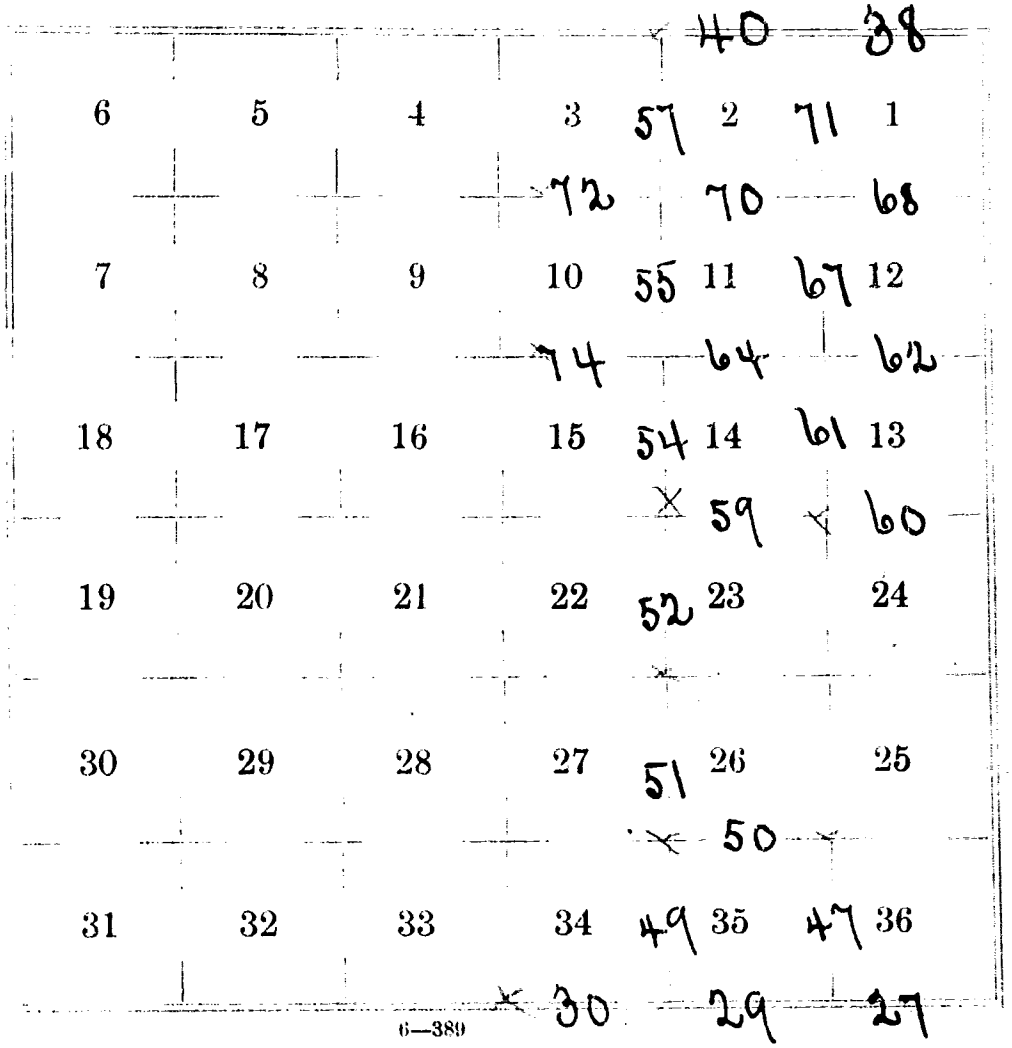
BOOK-A-233

(4—674.)

Township 25 S R. 2 W.

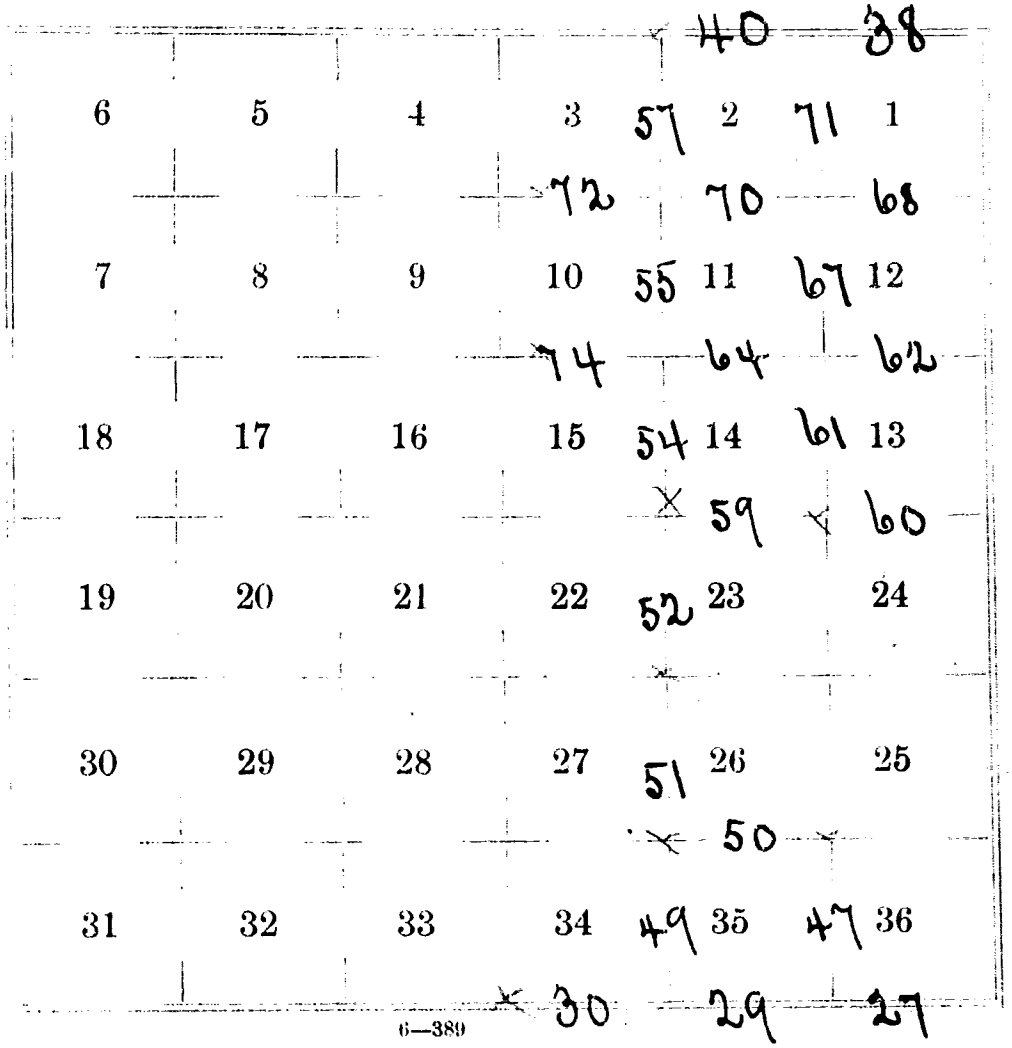


6—389

BOOK-A-233

(4—674.)

Township 25 S R. 2 W.



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Township 2

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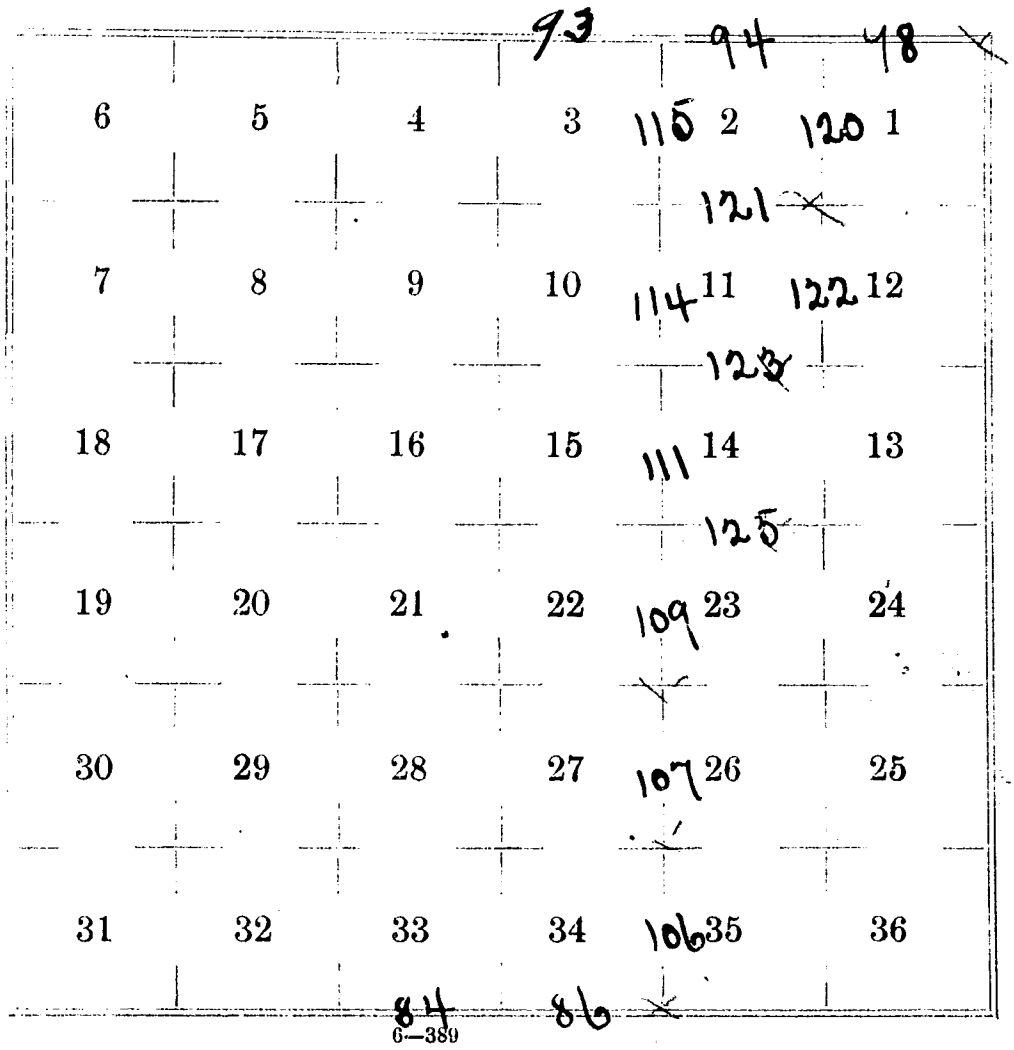
BOOK-A-233

(4—674.)

