

No 11114
No-174

Field Notes

OF THE SURVEY OF THE

SUBDIVISION LINES

-OF-

Township *13 N* Range *30 E*

Gila and Salt River Base and Meridian

ARIZONA.

By *Milton Santee* D. S.

under contract dated *Apr. 29 1882*

Survey commenced *Aug. 30 1882*

Survey completed *Sept 5 1882*

No-174

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BOOK 174

INDEX DIAGRAM.

Township 13 N.

Range 30 E.

Gila and Salt River Meridian

6	98	5	73	4	57	3	40	2	17	1
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Gila and Salt River, Arizona.

ARIZONA.

Township 13 N Range 30 E.

Gila and Salt River Meridian

Chains Survey commenced Aug 30, 1882
with Burt's Patent-Improved
Solar Compass nearly new, and
in first rate order. Made by Otto
Finnel of Cassell Germany in 1881

From the corner to sections 1, 2
35 and 36 on the south boundary of
Township which is a Basaltic
stone set firmly in the ground
for Standard Cor to Secs 35 and 36
Marked S. C. with 1 notch on E
and 5 notches on W edges, and
a Mound of Stone
alongside.

I run
North between sections 35 and 36

Variation $13^{\circ} 55'$ East
(As per observation with Solar Compass.)
Ascend -

BOOK #74

Tp 13 N. R 30 E Con

4000 Set a Basaltic Stone $13 \times 13 \times 16$ ins; 8 ins
in the ground, for $\frac{1}{4}$ Sec Cor. Marked $\frac{1}{4}$
on W face, dug pits $15 \times 15 \times 12$ 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

56.00 Enter Timber Beas N $77\frac{1}{2}$ S E

~~50.00~~

80.00 Set a post 4 ft long 4 ins square, with
marked stone 42 ins on the ground
for Cor. to Secs 25-26 35-36 marked
T. 13 N. S 25; on N. E. R. 30 E. S. 36.
on S. E. S. 35 on S. W. and S. 26 on
N. W. face with 1 notch on S and
1 notch on E. edges, and raised a
mound of earth 2 ft high, $4\frac{1}{2}$ ft
base around post, from which
A losdar 20 ins, diam bears N 35°

BOOK 174

T_p 13. N. R. 30. E. cont

N. 43 lks dist. Marked T_p 13. N.
R 30 E S₂₆ B.T.

Land mountainous

Soil 2^d Rate

Timber of Pine & Cedar

Vegetation of Bunch grass & Sage brush.

East on a random line between
Sections 25 and 36

Variation $13^{\circ} 42'$ East

Bound

- 22.00 Top of ridge bears N. & S. and descend
32.50 Leave timber bears N. & S.
40.00 Set temporary $\frac{1}{4}$ Sec Cor
79.88 Intersect E. B. of T_p & line North
of cor. to Secs. 25-30-31-36, from which
Corner I run. N $89^{\circ} 57'$ W on a True

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BOOK 174

Tp 13. N. R 30. E. Cont

line between sections 25-36

Variation $13^{\circ} 42'$ East

39.94 Set a Basaltic Stone $16 \times 12 \times 7$ ins,
10 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

79.88 The corner to Sections 25-24-35-36

Land Mountainous

Soil 2nd rate

Vegetation Bunch grass & Sage-brush.

Tp 13 N. R 30 E . cont

North between Sections 25th and 26th
Variation 13° 50' East

Ascend

30.00 Top of ridge bears NE & SW and descend

40.00 Set a post 3 ft long 3 ins diam with marked
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
from which

A. Pine 6 ins diam bears S 74° E
18 lks dist, marked 1/4 S. B. T

A. Cedar 12 ins diam bears N. 33° W
24 lks dist, marked 1/4 S. B. T.

80.00 Set a basaltic stone 11x9x7 ins.
8 ins. in the ground for Cor to Secs
23-24-25-26. marked with 2-

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BOOK 774

Tp 13 N. R 30. E continued

notches on S. and 1 notch 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 alongside.

Land. Mountainous

Soil 2nd rate

Vegetation Bunchgrass & Sage brush.

East on random line between

Sections 24 and 25

Variation 13°-58' East

Descend

35.10 Branch of New Mexico road bears
N 25° W + S 25° E

37.62 Cross wash, 12 ft wide course N
and ascend -

Twp 13 N. R. 30, E

Continued

- 40.00 Set temporary $\frac{1}{4}$ Sec Cor
- 79.92 Intersect E. B. of Twp 11 Tks, North
Cor. to Sect 19-24-25-30, from
which corner I run $N 89^{\circ} 55'$
W. on a true line, between sections 24-25
Variation $13^{\circ} 58'$ East
- 39.96 Set a Basaltic Stone $10 \times 11 \times 9$ ins
10 ins. on the ground for $\frac{1}{4}$ Sec
Cor. Marked $\frac{1}{4}$ on N. face, dug
pits $18 \times 18 \times 12$ ins E and 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
- 79.92 The corner to sections 23-24-25-26
Land rolling
Soil 2^d rate
Vegetation of Bunchgrass, & Sagebrush

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H 13 N. R 30 E. Continued

North between sections 23 + 24

Variation $13^{\circ} 50'$ East

Descend

13.00 Cross road bears E. + W.

37.50 Cross Watch. 12' lbs wide, Course $N 30^{\circ}$
W, and ascend

40.00 Set a Basaltic Stone ^{37 9 x 5 ins, 8 ins in the ground} for $\frac{1}{4}$ Sec Cor.

Marked $\frac{1}{4}$ on N face, dug pits
18 x 18 x 12 ins. 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

40.20 Cross Road bears N, 30° W & S, 30° E.

50.00 Top of ridge bears N, E & S, W, and descend

58.20 Cross low Sag and ascend

80.00 Set a Sand Stone 13 x 9 x 8 ins
8 ins. in the ground for Cor to Secs
13-14-23-24 - marked with 3 notches
on S. and 1 notch on E edges.

Tp 13. N. R 30. E. continued

dig pits 18x18x12 ins, in each
sec $5\frac{1}{2}$ ft. dist, and raised a
mound of earth 2 ft. high, $4\frac{1}{2}$
ft base alongside.

Land Mountainous

Soil 2nd rate

Vegetation of Bunch grass & Sage brush

Timber of Pine & Cedar.

East on a random line between

Sections - 13 and 24 -

Variation $13^{\circ} 52'$ East

Ascend

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

69.00 Top of ridge bears N & S, and descend

80.09 Intersect - Eo By of Tp. 9 lks

South of Cor. to Secs, 13-18-19-24

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of 13 N. R 30 E Continued

from which corner I run
S 89° 56' W on a true line between
Secs 13 and 24

Variation 13° 52' E

40.04 Set a sand stone 16 x 12 x 7 ins
10 ins. in the ground, for 1/4 Sec cor
marked 1/4 on N face, dug pits
18 x 18 x 13 ins E & W of stone 5 1/2
ft dist, and raised a mound
of earth 1 1/2 ft high, 3 1/2 ft base
along side

80.09 The corner to sections 13-14-23-24

Land Mountainous

Soil 2nd rate

Vegetation of Bunchgrass & Sage brush
Timber Pine & cedar.

T_p 13 N. R 30 E Continued

North between sections 13-14

Variation $13^{\circ} 50'$ East

Ascend

2.00 Top of ridge bears N 70° W + S 70° E and
descend

40.00 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 W face, dug
pit 18x18x12 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, from
which a pine 6 ins diam, bears
S 83° E 31 links dist, marked
 $\frac{1}{4}$ S. B. J.

A cedar 10 ins diam bears S. W.
74 links dist, marked $\frac{1}{4}$ S. B. J.

