

Plotted
Copied

Book No

No. 1347 BOOK 1347

Field Notes

OF THE SURVEY OF

3 Auxiliary Guide Meridian
East, through Tps. 14, 15, 16, 17,
18, 19, ^{2nd} 20 North, Rs. 12 ^{and}
13 East

1347

(See Resurvey by Rep. Drummond
in 1893 - this package, through
Tps. 14, 15 & 16 N.

Gila and Salt River Base and Meridian-

ARIZONA.

By Johnston B. McLaughlin D.S.

Under contract dated May 16th 1883.

Survey commenced July 28th 1883.

Survey completed Aug. 2nd 1883.

No 1347



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BOOK 1347

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For preliminary notes
and description of instrument
used see Book No. 1.

Survey commenced, July 28th 1883
Survey completed, Aug. 2nd 1883

3rd Auxiliary Meridian East
Chains.

	From the cor to Sp. 13 ^{and 14} 1891. R ^s 12 ^{and 13} East. just descended by me. Drun. North it sees 31 ^{and 36} W 13° 46' E
40.00	At a Sandstone 18 + 12 + 4 ins. 12 ins the ground for 1/4 sec corner, marked. 1/4 in W face. from which A Pine 20 ins diam bears N 48 lks dist. Marked. 1/4 S.B.F. A Pine 6 ins diam bears N 78° E. 60 lks dist. Marked 1/4 S.B.F.
60.46.	cross arroyo to N. E and ascend
64.20	Top. of point of ridge and descend.
71.00	Foot of ridge and cross same arroyo to N. W. and ascend
74.80	Top. of rocky bluff bears 8 ^{and 9} and descend.

No. 1347

BOOK 1347

through T₁ 14 N. R₅ 12 ^{and 13} East
chain

80.00 Set a Sandstone 2 4 + 18 + 4 in
18 ins in the ground. for the cor
to sec's. 25.30.31 ^{and 32}, marked
with 1 notch on S. and 5 notches
on N. edges and raised a mound
of stone alongside. Pit impracticable
from which
A Pine 14 ins diam bears S 74° E.
34 lbs dist. Marked T₁ 4 N. R. 13 E. S. 31 B. S.
A Pine 24 ins diam bears N 70° E. 46 lbs
dist. Marked. T₁ 4 N. R. 13 E. S. 30 B. S.
A Pine 6 ins diam bears S. 54° N. 38 lbs
dist. Marked. T₁ 4 N. R. 12 E. S. 3 B. S.
A Pine 6 ins diam bears N 60° W.
30 lbs dist. Marked. T₁ 4 N. R. 15 E. S. 25 B. S.
Surface. Rough ^{and} Broken
Soil. 2^d. Rate.
Timber. Heavy pine.

3rd Auxiliary Meridian East

Chavis

- North lat sees 25th & 30th
 Pa. 13: 46' E
- 3.00 Ascending
 Top of bluff. bear E ^W and
 descend.
- 11.25 Bottom of canon 150 ft deep
 to N 12° E. and ascend.
- 35.00 Top of ridge bears E ^W
 and descend.
- 40.00 Set a Sandstone 24+16+4 ins
 18 ins in the ground for 14
 see cor. marked. 14 in N.
 face, and raised a mound
 of stone alongside. It is impracticable
 from which
 A Pine 10 ins diam bears N 81°
 E. 28 lbs dist. Marked 14. S. B. T.
 No other trees within limits
- 41.76 Arroyo 30 ft deep to East.
- 80.00 Set a Sandstone. 18+16+4 ins
 12 ins in the ground. for the
 cor to sees 19, 24, 25th & 30.

Through T14 N. R. 12nd 13 East

Chains

marked with 2 notches on S and
4 notches on N. Edges, and raised
a mound stone along side.

Pit's impracticable,

from which

A Pine 18 ins diam bears S 20° E. 22

lbs dist. Marked T14 N. R. 13 E. S. 30 B. 5.

A Pine 20 ins diam bears N 15° E. 12

lbs dist marked T12 N. R. 13 E. S. 19 B. 5.

A Pine 28 ins diam bears N 41° W.

68 lbs dist. Marked. T14 N. R. 12 E. S. 24 B. 5.

No other trees within limits

Survey, See ^{rough} map.

Soil. 3rd rate.

Timber. Heavy Pine

North set sees 19^{and} 24.

Do, 13° 46' E

46.00 Set a Sandstone 20+8+6 ins.

3rd Auxiliary Meridian Chains

15' ins in the ground for 1/4
see cor, marked 1/4 on W
face, and raised a mound
of stone alongside. Pits
impracticable.

From which

A Pine 14 ins diam bears S 76° E.
28 lbs dist. Marked 1/4 S. B. E.
No other trees within limit

66.29
73.10
80.00

Arroyo Co N. E.

Arroyos. Co. N. W.

Set a Sandstone 76+12+6 ins
11 ins in the ground. for the
cor to sees 13. 18. 19 and 24,
marked, with 3 notches on W
and S. edges, and raised a
mound of stone alongside.
Pits impracticable from which

A Pine 40 ins diam bears S 10° W
28 lbs dist. Marked S. 1/4 W
R. 128. S. 24 B. S. No other trees within limit
Sandy rolling. Heavy pine timber
Soil. 5/8 rate.

