 E., S. 32 on S. E.; S. 31 on S. W. & S. 30 on N. W. faces, with 1 notch on S. & 5 notches 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.
Sand colling. Soil 3rd rate.
Cedar & Cedar. Vegetation of Bushy grass.

Township 19 N., Range 30 E., S. 4th S. R. Meridian.

Chains

East, on a random line between Sections 29 and 32.

Variation 140° 15' East.

Descend through timber.

38.40 Cross Gully, 10 lks. wide, course N. and ascend.

40.00 Set temporary 1/4 Sec. Cor.

78.60 Top of Ridge, Cross Mt. and S. and descend.

80.36 Intersect N. and S. line, 25 lks. South of Cor. to Secs. 28, 29, 32 and 33
Hence run

S. 19° 49' W. on a true line, bet. Secs. 29 & 32.
Var. 140° 15' East.

40.18 Set a post, 3 ft. long, 3 ins. square, with marked stone, 12 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 S. on N. face, dug pits 18 x 18 x 12 ins., E. and 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.

80.36 The Cor. to Secs. 29, 30, 31 and 32.
Land selling.

Soil 3rd rate.

Timber of cedar.

Vegetation of Bunchgrass.

W. B. Fitzgerald, Dec. 5th 1852.

Township

19 N,

Range

30 E,

G. & S. R.

Meridian.

Chains

West, on a random line between Sections 30 and 31.

Variation $14^{\circ} 15'$

East.

Ascend through timber.

9.00 Top of Ridge, bears N. W. 2^{d} S. E. 2^{d} and descend.20.00 Set temporary $\frac{1}{4}$ Sec. Cor.

98.70 Intersect West boundary of Twp, 12 lks.

North of Cor. to Secs. 25, 30, 31 and 36,

recently set by me, thence I run

N. $89^{\circ} 55' E.$ on a true line, bet Secs. 30 and 31.Tr. $14^{\circ} 15' East.$

38.70 Set a post, 3 ft. long, 3 in. square, 24 in.

in the ground, for $\frac{1}{4}$ Sec. Cor, marked $\frac{1}{4}$ S. or N. face; from which bears:A Pine, 12 in. dia., S. $65^{\circ} 10' E.$, 13 lks. dist.,marked $\frac{1}{4}$ S. P. T.A Cedar, 18 in. dia., N. $20^{\circ} W.$, 7 1/2 lks. dist.,marked $\frac{1}{4}$ S. P. T.

98.70 The Cor. to Secs. 29, 30, 31 and 32.

Land rolling.

Soil 3rd rate.

Vegetation of Bunchgrass.

Timber of Cedar.

S. C. Capp, Comptroller,

Dec. 5th 1882.

Township

19 N.

Range

38 E.

S. 1/2 S. R.

Meridian.

Chains

North, between Sections 29 and 30.

Variation 14° 15' East.

Descend through timber.

40.00

Set a post, 3 ft. long, 3 in. square, 24 in. in the ground, for 1/4 Sec. Cor., marked 1/4 S. on W. face; from which bears:

A Cedar, 14 in. dia., N. 87° E., 11 lks. dist., marked 1/4 S. P. S.

A Cedar, 20 in. dia., N. 55° W., 11 lks. dist., marked 1/4 S. P. S.

57.70

Cross Guleh, 10 lks. wide, course S. W. 2nd strand.

80.00

Set a post, 4 ft. long, 4 in. square, 24 in. in the ground, for Cor. to Secs. 19, 20, 29 & 30, marked S. 19 N., S. 20 on N. E.; R. 30 E., S. 29 on S. E.;

S. 30 on S. W. 2nd strand | S. 19 on N. W. face, with 2 notches on S. 2nd & notches on E. edges; from which bears:

A Cedar, 20 in. dia., N. 14° E., 31 lks. dist., marked S. 19 N., R. 30 E., S. 20 S. S.

A Cedar, 16 in. dia., S. 42° E., 20 lks. dist., marked S. 19 N., R. 30 E., S. 29 S. S.