Tp 13 N. R 30 E. Continued

80.00 Set a Sand Stone $16 \times 14 \times 4$ ins. 12 ins
 in the ground for cor to Secs.
 11-12-13-14. Marked with 4
 notches on S 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 alongside
 Land Mountainous
 Soil 2nd rate

Vegetation Bunch grass & Sage brush
 Timber of pine & Cedar

T_p 13. N. R 30 E. Continued

East on a random line between
Sections 12 and 13

Variation $13^{\circ} 45'$ East

Descend

37.00 Cross Wash 15 lbs wide, course
N. W. and ascend

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

80.16 Intersect E. B. of T_p. 2 lbs North
of cor to Secs. 7-12-13-18, from
which corner I run $89^{\circ} 59' N$
on a true line between sections
12-13.

Variation $13^{\circ} 45'$ East

40.08 Set a basaltic stone $12 \times 10 \times 10$ ins.
8 ins in the ground, for $\frac{1}{4}$ Sec
cor, marked $\frac{1}{4}$ on N face.

dug pits $18 \times 18 \times 12$ ins East W
and 1/2 ft deep, with $3/4$ ft base
of stone $5 \frac{1}{2}$ ft dist. alongside.

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Tp 13 N. R 30 E continued

80.16 The corner to Sections 11-12-13-14
Land Rolling
Soil 2nd rate
Vegetation of Bunch grass & Sage brush
Timber of Pine & Cedar -

North between Sections 11 and 12
Variation $13^{\circ} 52'$ East

Descend

13.50 Cross wash 15 fks wide, course
west and ascend

40.00 Set a basaltic Stone $12 \times 12 \times 10$ ins
& ins on the ground for $\frac{1}{4}$ Sec
Cor. marked $\frac{1}{2}$ on W face.
dug pits $18 \times 18 \times 12$ ins N + S of
Stone $5\frac{1}{2}$ ft dist. and raised

Sp 13 N. R 30 E. continued

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

52.00 Enter Timber bears Co & W

80.00 Set a sand stone $14 \times 8 \times 7$ ins.
 10 ins in the ground for Cor
 to Secs 1-2-11-12, marked with
 5 notches on S. and 1 notch on
 E. edges, dug pits $14 \times 18 \times 12$ 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 rolling

Soil 2nd rate

Vegetation of Bushcraus
 Timber, Pink eye cedar
 Aug 30. 1882

Tr 13 N. R 30 E. continued

East on a random line between
Sections 1 and 12

Variation $13^{\circ} 50'$ East

Ascend

27.00 Top of ridge bears N E + S W and
and descend

40.00 Set Temporary $\frac{1}{4}$ Sec Cor

43.13 Cross wash 7 lks wide, Course S
20 W and ascend

72.87 Intersect E B of Tr 15 lks South of
Cor to Secs 1-6-7-12, from which
corner I run S $89^{\circ} 52'$ W on a
true line between sections 1-12

Variation $13^{\circ} 50'$ East

39.93 Set a Sand Stone $16 \times 10 \times 7$ ins.

10 ins on the ground, for $\frac{1}{4}$ Sec
Cor. Marked $\frac{1}{4}$ on N face, dug
pit $18 \times 18 \times 12$ ins E + W of $5\frac{1}{2}$

Sp 13 N. R 30 E. Continued

ft dist and raised a mound
of earth $1\frac{1}{2}$ ft high $3\frac{1}{2}$ ft base
alongside

79.87 The corner to sections 1-2-11-12

Land Mountainous

Soil 2nd rate

Vegetation of Bunchgrass + Sage brush

North, on a random line between
Sections 1 and 2

Variation $13^{\circ}55'$ East

Ascend

40.00 Set Temporary $\frac{1}{4}$ Sec Cor

50.40 Top of ridge bears S 70° E + N 70° W
and descend

60.17 Intersect N B of Sp 16 the West

$\frac{1}{4}$ 13. N. R 30 E. Continued

of Cor to secs 1-2 - 35 - 36 from
which corner I run S. 5° W.
on a true line between sections
1 & 2

Variation 13° 55' East

40.17 Set a basaltic rock 14 x 12 x 11
ins, 10 ins. in the ground for
 $\frac{1}{4}$ Sec Cor. Marked $\frac{1}{4}$ on W face.
dug pits 18 x 18 x 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

80.17 The corner to Sections 1-2-11-12
Land Mountainous
Soil, 2nd rate
Vegetation of Bunch grass and Sagebrush
Timber of Pine & Cedar

Sp 13. N. R 30 E. Continued

+ From the bor. to ^{Secs 21, 21, 34 & 35} ~~Secs 34 & 35~~ on S. B₂ of Sp. which is a
Basaltic stone marked S. C. with 2 notches on E & 4 notches on W.
edges, with pits & mound of earth alongside. Thence I me

North between Sections 34th and 35th

Variation 14° East

Descend

36.50 Cross wash 10 lks wide. Course
N 60° W and ascend

40.00 Set a Sand Stone 14 x 12 x 10 ins
10 ins in the ground for $\frac{1}{4}$ Sec
Cor marked $\frac{1}{4}$ on W face.

dug pits 18 x 18 x 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 Sand Stone 12 x 10 x 5 ins, 8 ins
in the ground for corner
to Secs 24-27-34-35, marked
with 1 notch on S. and 2 notches
on E edges, dug pits 18 x 18 x 12
ins in each Sec, 5 $\frac{1}{2}$ ft dist,

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T 13. N R 30 E Continued

and raised a mound of earth
 2 ft high, $4\frac{1}{2}$ ft base alongside
 Land Rolling
 Soil 2nd rate
 Vegetation of Bunchgrass & Sage brush

East on a random line between
 sections 26 and 35

Variation 14° East

Ascend

24.00 Enter timber bears N.W. & S.E.

Top of ridge bears N.W. & S.E.
 and descend

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

54.00 Cross low Sag and ascend

80.17 Intersect N & S line at cor to

T 13 N. R 30 E. Continued

Secs. 25-26-35-36 from which
corner I run W. on a true line
between sections 24-35

Variation 14° East

40.08 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, $18 \times 18 \times 12$ ins End W
of post $5\frac{1}{2}$ ft dia, and raised
a mound of earth $1\frac{1}{2}$ ft high
 $3\frac{1}{2}$ ft base around post

80.17 The corner to sections 26-27-34-35

Land Mountainous

Soil 2nd rate

Vegetation Bunch grassnd Sagebrush

T 13 N. R 30 E. Continued

North between sections 26-27

Variation 14° East

Ascend

40.00 Set a basaltic stone $12 \times 10 \times 8$ ins, 8 ins, in the ground, for $\frac{1}{4}$ Sec Cor. Marked $\frac{1}{4}$ on N face, dug pit $18 \times 18 \times 12$ ins N and 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, from which a cedar 14 ins in diam. bears West 29 links dist. marked $\frac{1}{4}$ S. B. T.

A cedar 20 ins diam bears N 58° E 47 lks dist. marked $\frac{1}{4}$ S. B. T.

49.00 Top of ridge bears N E + S W and descend

T. 13 N. R. 30 E Continued

49.00 Leave timber, bears N. E & S. W.

80.00 Set a basaltic Stone 18x10x6 ins

12 ins. on the ground for cor.

to Secs. 22-23-26-27. Marked

with 2 notches on S. and 2

notches on E. edges. dug pits

18x18x12 ins. in each Sec.

5½ ft dist; and raised a

mound of earth 2 ft high

4½ ft base alongside.

Land Mountainous

Soil 2nd rate

Vegetation of Bunch grass^{2nd} Sagebrush

Timber Cedar.