East, through ^{bet} 14 N., R. 12 ^{and} 13 E.

Chairs.

North set see's 13, ^{and} 18
 Va 13:46' E.

1.85 Arroyo, 50 ft deep, to East.

2.28 Bluff of rocks 40 ft high near
 E ^{and} W.

40.00 Set a Sandstone, 18+10+7 ins. 12
 in' in the ground, for '4 see
 cor. marked '4 on W face. and
 raised a mound of stone alongside
 Pits impunctable, from which
 a Pine 18' long diam base 15"
 N. 14 lbs dist, marked '4 S. B. S.
 No other trees within limits

66.00 Ravine to 7112° E.

75.70 Same Ravine to 714° N.

79.00 Same Ravine to 710° E

80.00 A Sandstone Rock in place
 36+2,4+18 ins. above ground
 which I marked for the cor to
 see's 9, 12, 13 ^{and} 18; with a cross
 (X) at the exact corner point

3rd auxiliary Meridian East.

Chains

with 4 notches on S. and 2
notches on N. edges, and
raise a mound of stone along fire
pit - impracticable

from which

A Pine 20 ins diam bears S. 68° E.

23 lbs dist. Marked S. 14° N

R 13 E. S. 18 B T.

No other trees within limits

Surface Rolling

Soil. 3rd rate.

Timber. Heavy pine

North lat sees 7^{and} 12

Pa 13° 46' E

40.00 Set a Sandstone 18+14+8 ins 12
ins; in the ground. for 14 sec
cor marked, 14 on W. face
and raised a mound of stone

through T_p 14 N. R. 12 ^{and} 13 E.

Chairs

alongside. It's impracticable
from which

A Pine 30 ins diam bears N 57° W.

12 lbs dist. Marked T₁₄ S. B. T.

No other trees within limits.

76.00 ²⁰Leaves. Heavy pine timber

80.00 Sand Rock in place 4+4+4 ft.

about ground. For the cor to
see 1. 6. 7th 12, which I marked

with a cross (X) at the exact
corner point, and 5 notches
on Sand. 1 notch on 2 Edges
and raised a mound of stone

over cross). From which

A Spruce 6 ins diam bears N 74° E

14 lbs dist. Marked T₁₄ N. R.

13 E. S. 6 B. T.

No other trees within limits
Surface. Broken ^{up} rocky.

Soil, 4th rate.

Timber. Dense Cedar, ^{and} Spruce

3rd Auxiliary Meridian East

Brush, *St. Louis* pine
and spruce.

North Net sees 1st and 6.

2a 13.48' E

- 17.60 Top of bluff bears E^{and} W
and descend.
- 26.00 Bottom of cañon 300 ft deep
course East, and ascend.
good water 1 chain west
of line.
- 35.80 Leave cañon to East.
- 40.00 Set a Sandstone 18 + 12 + 6 ins
12 ins in the ground for 1/4
see cor. marked. 1/4 on W.
face, and raised a mound
of stone alongside.
It's impracticable.
- 80.00 Set a Sandstone 24 + 20 + 6 ins

through T_{ps} 14 W_{Rs} 12 and 13 C.

18 ins in the ground, for the
 corner to T_{ps} 14 ^{and} 15 N. R. S. 12 ^{and}
 13 East, marked with 6 notches
 on each, edge and raised a
 mound of stone alongside
 pits impracticable,
 from which.

A Pine, 18 ins diam bears S. 54° W,
 46 lks dist., Not marked on account
 of a nest of black ants at the
 foot of tree.

A Juniper 10 ins diam bears S. 64° E,
 38 lks dist. Market. T. 14 N. R.
 13. C. S. 6. B. T.

No other trees within limits

Surface Rolling

Soil, ~~granite~~ ^{granite}

Timber, Dense cedar ^{and} Pinon

Brush, Scattering Pine and

Spruce.

8²⁰ Auxiliary Meridian East

Chains

From the cor to Sp's 14^{and 15}
N. Rs 12^{and 13} East just
established by me.

Drun.

North to see's 31^{and 36}

Va 13° 46' E

40.00 Set a Sandstone 15 + 12 + 4 ins
10 ins in the ground for 1/4
see cor marked. 1/4 in N
face, dug pits 18 + 18 + 12 ins
N^{and} S. of stone 5 1/2 ft dist
and raised a mound of earth
1 1/2 ft high 3 1/2 ft base
along side,

No trees within limits

80.00 Set a Sandstone 16 + 12 + 8 ins
11 ins in the ground for the
cor to see's 25.30.31^{and 36} marked
with + notch on S. and, 3 notches
on N. edges and raised a mound

through Sp. 15 N. R^s 12 ^{and} 13 E.

Chains

of stone alongside, pits impracticable
Sand. Rolling
Soil, 3rd rate.

Timber. Dense Cedar & Oak
brush. Scattered Large pine

North it sees 25th and 30.

Pa 13.48' East.