Township 25 S R. 3 W.



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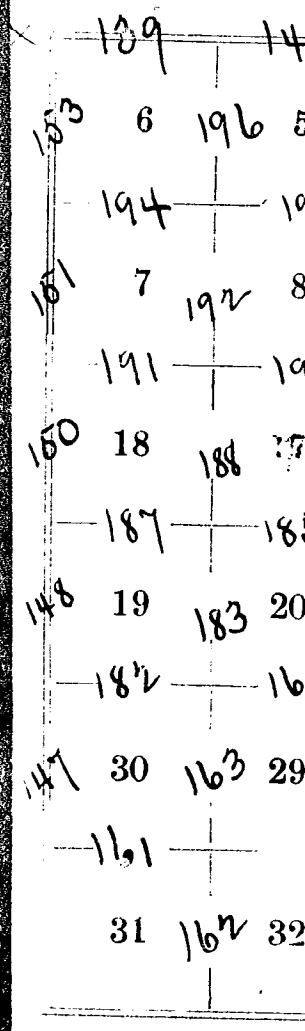
Township



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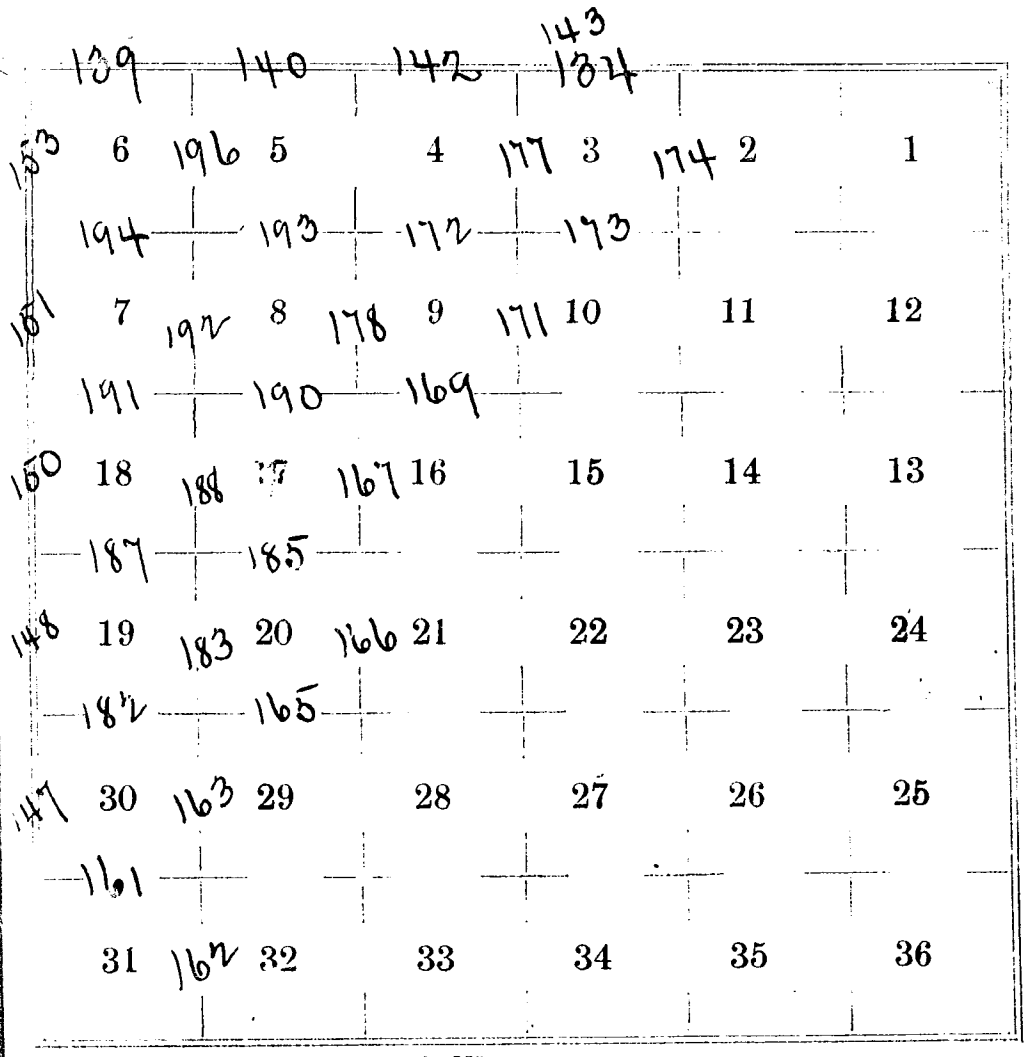
BOOK-A-233

(4—674.)

Township 25 S **R.** 4 W.



6—389

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Township 29

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Boundary

BOOK-A-233

(4—674.)

Township 29 S R. 5 W.

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6—389

Boundary W. & J. Reservation pgs. 210 to 239

wnship 29

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19 408 20

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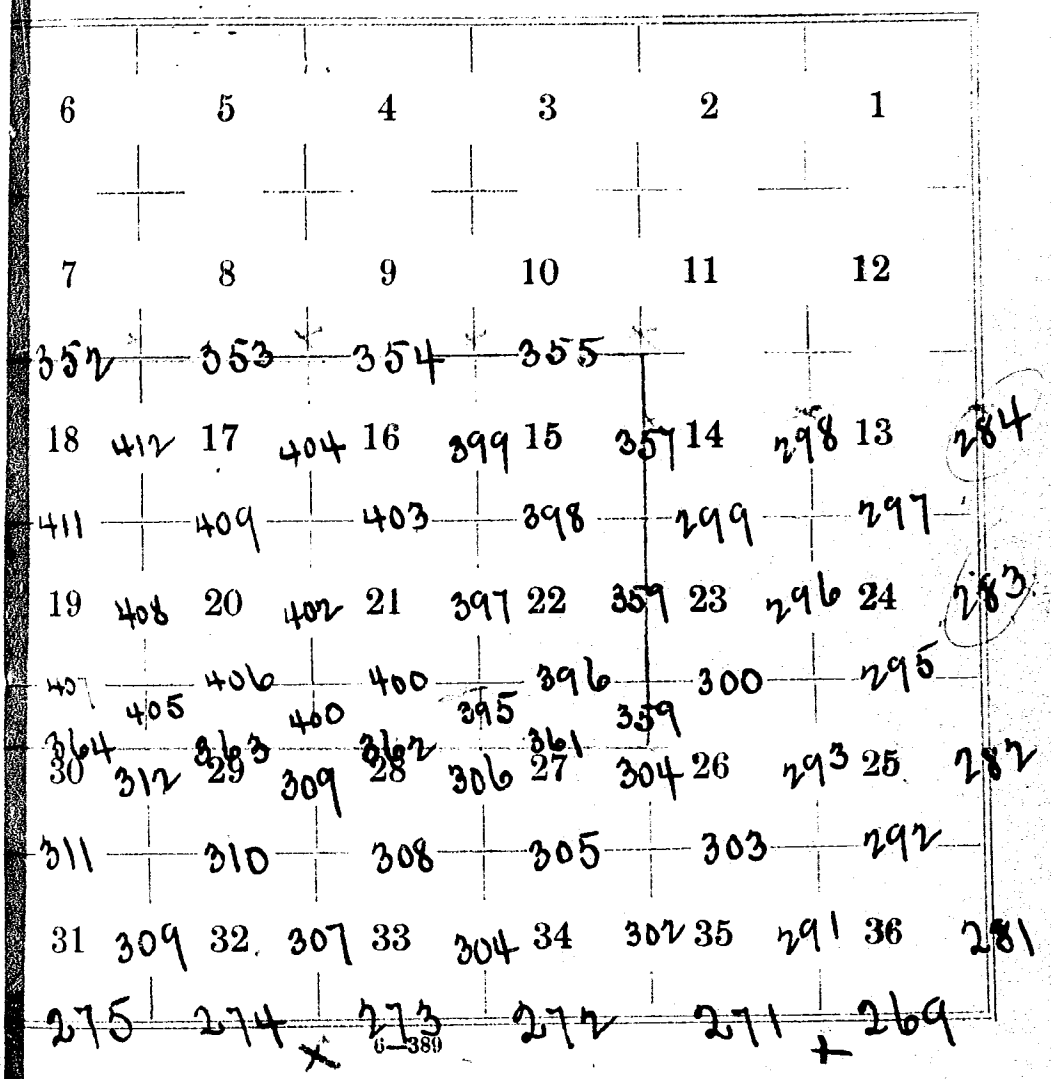
Boundary

pages 210

BOOK-A-233

(4—674.)

wnship 29 S R. 6 W.



Boundary Ft. Cameron W + J. Reservation

pages 210 to 239.