Sp 13 N. R 30 E Continued

East on a random line between
Sections 23 and 26

Variation 14° East

Ascend

- 6.75 Enter timber bears N.E. & S.W.
11.00 Top of Ridge bears N.E. & S.W.
and descend.
40.00 Set temporary $\frac{1}{4}$ Sec Cor
63.00 Cross low Sag and ascend
72.00 Top of ridge bears N. 30° W. & S 30° E.
and descend
80.05 Intersect N & S line 8 lks north
of cor to Sec. 23-24-25-26
from which ^{marker} run N $87^{\circ} 57'$ W
on a true line between sections
23-26
Variation 14° E
40.02 Set a basaltic stone $12 \times 10 \times 8$

Sp 13 N. R30 E. Continued

ins. 8 ins in the ground
 for $\frac{1}{4}$ Sec Cor. Marked $\frac{1}{4}$ on N
 face. dug pits 18x18x12 ins
 E. and W. of Stone $5\frac{1}{2}$ ft dia
 and raised a mound of earth
 $1\frac{1}{2}$ ft high, $3\frac{1}{2}$ ft base alongside
 80.05 the corner to Secs. 22, 23, 24-27
 Land Mountainous
 Soil 2nd rate
 Vegetation of Sagebrush + Bunch grass

North between Sections 22nd and 23

Variation 14° East

Descend

2.00 across road E + W

40.00 Set a Lime Stone 10x8x8 ins.

T. 13 N. R. 30 E. Continued

6 ins. in the ground for $\frac{1}{4}$ Sec
Cor. marked $\frac{1}{4}$ on W face.

dug pits $18 \times 18 \times 12$ ins. N & S. of
stone $5\frac{1}{2}$ ft dist. and raised a
mound of earth $1\frac{1}{2}$ ft high. $3\frac{1}{2}$
ft base alongside

80.00 Set a lime stone $12 \times 10 \times 9$ ins.
8 ins on the ground for Cor. to
Secs 14-15-22, 23. Marked with
3 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 rolling
Soil 2nd rate

Vegetation of Bunch grass & Sage brush
Timber of Pine & Cedar

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T 13 N. R 30 E; Continued

East on a random line
between sections 14 & 23

Variation $13^{\circ} 50'$ East

Descend

22.00 Enter timber, bears N & S

28.40 Cross road bears $N 40^{\circ} W$ & S 40°
E.

30.70 Cross wash 7 links wide, course
 $N 48^{\circ} W$ and ascend

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

80.22 Intersect N & S line 9 lks South
of Cor. to Secs. 13, 14 - 23 - 24, from
which corner I run $S 89^{\circ} 56' W$
on a true line between sections
14 - 23.

Variation $13^{\circ} 50'$ East

T 13 N. R 30 E continued

40.11 Set a Sand Stone $13 \times 8 \times 8$ ins.
 8 ins. on 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
 $3\frac{1}{2}$ base alongside

8022 The Cor. to Sections 14-15-22-23
 Land Rolling
 Soil 2nd rate
 Vegetation of Bunchgrass & Sage brush

North between Sections 14th & 15
 Variation $13^{\circ} 50'$ East
 Descend

24.20 Cross road bears $N. 56^{\circ} W$ & $S 56^{\circ} E$.

31.00 Cross wash 10. lks wide. Course N.W.

T 13 N. R. 30 E. Continued

and ascend

- 40.00 Set a Sand Stone $13 \times 11 \times 6$ ins
8 ins in the ground, for $\frac{1}{4}$
Sec Cor. marked $\frac{1}{4}$ on W. face
dug pits $18 \times 18 \times 12$ ins N. & S. of
Stone $5\frac{1}{2}$ ft dist and raised
a mound of earth $1\frac{1}{2}$ ft high
 $3\frac{1}{2}$ ft base alongside.
- 58.00 Top of Spur bears E. & W. and descend
- 80.00 Set a Sand Stone $14 \times 10 \times 7$ ins
10 ins in the ground for Cor to
Secs 10-11-14-15 marked with
 $\frac{1}{4}$ 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 alongside
Land Mountainous

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T B N. R 30 E. Continued

Soil 1st rate

Vegetation of Bunch grass & Sagebrush

I carefully examined the adjustments of my Solar Compass to day, particularly the latitude and reversible apparatus, and found them correct.

Aug 31, 1882

East on a random line
between Sections 11 & 12

Variation $13^{\circ} 50'$ East

Descend

15.20 Cross wash 10 lbs wide, course

S $70^{\circ} 4'$ and ascend40.00 Set temporary $\frac{1}{4}$ Sec cor

T 13 N. R 30 E. Continued

79.84 Intersect N & S line 23 lks South
of cor to Secs 11-12-13-14. from
which corner I ran S. 89° 50' W.
on a true line between sections
11-14

Variation 13° 50' East

39.92 Set a Sand Stone 14 x 11 x 8 ins.
10 ins in the ground. for $\frac{1}{4}$
Sec cor. Marked $\frac{1}{4}$ on N face
dug pits 15 x 15 x 12 ins E and 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

79.84 The corner to sections 10-11-14-15
Land rolling
Soil 2nd rate
Vegetation of Bunchgrasses & Sagebrush

T. B. N. R. 30 E. Continued

North between Sections 10 and 11

Variation $13^{\circ} 50'$ East

Ascend

- 40.00 Set a lime stone $10 \times 8 \times 8$ ins, 6 ins, in the ground for $\frac{1}{2}$ Sec Cor marked $\frac{1}{4}$ on N face, dug pits $18 \times 18 \times 12$ ins N and S, of Stone $5\frac{1}{2}$ ft dist, and raised a mound of earth $1\frac{1}{2}$ ft high, $3\frac{1}{2}$ ft base along side
- 80.00 Set a post 4 ft long, 4 ins square with marked stone 12 ins in the ground - for Cor to Secs 2-3-10-11 Marked T. B. N. S. 2. on N. E. R. 30 E. S. 11. on S. E. S. 10. on S. N. and S. 3. on N. W. face 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

T13 N. R30 E Continued

mound of earth 2 ft. high
 4 1/2 ft base around post.
 Land rolling
 Soil 1st rate
 Vegetation of Bunchgrass.

East on a random line
 between Sections 2 and 11
 Variation 14° East

Ascend

- 40.00 Set Temporary $\frac{1}{4}$ Sec Cor
 89.47 Intersect N-S line 4 blks north of
 Cor to Secs, 1-2-11-12, from which
 corner I run $N 89^{\circ} 58' W$ on a true
 line between Sections 2 and 11
 Variation 14° East
 40.03 Set a Sand Stone $15 \times 10 \times 4$ ins

T13 N. R30 E Continued

10 ins, in the ground, for $\frac{1}{4}$ section, marked $\frac{1}{4}$ on N face, dug pits 18 x 18 x 12 ins E & W of Stone $5\frac{1}{2}$ ft dist, and raised a mound of earth 1 1/2 ft high $3\frac{1}{2}$ ft base alongside.

80.07

The corner to Sections 2-3-10-11

Land Rolling

Soil 1st rate

Vegetation of Bunch grass & Sage brush,

North on a random line between Sections 2 and 3,

Variation 14° East

Descend

9.00 Foot of Hill bears E & W

Enter timber, bears E & W and ascend

21.00 Top of Spur bears E & W and descend

T 13 N. R 30 E. Continued

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

60.42 Intersect N. B of Tp 23 lbs West
of Cor to Secs. 2-3, 34-35 which
is a stone set firmly on the ground
marked 2 notches on E. face
4 notches on W. wedges with pins
18x18x12 ins, in each Sec
 $5\frac{1}{2}$ ft dist, and mounds of earth
2 ft high and $4\frac{1}{2}$ ft base along-
side. from which corner I
run S. 10° W on a true line between
Sections 2-3.

Variation 14° East

40.42 Set a Sand Stone $14 \times 11 \times 5$ ins, 18 ins
in the ground for $\frac{1}{4}$ Sec Cor, marked
~~18x18x12 ins. N. B.~~
 $\frac{1}{4}$ on W face 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.

T 13 N. R 30 E Continued

80,42 The Corner to sections 2-3-10-11
 Land Mountainous
 Soil 2nd rate
 Vegetation of Bunch grass & Sagebrush,

From the corner to Secs
 3-4-33 & 34 on S boundary of
 Township which is a Sand Stone
 firmly set in the ground for
 standard corner to Secs 33rd & 34
 Marked S.C. with 3 notches
 on E & W edges with pits 15 x 18
 x 12 ins S.E. & W of Stone, ^{with} with
 mound of earth 2 ft high
 4 1/2 ft base alongside.
 I run North between sections

BOOK 174

T13 N. R30E . Continued

33 and 34.