40.00 Set a Sandstone 36 + 10 + 10 in
27 ins in the ground for 7th sec
cov. marked. 74 on N face, and
raised a mound of stone alongside
Pits impracticable

40.10 Arroyo Co S.E. 10 lks with

80.00 Set a Sandstone 12 + 10 + 6 in
8 ins in the ground for the,
cov to sees 19, 24, 25th 30
marked with 2 notches on S.
and 4 notches on N edges and

3rd Auxiliary Meridian

raised a mound of stone
alongside. It's impracticable
Surface; Rolling
Soil. 8th rate.

Dense cedar ^{and} pinon
Brush. Scattering pine
some grass

July 28th 1883

North lot sees 19 ^{and} 24
by 13° 48' E

- 24.66 Ravine les N. E.
40.00 Set a Sandstone 18+12+8 ins
12 ins in the ground for 1/4 sec
corn marked. 1/4 in N face.
and raised a mound of stone
alongside. It's impracticable
- 44.00 Ravine les N. W.
80.00 Set a Sandstone 18+14+4 ins
12 ins in the ground for the

East through Sp. 13⁴ N. R. 12⁴ and 13⁴ E

the cor lores 13, 18, 19^{and 24}
 marked, with 3 notches on
 S and 3 notches on N. edges
 and raised a mound of stone
 along side of it impractical
 sand. Rolling
 Soil. ^{or} rate.
 Timber. Dense, cedar^{and}
 Iron Bush.

North of sees 13^{and 18}
 Pa 13: 46' E

40.00 Set a Post 3 ft long 3 ins diam
 with marked stone 2 ins in the
 ground for 1 see cor. marked
 1/4 S. on W face. dug pits
 18 1/4 18 1/4 2 ins N^{and S} of stone
 5 1/2 ft Vest and raised a mound
 of earth 1 1/2 ft high 3 1/2 ft base
 around post.

3rd Auxiliary Meridian
Chairs

20.00 Set a Sandstone 16+10+6 ins
11 ins in the ground. for the
con to see's 7, 12, 13 ^{and} 15, marked
with 4 notches on S. and 2 notches
on N edges. and raised a mound
of stone alongside. It's impracticable
Level? Level.
Soil. 2nd rate.
Timber. Dense. Cedar ^{and} Pinon
Brush

North set see's 7 ^{and} 12
Pa 13:48' E

12.77 Arroyo 15 ft deep, 20 lbs wide
con N. W.

40.00 Set a Limestone 16+14+6
ins, 11 ins in the ground. for
4 see con marked 14 on N.
face. and raised a mound of

East through Twp. 15' N. R. 12nd 13 East.

Chains

stone along side. It's im-
practicable.

80.00

Set a Post, 4 ft long 4 in
square ^{with marked stone} 12 in in the ground
for the cor to sec 16. ^{and} 12.
marked with 5 notches on S
and 1 notch on N edges and
raised a mound of stone ^{around post} along side
It's impracticable

11.00

Land Level 70. 30 S. 70. 100 100 100

Soil. 3rd rate. 100 100 100
Timber. Dense. Cedar
and Pinon Bush

North at sec 1 ^{and} 6

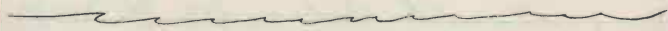
13.48' E.

40.00

Set a sandstone 20 + 12 + 8 in
15 in in the ground for 1/4
sec cor marked 1/4 on W

3rd auxiliary Meridian East
Chains through T^p. 15 N. R^s. 12^W 13 East.

face, and raised a mound of
 stone alongside. It's impracticable
 41:60 Enter arroyo to S. W. and ascend
 45:07 Top of Bluff, bears E ^{and} W.
 80:00 Set a limestone 18+12+6 ins
 12 ins in the ground for the
 box to T^p. 15 ^{and} 16 N. R^s. 12^W
 13 East, marked with 6 notches
 on each edge, and raised a
 mound of stone alongside
 It's impracticable
 Sand. Rolling
 Soil, 2nd. rate.
 Timber - Dense. Cedar. ^{and} ^{Pinon}



through Sp. 16 N.Rs 12nd 13 East
Chains

From the cor to Sp. 15th 16
N. Rs 12nd 13 East, just established
by me
Iron.

North lat sees 31st and 36
Lat 13° 48' E

10.00 To edge of canon and descend
to N.E.

13.00 Bottom of canon 40 ft deep
to N.E. and ascend.

15.00 Leave canon to N.E.

40.00 Set a Sandstone 15' + 15' + 6' in
10 ins in the ground for "use
cor marked. 44 on W face, and
raised a mound of stone alongside
It's impracticable.

80.00 Set a Sandstone 16' + 12' + 5' in
11 ins in the ground for the cor
to sees 25, 30, 31st and 36. marked
with 1 notch in S and 5' notches

3rd Auxiliary Meridian
Chains

on N. edge, and raised a mound
of stone along side. Pits
impracticable.

Land. Level.

Soil. 2nd rate.

Timber. Dense beech & Pison
Bush.

North pt sees 25th 30

Pa 13° 46' East.

40.00 Set a Sandstone 15+8+6 in
10 ins in the ground for 14
see cor. marked, 14 m N. face
and raised a mound of stone
along side. Pits impracticable

4400 Array to N. E.

80.00 Set a Sandstone 12+10+6 in
8 ins in the ground. for the
cor to sees, 19. 24. 25th 30.

East. through T 6 N. lat. R. 12^c ^{and} 13^e.