A Cedar, 40 in. dia., S. 17° W., 51 lks. dist., marked S. 19 N., R. 30 E., S. 30 S. S.

A Cedar, 24 in. dia., N. 75° W., 10 lks. dist., marked S. 19 N., R. 30 E., S. 19 S. S.

Land rolling.

Soil 3rd rate.

Timber of Cedar.

Vegetation of Bunchgrass.

Township

19 N,

Range

30 E,

G. M. S. R. Meridian.

Chains

East, on a random line between Sections 20 and 29.

Variation $14^{\circ} 15'$ East.

Descend through timber.

21.11 Cross Gulch, 10 lks. wide, course S. W.
and ascend.40.00 Set temporary $\frac{1}{4}$ Sec. Corn80.09 Intersect M. $\frac{1}{4}$ S. line, 4 lks. South of
Cor. to Secs. 20, 21, 28 $\frac{1}{4}$ and 29,
thence runS $9^{\circ} 42' N$. on a true line, bet. Secs. 20 $\frac{1}{4}$ and 29,
by $14^{\circ} 15'$ East.40.04 Set a post, 8 ft. long, 3 ins. square, with
marked stake, 12 ins. in the ground, for
 $\frac{1}{4}$ Sec. Corn, marked $\frac{1}{4}$ S. on N. face,
dig pits 18 x 18 x 12 ins., E. $\frac{1}{4}$ W. of post,
 $5\frac{1}{2}$ ft. dist, and raise a mound of
earth, 1 $\frac{1}{2}$ ft. high, 3 $\frac{1}{2}$ ft. base around post.80.09 The Cor. to Secs. 19, 20, 29 $\frac{1}{4}$ and 30.

Land rolling.

Soil 3 rd rate.

Vegetation of bunchgrass.

Timber of cedar.

W. R. Fitzgerald, Dec. 5 th 1882.

Township 19 N. Range 30 E.
 S. R. Meridian.

Chains ⁺

West, on a random line between Sections 19 and 30.

Variation $14^{\circ} 15'$ East.

Ascent through timber.

- 37.00 Top of Ridge, bears $N. 20^{\circ} S.$ and descends.
- 40.00 Met temporary $\frac{1}{4}$ Sec. Cor.
- 78.65 Intersect West boundary of Twp., 18 lks.
 Corners of Cor. to Secs. 19, 24, 25 and 30,
 recently set by me, thence I run
 \times $N. 89^{\circ} 52' E.$ on a true line, bet. Secs. 19 and 30.
 $\text{Gra. } 14^{\circ} 15' \text{ East.}$
- 38.65 Met a post, 3 ft. long, 3 ins. square, 24 ins.
 in the ground, for $\frac{1}{4}$ Sec. Cor., marked
 $\frac{1}{4}$ S. on N. face; from which bears:
 A cedar, 30 ins. dia., $N. 25^{\circ} E.$, 37 lks. dist.,
 marked $\frac{1}{4}$ S. B. V.
 A cedar, 22 ins. dia., $S. 44^{\circ} 30' W.$, 57 lks. dist.,
 marked $\frac{1}{4}$ S. B. V.
- 78.65 The Cor. to Secs. 19, 25, 29 and 30.
 Land rolling.
 Soil 3rd rate.
 Vegetation of Bunchgrass.
 Timber of cedar.
 S. C. Capp, Compassman.
 Dec. 5th 1882.

Township 19 N, Range 30 E,

G. M. S. R. Meridian.

Chains

North, between Sections 19 and 20.

Variation 14° 15' East.

Acena.