Variation 14° East

Ascend

- 15:00 Top of Ridge bears, N.E. & S.W.
and descend
- 20:00 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 W face, dug pits $18 \times 18 \times 12$
ins. N and 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 Basaltic Stone, $14 \times 10 \times 9$ ins.
10 ins in the ground for Cor
to Secs 27-28-33-34 marked
with 1 notch on S. and 3 notches
on E. Edges, dug pits $18 \times 18 \times 12$
ins in each Sec $5\frac{1}{2}$ ft dist, and

713 N. R 30 E

Continued

raised a mound of earth
 2 ft high, $4\frac{1}{2}$ ft base alongside.
 Land Mountainous
 Soil 2^o rate
 Vegetation of Bunchgrass & Sagebrush.

East on a random line
 between Sections 27 and 34

Variation $13^{\circ} 55'$ East

Descend

40.00 Set Temporary $\frac{1}{4}$ Sec Cor

43.72 Cross wash to the side, course
 $N 10^{\circ} W$ and ascend

79.89 Intersect N & S lines 11 lks North
 of Cor to Secs 26-27-34-35;
 from which corner I run
 $N 89^{\circ} 53' W$ on a True line

BOOK 174

713 N. R 30 E. Continued

between sections 27-34

Variation 13° 55' East

39.94 Set a post 3 ft long, 3 ins diam,
 with marked stone 12 ins. in
 the ground, for $\frac{1}{4}$ Sec 400, marked
 $\frac{1}{4}$ S. on N face, dug pits 18x18x12
 ins E & W of post, $3\frac{1}{2}$ 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 sections 27-28 & 33-34

Land Rolling

Soil 2nd rate

Vegetation of Runch grass & Sagebrush

713 N. R 30 E Continued

North between Sections 27 and 28
Variation 13° 55' East

Descend

29.25 Loop wash, 6 lks side, Course N 41° W
and ascend

40.00 Set a Sand Stone 12 x 8 x 6 ins
8 ins. in the ground for $\frac{1}{4}$ Sec Cor
marked $\frac{1}{4}$ on W face, dug pits
18 x 18 x 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.

75.90 Loop road, bears E & W.

77.00 Jose Garcia House bears West 19 lks dist.
" Garcia House bears N 45° 70' E. 84 lks dist.
Jose Garcia Corral bears N 48° 15' E
231 lks dist

77.37 Jose Garcia wood shed bears N

BOOK 174

T13 N R30 E. Continued

68° 15' E 257 lks dist;

80.00

Set a Sand Stone 14x14x3 ins,
10 ins in the ground for cor.
To Secs 21-22-27-28, marked with
2 notches on S, and 3 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 alongside

Land Robbing

Soil 2nd rate

Vegetation of Bunch grass & Sage brush

East on a random line

between sections 22 and 27

Variation 104° East

Descend

T13 N. R30 E Continued

- 2.75 Corop low sag and ascend
- 3.00 Enter corral, bears N & S
- 5.50 Leave corral bears N & S
- 9.25 Stone wall bears N & S
- 10.00 Top of spur, bears S.E. & N.W. and descend
- 40.00 Set temporary $\frac{1}{4}$ sec cor
- 68.70 cross road bears N80°E & S80°W
- 79.94 Intersect N & S line 7 lks south of
cor to Secs 22-23, 26-27, from which
corner I run S 89° 57' W on a true
line between sections 22-27
Variation 14° East
- 39.97 Set a basaltic stone 12 x 10 x 9 ins
8 ins in the ground, for $\frac{1}{4}$ Sec cor.
marked $\frac{1}{4}$ on N face, dug pits
18 x 18 x 12 ins E and W of stone
5 $\frac{1}{2}$ ft dist, ^{11" high} 3 $\frac{1}{2}$ ft base alongside
- 79.94 The corner to sections 21-22, 27-28-

BLK 174

T 13 N. R 30 E Continued

Land Mountainous

Soil ^{2nd} rate

Vegetation of Bunchgrass & Sagebrush.

North between Sections 21 and 22

Variation 14° East

Descend

- 3.00 A. Stone well bears E + W
- 30.00 Enter timber bears N.E. & S.W.
- 40.00 Set a Sand Stone $14 \times 12 + 4$ ins, 10 ins in the ground for $\frac{1}{4}$ Sec Cor marked $\frac{1}{4}$ on W face, dug pits $18 \times 18 \times 12$ ins N + S. of Stone $5\frac{1}{2}$ ft dist and raised a mound of earth $1\frac{1}{2}$ ft. high, $3\frac{1}{2}$ ft base alongside
- 80.00 Set a post 4 ft long, 4 ins square. with marked stone 12 ins in the

BOOK 174

T 13 N. R 30 E continued

ground for loc to Secs 15-16-21-22
 marked T. 13. N. S. 15, on N. E. R. 30° E
 S. 22, on S. E. S. 21, on S. W. S. 16
 on NW face with 3 notches on S.
 and 3 notches on E edges.

dug pits 18x18x12 ins in each
 Sec 5½ ft dist and raised a
 mound of earth 2 ft high
 4½ ft base around post
 Land rolling

Said 2nd rate

Vegetation Bunch grass & Sagebrush.

East on a Random line

between Sections 15 and 22

Variation 13° 50' East

Ascend

T 13 N. R 30 E Continued

- 2,50 Top of Spar. bears N.E. & S.W.
and descend
- 40.00 Set Temporary $\frac{1}{4}$ Sec. Cor.
- 78.63 Intersect N & S line, 14, links
North of Cor to Secs 14-15-22-23
from which corner I run
N $89^{\circ} 54'$ W on a true line between
Sections 15-22
- Variation $13^{\circ} 30'$ East
- 39.31 Set a Sand Stone $12 \times 8 \times 6$ ins, 8 ins,
in the ground for $\frac{1}{4}$ Sec. Cor.
Marked $\frac{1}{4}$ on N face, dug pits $18 \times$
 18×12 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
- 78.63 The corner, to Sections 15-16-21-22
Land Mountainous
Soil 2nd rate
vegetation Bunch grass + Sage Brush

BOOK #74

T 13 N. R 30 E. Continued

North between Sections 15 and 16

Variation $13^{\circ} 50'$ East

Descend

- 40.00 Sera Sand Stone $14 \times 11 \times 6$ ins, 10. ins.
in the ground for $\frac{1}{4}$ Sec Cor. Marked
 $\frac{1}{4}$ on N face, dug pit $18 \times 18 \times 12$
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 Sera Sand Stone $13 \times 13 \times 8$ ins.
8 ins in the ground for Cor. to
Secs 9-10-15-16. Marked with
4 notches on S. and 3 notches
on E. edges, dug pit $18 \times 18 \times 12$ 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.