Chains

marked, with 2 notches on S
and 4 notches on N edges
and raised a mound of stone
alongside. It is impracticable

Sand. Level

Soil. 2nd rate.

Timber. Dense. Cedar & Bush.

North lat sees 19^{and} 24

Pa 13^e 46' E.

40.00 Set a sandstone 16 + 14 + 8 ins
11 ins in the ground for 14 sec
con marked 14 on N face.
and raised a mound of
stone alongside. It is
impracticable

50.00 Set a sandstone 14 + 12 + 7 ins
9 ins in the ground for the
con to sees 13, 18, 19^{and} 24, marked

3rd Auxiliary Meridian East Chains

with 3 notches on N and
S Edges, and raised a mound
of stone along side. Pits
impracticable.

Land level.

Soil. 2nd rate

Timber. Dense cedar Bush

North to see's 13^{and} 18.

Loc 13:46' E

40.00 Set a sandstone 13+8+5 ins
9 ins in the ground for 14
see con. marked 14 on N
face, and raised a mound
of stone along side. Pits
impracticable.

50.00 Set a sandstone 18+16+8 ins
12 ins in the ground for the
con to see's 7, 12, 13^{and} 18.

through T_p. 16 N. 1st R_s 12^{and} 13 East

Chairs

marked with 4 notches on
S. and 2 notches on N. edges.
and raised a mound of stone
alongside. Pits impracticable
Land Level.

Soil. 8th rate.

Timber - Dense Cedar Brush

North 1st sec 7^{and} 10
Ta 13° 48' E.

- 6, 46 Descend into canon to N. E.
10, 10 Bottom of canon 15' ft deep
to N. E.
34, 00 Lean canon to N. E.
40, 00 Set a sandstone 14 + 12 + 6 ins
9 ins in the ground for 11 sec cor
marked. 11 on N. face and raised
a mound of stone alongside pits
impracticable

3rd Auxiliary Meridian East.

Chains

80.00 Set a Sandstone 12+10+6 ins
 8 ins in the ground for the
 cor to sec's 1, 6, 7 ^{and} 12, marked
 with 5 notches on S. and 1 notch
 on N. Edges and raised a mound
 of stone alongside. It's impracticable
 Sand Broken
 Soil. 3rd rate
 Timber. Dense cedar brush

North to sec's 1 ^{and} 6
 Va 13° 45' E

40.00 Set a Sandstone 18+12+6 ins
 12 ins in the ground for $\frac{1}{4}$ sec
 cor marked 44 on N face and
 raised a mound of stone
 alongside. It's impracticable
 from which
 A cedar 8 ins diam was

through T_p. 16 N₁R₁₂ and 13 East.

Chains

80.00 I 83° E. 64 lbs dist marked 40 S B T.
~~See other maps within limits~~
 Interest ~~40~~ Standard Parallels

North, 9.68 chs East of the
 Standard 40 sec cor. on S. B line
 see 36. ^{just set by me} T. 17. N. R. 13 East.

Set a Limestone 20 + 16 + 3 ins 20 22
9

18 ins on the ground for the closing
 Cor. to T_p's 16. N. R₁₂ and 13 East.

marked C. C. with 6 notches
 on S. E. and W. edges and raised
 a mound of stone along side.
 Pits impracticable.

from which a pin

A Pin 10 ins diam bears N 64° E.

4 lbs dist. Marked, T 17. N. R 13 E

S. 36. B T.

No other trees within limits

Sand Level

Sail. 34. 24.

Pin. 10. 2. 2. Cedar Brush

3rd Auxiliary Meridian East
chains through T. 16 North. R. 12nd & 13th E.

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

J. B. McLaughlin
July 29th 1888.

3rd Auxiliary Meridian East, through

T₁₇ N. R. 12nd 13 East.

Notes From the Standard Cor to T₁₇ N. R. 12nd 13rd East, on the 4th Standard North, recently established by me.

Drum.

North at sees 31st 36

Pa 13.45' E

28.65 Wagon Road cars 8th 11.

40.00 Set a Limestone 26 + 16 + 8 ins
19 ins in the ground for "4 see
cor marked 74 on N face, and
raised a mound of stone alongside
Pits impuncturable.

80.00 Set a Limestone 26 + 14 + 6 ins
19 ins in the ground for the
cor to sees 28.30.31st 36-
marked with 1 notch on S.
and 5 notches on N edges.
dug pits 18 + 18 + 12 ins, in each
see 5 1/2 ft dist; and raised

3rd Auxiliary Meridian East
 Chanis

a mound of earth 2 ft high
 4" 2 ft base along side.

Land Level

Soil, 3rd rate.

Timber. Vernal undergrowth
 Cedar.