- 17.00 Cross Guni ^{2a} Navajo road, bears E. ^{2a} W.
- 40.00 Set a post, 3 ft. long, 3 ins. square, 24 ins. in the ground, for ¹⁴ Sec. Cor., marked ¹⁴ S. on W. face; from which bears:
 A Cedar, 18 ins. dia., S. W., 24 lks. dist., marked ¹⁴ S. B. T.
 A Cedar, 20 ins. dia., N. 79° 14' W., 18 lks. dist., marked ¹⁴ W. B. T.
- 80.00 Set a post, 4 ft. long, 4 ins. square, 24 ins. in the ground, for Cor. to Secs. 17, 18, 19 ^{2a} 20, marked S. 19 N., S. 19 on N. E.; R. 30 E., S. 20 on S. E.; S. 19 on S. W. ^{2a} S. B. on N. W. faces, with 3 notches on S. and 5 notches on E. edges; from which bears:
 A Cedar, 30 ins. dia., N. 18° 14' E., 16 lks. dist., marked S. 19 N., R. 30 E., S. 19 B. T.
 A Cedar, 30 ins. dia., S. 51° E., 9 lks. dist., marked S. 19 N., R. 30 E., S. 20 B. T.
 A Cedar, 18 ins. dia., S. W., 56 lks. dist., marked S. 19 N., R. 30 E., S. 19 B. T.
 A Cedar, 24 ins. dia., N. 87° 1/2' W., 11 lks. dist., marked S. 19 N., R. 30 E., S. 18 B. T.
- Land rolling. Soil 3rd rate.
 Vegetation of Bunchgrass, Timber of Cedar.

Township 19 N. Range 30 E.
 S. W. S. R. Meridian.

Chains

East, on a random line between Sections 17 and 20.

Variation $14^{\circ} 15'$ East.

Ascend through timber.

6.85 Top of Ridge, bears N. 40° S. and descend.

38.90 Cross Gully, 10 lks. wide, course S. and ascend.

40.00 Set temporary $\frac{1}{4}$ Sec. Cor.56.40 Top of Ridge, bears N. 65° E. and S. 65° W.
and descend.79.70 Intersect N. 40° S. line, 2 lks. North of
Cor. to Secs. 16, 17, 20 and 21,

thence I run

N. $69^{\circ} 48'$ W. on a true line, bet. Secs. 17 & 20Var. $14^{\circ} 15'$ East.

39.88 Set a post, 3 ft. long, 3 ins. square, 20 ins.

in the ground, for $\frac{1}{4}$ Sec. Cor., marked a $\frac{1}{4}$ S. on N. face, from which bears:A Cedar, 36 ins. dia., S. 82° W., 12 lks. dist,
marked $\frac{1}{4}$ S. R. T.A Cedar, 24 ins. dia., N. 20° W., 20 lks. dist,
marked $\frac{1}{4}$ S. R. T.

79.70 The Cor. to Secs. 17, 18, 19 and 20

hand rolling.

Soil 3rd rate.

Vegetation of Bunchgrass.

Timber of Cedar.

W. R. Fitzgerald, Dec. 5th 1882.

Chains

West, on a random line between Sections 18 and 19.

Variation $14^{\circ} 15'$ East.

Descend through timber.

40.00. Set temporary $\frac{1}{4}$ Sec. Cor.78.43 Intersect West boundary of T_p at Cor. to
recently established by me
Secs. 13, 18, 19 ^{on 24}, thence run
East on a true line, bet. Secs. 18 ^{and} 19.
Var. $14^{\circ} 15'$ East.38.43 Set a post, 3 ft. long, 3 ins. square, 24 ins.
in the ground, for $\frac{1}{4}$ Sec. Cor., marked
 $\frac{1}{4}$ S. on N. face; from which bears:
A cedar, 12 ins. dia., N. E., 27 lks. dist.,
marked $\frac{1}{4}$ S. B. C.
A cedar, 36 ins. dia., S. 84° W., 105 lks. dist.,
marked $\frac{1}{4}$ S. B. D.78.43 The Cor. to Secs. 17, 18, 19 ^{on 20}.

Land rolling.

Soil 3rd rate.

Vegetation of Bunchgrass.

Timber of Cedar.

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

S. C. Coapp, Compassman.

Dec. 5th 1882.