Township 2

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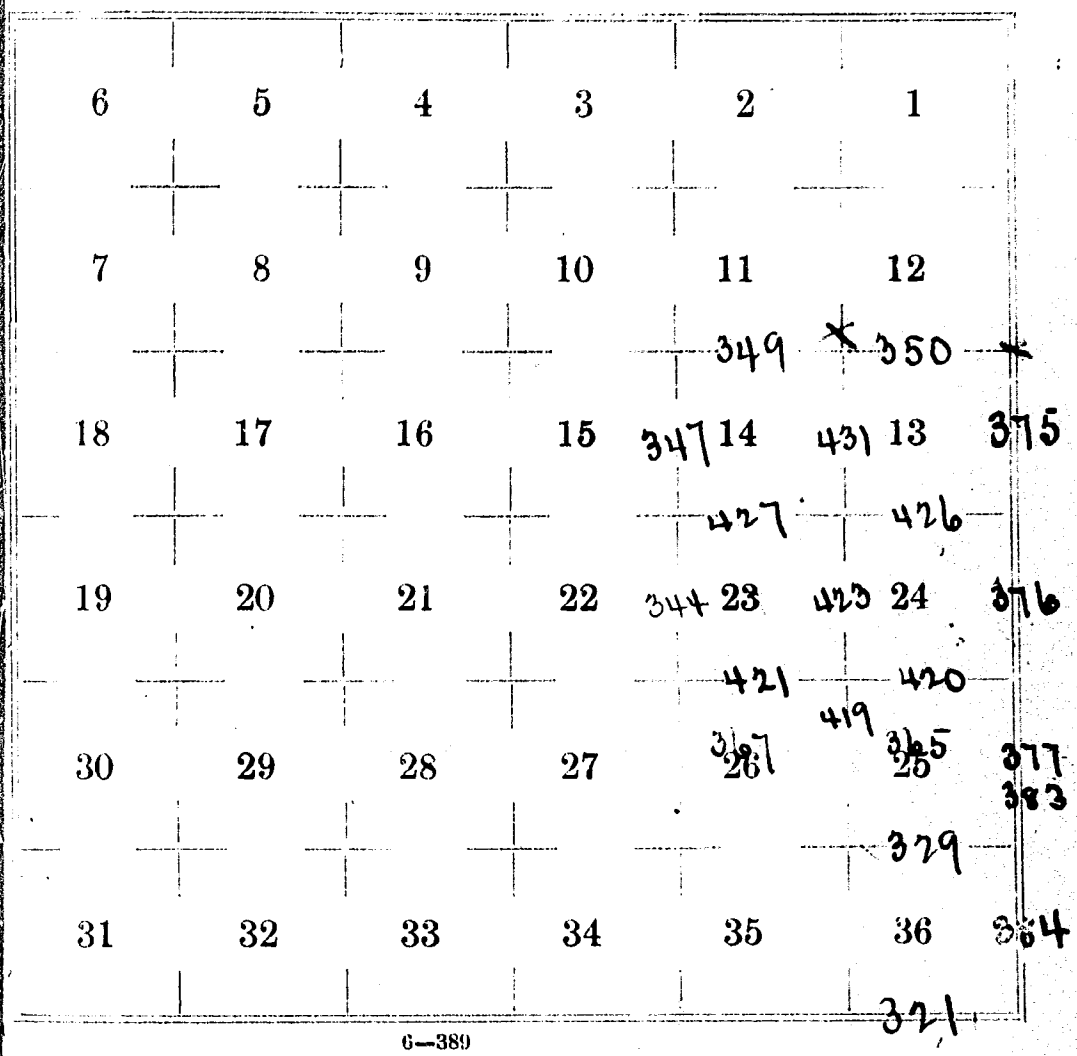
Boundary

pages 210 to

BOOK-A-233

(4—674.)

Township 29 S R. 7 W.



6—389

Boundary Ft. Cameron W. & J. Reservation

pages 210 to 239

Township

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BOOK A 235

(4—674.)

Township 30 S R. 7 W.

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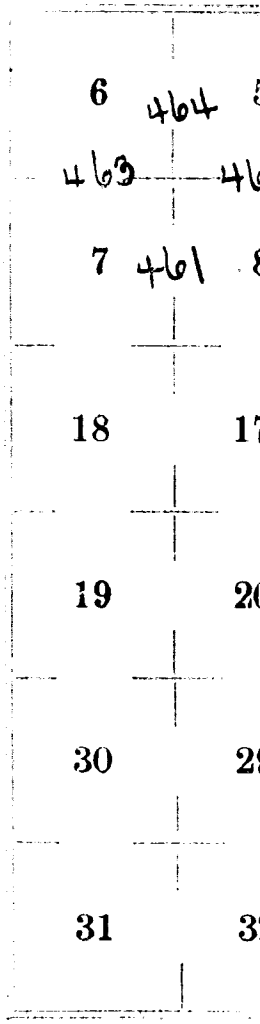
Township



BOOK-A-233

(4—674.)

Township 30 S R. 6 W.

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7 461	8 459	9 456	10 453	11 451	12
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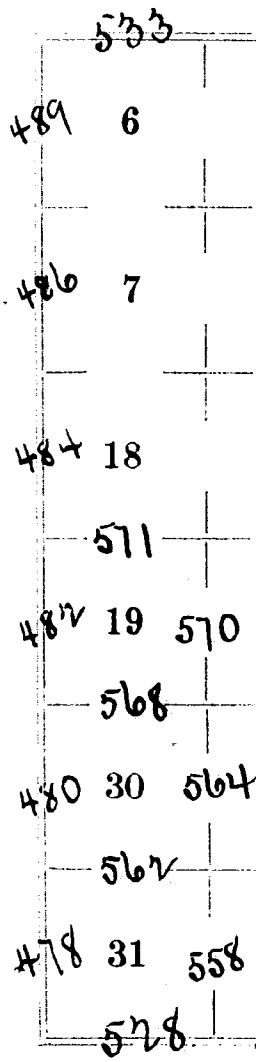
(—389

Township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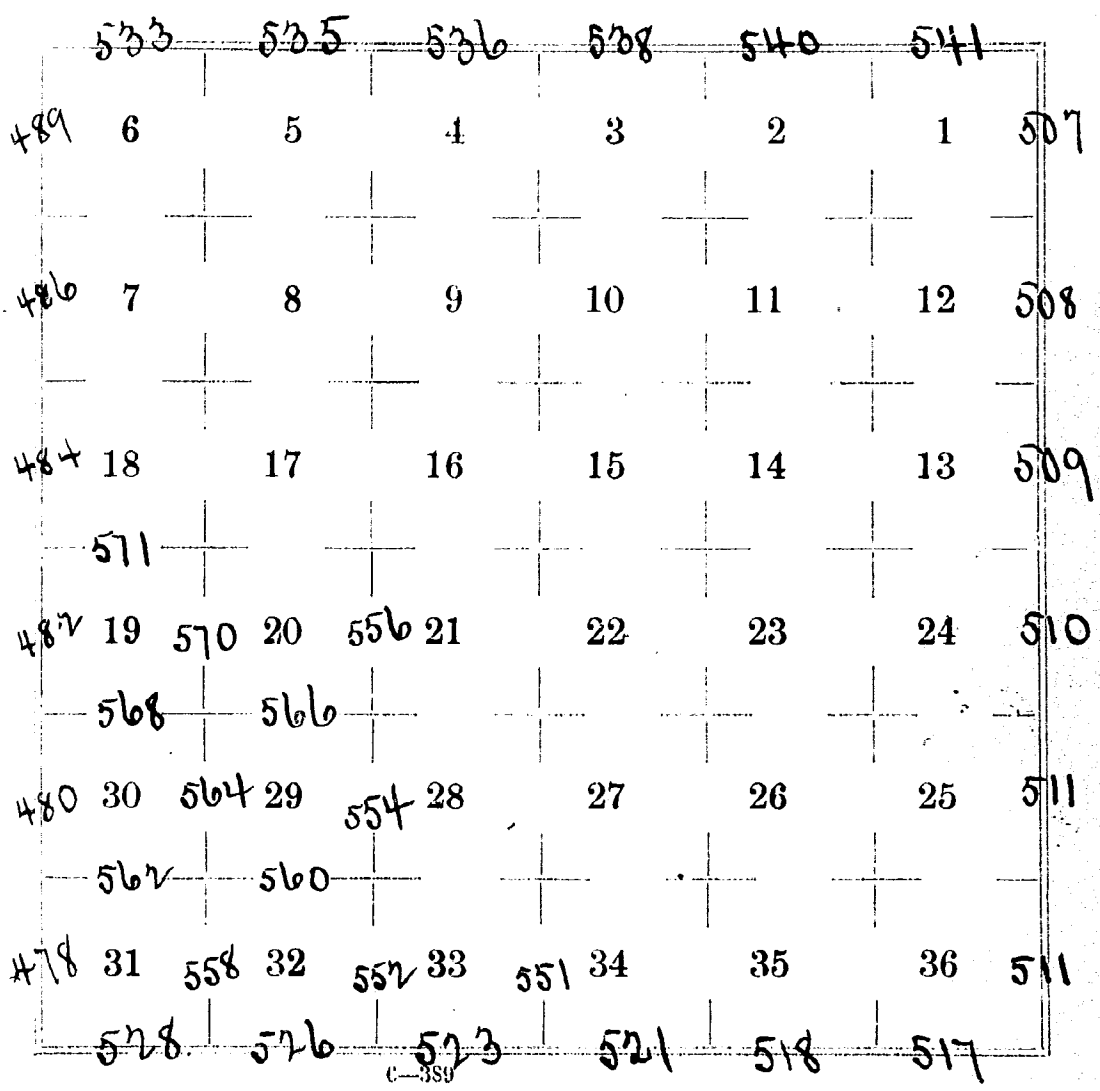
(4—674.)

Township 38 S R. 8 W



C—389

Township

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BOOK-A-233

(4—674.)

Township R.

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C—389

Township

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(4—674.)

Township R.

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Township

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(4—674.)

Township R.

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REPORT:

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Township

Range No.

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Survey Co

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BOOK-A-233 ✓
February 25, 1892 25

REPORT:
Filed February 25th 1892
Examined by [illegible]
Transcribed by Henry A. McAllister
Compared by Campe & Wm H. Moore

FIELD NOTES
OF THE SURVEY OF THE

Fifth Standard Parallel South
through

OF

Township No. 25 South,
Range No. 2 West

OF THE

SALT LAKE BASE AND MERIDIAN

IN

UTAH TERRITORY,

AS SURVEYED BY

Andrew P. Hanson

U. S. Deputy Surveyor,

Under his Contract No. 178

Dated June 27th 1891
Survey Commenced September 24th 1891
Survey Completed " 25th 1891

H 2-28-70 ✓
L 0-51-30 ✓

NAMES AND DUTIES OF ASSISTANTS.

	Compassman.
R H Barney	*Chainman.*
Elias Gardner	*Chainman.*
W L Burr	*Chainman.*
Jacob E Cloward	*Chainman.*
Joshua Gardner	*Axeman.*
D Meacham	*Axeman.*
Samuel Meacham	*Flagman.*

BOOK-A-233

Fifth Standard Parallel South through range 2 West

Chains. Survey commenced September 24th 1891 with a W & L E Gurley light mountain transit with solar attachment. -

At the standard corner to Townships 25 south ranges 1 and 2 West in latitude 38°36' N longitude 112° W at 2 p.m. September 24th 1891 I take a back-sight on south boundary of sec 31. T. 25 S. R 1. W. as previously run; and find its magnetic bearing to be N. 73° 5' E. and the ~~and the~~ magnetic variation is 16° 55' E. - The mean Variation is 16°58'E.