North bet-ees 25^{and} 30

Pa 130. 15' E

- 40.00 Set a Sandstone 24+8+6 ins
 18 ins in the ground, for '14
 see cor, marked '14 on N. face,
 and raised a mound of stone
 along side. *It is impractical to
 dig brush & enter valley.*
- 80.00 Set a Sandstone 12+10+6 ins
 8 ins in the ground for the
 cor to ees 19, 24, 25, ^{and} 30,
 marked with 2 notches on S

through Sp. 17. N. 1/2 Sec. 12nd 13 East,

Main

and 4 notches in N edges
dug pits 18 + 18 + 12 ins in
each sec 5 1/2 ft dist and
raised a mound of earth 2 ft
high 4 1/2 ft base alongside
Land Level

Sail. 2nd rate

Good grazing

North 1/2 sec 19th 2^d

13:45 E

40.00 Set a Sandstone 18 + 8 + 4 ins
12 ins in the ground for 1/4 sec
cov. marked 1/4 on N face
N. 1/2 S.
dug pits 18 + 18 + 12 ins
of stone.
each sec 5 1/2 ft dist and
raised a mound of earth 1 1/2
ft high 3 1/2 ft base
alongside

3rd Auxiliary Meridian East

Chairs

80.00 Set a Post 4 ft long 4 ins
^{square}
 clear with marked stone,
 12 ins in the ground, for the
 cor to sees 13, 18, 19, ^{and} 24,
 marked, T 15 N. S. 18 on N. E.,
 R. 13 E. S. 19 on S. E., R. 12 E. S. 24
 on S. W. ^{and} S. 13 on N. W. faces
 with 3 notches on S. and
 N. edges. dug pits 18 + 18 + 12
 ins, in each see 3 1/2 ft deep
 and raises a mound of earth
 2 ft high. 4 1/2 ft base
 alongside. Around post.
 Land Level.
 Soil, 2nd rate.
 Good grass
 Dense Sage brush.

through $\frac{1}{2}$ of 17. N. bet Rs 12 ^{and} 13⁸

Chaus

North bet sees 13 ^{and} 18
 lat 13° 45' E

40.00

Set a Sandstone 18+12+4 ins
 12 ins in the ground for "see
 cor marked." on N face. and
 raised a mound of stone
 alongside. It's impracticable

80.00

Set a Limestone 14+12+8 ins
 9 ins in the ground for the
 cor to sees 7, 12, 13 ^{and} 18.
 marked with 4 notches on
 S. and 2 notches on N edges
 and raised a mound of stone
 alongside. It's impracticable

Land Level

Soil. 2nd rate

Timber - Pinon & cedar

Bushes - Good grass

3rd Auxiliary Meisau

Chains

North tet sees 7^{and} 12

Dn 13° 45' E

2.00 Enter dense Cedar Brush

40.00 Set a Sandstone 18+9+6 ins

12 ins in the ground for '14

see cor. marked. '14 on W

face. and raised a mound

of stone alongside. Pits

impracticable.

80.00 Set a Sandstone 16+14+7 ins

11 ins in the ground for the

cor to sees 1, 6, 7^{and} 12, marked

with 5' notch on S. and 1

notch on N. edges and

raised a mound of stone

alongside. Pits impracticable

Surface. Level

Soil, 2nd rate

Situation - Dense Cedar

Brush. - good grass

East, through G. 17 N. to R's 12^{and} 13 E.

Chairs

North Pit sees 1^{and} 6

Val 13° 46' E

40.00 Set a Post 3 ft long 3 ins diam
with marked stone 12 ins in
the ground for '14 sec cor,
marked '4 on W. face. aug
pits 18+18+12 ins. N^{and} S
of ~~stone~~ ^{post}. 5 1/2 ft dia and raised
a mound of earth 17 1/2 ft high
3 1/2 ft base ~~along side~~ ^{around post}

80.00 Set a Sandstone, 16+14+12 ins
11 ins in the ground, for the
cor to Sp 17^{and} 18. N. R's 12^{and}
13. East, marked with 6 notches
on each edge, and raised
a mound of stone along side.
Pits impracticable, cor sets
in a ravine to S. W.

Sand Level

Soil. 3rd date

Dense Cedar ^{and} Sage brush

3rd Auxiliary Meridian East
 Rais

From the cor to Tps 17
 and 18 N. Rs 12^{and} 13 East
 just established by me
 Iron

North to sec's 31^{and} 38

to 13th E.

40.00 Sandstone 15+12+4 ins
 10 ins in the ground for
 1/4 sec cor. marked "Wen"
 W face, and raised a
 mound of stone along edge
 pits impracticable,

40.90 Road N.E. to S.W.

80.00 Sandstone 18+14+6 ins
 12 ins in the ground for
 the cor to sec's 25-30, 31
 and 36 marked with 1
 notch on S^{and} P^{and} notches,
 on N edges, dug pits
 18+18+12 ins in each sec

through Sp. 18. N. bet Rs 12⁰⁰ & 13⁰⁰

Chairs

5 $\frac{1}{2}$ ft dia and raised a
mound of earth 2 ft
high 4 $\frac{1}{2}$ ft base along side
Surface Level
Soil - 2nd rate
Timber: Dense cedar &
Sage Bush

North set sees 25⁰⁰ and 30⁰⁰
Jan 13: 46 E.