Township

19 N,

Range

30 E,

S. W. 1/4 Meridian.

Chains

East, on a random line between Sections 8 and 17.

Variation $14^{\circ} 15'$ East.

Ascend through timber.

40.00 Set temporary $\frac{1}{4}$ Sec. Cor.79.96 Intersect N. $\frac{1}{4}$ S. line, 32 lks. South of
Cor. to Secs. 8, 9, 16 and 17.

thence run

N. $89^{\circ} 46' W.$ on a true line, bet. Secs. 8 and 17.Or. $14^{\circ} 15'$ East.39.98 Set a post, 3 ft. long, 3 ins. square, 24 ins.
in the ground, for $\frac{1}{4}$ Sec. Cor., marked
 $\frac{1}{4}$ W. on N. face; from which bears:
A Cedar, 8 ins. dia., S. $86^{\circ} E$, 74 lks. dist.,
marked $\frac{1}{4}$ S. S. E.A Cedar, 22 ins. dia., N. $23\frac{1}{4}^{\circ} W$, 11 lks. dist.,
marked $\frac{1}{4}$ S. S. E.

79.96 The Cor. to Secs. 7, 8, 17 and 18.

Land rolling.

Soil 3rd rate.Vegetation of *Truncogoues*.

Timber of Cedar.

W. R. Fitzgerald, Dec. 5th 1882.

Township 19 N. Range 30 E.
 S. and S. R. Meridian.

Chains

West, on a random line between Sections 7 and 18.

Variation $14^{\circ} 15'$ East.

Descends through timber.

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

78.24 Intersect West boundary of Twp, 30 lks.
 South of Cor. to Secs. 7, 12, 13 and 18,
 recently established by me, thence I run
 $S. 89^{\circ} 47' E.$ a true line, bet. Secs. 7 and 18.
 Var. $14^{\circ} 15'$ East.

38.24 Set a post, 3 ft. long, 3 ins. square, 24 ins.
 in the ground, for $\frac{1}{4}$ Sec. Cor., marked
 $\frac{1}{4}$ V. on N. face; from which bears:
 A Cedar, 24 ins. dia., $S. 66^{\circ} 14' E.$, 44 lks. dist.,
 marked $\frac{1}{4}$ S. B. C.
 A Cedar, 24 ins. dia., $N. 71^{\circ} W.$, 126 lks. dist.,
 marked $\frac{1}{4}$ S. B. C.

78.24 The Cor. to Secs. 7, 12, 17 and 18.
 Land rolling.

Soil 3 m. into.

Vegetation of bunchgrasses.

Timber of Cedar.

S. C. Capp, compassman.

Dec. 5th 1882.

Township

19 N.

Range

30 E.

G. & S. R. Meridian.

Chains

North, between Sections 7 and 8.

X

Variation 14° 15' East.

Descend.

40.00

Set a post, 3 ft. long, 3 ins. square, with marked stone, 12 ins. in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ S. on 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.

65.00

Corner low lig, from N. E. & S. W. and ascend.

50.00

Set a post, 4 ft. long, 4 ins. square, with marked stone, 12 ins. in the ground, for Corner Secs. 5, 6, 7 & 8, marked S. 19 $\frac{1}{2}$, S. 5 on N. E.

R. 30 E. S. 8 on S. E.

S. 7 on S. W. and

S. 6 on N. W. face, with 5 notches on S. and E. edges; dug pits 18 x 18 x 12 ins. in each Sec., 5 $\frac{1}{2}$ ft. dist, & raised a mound of earth, 2 ft. high, 4 $\frac{1}{2}$ ft. base around post.

Land rolling.

Soil 3rd rate.

Vegetation of bunch grass.

Timber of Cedar.

Township 19 N., Range 20 E.,
 G. & S. R. Meridian.