From the standard corner to Townships 25 S ranges 1 and 2 W.

I run

West on south boundary sec. 36

(Va 16° 55' E

7.00 Enter timber, and descend

40.00 Set a trachyte stone 18 x 12 x 10 in. 12 in in the ground for standard 1/4 sec. cor. marked S.C., 1/4 on

Fifth Standard Parallel south through R. 2 W.

Chains N face: raised a mound of stones 1½ ft. high 2 ft. base alongside Pits impracticable. –

A pine tree 14 in. diam. bears N 28° W. 12 lks. dist. marked S.C. ¼ S.B.T.

A pine tree 10 in. diam bears N 57° W 18 lks dist. marked S.C. ¼ S.B.T.

80.00 Set a trachyte rock 18 x 11 x 7 in. 12 in. in the ground for Standard Cor. to secs. 35 and 36 marked S.C. with 1 notch on east and 5 notches on west edges: raised a mound of stones 2 ft high. 3 ft base alongside Pits impracticable. –

A pine tree 18 in. diam bears N. 44° E. 30 lks. dist. marked T 25 S R 2 W S. 36 B T.

A pine tree 10 in. diam. bears N 38° W 8 lks. dist. marked T 25 S R 2 W. S. 35 B.T.

A pine tree 8 in diam bears S 27° W 15 lks dist. marked T 26 S R 2 W. S 2 B.T.

Land high mountains. 80 chs.

Fifth Standard Parallel South through R 2 W.

Chains Soil gravely and rocky 3rd rate
Timber pine and spruce of excellent quality - -

September 24th 1891

At 7 a.m. September 25th the variation is 17° 1' E (obtained by backsight).
West on S. boundary sec. 35
Va 17° 1' E
Descend through timber
31.00 Leave timber, enter meadow
38.50 Stream 1 ft wide 2 in. deep runs S
40.00 Set a trachyte rock 18 x 12 x 6 in. 12 in in the ground for Standard 1/4 sec cor. marked S.C., 14 on N. face; raised a mound of stones 2 ft. high 3 ft. base along side covered with earth. -
Thence over gently rolling surface
80.00 Set a trachyte boulder 22 x 13 x 8 in. 6 in. in the ground for Standard Cor. to secs. 34 and 35 marked S.C. with 2 notches on E and 4

Fifth Standard Parallel South through R. 2 W.

Chains notches on W. edges! raised a mound of stones 2 ft high 3 ft. base along side. Pits impracticable
Land high mountains rolling 31 chains
Soil gravely, and loam in meadow 2d and 3d rate
Timber pine and aspen of small size 31 chs. —

At 10 a.m. September 25th 91 diurnal change has diminished the variation 2'
West on S boundary Sec. 34
Va 16°59'E

0.09 Road from Monroe to Doxfords sow mill course N 22° W.

2.30 Enter timber and ascend on slope facing N.

30.00 Leave timber, descend

32.95 Creek 7 lks. wide 10 in. deep course S 60° W in narrow gulch (this is Monroe creek and close to head of Monroe Canon).
Ascend

Fifth Standard Parallel South through R. 2 W.

Chains

40.00 Set a trachytic boulder 22 x 16 x 12 inc. 16 inc. in the ground for Standard 1/4 sec. cor. marked S.C., 1/4 on N. face: raised a mound of stones 1½ ft. high 2 ft base alongside. Pits impracticable.

43.00 Enter timber

59.00 Top of ridge course S.W., descend

72.40 Dry channel 3 lks. wide in bottom of ravine about 450 ft deep. Ascend

80.00 Set a trachytic rock 16 x 13 x 9 inc. 11 inc. in the ground for Standard Cor. to secs. 33 and 34 marked S.C. with 3 notches on E and W. edges: raised a mound of stones 1½ ft. high 2 ft. base alongside Pits impracticable. —

Land high mountains very broken

77.70 Chs

Soil gravely and rocky of 4th rate

Timber: aspen and scattering pine of small growth, much large fallen. —

Fifth Standard Parallel South through R. 2 W.

Chains Note. This line further west is impracticable and could not be measured by ordinary means on account of enormous canons and precipices hence I abandon it here. —

September 25th 1891 (1 p.m.)

General Description

This line commences on top of the main range of the Sevier mountains, descending gradually down the western slope of same. The township on each side are very rough, broken, and of a mean altitude of about 9000 ft. but contain some pine and spruce timber of fair quality and a few springs and streams of excellent water. —

Andrew P. Hanson
U.S. Dep. Surveyor

BOOK A-233

U. S. SURVEYOR GENERAL'S OFFICE,

Salt Lake City, Utah, June 30th 1892

The foregoing field notes of the survey of the Fifth Standard Parallel South

Township No. 25 South *Range No.* 2 West

Salt Lake Base and Meridian, Utah,

Executed by Andrew J. Hansen

U. S. Deputy Surveyor,

Under Contract No. 178 *of the* 2nd

day of June *18*91*, having been critically examined, the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.*

Ellsworth Daggett

U. S. Surveyor General for Utah.

BOOK A 23

REPORT:

Filed Febru

Examined by

Transcribed by

Compared by

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OF THE

North Bou

Township No. 2

Range No. 2 W

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BOOK-A-233 ✓

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REPORT:

Filed February 25th 1892

Examined by John H. Campe

Transcribed by Henry R. McKinnon

Compared by Campe & Wm. H. Moore

FIELD NOTES

OF THE SURVEY OF THE

North Boundary

OF

Township No. 25 South

Range No. 2 West

OF THE

SALT LAKE BASE AND MERIDIAN

IN

UTAH TERRITORY,

AS SURVEYED BY

Andrew P Hanson

U. S. Deputy Surveyor,

Under his Contract No. 178

Dated June 27th 1891

Survey Commenced October 3d 1891

Survey Completed " 4th 1891

H 2-00-00 ✓

NAMES AND DUTIES OF ASSISTANTS.

	Compassman.
✓ R H Barney	*Chainman.*
✓ Elias Gardener	*Chainman.*
	Chainman.
	Chainman.
✓ Joshua Gardener	*Axeman.*
✓ A Meacham	*Axeman.*
✓ Samuel Meacham	*Flagman.*

North Boundary T. 25 S. R 2 W. -

Chains Survey commenced October 3d 1891 with a W & L E Gurley light mountain transit with Burt solar attachment. -
As the west boundary of this township can not be run and but a fractional part of the north boundary hence I go to the established corner of townships 24 and 25 S ranges 1 and 2 west and at 3h 45m p.m. October 3d 1891 take an observation on the sun with Burt solar attachment to my transit which I have previously tested on a line established by an observation on Polaris and found correct. -
And which shows the magnetic variation to be 16° 57' E. which making allowance for diurnal change as per table in manual gives mean variation 16° 53' E

I begin at the established corner to

North Boundary T. 25 S. R. 2 W.

Chains Tp. 24 and 25 S Rs 1 and 2 W.
which is a trachyte rock 16 x 12 x 7
ins. above ground marked with
6 notches on each edge; a mound
of stones alongside 2 ft high 3 ft
base. –
Thence Down
West on this line bet. Secs.
1 and 36
Va. 16°57 E
Ascend through heavy timber
~~timber~~ broken surface
12.00 Top of ridge V and S
Descend
18.50 Morain bowlders in bottom of draw
24.00 Across same.
Ascend through timber
40.00 Set a trachyte rock 18 x 12 x 8 ins
12 ins. in ground for 1/4 Sec.
Cor. marked 1/4 on N. face!
raised a mound of stones 1½ ft
high 2 ft. base along side. –
Pits impracticable. –
43.00 Bank of "Deep Canon" drain N.

North Bo

Chains Descen
56.60 Strea
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80.00 Set
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North Boundary T. 25 S. R. 2 W.

Chains Ascend side of Canon through timber
56.00 Stream in bottom of Canon 3 lks
wide 5 in deep flows N.
About 8 lks. below bank of canon
Ascend. through timber
70.00 West bank of Canon enter rolling tableland
80.00 Set a trachyte rock 18 x 10 x 9 ins.
12 ins. in the ground for cor.
to secs. 1-2-35 and 36 marked
with 1 notch on E and 5 notches
on W edge: raised a mound
of stones 1½ ft high 2 ft base
Alongside. Pits impracticable.
An aspen tree 8 in diam. bears
N 24° W 12 lks marked T 24 S R 2
W. S. 35 B.T.
An Aspen tree 9 in diam bears S 18° W. 27 lks.
marked T. 25 S. R. 2 W. S 2 B.T.
Land high mountains, 80 chs.
soil rocky 4th rate
Timber Aspen and scattering
pine. 80 chs.

October 3d, 1891.

North Boundary T. 25 S. R. 2 W.

Chains At 7.30 a.m. October 4th the variation has increased 4' by diurnal change. West on true line bet. Secs. 2 and 35

Va. 17°1' E

over rolling table land

2.00 Leave Aspen timber

38.30 Corral, 100 ft. diam 50 ft. north of line

40.00 set a trachyte rock 20 x 12 x 6 in. 14 in in the ground for 1/4 sec, cor. marked 1/4 on N face: raised a mound of stones 1½ ft high 2 ft. base alongside. - Pits impracticable (From here the buildings of "Bunker Springs" ranch the claim of Al. Bunker bears S 49° W 12 chs: located in the edge of the timber and consists of 2 Loghouses and a stock - corral about 150 ft diam The Spring (from which the place takes its name) is 12 lks diam. of clear cold water and inclosed by a Loghouse. - No stream emerges from it. -

North Boundary T25SR2W

Chains This place is used as a summer dairy ranch but was deserted at this time.—)

41.60 Road from Annabella to Bunker, Hor ranch V. and S.

43.80 Enter aspen and pine timber

80.00 Set a trachyte rock 24x20x14 in 3/4 in the ground for Cor to secs. 2-3-34 and 35 marked with 2 notches on E and 4 notches on W. edges; raised a mound of stones 1½ ft high 2 ft base alongside. Pits impracticable At the head of Maple Canon.