40.00 Set a Post, 3 ft long 3 in
diam with marked stone
12 in in the ground for
14 see cor marked 148
on N face. dug pit
18+18+12 in N & S 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 along side ^{mound 1 $\frac{1}{2}$ ft.}

3rd Auxiliary Meridian East-
Chais

80.00 Set a Sandstone 16+12+
6 ins, 10 ins in the ground
for the cor to see's. 19.
24, 25th and 30. marked with
2 notches on S. and 4 notches
on N edges and dug pits
18+18+12 ins. in each see
5 1/2 ft dist and raised
a mound of earth 2 ft
high, 4 1/2 ft base along side.
Surface slightly rolling
soil, 3rd rate
Dense cedar + sage Bush
July 31st - 1883

North knees 19th and 24
In 13.46 E

19.00 Ascend bluff of rock
24.80 Top of Bluff runs E. N.
40.00 Set a Post 3 ft. long 3rd

through S. 18 N. R. 5 12 ^{and} 13 E. 1.
chains

chain, with marked stone 12
ins in the ground for. 14 sec
cor marked 14 on N face.
dug pits 18+18+12 ins.
N & S of post 5 1/2 ft dist
and raised a mound of
earth 7 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 the cor to sec 13-18
19 ^{and} 24. marked S. 18 N.
R. 5 E. S. 18. ~~S. 18~~ on N. E. R. 13 E.
S. 19 on S. E. R. 13 E. S. 24 on S. N.
and S. 13 on N. W. faces, with
3 notches on N ^{and} S edges.
dug pits 18+18+12 ins.
in each sec 5 1/2 ft dist
and raised a mound of earth
2 ft high 4 1/2 ft base around post

3rd Auxiliary of Meridian East-
Chains

Surface. Rolling
Soil. 2nd rate
Dense cedar and Saper
Bush

North Pt sees 13^{and} 18
Ga 13°. 46'E

4000 Set a sandstone 20 + 6 + 5 in
15 in in the ground for
1/4 sec cor. marked 14 on N
face. dug pits 18 + 18 + 12
in. N + S of post. 5' 2 ft
dial and raised a mound
of earth 1 1/2 ft high 3' 2
ft base ~~along~~ ^{along side} post

80.00 Deposited a marked stone
12 in in the ground for the
cor to sees 7, 12, 13^{and} 18.
dug pits 18 + 18 + 12 in in

BOOK 1847

through 1871 N. R's 12 and 13 East

Chains

Each see 5 1/2 ft dist and raised a mound of earth 2 ft high, 4 1/2 ft base over it - In S. E. pit drove a stake 2 ins square 2 ft long 12 ins in the ground marked.

T. 18. N. S. 7. on N. E.

R 13 E. S. 18. on S. E.

R 12 E. S. 13. on S. W. and S 1/2 on N. W. faces, with 4 notches on S. and 2 notches on N edges.

Surface Level

Soil - 2nd rate.

Dense Sagbans bedas

Brush

North 1/2 sees 7 and 12

70 1/2, 46 1/2 E

3rd Auxiliary Meridian East

Chains

40.00

Deposited a marked stone 12 ins. in the ground for 1/4 Sec. Cor. dug pits 18 x 18 x 12 ins. N and S of stone 5 1/2 feet dist and raised a mound of earth 1 1/2 ft. high 3 1/2 ft. base over it. In W. pit drove a stake 2 ft. long 2 ins. sq 12 ins. in the ground marked 1/4 S. on W face.

80.00

Set a post 4 ft. long 4 ins. square, with marked stone, 12 ins. in the ground for Cor, to Secs. 1. 6. 7 2/12 marked T 18 1/2 S. 6 on N. E. R. 13 8. S. 7 on S. E. S. 1/2 on S, W, and S, 1 on N, W, face, with 3 notch on S, and 1 notch on N 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.

Surface level
Soil. 8th sec
Kouse sugar Brush

through T 18 N. R. 12 ^{and 13}
chains

North at sec 1 ^{and 6}
Ta. 13: 46' E

40.00

Deposited a marked stone 12 ins. in the ground for $\frac{1}{4}$ Sec. Cor. dug pits 18 x 18 x 12 ins. N and S of stone $5\frac{1}{2}$ feet dist. and raised a mound of earth $1\frac{1}{2}$ ft. high $3\frac{3}{4}$ ft. base over it. In N pit drove a stake 2 ft. long 2 ins. sq. 12 ins. in the ground marked $\frac{1}{4}$ S. on W face.

20.00

Set a limestone 26. + 10 + 8 ins 19 ins in the ground for the cor to T 18 ^{and 19} N. R. 12 ^{and 13} E. marked with 6 notches on each edge. and raised a mound of stone alongside pits impracticable.
Surface level
Soil. & soil -
Vegetation Sage Brush and grass.

3rd Auxiliary Meridian

Chais

From the cor to Tps. 18^{and}
 19 N. R. 12^{and} 13 East, just
 set by me I run
 North set sees 31^{and} 32
 Va 13:46^E

3.00 Enter Cedar Brush

40.00 Set a line stone 18x15x6 ins
 12 ins in the ground for '14
 see cor marked '14 on W
 face, and raised a mound
 of stone along side. Pitt's
 irremovable, (on right
 bank of cañon ~~and descend~~)

46.00 Across cañon (80 ft deep)
 to N. E.

68.00 Leave cedar and enter
 Prairie

80.00 Set a line stone 18x12x6 ins, 12 ins. in
 the ground for Cor, to Secs, 23, 30, 31^{and} 32 marked
 with 1 notch on S. and 5 notches on N. Edges,
 dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft.