- Chains East, on a random line between Sections 5 and 8.
 Variation 140° 15' East.
- Descends.
- 14.35 Cross low Sag, bears N. E. 2^{nd} S. W. 4^{th} ascend.
- 40.00 Set temporary $1/4$ Sec. Cor.
- 80.21 Intersect N. 2^{nd} S. line, 17 lks. North of
 Cor. to Secs. 4, 5, 8 2^{nd} 9,
 thence I run
 N. 87° 58' W. on a true line, bet Secs. 5 2^{nd} 8.
 Crs. 140° 15' East.
- 40.10 Set a post, 3 ft. long, 3 in. square,
 with marked stone, 12 in. in the
 ground, for $1/4$ Sec. Cor., unmarked $1/4$ C.
 on N. face, dug pits 18 x 18 x 12 in. in
 E. 2^{nd} 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.
- 80.21 The Cor. to Secs. 5, 6, 7 2^{nd} 8.
 Same receiving.
 Soil 3 rd rate.
 Vegetation of Bushygrass.
 Carefully examined my Solar
 Compass today and found it correct.
 W. R. Fitzgerald
 Dec. 5 th 1852.

Township 19 N.

Range 30 E.

G. and S. R. Meridian.

Chains

West, on a random line between Sections 6 and 7.

Variation $14^{\circ} 15'$ East.

Ascends.

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

78.36 Intersect West boundary of Twp, 9 lks.

North of Cor. to Secs. 1, 6, 7 and 12,
recently established by me, Menele Jones,
 $N. 89^{\circ} 56' E.$ on a true line, bet. Secs. 6 & 7,
Cra. $14^{\circ} 15' East.$

38.36 Set a post, 3 ft. long, 3 in. square, with
marked stone, 12 in. in the ground, for
 $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ S. on N. face
and raised a mound of stone
converging with earth, alongside.

78.36 The Cor. to Secs. 5, 6, 7 and 8.

Land rolling.

Soil 3rd rate.

Vegetation of Bunchgrass.

Township

19 N.

Range

30 E.

S. 4th S. R.

Meridian.

Chains

North, on a random line between Sections 5 and 6.

Variation $14^{\circ} 15'$ East.

Accession

- 40.00 Set temporary $\frac{1}{4}$ Sec. Cor.
- 79.81 Intersect North boundary of Twp, 20th N. West of Cor. to Secs. 5, 6, 7 and 8, recently established by me, Merced & me S. $11^{\circ} W.$ on a true line, bet. Secs. 5 and 6.
 $Var. 14^{\circ} 15'$ East.
- 39.81 Set a post, 3 ft. long, 3 in. square, with marked stone, 12 in. in the ground, for $\frac{1}{4}$ Sec. Cor., unmarked $\frac{1}{4}$ S. or W. $\frac{1}{2}$ Sec., dug pits $18 \times 18 \times 12$ in. N. and S. of post, 5 ft. dist., and raised a mound of earth, 1 ft. high, 3 ft. base around post.
- 79.81 The Cor. to Secs. 5, 6, 7 and 8.
 Sand rolling.
 Soil 300 rods.
 Vegetation of Bunchgrass.
 S. C. Gapp, Compassman.
 Dec. 5th 1884.

GENERAL DESCRIPTION.

The land in this Township is generally rolling, with numerous low ridges crossing it in various directions.

The soil is 3rd rate, producing good bunchgrass, making the Township valuable for grazing purposes.

Several small streams flow through the Tp. The general drainage is to the S. W.

The Juni^{na} Marajoe road, crosses the Tp. from West to East, through the southern central part.

W. Puggan's house and improvements are in the S. E. part of Sec. 15.

For final notes
see book 18

U. S. Surveyor General's Office,

TUCSON ARIZONA, May 17, 1883

The foregoing Field Notes of the Survey of the

Subdivision lines of
 Twp. 19 N. R. 30 East,

Of the Gila and Salt River Base and Meridian, Arizona, execu-
 ted by

W. R. Fitzgerald

Deputy Surveyor, under his contract of the 14th

day of July, 1882 having been

critically examined and the necessary corrections and explana-
 tions made, the said Field Notes and the surveys they describe
 are hereby approved.

J. W. Ross
 Surveyor General.