T 13 N R. 30 E Continued

Sand rolling

Soil 1st rateVegetation, of Bunchgrass & Sage brush.
Sept 1st, 1882East on a random line
between Sections 10 & 15Variation 14° East

Descend

1.40 Larop road bears N.W. & S.E.

7.75 Cross wash 7 links wide course N. 62^o W.
and ascend40.00 Set Temporary $\frac{1}{4}$ Sec Cor79.87 Intersect N & S line 15 lks South
of Cor to Secs 10-11-14-15 from
which corner I run $S 89^{\circ} 56' W$
on a true line between sections

T13 N R30 E Continued

10-15

Variation 14° East

39.93 Set a Sand Stone $14 \times 10 \times 4$ ins
 10 ins in the ground, for $\frac{1}{4}$ sec
 Cor. Marked $\frac{1}{4}$ on N face.

dug pit $18 \times 18 \times 12$ ins E & W of
 Stone $5\frac{1}{2}$ ft dist, and raised a
 mound of earth $1\frac{1}{2}$ ft high
 $3\frac{1}{2}$ ft base alongside

79.87 The corner to Sections 9-10-15-16

Land rolling

Soil 15th rate

Vegetation of Bunch grass & Sagebrush

T 13 N. R 30 E Continued

North between Sections 9 & 10
Variation 14° East

Descend

- 2,10 Cross road bears N. N. W. S. E.
- 16,60 Cross wash 12 lks wide course
N 70° W and ascend.
- 40,00 Set a Sand Stone $13 \times 11 \times 7$ ins, 8 ins
in the ground for $\frac{1}{4}$ Sec Cor. Marked
 $\frac{1}{4}$ on W face, dug pits $18 \times 18 \times 12$ ins,
N & S of stone $5\frac{1}{2}$ ft dist, and
raised a mound of earth $1\frac{1}{2}$ ft
high, $3\frac{1}{2}$ ft base alongside
- 80,00 Set a Sand Stone $14 \times 8 \times 4$ ins,
10 ins on the ground for Cor to
Sec 3-4-9-10 marked with
5 notches on S and 3 notches
on E edges, dug pits $18 \times 18 \times 12$
ins in each sec, $5\frac{1}{2}$ ft dist, and

BOOK 174

T13 N. R30 E. continued

raised a mound of earth 2 ft.
high, 4 ft base alongside
Land rolling
Soil 2nd rate
Vegetation of Bunchgrass & Sagebrush.

East on a random line
between Sections 3 and 10
Variation 14° East

Descend

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

79.72 Intersect N + S line 22 lbs South
of Cor to Secs 2-3-10-11 from which
corner I run $209^{\circ}59'$ N. on a true
line between Secs 3 and 10
Variation 14° East

39.86 Set a Sand Stone $14 \times 11 \times 3$ ins
10. ins in the ground for $\frac{1}{4}$ Sec

T13 N. R. 38 E. Continued

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

79.72 The corner to sections 3-4-9-10

Land Rolling

Soil 2nd rate

Vegetation of Bunchgrass & Sagebrush

North on a random line between
 sections 3 and 4

Variation $14^{\circ} 05'$ East

Descend

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

80.31 Intersect N. B. of Tp 8 lks west of
 Cor to Secs 3-4-33-34. which is a

T. 13 N. R. 30 E. Continued

Sand Stone firmly set in ground marked with 3 notches on E and W edges, with pits 18x18x12 ins on each Sec 5½ ft dist. and mound of earth 2 ft high. 4½ ft base alongside,

from which corner Iron S. 30° W. on a true line between Sections 3-4

Variation 14° 5' East

40.31 Set a Sand Stone 11x9x8 ins. 8 ins. in the ground, for ¼ Sec Cor marked ½ on W face, dug pits 18x18x12 ins N and S. of Stone 5½ ft dist. and raised a mound of earth 1½ ft high 3½ ft base alongside

80.31 The corner to sections 3-4-9-10

T. 13 N. R. 30 E. Continued

Land Rolling
Soil 2nd rate

Vegetation of Bunchgrass & Sagebrush.

From the Cor to Secs 32nd and 33
34 and 35
on S. By. of Tp which is a Sand
Stone firmly set in the ground
for Stand, Cor. Marked S.C.,
with 4 notches on E,
and 2 notches on W edges
with mound of Stone alongside.

Thence I run North between
Sections 32 + 33

Variation $14^{\circ} 05'$ East
Descend

36.10 across wash 7 link wide, bourse west
and ascend

T. 13 N. R. 30. E. Continued

- 40.00 Set a Sand Stone $13 \times 11 \times 7$ ins
8 ins in the ground for $\frac{1}{4}$ Sec
Cor. Marked $\frac{1}{4}$ on W. face
dug pits $18 \times 18 \times 12$ ins, N. & S.
of Stone $5\frac{1}{2}$ ft dist, and raised
a mound of earth $1\frac{1}{2}$ ft high, $3\frac{1}{2}$
ft base alongside
- 80.00 Set a Sand Stone $12 \times 8 \times 3$ ins, 8 ins
in the ground for Cor Secs 28-29
-32-33. Marked with 1 notch on
S. and 4 notches on E. edges
dug pits $18 \times 18 \times 12$ ins, in each
Sec, $5\frac{1}{2}$ ft dist, and raised a
Mound of earth 2 ft high, $4\frac{1}{2}$ ft
base alongside.
- Land Rolling
Soil 2nd rate
Vegetation of Bunchgrass & Sage Brush

T. 13. N. R. 30 E. Continued.

East on a random line
between Sections 28 & 33

Variation $13^{\circ} 55'$ East

Ascend

70.00 Set a temporary $\frac{1}{4}$ Sec Cor

79.77 Intersect N & S. line 14 Mls North
of Cor. To Secs 27-28-33-34 from
which corner I run

N. $89^{\circ} 54'$ W on a true line between
Sections 28-33

Variation $13^{\circ} 55'$ East

39.88 Set a Sand Stone $12 \times 36 \times 4$ 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 -

T. 13 N. R. 30 E. Continued

97.77 The corner to Sections, 28-29, 32-33
 Land Rolling
 Soil 2nd rate
 Vegetation of Bunch grass & Sagebrush

North between Sections 28 and 29
 Variation $13^{\circ}55'$ East

Ascend

- 40.00 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 W. face, dug pits $18 \times 18 \times 12$
 ins. N and S of post $5\frac{1}{2}$ ft dist
 and raised mound of earth
 $1\frac{1}{2}$ ft high, $3\frac{1}{2}$ ft base around post
- 69.60 Cross road ~~East~~ N W + S E.
- 80.00 Set a line Stone $12 \times 6 \times 6$ ins

T. 13 N. R. 30 E. Continued

8 ins. in the ground for Sec to
Secs 20-21-28-29. Marked
with 2 notches on S. and
4 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
2 1/2 ft base alongside.

Land Rolling
Soil 2nd rate

Vegetation of Bunch grass & Sage brush

East on a Random line
between Sections 21 and 28

Variation 14° East

Ascend

12:50 Top of Spur bears N & Snd descend

T. 13 N. R. 30 E. Continued

- 40.00 Set a Temporary $\frac{1}{4}$ Sec Cor
- 79.91 Intersect N & E line 5 $\frac{1}{2}$ mls South of
 Cor to Secs 21-23-27-28, from
 which Corner I run
 S89°58' W on a true line between
 sections 21-28
 Variation 14° East
- 39.95 Set a Sand Stone 15 x 9 x 7 ins,
 10 ins in the ground for $\frac{1}{4}$ Sec
 Cor, marked $\frac{1}{4}$ on N face.
 dug pits 18 x 18 x 12 ins E & W of
 stone 5 $\frac{1}{2}$ ft dist, and raised a
 Mound of earth 1 $\frac{1}{2}$ ft high, 3 $\frac{1}{2}$ ft
 base alongside
- 79.91 The Corner to Secs 20-21-28-29.
 Land Mountainous
 Soil 2nd rate
 Vegetation of Bunch grass & Sagebrush

T. 13 N. R. 30 E. Continued.

North, between Sections 20th and 21
Variation 14° East

Descend

- 40.00 Set a Sand Stone $10 \times 8 \times 8$ ins
6 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 and 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 Sand Stone $14 \times 8 \times 8$ ins, 10 ins
in the ground for Cor to Secs. 16-17
20-21 marked with 3 notches on S.
and 4 notches on E edges.
dug pits $18 \times 18 \times 12$ ins in each Sec,
 $5\frac{1}{2}$ ft dist. and raised a mound
of earth 2 ft high, $4\frac{1}{2}$ ft base
alongside

BOOK 174

T. 13 N. R. 30 E. Continued

Land Rolling

Soil 2nd rate

Vegetation of Bunch grass & Sage brush

East on a Random line
between Sections 16 and 21Variation $14^{\circ} 05'$ East

Ascend

11.50 Top of Mesa bears N & S and descend

40.00 Set Temporary $\frac{1}{4}$ Sec Cor80.27 Intersect N & S line 17 lks South
of Cor, to Secs. 15-16-21-22 from which
Corner I run. S $89^{\circ} 53'$ W on a true line
between Sections 16-21Variation $14^{\circ} 05'$ East40.13 Set a Sand Stone $10 \times 9 \times 7$ ins. 6 ins
in the ground, for $\frac{1}{4}$ Sec Cor. marked

T. 13 N. R. 30 E. Continued

1/4 on N face.
dug pits 18x18x12 ins. E and W.
of Stone 5 1/2 ft dist, and raised
a mound of earth 1 1/2 ft. high
3 1/2 ft base alongside

80.27 The Corner to Sections 16-17-20-21

Land Rolling

Soil and rate

Vegetation of Bunchgrass & Sagebrush

North between Sections 16 and 17.