East. through T. 19 N. R. 5. 12 and 13 E

Chains

dist. and raised a mound of earth 2 ft. high
4 1/2 ft. base. alongside.

Surface Rolling

Soil. 8th cuts

Dense cedar & sage brush

North West sec's 25 ^{and} 30

Ta 13. 4 2' E

40.00 Limestone 16 + 12 + 4 ins
11 ins in the ground for 14
see cor marked 14 on N
face and raised a mound
of stone alongside. P is
in ~~practically~~ ~~practically~~.

81.00 Set a Limestone 12 + 10 + 6
in ins in the ground for
tho cor to sec's 19-24. 25-30
marked with 2 notches in
S acid. 4 notches in W edges

3rd Auxiliary Meridian
Chairs

and raised a mound of
stone alongside. Pts
impracticable.
Surface Level
Soil. 3rd rule
Dense sage Brush

North at sec 19^{and} 24
W 13:46' E

3,00 Arroyo 30ft deep 100 lks
wide. Co N.E.

40,00 Set a limestone 137878 in
10 ris in the ground for
1/4 sec cor marked 1/4 in
W face and raised a
mound of stone alongside.
Pts impracticable.

7336. (Same)
1/2 Cañon 50 ft deep 4,00
Chairs. wide Co N.W.
(Same Cañon)

East through J. 1920. W. R. 17^{and} 13^E,
chain

80.00 Set a lime stone 18+8+7
in 12 ins in the ground
for the cor to see's 13/18
19^{and} 24, marked with
8 notches on N + S edges and
raised a mound of stone
along side. ~~It is impractical to see~~
Surface Rolling
Soil. 3rd sale
Dense sags Brush

North lot see's 13^{and} 18
Pa 13° 46' E

40.00 Set a lime stone, 12 x 10 x 6 ins., 8 ins.
in the ground for $\frac{1}{2}$ See, Cor, marked $\frac{1}{2}$. on W
face, dug pits 18 x 18 x 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. on side.

50.00 Set a lime stone 20+12+3 in.

3rd Auxiliary Meridian Chain

15' ins in the ground for
the cor trees 7, 12, 13-18
marked with 2 notches on
N & 4 notches on S edges
and raised a mound of
stone alongside. Pits
impracticable.

Surface level

Soil. 3rd rate

Dense sage brush

North trees 7th 12

Pa 13° 46' E

40.00 Set a limestone 30 + 10 + 7 ins
20 ins in the ground for
1/4 sec cor marked 14 on W
face. and raised a mound
of stone alongside. Pits
impracticable.

East Through 1971. W. R. H. ^{Aug 13} E

Obs

43.41 Same Canon 100 ft deep
400 chains wide Co East
80.00 Set a limestone 16+12+5
11 ins in the ground for the
cor to see's 1, 6, 7 ^{and} 12, marked
with 6 notches on S and 1
notch on N edges, and
raised a mound of stone
along side. Pilomphactis
Surface Broken
Soil. ^{to} rate,
Dense sage Brush,

North at see's 1 ^{and} 6.

Jan 13:42 E

40.00 Set a limestone 16+12+6 in
11 ins in the ground for 14
see cor marked 14 on N face
and raised a mound of stone

3rd Auxiliary Meridian Batt. through

Tps 19 N. R. 12 W. 13 East

Chains along side. Pile impracticable

68.90 Arroyo 20 ft deep 8 lbs miss
to N.E.

80.00 Set a lime stone 1841046

12 ins in the ground
for the cor to Tps 19 W. 20 N.

R. 12 W. 13 East, marked
with 6 notches on each

edge. and raised a mound

of stone along side. Pile
impracticable.

Surface Rolling
Soil. 3rd mile

Sage brush & grass.

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

J. B. McLaughlin

Aug 1st 1883

3rd Auxiliary Meridian East, through
Tps 30 N. R. 12^W 13 East

Chains

From the cor to Tps 19^W 20 N.
R. 12^W 13 East, just set
by me. *Draw.*

North it sees 31^W 36

to 13^W 46 East

.20

Enter sharp bend ^{same} of cañon
from S. E. 60 ft deep. bends
to N. E.

12.65

Leave cañon, about 3
chains wide. to N. E.

80.00

Limestone 18 + 12 + 6 ins 12
ins in the ground for 14
see cor marked 1/4 on W
face and raised a mound
of stone alongside. It's
impracticable.

80.00

Deposited a marked stone 12 ins. in the
ground for Cor. to Secs. 25-30-31^W 36 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
over it. In S. E. pit drove a stake 2 ins. sq. 2

3rd Auxiliary Meridian East

Chains

ft. long 12 ins. in the ground marked T 20 N.
 S. 30 on N.E. R. 138 S. 31 on S.E. S. 26
 on S.W. and S. 25- on N.W. faces. with
 1 notch on S. and 5 notches
 on Wedges.

Surface Rolling
 Soil, 3rd rate.
 Sage brush and grass

North lot sees 25 Aug 30
 Va 13° 46' East.