(The ground west of here breaks away in enormous cliffs and precipices towards the Sevier Valley which is about 4000 ft. below this point; hence I abandone this line as impracticable)

Land high mountains 80 chs.

Soil gravely 3d rate

Timber Aspen and a few pine

October 4th, 1891. 10 a.m.

General Description

This township is located in the highest portion of the Sevier Mountains no part of it is fit for cultivation. but the north-western corner of the township contains a few springs and small stream and has been taken up for summer stock-ranches. — It contains much timber mostly of the aspen and pine species some of which is fit for milling purposes

The north-eastern portion of this township should be subdivided

Andrew P Hanson
U.S Deputy Surveyor

BOOK-A-235

U. S. SURVEYOR GENERAL'S OFFICE,

Salt Lake City, Utah, June 30th, 1891

The foregoing field notes of the survey of the North boundary

Township No. 25 South *Range No.* 2 West

Salt Lake Base and Meridian, Utah,

Executed by Andrew P. Hanson,

U. S. Deputy Surveyor,

Under Contract No. 178 *of the* 27th

day of June *18*91*, having been critically examined, the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.*

Ellsworth Daggett

U. S. Surveyor General for Utah.

BOOK- A

REPORT:

Filed Oct

Examined by

Transcribed b

Compared by

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OF THE

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Township No

Range No. 2

SALT L

6 *Under*

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BOOK-A-233 ✓ 45

REPORT:

Filed February 25th 1892

Examined by John H. Campe.

Transcribed by Henry R. McIlwinon

Compared by Campe & Wm. H. Moore.

FIELD NOTES

OF THE SURVEY OF THE

Subdivisions

OF

Township No. 25 South

Range No. 2 West

OF THE

SALT LAKE BASE AND MERIDIAN

IN

UTAH TERRITORY,

AS SURVEYED BY

Andrew P. Hanson

U. S. Deputy Surveyor,

6 Under his Contract No. 178

Dated June 27th 1891

Survey Commenced October 4th 1891

Survey Completed " 7th 1891

H 17-55-74 ✓

L 0-23-80 ✓

NAMES AND DUTIES OF ASSISTANTS.

	Compassman.
✓ R H Barney	*Chainman.*
✓ Elias Gardener	*Chainman.*
	Chainman.
	Chainman.
✓ Joshua Gardener	*Axeman.*
✓ A Meacham	*Axeman.*
✓ Samuel Meacham	*Flagman.*

BOOK-A-233

Subdivision T.25 S. R.2 W.

Chain Survey Commenced October 4th 1891
with a W & L E Gurley light mountain transit with Burt's solar attachment. -
At the standard corner to secs. 35 and 36 on south boundary of township 25 South range 2 West At 1 p.m October 4th I take a back-sight on south boundary Secs. 36 and lay off a right angle to the north which gives the true meridian and the magnetic bearing is 16°54' W.- The mean variation is 16°58' E;- thence
I run
North bet. secs. 35 and 36
Va 16°54' E
Descend gradually through timber
40.00 Set a trachyte rock 18X9X8 in. 12 ins. in the ground for 1/4 sec. cor. marked 1/4 on N. face: raised a mound of stone 1½ ft. high 2 ft. base alongside. Pits impracticable
45.50 Leave timber

Subdivisions T.25 S. R. 2 W.

Chains

50.75 Stream 2 lks. wide course S W ascend on slope facing W

52.40 Enter timber

63.00 Ascent becomes steep

80.00 Set a trachytic rock 21 x 14 x 8 inc. 15 inc in the ground for cor. to secs. 25-26-35-36 marked with 1 notch on S. and E. edges! raised a mound of stones 1½ ft. high 2 ft. base along side Pits impracticable. -

Land high broken mountainous 80 chs.
Soil gravely and rocky 3rd rate
Timber Aspen and pine of small size mostly. -

This line north ascends very rapidly and would strike the foot of main range in about ½ mile or less. - I abandon it as impracticable. -

---

From the Standard Cor. to secs. 34 and 35 on south boundary township 25 S. R. 2 W. I take a back-sight on S. boundary

Subdivision T. 25 S R. 2 W.

Chains

sec. 35 and lay off a right angle to the north which gives the true meridian and its magnetic bearing at 3 p.m. October 4 is N 16°56' W
From this point the ranch buildings (2 log cabins) of H O Magleby and Son (applicants for survey of this township) bear S 59° E 13 chs. dist. -

Thence
Run
North bet. secs. 34 and 35
Va. 16°56' E

Descend gradually over broken surface
17.96 Mill ditch 5 lks. wide course W.
Doxford's Sawmill bears W. 3 chs. dist.
Descend steep bank
20.40 Monroe creek 7 lks. wide 8 in. deep course W.
21.50 ascend
23.00 Enter timber, and cross point of ridge sloping SE
40.00 Set a trachyte 24x16x16 in. 18 in in the ground for 1/4 sec. cor marked 1/4 on W. face: raised a mound of stones 1½ ft high 2 ft. base along side. Pits impracticable. -

Subdivision T. 25 S. R. 2 W.

chains

65.10 stream 5 lks wide 6 in deep course S.E

80.00 Set a trachyte rock 16 x 14 x 10 in 11 in in the ground for cor. to secs. 26-27 34 and 35 marked with 1 notch on S and 2 notches on E edge I raised a mound of stones 1½ ft high 2 ft base alongside. Pits impracticable. -

Land high rolling Mountains

Soil gravely and rocky 3d rate

Timber Aspen and scattering pine of small growth and no commercial value. -

---

East on a random line bet secs. 26 and 35

Va 16°56' E

40.00 set temporary ¼ sec. cor.

80.00 Intersect northand south line 10 links south of cor. to secs. 25-26-35 and 36

Thence I run

S 89°56' W on a true line bet. secs 26 and 35 same Va.

Through timber on slope facing S.

40.00 Set a trachyte rock 18 x 9 x 7 in. 12 in

Subdivision T. 25 S. R. 2 W.

Chains in the ground for 1/4 sec. cor. marked 1/4 on N. face 1 raised a mound of stones 1½ ft high 2 ft base along side Pits impracticable. -
an aspen tree 6 in. diam bears N 17° E 12 lks dist marked 1/4 S. B T
an aspen tree 7 in diam bears S 44° W 16 lks dist marked 1/4 S. B. T.
78.30 Stream 2 lks. wide course S.E.
80.00 The cor to secs. 26-27-34 and 35
Land high mountains on 80.00 chains
soil gravely 3d rate
Timber Aspen and scattering pine of small size 8 ochs; of no commercial value. —

October 4th 1891

At 7 am October 5th the variation is 17° 1' E (obtained by back-sight)
I run
North bet. secs. 26 and 27
Va 17° 1' E
Ascend gradually through timber
1.50 stream 2 lks wide course S.E.

Subdivision T. 25 S. R. 2 W.

Chains

40.00 Set a trachyte rock 15 x 11 x 9 in. 10 in. in the ground for 1/4 sec. cor. marked 1/4 on W. face: raised a mound of stones 1½ ft. high 2 ft. base along side. Pits impracticable. -

67.00 Foot of main ridge, ascend steep slope

78.00 Top of ridge about 2000 ft. above standard cor. to secs. 34 and 35, and about 10,000 ft. above sea level: course E and turning gradually N.W. & S.E.

Thence across nearly level ridge

80.00 Set a trachyte rock 30 x 12 x 10 in. 22 in. in the ground and mound of stones for cor to secs. 22-23-26 and 27 marked with 2 notches on S. and E. edges: raised a mound of stones 2 ft high 3 ft base along side. Pits impracticable. -

Land high broken mountains 80 chs

Soil rocky -

Timber Aspen and pine, scattering

North bet. secs. 22 and 23

Subdivisions T. 25 S. R. 2 W.

Chains Va 17°1' E

40.00 Edge of flat-top descend steep rocky slope

40.00 Set a trachyte rock 15 x 12 x 11 in. 10 in in the ground for 1/4 sec. cor marked 1/4 on W. face: raised a mound of stones 1½ ft high 2 ft. base along side. Pits impracticable.

A Pine tree 16 in diam. bears N 57° E 28 lks marked 1/4 S.B.T.

A Pine tree 20 in. diam bears S 16° E 37 lks dist. marked 1/4 S.B.T.

Descend through heavy pine timber

80.00 A pine tree 16 in. diam. which I blazed on N.S.E. and W. sides and marked. - T 25 S. S 14 on N.E.

" R. 2 W. S. 15 on N.W.

" S. 22 on S W

" and S. 23. on S E sides with 3 notches on S and 2 notches on E sides for cor. to sec 14-15-22 and 23: from which

A pine tree 16 in. diam bears N 40° W 9 lks. marked T. 25 S. R. 2 W. S. 15 B.T.

A pine tree 12 in diam. bears S 45° E 10 lks

Subdivision T. 25 S. R. 2 W.

Chains marked T. 25 S. R. 2 W. S. 23 B.T.
Land high Mountains 80 chs.
soil rocky and gravelly 4th rate
Timber heavy pine most the way
but scattering where soil is thin
and rocky; much dead and fallen tim

At 10 am. October 6 the magnetic
bearing of the line last run (bet. secs.
22 and 23) is S. 16° 59' E. due to
diurnal change. –
North bet. secs. 14 and 15
Va 16° 59' E
Descend. through pine timber
40.00 A permanent rock 3½ ft. high
3 ft. diam. which I marked ¼ on
W. side and + on top for 1/4 Sec.
Cor.: raised a mound of stones
1½ ft high 2 ft. base alongside
Pits impracticable. –
80.00 Set a trachyte rock 16 x 14 x 12 in
10 in in ground for Cor. to secs.
10-11-14 and 15 marked with 4
notches on S and 2 notches on

Subdivision T. 25 S. R. 2 W.

chains E. edge I raised a mound of stones 1½ ft. high 2 ft. base along side pits impracticable. —
A pine tree 12 in diam bears East 26 lks marked T. 25 S. R 2 W S. 11 B.T. on north side and T 25 S R 2 W S. 14 B.T. on south side
A pine tree 19 in diam bears N 30° E 30 lks. marked T. 25 S. R. 2 W. S. 11 B.T.
Land high mountains very rocky and broken soil
Soil 4th rate
Timber, pine and aspen 80 chs.