Variation 14° 05' East

Ascend

32.00 Top of Mesa bears N.W. & S.E. and descend

40.00 Set a lime stone 10x12x8 ins. some
in the ground, for 1/4 Sec. Cor. marked
1/4 on W face. dug pits 18x18x12 ins.

BOOK 174

Apr. 13 N. R. 30 E. Continued

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 Sand Stone $13 \times 10 \times 4$ ins. 8 ins in the ground for Cor to Secs 8-7-16-17 marked with 4 notches on S. and 4 notches on E. edges. dug pits $18 \times 18 \times 12$ ins. in each Sec. $5\frac{1}{2}$ ft dist. and raised a mound of earth 2 ft high, $4\frac{1}{2}$ ft base alongside
Land Rolling
Soil 2^d rate

Vegetation of Punch grass & Sage brush

I carefully examined the adjustments of my Solar Compass to day, particularly the latitude and reversing apparatus and found them correct. Sept 2, 1882

T. 13 N. R. 30 E. Continued

East on a Random line

between Sections 9 and 16

Variation $14^{\circ} 5'$ East

Ascend

40,001 Set Temporary $\frac{1}{4}$ Sec Cor

80,008 Intersect N & S lines 10 $\frac{1}{2}$ miles North
of Cor to Secs 9-10-15-16, from which
Cor I run. $N 89^{\circ} 56' W$, on a true line
between sections 9-10

Variation $14^{\circ} 5'$ East

40,004 Set a Sand Stone $17 \times 8 \times 3$ ins, 12 ins
in the ground, for $\frac{1}{4}$ Sec Cor, marked
 $\frac{1}{4}$ on N. face, dug pits $18 \times 18 \times 12$
ins E and 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

80,008 The Corner to Sections 8-9-16-17
Land Rolling

BOOK 174

T. 13. N. R. 30 E. continued

Soil 2nd rate

Vegetation of Bunchgrass & Sagebrush.

North between Sections 8th & 9Variation $14^{\circ} 5'$ East

Descend

25.20 Cross road bears E & W

30.00 Cross gulch 5 lks. wide, course West
and ascend40.00 Set a line Stone $12 \times 8 \times 5$ ins. 8. ins
in the ground for $\frac{1}{4}$ Sec Corner
marked $\frac{1}{4}$ on W face.dug pits $18 \times 18 \times 12$ ins N and S
of stone $\frac{1}{2}$ ft deep, and raised a mound of earth
of stone $1\frac{1}{2}$ ft high, $3\frac{1}{2}$ ft base
alongside80.00 Set a line stone $13 \times 9 \times 4$ ins.
8 ins in the ground for cor

T. 13 N. R. 30 E. Continued

To Secs 4-5-8-9, marked with
5 notches on S, and 4 notches on
E edges.

Dug pits 18x18x12 ins, in each Sec,
5 1/2 ft-diat, and raised a mound
of earth 2-ft. high, 4 1/2 ft-base
along side.

Land rolling

Soil 2nd rate

Vegetation of Bunchgrass & Sage brush

East on a random line between
Sections 4 and 9

Variation 14° East
over level land

40.00 Set temporary 1/4 Sec. Cor.

80.19 Intersect N 1/2 S line 23 1/2 South

Tp 13. N. R. 30 E. Continued

of Cor to Secs 3-4-9-10 from
which corner, I run

$S 89^{\circ} 58' W$ on a true line between
Sections 4-9

Variation 14° East

40.09 Set a lime stone $11 \times 8 \times 7$ 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 base alongside

80.19 The corner to Sections 4-5-8-9

Land Level

Soil 1st rate

Vegetation of Bunch grass & Sagebrush

BOOK 774

T_h 13. N. R. 30 E. Continued

North on a random line between
Sections 4 & 5

Variation $14^{\circ} 12'$ East

Descend

1.50 Drop Wash 5 lks. wide, course West

and ascend

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

80.55 Intersect N. 05 of T_h 16 lks East

of Cor to Secs 45-32-33, which

is a post 4 ins square. Set

firmly in mound of earth.

Marked T. 14. N.S. 33 on N.E. R.

30 E. S. 4. on S.E. T 13 N.S. 5-

on S.W. and S. 32

on NW faces with 2 notches on W

and 4 notches on E edges

with pits $18 \times 18 \times 12$ ins. on each

Sec $5\frac{1}{2}$ ft dist.

Thence I run S 6' E on a true

T. 13 N. R. 30 E. Continued

line between Sections 4-5

Variation $14^{\circ}12'$ East

40.55 Set a line Stone $14 \times 5 \times 5$ ins
10 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

80.55 The corner to Sections 4-5-8-9

Land rolling

Soil 2nd rate

Vegetation of Bunchgrass & Sagebrush

From the corner to Sec^{5, 6} 31-32
on S By of Tp which is a post
4 ins square. Set firmly in

T. 13 N. R. 30 E. Continued

the ground for Standard
 Cor to Sec 31-32, marked
 S. 6. T. 13 N. R. 30 E. ³² on N. 12 N. R. 30
~~E. 5 on S. 2, 6 on S. 12~~
~~S. 32 on 6 and~~

S 31 on N. W faces, with notch on
 N. and 5 notches on E faces
 with pits 18 x 18 x 12 ins N. E to
 W of post. 5 1/2 ft dist. and
 mound of earth around post

Thence I run North between
 Sections 31 and 32

Variation 14° 5' East

Ascend

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

40.00 Set a Sand Stone, 10 x 8 x 4 ins
 6 ins in the ground, for 1/4 Sec
 Cor marked 1/4 on W face

T. 13 N. R. 30 E. Continued

- dug pits 18x18x12 ins N & S
of stone 5½ ft dist, and
raised a mound of earth
1½ ft high, 3½ ft base alongside
61.80 Head of Ravine, course East
and ascend
67.00 Enter level land.
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. 13. N. S 29
on N. E. R. 30 E. S. 32
On S. E. S. 31
On S. W. S. 30
on N. W. face with 1 notch
on S and 5 notches on E edges
dug pits 18x18x12 ins in
each Sec 5½ ft dist, and

J. 13 N. R. 30 E. Continued

raised a mound of earth
2 ft high, $4\frac{1}{2}$ ft base around post
Land mountainous
Soil 2nd rate
Vegetation of Bunch grass & Sagebrush

East on a random line
between Sections 29 and 32
Variation $14^{\circ}-10'$ East

- 10.90 Cross Gulch 4 lks wide, course $N 25^{\circ}$
E, and ascend
- 21.50 Top of ridge bears N + S, and descend
- 40.00 Set temporary $\frac{1}{4}$ Sec Cor
- 80.13 Intersect N & S line 16 lks South
of Cor to Secs 28-29, 32-33 from
which Corner Iron
 $S 89^{\circ} 53' W$ on a true line between

Tp 13. N. R. 30 E. Continued

Sections 29-32

Variation 14° 10' East

40.06 Set a Sand Stone 13 x 10 x 4 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 E & W
 of Stone of Stone 5 1/2 ft dist.
 and raised a mound of earth
 1 1/2 ft high, 3 1/2 ft base alongside

80.13 The corner to Sections 29, 30, 31-32
 Land Mountainous
 Soil 2nd rate
 Vegetation of Bunchgrass & Sagebrush

West on a random line
 between Sections 30 & 31

Variation 14° 05' East.