40,00

Deposited a marked stone 12 ins. in the
 ground for $\frac{1}{4}$ Sec. Cor. dug pits 18 x 18 x 12 ins.
 N and S of stone $5\frac{1}{2}$ feet dist. and raised
 a mound of earth $1\frac{1}{2}$ ft. high $3\frac{1}{2}$ ft. base over
 it. In N pit drove a stake 2 ft. long 2 ins.
 sq. 12 ins. in the ground marked $\frac{1}{4}$ S. on N
 face.

though, ^{bet-} T. 20 N., R. 12 ^{Aug 13 East}

Chavis
80.00

Deposited a marked stone 12 ins. in the ground for Cor. to Secs 19, 24, 25-50 dug pits 18 x 18 x 12 ins. in each Sec. 5 1/4 ft. dist. and raised a mound of earth 2 ft. high 4 1/2 ft. base over it. In S. E. pit drove a stake 2 ins. sq. 2 ft. long 12 ins. in the ground marked T. 20 N. S. 19 on N. E., R. 13 S. 30 on S. E. R. 12 S. 25 on S. W. and S. 24 on N. W. faces, with 2 notches on S. and 4 notches on Nedges.

Surface level,
Soil - 2nd rate.
Good grass

North bet sees 19 ^{Aug 24}
^{Ed 13. 46 18}

40.00

Deposited a marked stone 12 ins. in the ground for 1/4 Sec. Cor. dug pits 18 x 18 x 12 ins. N and S of stone 5 1/4 feet dist. and raised a mound of earth 1 1/2 ft. high 3 1/2 ft. base over it. In N pit drove a stake 2 ft. long 2 ins. sq. 12 ins. in the ground marked 1/4 S. on W face

3rd Auxiliary Meridian East

Chains

80.00

Deposited a marked stone 12 ins. in the ground for Cor. to Secs 18, 19, 19th & 24th 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 over it. In S. E. pit drove a stake 2 ins. sq. 2 ft. long 12 ins. in the ground marked T. 20 N S. 18 on N. E. R. 18 S. 19 on S. E. R. 26 S. 24 on S. W. and S. 13 on N. W. faces, with 3 notch 10 on S. and 3 notch 20 on N. Edges.

Surface Level
 Soil. 8th. rate.
 Some grass

North to Secs 13 and 18
 Pa 13°. 45' E

40.00

Deposited a marked stone 12 ins. in the ground for 1/2 Sec. Cor. dug pits 18 x 18 x 12 ins. N and S of stone 5 1/2 feet dist. and raised a mound of earth 1 1/2 ft. high 3 1/2 ft. base over it. In N pit drove a stake 2 ft. long 2 ins. sq. 12 ins. in the ground marked 1/2 S. on N. base

through T. 20 N. R. 12 ^{Quo} 13 East.
 chain

73.67
 80.00

Road bears E and W

Deposited a marked stone 12 ins. in the ground for Cor to Secs. 7-12-13²/₄-18, dug pits 15 x 15 x 12 ins. in each Sec. 5 1/4 ft. dist. and raised a mound of earth 2 ft. high 4 1/2 ft. base over it. In S-E pit drove a stake 2 ins. sq. 2 ft. long 12 ins. in the ground marked T. 20 N S. 7 on N.E. R. 13 S. 18 on S.E. R. 12 E. S. 13 on S.W. and S. 12 on N.W. faces, with 4 notches on S. and 2 notches on Nedges.

Surface Rolling ^{and Rocky.}

Soil. 3rd rate.

Some grass.

North lot sees 7⁴/₄ 12

Qu 13° 45' E.

(Cover)

3rd Auxiliary Meridian East
Chains.

- 40.00 Deposited a marked stone 12 ins. in the ground for $\frac{1}{4}$ Sec. Cor. dug pits 18 x 18 x 12 ins. N and S of stone $5\frac{1}{2}$ feet dist. and raised a mound of earth $1\frac{1}{2}$ ft. high $3\frac{1}{2}$ ft. base over it. In N pit drove a stake 2 ft. long 2 ins. sq. 12 ins. in the ground marked $\frac{1}{4}$ S. on N. face.
- 71.35 Atlantic & Pacific R.R.
Tangent, bears N $61^{\circ} 26' W$.
and S. $61^{\circ} 26' E$.
- 80.00 Set a limestone 16 + 10 + 4 ins. 11 ins in the ground for the cor to sec 1.6. 7th 12. marked with 6 notches on S. and 1 notch on N. edges. dug pits 18 + 18 + 12 ins. in each sec $5\frac{1}{2}$ ft dist and raised a mound of earth 2 ft high. $4\frac{1}{2}$ ft base along rd surface. Level Soil, 2nd rate. Good grazing.

through T. 20. N. R. 5 12nd 13 East,
chain

North lot see's 1st and 6
Ta 13° 46' E.

40.00 Set a Limestone 18+12+6 in
12 in in the ground for 1/4
see cor marked 14 on W.
face and raised a mound
of stone alongside. This impractical

80.00 Set a temporary boring
for blowing cor. to T. 20.
N. R. 5. 12nd 13 East.

Note. For notes describing attached
cor. see Book No. 1248

Surface Level.

Soil, 3rd rate.

Dense. Sage Brush.

Aug 2nd 1883