At 11 a.m. Oct. 9 diurnal change has diminished the variation 2' North bet. Secs. 10 and 11
Va 16° 57' E

25.70 Leave timber
26.50 Water edge - „Long Lake„ a pond or mire extends N W. about 1/2 mile and S.E. 9 chs. with an irregular width averaging 2 chs. water 6 in. deep or less. —

Subdivision T. 25 S. R. 2 W.

Chains	
27.80	North edge of water
	Cross low rocky morain ridge
30.80	Pond 1 ft. deep 1.60 Chs East and 3 Chs west from line
31.90	North edge of pond
	Ascend gradually
32.50	Enter aspen brake
39.50	Leave same
40.00	Set a trachyte rock 17 x 12 x 8 ins. 11 ins. in the ground for 1/4 Sec Cor. marked 1/4 on W face! raised a mound of stones 1½ ft high 2 ft. base alongside. - Pits impracticable. -
46.00	Enter aspen brake descend
49.50	Dry channel course N.E.
80.00	Set a trachyte rock 19 x 14 x 9 ins. 12 ins in the ground for cor. to secs. 2-3-10 and 11 marked with 5 notches on S and 2 notches on E edges raised a mound of stones 1½ ft high, 2 ft base alongside. - Pits impracticable. -
	Land high mountains, 80 chs.
	Soil rocky and sandy 2de and 3d rate

Subdivision T.25S.R.2W.

Chains Timber. Aspen and scattering pine

At 12 noon Oct. 5 Diurnal change has diminished the variation 4' North on a random line bet. Secs. 2 and 3 Va 16°53' E

40.00 Set temporary 1/4 sec. cor.

79.80 Intersect north boundary of township at corner to secs. 2-3-34 and 35 which is a trachyte rock. 20x14x7 in above ground marked with 2 notches on E and 4 notches on W edges! a mound of stones 1½ ft. high 2 ft base along side.- Thence I run S. on true line bet. Secs. 2 and 3 with same Va. Ascend through aspen and pine timber

35.30 Top of ridge E and W

39.80 Set a trachyte rock 24x12x5 in 18 in. in the ground for 1/4 sec. cor. marked 1/4 on W face! raised a mound of stones 1½ ft

Subdivision T. 25 S. R. 2 W.

chains high 2 ft base along side. Pits im-
-practicable. —
Enter open flat
63.60 Enter aspen brake
74.40 Leave same
79.20 Enter timber
79.80 The corner to secs. 2-3-10 and 11
Land high mountain, rolling
56.00 chs. nearly level 23.80 chs.
Soil gravely and sandy 2d rate
Timber aspen and scattering
pine. —

At corner to secs. 13-18-19 and
24 on east boundary of town-
ship: which is a trachyte rock
14 x 7 x 7 in. above ground marked
with 3 notches on N and S edges.
a mound of ~~f~~ stones 2 ft. high
3 ft. base alongside. - At 3 p.m.
October 5th 1891 I take an obser
vation on the sun with solar
attachment to my transit which
I have previously tested on a line
established by an observation of Polaris

Subdivision T. 25 S. R. 2 W.

Chains and found true. - The magnetic Variation is 16°56' E. which adding 2' for diurnal change as per table in manual gives a mean Variation of 16°58' E
Thence I run West on a random line with a variation of 16°56' E.; I set temporary half mile and mile corners and at 160 chains intersect the corner to secs. 14-13-22 and 23. - Thence I run
East on true line bet. Secs. 14 and 23. same Va.
Descend, Through pine timber ground broken rocky. -
28.00 stream 2 lks wide 2 in. deep dr. N
Ascend low ridge
40.00 On top of ridge N and S. Set a trachyte rock 16x11x10 in. 10 in. in ground for 1/4 sec. cor. marked 1/4 on N. face raised a mound of stones 2 ft. high 3 ft base alongside. - Pits impracticable. -
Descend

Subdivisions T. 25 S. R. 2 W.

Chains

56.08 Creek 3 lks wide 3 in. deep dir. NE

ascend, along north slope main ridge

60.00 cross ridge for spur from main ridge

80.00 A trachyte boulder flat on top 8x8x7 ft. above ground for Cor. to secs. 13-14-23 and 24 marked with 3 notches on S and 1 notch on E edges and cross (+) on top, a mound of stones 2 ft high 3 ft base on flat top of rock

Pits impracticable. –

Land high mountain on 80 chains

Soil rocky –

Timber pine 80 chs of commercial

Oct 5th, 1891.

At 8 a.m. October 6th 91 the variation is 17° 1' E, due to diurnal change,

East on line bet. Secs -

13 and 24

Va. 17° 1' E

Through timber - ravines and broken surface

40.00 Set a trachyte rock 19x12x7 in 12 in. in the ground for 1/4 sec. Cor. marked 1/4 on N face

Subdivision T.25 S.R.2 W.

Chains raised a mound of stones ~~along side~~ 1½ ft high 2 ft base alongside
Pits impracticable. --
80.00 The corner to secs. 13-18-19 and 24
Land high mountains on 80.00 chains
soil rocky and gravely
Timber pine and some aspen 80 chs

At the cor. to secs. 13-14-23 and 24 at 10 a.m Oct. 6th 1910 take an observation on the sun with solar attachment to my transit and find the variation has diminished 2', due to diurnal change. — Thence True North bet. Secs. 13 and 14
Va 16°59' E
Descend through timber
17.30 Circular pond, on line
19.50 North bank of same
40.00 Set a trachyte rock 18 x 15 x 7 ins. 12 ins. in ground for 1/4 sec. cor. marked 1/4 on W. face; raised a mound of stones 1½ ft high

Subdivision T. 25 S. R. 2 W.

Chains 2 ft. base alongside. Pits impracticable. —

A pine tree 10 in. diam. bears N 16° E 41 lks marked 1/4 S. B. T.

A Pine tree 15 in diam. bears S 54° E 28 lks " marked 1/4 S. B. T. —

80.00 A bowlder 6 ft. high 5 ft. diam. which I marked with 4 notches on S and 1 notch on E sides and a + (cross) on S. side to show the corner point, for Cor. to sec. 11-12-13 and 14: raised a mound of stones alongside 2 ft high 3 ft base. - Pits impracticable. —

Land high mountain on 81.00 chains
Soil gravely and rocky 4th rate
Timber pine and aspen 80 chs. of commercial value

East on random line bet. Sec. 12 and 13. —

N 16° 59' E

40.00 Set temporary 1/4 sec. cor.

80.00 Intersects east boundary of township

Subdivisions T.25 S.R.2 W.

Chains 18 links north of cor. to secs.
7-12-13 and 18 which is a trachyte
rock 16×9×6 ins, above ground
marked with 2 notches on N. and
4 notches on S edges; a mound
of stones 1½ ft high 2 ft base
alongside. - Thence I run
N89°52'W. on a true line bet Secs.
12 and 13, same Va
Ascend. through aspen timber
7.50 Leave timber
12.00 {Cabin & Corral bears N15°30'W 20 Chains (deserted ownership unknown)
Stream 2 lks wide 2 ins deep dr. N.W.
13.60 Wood. road N.W and S.E. - ascend
16.50 Enter timber, old deserted sawmill bears S14°E 35 Chs.
40.00 Set a trachyte rock 18×12×10 ins
12 ins in ground for 1/4 sec, cor.
marked 1/4 on N face; raised
a mound of stones 1½ ft high
2 ft. base alongside. - Pits
impracticable. -
A Pine tree 18 ins. diam. bears
N. 19°W. 8 lks. marked 1/4 S.B.T.
A pine tree 15 ins. diam. bears
S 47°E marked 1/4 S.B.T.

Subdivision T. 25 S. R. 2 W.

Chains	
49.00	Top of ridge N and S slopes N. descend
80.00	The cor. to secs. 11-12-13 and 14 Land high mountain 580 chs. Soil gravely and rocky 4th rate Timber aspen and pine mostly burned and dry, much fallen

At 1 p.m. October 6, 9th diurnal change has diminished the variation 4' West on a random line bet. secs. 11 and 14
Va 16° 55' E

40.00	Set temporary 1/4 sec. cor.
79.90	Intersect north and south line at cor. to secs. 10-11-14 and 15 Thence I run East on a true line bet secs 11 and 14, same Va. Descend, through timber
30.00	Enter open flat swampy
33.00	A circular pond locally known as "Deep Lake" 3.50 chs diam bears North 6 chs. and the ranch buildings

Subdivision T.25 S.R.2W.

Chains 6 of A S Hawley consisting of 2 Logcabins and 2 corrals built of poles and logs bears S. 10°E. 12 chs. In edge of timber; a small stream runs north and sinks in flat below before reaching the pond.— this place is used for summer dairying but was deserted at this time

35.50 Enter aspen brake ascend

37.00 Pole fence on top of ridge bands Descend

39.95 Set a trachyte rock 22x18x14 ins 15 ins in the ground for 1/4 sec. Cor. marked 1/4 on N face! raised a mound of stones 1½ ft high 2 ft base alongside — Pits impracticable

46.00 Road in bottom of gulch N and S From this point the ranch buildings of John Burraston one of the applicants for survey of T.25 S.R 2 W. bears S.10°E. 26 chs. consisting of a Log house 18x18 ft. and a corral about 200 ft. diam.

Subdivision T. 25 S. R. 2 W.

Chains built of poles and logs. – A pasture of about 30 acres inclosed by a pole fence extends northward from the buildings and a small stream runs through. – It is located in a narrow gulch and the above mentioned pasture is about all the available land being surrounded on all sides by rocky slopes covered by timber. This place is used as a summer dairy ranch but was deserted at this time. –)

46.70 Stream 3 lks wide 2 in deep dr. N. in bottom of gulch. –
Ascend. –

62.00 Top of ridge N and S
Descend

75.00 Dry wash and road in bottom of gulch N and S dr. N
Ascend

79.90 The cor. to secs. 11-12-13 and 14
Land high mountainous 79.90 chains
soil gravely sandy 3rd and 4th rate

Subdivision T.25 S.R.2 W.