Twp. 13 N. R. 30 E. Continued

over level land

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

79.89 Intersect W.B. of T₁₄ 18th Nth of Cor to Secs 25-30-31-36.

which is a post 4 ins square set firmly in mound of earth for Cor to Secs 25-30-31-36. Marked
7 13. N S 30

On N. E. R 30 E. S. 31

On S E. R 29 E S. 34 on S W + S
25 on N W face with 1 notch
on S, and 5 notches on N edges
with pits 18x18x12 ins in each
section. 5 $\frac{1}{2}$ ft dist

Thence I run N 89° 52' E on a
true line between sections 30-31

Variation 14° 5' East

39.39 Set a Sand Stone 12x10x4 ins

T. 13 N. R. 30 E. Continued

8 ins in the ground, for $\frac{1}{4}$ Sec
Cor. Marked $\frac{1}{4}$ on N face
dug pit 18 x 18 x 12 ins E + W
of Stone $5\frac{1}{2}$ ft dist, and
raised a mound of earth $1\frac{1}{2}$ ft
high $3\frac{1}{2}$ ft base alongside

79.89 The Cor To Sections 29-30-31-32
Land Level

Soil 1st rate

Vegetation of Bunchgrass & Sagebrush

North between Sections 29nd and 30

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

Ascend

40.00 Set a Sand Stone $10 \times 8 \times 7$ ins, 6 ins
in the ground for $\frac{1}{4}$ Sec Cor
Marked $\frac{1}{4}$ on W face

T. 13 N. R. 30 E Continued

dug pits 18x18x12 ins NW 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.

79.85 Crop road bears N 80° W. x S. 80° E

80.00 Set a post 4 ft long 4 ins square
with marked stone, 12 ins in
the ground for Cor to Secs. 19-20-29-30
marked T. 13 N. S. 20. on N.E. R
30 E, S. 29. on S.E. S. 30, on S.W. and
S. 19 on NW face, with 2 notches
on S. and 5 notches on E edges,
dug pits 18x18x12 ins, on each Sec 5 1/2
ft dist; and raised mound of earth
2 ft high, 4 1/2 ft base around post
Land Rolling
Soil 2nd rate

Vegetation of Bunch grass & Sagebrush

T. 13 N. R. 30 E. Continued

East on a random line
 between Sections 20 and 29
 Variation $14^{\circ} 10'$ East
 Ascend

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

79.87 Intersect N & S line, 9 Mts North
 of Cor to Secs 20-21-28-29, from
 which corner, I run N. $89^{\circ} 56'$
 W. on a true line between Secs
 20 and 29

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

39.93 Set a true Stone $13 \times 9 \times 5$ ins
 8 ins in the ground, for $\frac{1}{4}$ Sec
 Cor. Marked $\frac{1}{4}$ on N face.
 dug pit $18 \times 18 \times 12$ ins E & W
 of Stone $3\frac{1}{2}$ ft dist, and raised
 a mound of earth $1\frac{1}{2}$ ft high
 $3\frac{1}{2}$ ft base alongside.

T. 13. N. R. 30 E. Continued

79.87 The Corner of Sections 19-20-29-30
 Land Rolling
 Soil 2nd rate
 Vegetation of Bunch grass & Sagebrush

West on a random line
 between Sections 19 and 30

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

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

80.11 Intersect W. B. of T₁ 7th South
 of Cor to Secs. 19-24-25-30, which
 is a post-4 ins square, firmly
 set in Mound of earth, firmly
 marked T. 13. 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.

T. 13. N. R. 30 E. Continued

with 2 notches on S. and 4
notches on N. edges:

With pits 18 x 18 x 12 ins in each
Sec 5 1/2 ft dist

Thence I run S 89° 57' E. on
a true line between sections 19-30

Variation 14° 10' East

40.11 Set a Sand Stone 11 x 9 x 7 ins,
8 ins. in the ground, for 1/4 Sec Cor
Marked 1/4 on N face

dig pits 18 x 18 x 12 ins E and W
of Stone 5 1/2 ft dist, and raised a
mound of earth 1 1/2 ft high, 3 1/2 ft
base along side

80.11 The Cor to Sections 19-20-29-30

Land rolling

Soil 2nd rate

Vegetation of Bunchgrass, & Sagebrush
Sept 4, 1882.

T. 13 N. R. 30 E. Continued.

North between Sections 19 and 20
Variation $14^{\circ}10'$ East

Ascend

28.50 Enter timber bears E $\frac{1}{4}$ W

40.00 Set a Quartz Stone $14 \times 14 \times 14$ ins
10 ins in the ground for $\frac{1}{4}$ Sec
Cor. marked $\frac{1}{4}$ on W face.

dig pits $18 \times 18 \times 12$ ins N & S
of Stone $5\frac{1}{2}$ ft dist, and raised
a mound of earth $1\frac{1}{2}$ ft high
 $3\frac{1}{2}$ ft base alongside.

from which

A Cedar 7 ins diam bears N 37°
E. 9 lbs dist. Marked $\frac{1}{4}$ S. B. J

A Cedar 6 ins diam bears S. 46° W
69 lbs dist - marked $\frac{1}{4}$ S. B. J.

80.00 Set a Sand Stone $13 \times 10 \times 4$ ins
8. ins in the ground for Cor

T. 13 N. R. 30 E continued

To Secs 17-18-19-20. Marked
with 3 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.

Land Rolling

Soil 2nd rate

Vegetation of Bunch grass & Sage brush

East on a random line
between sections 17 and 20

Variation 14° 5' East

Descend

39.40 Cross Gulch 4 lks wide, course
S 25° E and ascend --

T_p 13. N. R. 30. E. Continued40.00 Set temporary $\frac{1}{4}$ Sec. cor

60.00 Top of Spur bears N & S and descend

79.66 Intersect N & S line, 15 lbs South of
Cor. to Secs 16-17-20-21, from which
corner I runS 89° 54' N on a true line, between
sections 17-20.

Variation 14° 5' East

39.83 Set a sand stone 12 x 10 x 4 ins, 8 ins
in the ground for $\frac{1}{4}$ Sec Cor., Marked
 $\frac{1}{4}$ on N facedug pits 18 x 18 x 12 ins E and 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

79.66 The cor to Secs 17-18-19-20.

Land Mountainous

Soil 2nd rate

Vegetation of Bunch grass & Sage brush

T. 13 N. R. 30 E. Continued

West on a random line
between sections 18 and 19

Variation $14^{\circ} 5'$ East

Ascend

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

79.72 Intersect - N. B. of T. 19 $\frac{1}{2}$ Sec North of
Cor to Secs - 13-18-19-24. which
is a post 4 ins square set firmly
in a mound of earth, marked
T. 13. N. S. 18 on N. E. R. 30 E. S. 19
on S. E. R. 29 E. S. 24 on S. W. and S
13 on N. W. faces, with 3 notches on
S. and 3 notches on N. edges;
with 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.

Thence Run $N 89^{\circ} 02'$

T. 13 N. R. 30 E. Continued

E. on a true line between sections
18-17.

Variation $14^{\circ} 5'$ East

39.72 Set a Sand Stone $14 \times 10 \times 6$ ins.
10 ins on the ground for $\frac{1}{4}$ Sec
Cor. Marked $\frac{1}{4}$ on N face.
dug pit $18 \times 18 \times 12$ ins. E & W of
stone $5\frac{1}{2}$ ft dist; and raised a
mound of earth $1\frac{1}{2}$ ft high, $3\frac{1}{2}$ ft
base alongside

79.72 The corner to sections 17-18-19-20
Land Rolling
Soil 2nd rate

Vegetation of Bunchgrass & Sage brush.