Remains Timber aspen and a few pines

At 2.30 pm October 6th diurnal change has increased the variation 1'

North bet. Sec. 11 and 12
Va. 16° 58' E

Descend gradually through aspen timber

2100 Road at foot of ridge run N.E. and S.W.

4000 Set a trachyte rock 16 x 12 x 10 in. 10 in in ground for 1/4 sec. cor marked 1/4 on W face: raised a mound of stones 1½ ft. high 2 ft. base along side. - Pits impracticable. -

50,15 Road N E and S W in bottom of draw. Ascend, through thick aspen timber

80,00 Set a trachyte rock 30 x 12 x 10 in. 20 in. in the ground for cor to sec. 1-2-11 and 12. marked with 5 notches on S. and 1 notch on E. edge: raised a mound of stones 1½ ft. high 2 ft. base along side

Subdivision T. 25 S. R. 2 W.

Chains Pits impracticable. -

A pine tree 2 ft. diam. bears N 46° W 5 lks distant marked T 25 S R 2 W S 2 B T

A pine tree 11 in. diam. bears N 13° E 30 lks dist. marked T. 25 S. R 2 W S 1 B.T.

A pine tree 6 in. diam. bears S 17° E 51 lks dist. marked T. 25 S. R. 2 W. S 12 B.T.

An aspen tree 9 in. diam. bears S 71° W 35 lks. dist. marked T. 25 S. R 2 W S 11 B.T.

Land high mountains, rolling, soil rocky and gravelly 3rd rate

Timber, aspen and a few scattering pine 80 chs. of commercial value

---

East on a random line bet secs. 1 and 12

Va 16° 56' E

40.00 Set temporary 1/4 sec. cor.

80.00 Intersect east boundary of township 12 links north of cor. to secs. 1-6-7 and 12 which is a trachyte rock 18 x 14 x 8 ins. above ground marked with 1 notch on N and

Subdivision T. 25 S. R. 2 W.

Chains 5 notches on S edge: a mound of stones along side 2 ft high 3 ft base
Thence 0 run
N 89° 55' W. on a true line bet secs. 1 and 12 same va. deaned
21.00 North bank of "Big Lake" a pond or mire extending about ½ mile S.E. and 6 chs. to W of this line; water 6 ins deep. - high grass and weeds. -
26.20 South bank of same.
35.00 wash drain N.
40.00 set a trachyte rock 16 x 12 x 10 ins. 10 ins. in the ground for ¼ sec. cor. marked ¼ on N. face! raised a mound of stones 1½ ft high 2 ft. base. along side. - Pits impracticable
41.00 Enter aspen timber, ascend
49.00 a cabin, deserted & decayed owner ship not known, bears North 3 chs!
80.00 The cor. to secs. 1-2-11 and 12
Land high mountains 80 chs
Soil sandy and rocky 2nd and 3rd rate
Timber aspen and a few pine. much dry fallen timber

Subdivisions T.25 S.R.2 W.

Chains At 5 p.m. October 6th decimal change has increased the variation 2'

West on a random line bet. secs. 2 and 11

Va 16°58' E

40.00 Set temporary 1/4 sec. cor.

80.00 Intersects north and south line 7 lks south of cor. to secs. 2-3-10 and 11

Thence I run

S89°57'E on a true line bet. secs. 2 and 11 same Va.

3.00 Leave timber

12.70 Road N.W. and S.E.

15.00 Enter aspen timber ascend

40.00 Set a trachyte rock 18 x 11 x 9 in. 12 in. in the ground for 1/4 sec. cor. marked 1/4 on N. face raised a mound of stones 1 1/2 ft high 2 ft base alongside. Pits impracticable. —

Ascend

71.00 Top of hill E and W

80.00 The cor. to secs. 1-2-11 and 12

Subdivision T.25 S.R.2 W.

Chains Land high mountains on 8000 chains
soil gravely 3d rate
Timber aspen, much dry and fallen
68 chs. -
October 6th 1891

At 7 30 a.m. October 7th the
magnetic bearing of the line bet.
secs. 11 and 12 is S17°1' E. due to
diurnal change. - Thence I run
North on a random line bet.
secs 1 and 2
Va 17°1' E

40,00 Set temporary 1/4 sec. cor.

79.84 Intersect the north boundary of
township at cor. to secs. 1-2-35
and 36 which is a trachyte rock
10x9x6 in above ground marked
with 1 notch on E and 5 notches on
W edges; a mound of stone
alongside 1½ ft high 2 ft. base
Thence I run
South on a true line bet secs.
1 and 2, same Va.

Subdivision T. 25 S. R. 2 W.

chains	
	Ascend, broken ridge, aspen timber
39.84	Set a trachyte rock 17 x 14 x 11 ins. 11 ins in the ground for 1/4 sec. cor. marked 1/4 on W face I raised a mound of stone 1½ ft high 2 ft. base alongside - Pits impracticable - -
	Ascend through aspen timber
43.00	Top of ridge. Course E
	Descend
57.00	Bottom of gulch drains E
	Ascend steep hill through aspen timber much dead and fallen - -
79.84	The corner to secs. 1-2-11 and 12
	Land high mountains on 79.84 chains
	Soil gravely and rocky, 4th rate
	Timber Aspen, much dead and fallen

At 10 a.m. October 7th Diurnal change has diminished the variation 2'

from the cor. to secs. 2-3-10 and 11 I run - -

West on a true line bet. secs. 3 and 10

Subdivision T.25 S R.2 W.

Chains	Va. 16°59' E
	Through Aspen timber
21.00	Leave same - a corral 75 ft. diam. bear South 50 lks, a cabin 12x16 ft. bears N63W 21 chs.
22.50	East bank of a pond extends 3 chs each way N and S of this line
36.60	West bank of same
40.00	Set a trachyte rock 20x12x10 in 14 in. in ground for 1/4 sec. cor. marked 1/4 on N. face; raised a mound of stones 2 ft high 3 ft. base Alongside. - Pits impracticable. -
	600 ft west from here the mountain breaks away in a sheer precipice of nearly 1000 ft. hence I abandone this line as impracticable. -
	Land high tablemountain 34000 chs.
	Soil gravely 3d rate
	Timber Aspen much dead and fallen 21 chs. Water 14.10 chain

Subdivisions T.25 S.R.2 W.

Chains From the cor. to secs 10-11-14 and 15. I run
West on true line bet. secs. 10 and 15
Va 16°59' E
Ascend through timber
40.00 Set a trachyte rock 18 x 12 x 9 ins. 12 ins in ground for 1/4 sec. Cor. marked 1/4 on N. face raised a mound of stones 1½ ft high 2 ft. base Along ride
Pits impracticable. —
This line extended west would ascend a steep rocky ridge which breaks abruptly towards the west about 1/4 mile from this point, hence I abandone this line as impracticable land high mountains very broken soil rocky —
Timber pine 40 chs. of fair quality
October 7th, 1891.

Subdivision T. 25 S. R. 2 W.

General Description

This township is wholly composed of mountains being located in the highest portion of the Sevier range at an elevation of between nine and ten thousand feet and is therefor not fit for cultivation of crops but affords good summer pasture for stock. -
There are a number of ranches located in the township all of which are used for summer dairying but the season being over they were all deserted temporarily at this time. -
John Burraston's claim is located in sec. 14. (applicant for survey of this township) and his improvements consist of a loghouse, corral and about 30 acres inclosed by fence. -
The cabin of H O Magleby & Son. who are applicants for survey of T. 25 S. R. 1 W. where they believed their claim to be located, bears from the standard cor.

Subdivision T 25 S R 2 W

is sec 34 and 35 on south boundary of this township ~~bear~~ S 52° E 13 chs distant and is therefor in T 26 S R 2 W sec. 3 which is still unsurveyed. —

The claim of David Collins who is also applicant for survey of this township, in which he supposed is to be located: is south about 3 miles from Standard Cor to sec 34 and 35 on south boundary of this township, and in unsurveyed territory. —

The surveyed portion of this township consists of a rolling plateau covered with a dense young growth of aspen, and some pine timber, with narrow strips of open sagebrush swales the soil of which is quite fertile and would with proper care produce excellent meadows. —

The unsurveyed portion is composed wholly of rocky ridges and deep canons covered with pine timber, some

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Subdivision T 25 S R 2 W

of which is of excelent quality and fair size.—
There are a few small springs and streams of excelent water also some shallow ponds all of which depend for their supply on the winter snow and go dry, or nearly so in the fall of the year.—
The entire township is covered with volcanic eruptive rock (trachyte) which is the only rock found in the locality and the soil is composed of the same material ground up by the huge glaciers which have everywhere left their mates behind.—
I found no indication of mineral existing anywhere.—
Doxfords sawmill in sec. 34 is a small water-power mill the product of which is hauled to the valley and there used for building purposes: it was not running when I visited it.—
The magnetic mean variation for the township based on a number

Subdivision T 25 S R 2 W

of observation is 16°58' E. —
The cabin mentioned as being located in S.E. 1/4 sec. 3 about 12 x 16 ft. was deserted and ownership is not known it was probably built upon a claim afterwards abandoned no other improvements. —
The above statement also holds good as regards the cabin in S.W. 1/4 sec. 1 and cabin and corral in S.E. 1/4 sec. 12; the old sawmill mentioned as being located in N.E. 1/4 sec. 13 was also deserted and the machinery removed, the desirable timber having been exhausted. —
The claim of A. J. Hawley in N.W. 1/4 sec. 14 was also deserted temporarily the dairy season being over and snow having commenced to fall.
The claim of John Burraston was also temporarily deserted.

Andrew P. Hanson
U.S. Deputy Surveyor

BOOK-A-233

U. S. SURVEYOR GENERAL'S OFFICE,

Salt Lake City, Utah, June 30th, 1892

The foregoing field notes of the survey of the Subdivisions

Township No. 25 South *Range No.* 2 West

Salt Lake Base and Meridian, Utah,

Executed by C. D. Hanson

U. S. Deputy Surveyor,

Under Contract No. 178 *of the* 27th

day of June *18*91*, having been critically examined, the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.*

Ellsworth Daggett

U. S. Surveyor General for Utah.

BOOK-A-233

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Township No. 2

Range No. 3

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NAMES AND DUTIES OF ASSISTANTS.