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T. 13 N. R. 30 E. Continued

North between Sections 17 and 18
Variation $14^{\circ} 5'$ East

Ascend

10.50 Top of Spur, bears E & N, and descend

40.00 Set a Sand Stone $16 \times 10 \times 10$ ins, 10 ins
in the ground for $\frac{1}{4}$ Sec Cor. Marked
 $\frac{1}{4}$ on W face.

dug pits $18 \times 18 \times 12$ ins. N & S. of
stone $5\frac{1}{2}$ ft dist. and raised a
mound of earth $1\frac{1}{2}$ ft high. $3\frac{1}{2}$
ft base alongside.

65.35 Cross Gully 7 links wide. Course
S.E. and ascend

80.00 Set a Sand Stone $15 \times 9 \times 7$ ins, 10 ins
in the ground for Cor to Secs 7-8
-17-18 marked with 4 notches
on S. and 5 notches on E. edges
dug pits $18 \times 18 \times 12$ ins in each

T. 13 N. R. 30 E. Continued

Sec 5 $\frac{1}{2}$ ft dist, and raised
 a mound of earth 2 ft high
 4 $\frac{1}{2}$ ft base alongside
 Land Mountaneous
 Soil 2nd rate
 Vegetation of Bunchgrass & Sagebrush

East on a random line
 between Sections 8 and 17
 Variation 14° East

Ascend

- 8.00 Top of Mesa bears N.W. & S.E. $\frac{3}{4}$ descend
 40.00 Set temporary $\frac{1}{4}$ Sec. cor
 79.96 Intersect N & S line 7 links North of
 cor to Secs 8-9-16-17 from which
 corner I own N 89° 57' W on a true
 line between sections 8-17

J. 13. N. R. 30 E. Continued

Variation 14° East

39.98 Set a Sand Stone $9 \times 9 \times 7$ ins
 6. ins in the ground, for $\frac{1}{2}$ 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

79.96 The corner to Sections 7-8-17-18
 Land Rolling
 Soil 2nd rate
 Vegetation of Bunchgrass & Sagebrush

Went on a random line between
 Sections 7 and 18

Variation $12^{\circ}-10'$ East

Descend

7.13. N. R. 30 E. Continued

- 3.50 Cross gulch 6 lks wide, Course
S 25° E and ascend
- 34.75 Top of mesa bears N + S, and descend
- 40.00 Set temporary 1/4 Sec Cor
- 79.43 Intersect W. B. of Tp 32 lks North
Cor to Secs 7-12-13-18, which
is a post 4 ins square firmly
set in mound of earth, marked
7.13. N. S. 7.
on N.E. R. 30 E. S. 18
on S.E. R. 29 E. S. 13, on S.W. + S.
12, on N.W. faces, with 4 notches
on S, and 2 notches on N, edges,
with pits 18 x 18 x 12 ins in each
Sec, 5 1/2 ft dist,
Thence I run N 89° 46' E
on a true line between sections 7-18
Variation 14°-10' East

T. 13 N. R. 30 E. Continued

39.43 Set a Sand Stone $16 \times 7 \times 4$ ins
 10 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

79.43 The corner to Sections 7, 8, 17, 18
 Land Rolling
 Soil 2nd rate
 Vegetation of Bunchgrass & Sagebrush

North, between Sections 7th & 8
 Variation 14° East

Ascend

21.00 Top of Spur bears N.W. & S.E.
 and descend -

7.13 N. R. 30 E. Continued

40.00 Set a Sand Stone $15 \times 9 \times 8$ ins,
 18 ins in the ground, for $\frac{1}{4}$ Sec
 Cor. Marked $\frac{1}{4}$ on W face,
 dug pits $18 \times 18 \times 12$ ins N & S.
 of Stone $5\frac{1}{2}$ ft. dist, and
 raised a mound of earth
 $1\frac{1}{2}$ ft high, $3\frac{1}{2}$ ft base alongside

80.00 Set a Sand Stone $13 \times 7 \times 6$ ins
 8 ins in the ground for Cor to
 sections 5-6-7-8, marked with 5
 notches on S, and 5 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 2nd rate

Vegetation of Bunch grass & Sage brush

T. 13 N. R. 30 E. continued

East on a random line
between Sections 5 & 8
Variation 14° East

Descend

- 19.74 Loop road bears N. W. & S. E.
25.78 Cross wash 7 links wide course
N W and ascend -
40.00 Set Temporary $\frac{1}{4}$ Sec Cor
80.10 Intersect N & S line at Cor to
Secs 4-5-8-9, from which corner
run, W on a true line between
Sections 5-8

Variation 14° East

- 40.05 Set a Sand Stone $10 \times 10 \times 10$ ins
& 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

T. 13 N. R. 30 E. continued

80.10 raised a mound of earth
 1 1/2 ft high, 3 1/2 ft base alongside
 The corner to sections 5-6-7-8
 Land Rolling
 Soil 2nd rate
 Vegetation of Bunch grass & Sagebrush

Met on a random line
 between sections 6 and 7
 Variation 14° 10' East

Ascend

40.00 Set temporary 1/4 Sec Cor
 79.28 Intersect - N. P. of T. 13 1/2 S. South
 of Cor to Secs 1-6-7-12. Which
 is a post 4 ins square, firmly
 set in Mound of earth.
 Marked T. 13. N. S. 6. on N. E.

T. 13. N. R. 30 E. Continued

R. 30 E, S. 7, on S.E. R. 29, E. S. 12, on S. 7th and S. 1, on N.W. faces, with 5 notches on S, and 1 notch on W edges, with pits 18x18x12 ins in each Sec 5 1/2 ft dist

Thence I run S. 89° 54' E on a true line, between sections 6 and 7

Variation 14° 10' East

39.28 Set a stone 11x7x5 ins, 8 ins in the ground for 1/4 Sec Cor. Marked 1/4 on N face.

dug pits 18x18x13 ins, E and W of stone 5 1/2 ft dist, and raised a mound of earth 1 1/2 ft. high 3 1/2 ft base alongside

79.28 The Corner to sections 5-6-7-8
Land Rolling

7.13 N. R. 30 E. Continued

Soil 2nd rate

Vegetation of Bunchgrass & Sagebrush

North on a random line
between sections 5 and 6
Ascend

21.60 Cross road bears N.W. & S.E.

40.00 Set temporary 1/4 Sec Cor

80.18 Intersect N.B. of Twp. 5 Tls. West
of Cor to Secs 5-6-31-32. which
is a post-4000 square firmly
set in mound of earth
marked 7.14. N. S. 32 on N.E.
R. 30. E., S. 5 on S.E. T. 13. N. S.
6. on S.W. and S. 31. on N.W.
faces. with 1 notch on W. and
5 notches on E. edges;

T. 13. N. R. 30. E continued

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

Thence I run

S 2° W, on a true line between
Sections 5-6

Variation $14^\circ 12'$ East-

40.18 Set a Sand Stone $11 \times 7 \times 6$ ins
8. 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 Nnd 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

80.18 The Corner to Sections 5-6-7-8
Land rolling
Soil 2nd rate

Vegetation of Bunch grass & Sagebrush,
I carefully examined the

7.13 N. R. 30 E. Continued

adjustments of my Solar Compass
to-day, particularly the latitude
and reversing apparatus, and
found them correct.

Sept 5th 1882

T. 13. N. R. 30 E. Continued

General Description

The land in this Township is rolling and Mountainous.

It is covered with timber of Pine and Cedar, and Vegetation of Bunch grass and Sagebrush.

The Soil is 1st, 2nd & 3^d rate.

The Township is well watered by numerous springs, creeks &c and there is a large amount of valuable agricultural land.

It is also well adapted to grazing.

There are a number of settlers and a considerable land is under cultivation.

Several roads cross the Township.

Jose Garcia who made application

T. 13. N. R. 30 E. Continued

for the survey of T. 14. N. R. 30. E.
was found to have improvements
consisting of House, Corral,
and about 25 acres fenced
in sections 2, 22, 27 & 28
The value of same being about
\$400.

Anastacio Chaves has a house
and about 25 acres fenced in
T. 12. N. R. 30. E. He having
also been imperfectly located
in his application.

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

The foregoing Field Notes of the survey of

Subdivision Lines
of Township 13 North,
Range 30 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.