	Compassman
R H Barney	*Chainman.*
Elias Gardener	*Chainman.*
Wm L Burr	*Chainman.*
Jacob E Howard	*Chainman.*
Joshua Gardener	*Axeman.*
D Meacham	*Axeman.*
Samuel Meacham	*Flagman.*

BOOK-A-233

STANTS.
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Resurvey of a portion of the fifth standard parallel south through R.3 W.

chains Survey commenced October 8th 1891 with a W & L E Gurley light mountain transit with Burt's solar attachment. –

At the standard corner to sections 32 and 33 on south boundary of township 25 south range 3 west in latitude 38°36' N longitude 112°12' W at 5h 50m a m Standard Mountain time the mean solar time being 5h 21m a m I take an observation on Polaris in accordance with instructions in the Manual and find the magnetic bearing of the star to be N. 17° 52' W.

I drive a picket on the line thus found four chains north of the corner

Astronomical time of observation
Oct 7th - - 17h 21m.

Tabular time U.C. of Polaris –
October 7th. - 12h 13.2m

Which taken from time of observation leaves hour angle of Polaris - 5h 7.6m

Resurvey of 5th Standard Parallel South through Range 3 West

Chains Azimuth of Polaris for lat. 38°36' = 1°35'
North end of needle 17°52' East
The difference is the variation = 16°17'
At 7.30 a.m. I take the magnetic bearing of the line established this morning and find it to be N 17 55' W. and — the Variation 16°20' E
The mean variation is 16°17' E

I begin at the standard corner to sections 32 and 33 on south boundary of township 25 South range 3 West which is a trachyte rock 14×7×6 ins above ground marked with 2 notches on W. 4 notches on E. and 6 notches on N. edges and S.C. on south face. I raised a mound of stone 1½ ft. high 2 ft. base alongside. - Pits impracticable. - Thence I run East on S. boundary Sec. 33
Va 16°20' E

7.00 Wash drain N.W.
13.50 Ditch 2 lks wide 4 ins deep drains N.W
34.80 " 3 " " " " " " N.W

BOOK-A

Resurvey of
South in

Chains
40.00 The ol
line
10×5
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Pits
corn
S. fa
48.00 Foot
57.30 Top of
Desce
61.80 Was
Asce
78.00 Top of
from
80.00 Old
Set
12
Cor
S.C
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Resurvey of 5th Standard Parallel South through Range 3 West.

chains	
40.00	The old standard 1/4. corner on line: which is a trachyte rock 10 X 5 X 5 in. above ground: marked 1/4 on N face: mound scattered, I raised a mound of stones 1½ ft. high 2 ft base alongside Pits impracticable.- and the corner rock I marked S.C. on S. face for standard cor. -
48.00	Top of ridge Ascend.
51.30	Top of same N.W. and S E Descend
61.80	Wash drain in bottom of draw course N.W. Ascend
78.00	Top of ridge N W and S E. spur from main mountain is the S. E
80.00	Old corner could not be found Set a trachyte rock 18 X 13 X 11 in 12 in in ground for standard Cor. to secs. 33 and 34 marked S.C. with 3 notches on E and W edges: raised a mound of stones 1½ ft. high 2 ft. base alongside.- Pits impracticable.

Resurvey of 5th Standard Parallel south through Range 3 West

Chains Land west half level valley east half morain ridges, close to foot of main mountains. Mts 32 Ch. Soil gravely and rocky 2d rate. No timber -- sage and some underbrush. 80.00 chains

East on S. boundary Sec. 34
Va. 16° 20' E

Descend through underbrush and scattering pinion.

5.00 Wood road in bottom of draw N. W.

14.00 Wash drain N 60° W in bottom of ravine at mouth of deep cañon on the SE. -

14.25 Road in bottom of ravine N 60 W.
Ascend rocky slope of mountain

40.00 Old corner not to be found.
I set a trachyte rock 16x14x9 ins. 11 ins. in the ground for Standard 1/4 Sec. cor. marked S.C. and 1/4 on N. face: raised a mound of stones 1 1/2 ft high 2 ft. base alongside. -

Resurvey of 5th Standard Parallel South through Range 3 West.

chains Pits impracticable
Ascend main mountain very steep
80.00 Old corner could not be found
Set a trachyte rock 19x11x9 in. 12 in. in ground for Standard cor. to secs. 34 and 35 marked S.C. with 2 notches E. and 4 notches on W. edges: raised a mound of stones 1½ ft. high 2 ft. base alongside. Pits impracticable --
Land Mountainous on 80 chains Soil very rocky, gravely 4th rate Timber scattering Cedar and Pinion Much fine timber was found along here at one time, as evidenced by the great number of big stumps still remaining; which has all been removed for firewood and building purposes
The line east from here would pass over high broken mountain worthless for agricultural purposes

Resurvey of 5th Standard Parallel
South through Range 3 West.

chain hence I abandone it here
October 8th 1891. 11 a.m.

General Description

This line is at the south end of Sevier Valley and extends far up on the main mountain range on the east. – On the north the land has all been reclaimed to within ½ mile of the line which is above the present highest ditch.– on the south is much fair good Agricultural land extending south and west-ward which has not been reclaimed owing to lack of water for irrigation. —

Andrew P Hanson
U. S. Dep. Surveyor

BOOK-A-

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BOOK-A-233

U. S. SURVEYOR GENERAL'S OFFICE,

Salt Lake City, Utah, June 30th 1892

The foregoing field notes of the re*survey of the* 5th Standard Parallel South

Township No. 25 South *Range No.* 3 West

Salt Lake Base and Meridian, Utah,

Executed by Andrew P. Hanson

U. S. Deputy Surveyor,

Under Contract No. 178 *of the* 27th

day of June *18*91*, having been critically examined, the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.*

Ellsworth Daggett

U. S. Surveyor General for Utah.

20

BOOK-A-2

REPORT:

Filed

Examined by

Transcribed by

Compared by

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North

Township No.

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BOOK-A-233 ✓

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REPORT:

Filed December 28, 1891

Examined by Campe

Transcribed by Henry R. M. Atkinson

Compared by Campe & Wm H. Moore

FIELD NOTES

OF THE RESURVEY and SURVEY OF THE

North Boundary

OF

Township No. 25 South

Range No. 3 West

OF THE

SALT LAKE BASE AND MERIDIAN

IN

UTAH TERRITORY,

AS SURVEYED BY

Andrew P Hanson

U. S. Deputy Surveyor,

Under his Contract No. 178

Dated June 27th 1891

Survey Commenced October 9th 1891

Survey Completed " " 1891

NAMES AND DUTIES OF ASSISTANTS.

	Compassman
R. H. Barney	*Chainman.*
Elias Gardener	*Chainman.*
	Chainman.
	Chainman.
Joshua Gardener	*Axeman.*
A. Meacham	*Axeman.*
Samuel Meacham	*Flagman.*

Resurvey of a portion of the North boundary T. 25 S. R. 3 W.

Chain Survey commenced October 9th 1891 with a W. L. E. Gurley light mountain transit with solar attachment. —

As the corner to sections 2-3-34 and 35 can not be found I go to the corner to sections 3-4-33 and 34 on north boundary of township 25 south range 3 west in latitude 38°3' N longitude 112° 10' W at 10h a.m. October 9th 1891 I take an observation on the Sun with Burt's solar attachment to my transit which I have previously tested on a line established by an observation on Polaris and found true. —

The magnetic variation thus found is 16°18' E and the mean variation 16°17' E.

From the corner to sections 3-4-33 and 34 on north boundary T. 25 S. R. 3 W. I run east between sections 3 and 34. Variation 16°18' E. 80 chs.

Resurvey of a portion of North boundary T. 25 S. R. 3 W.

Chains

And as the old sec. cor. is not to be found I set a trachyte rock 18 x 12 x 9 inc. 12 inc. in the ground for cor. to sec. 2. 3 - 34 and 35 and mark same with 4 notches on N. and 2 notches on E edges! raised a mound of stones 1½ ft high 2 ft base along side. - Pits impracticable. —

Thence I run

East on a resurvey line bet. secs 2 and 35

Va 16° 18' E

Through plowed field

1.65 Irrigating ditch 6 lks wide 17 inc deep flows N.

1.68 Telegraph N. & S.

12.40 Canal 10 lks wide 2 feet deep flows N

Leave cultivated land enter sagebrush

14.00 County road N and S

40.00 The old ¼ sec. cor. not to be found set a trachyte rock 18 x 13 x 10 inc 12 inc. in the ground for ¼ sec

Resurvey of a portion of North boundary T. 25 S. R. 3 W.

Chains

And as the old sec. cor. is not to be found I set a trachyte rock 18 x 12 x 9 inc. 12 inc. in the ground for cor. to sec. 2. 3 - 34 and 35 and mark same with 4 notches on N. and 2 notches on E edges! raised a mound of stones 1½ ft high 2 ft base along side. - Pits impracticable. —

Thence I run

East on a resurvey line bet. secs 2 and 35

Va 16° 18' E

Through plowed field

1.65 Irrigating ditch 6 lks wide 17 inc deep flows N.

1.68 Telegraph N. & S.

12.40 Canal 10 lks wide 2 feet deep flows N

Leave cultivated land enter sagebrush

14.00 County road N and S

40.00 The old ¼ sec. cor. not to be found set a trachyte rock 18 x 13 x 10 inc 12 inc. in the ground for ¼ sec

General Description

and terminates at the foot of the mountain the land on each side is adapted for cultivation and should be subdivided where this has not allready been done. —

Andrew P Hanson
U.S Dep. Surveyor

BOOK-A-233

North boundary, township 25 south range 3 west. —

Survey commenced October 9th 1891 with a W & L E Gurley light mountain transit with solar attachment. —
At the established corner to sec. 1-2-35 and 36 on the north boundary of township 25 S. range 3 W. at 1h 30m p.m. October 9th take a back sight along the line between sec. 2 and 35 as run by me this morning (on resurvey line) and which is a true east and west line.- The magnetic variation thus established is 16°14' E and the mean variation 16°17' E.-

---

It being impracticable to run the east boundary of this township, hence I begin at the corner to section 1-2 35 and 36 on north boundary of township 25 S. R 3 W. which

North Boundary T. 25 S. R. 3 W.

chain is a trachyte rock 11 x 10 x 6 in. above ground marked with 5 notches on West and 1 no. on east edge: a mound of stones 2 ft. high 3 ft. base alongside. – Thence 0 run East on a true line between 1 and 36

Va 16°14' E.

Ascending rocky slope

18.00 Top of ridge N.W. from main mt. Descend.

27.00 Wash drain N.W. in bottom of ravine Ascend.

40.00 Set a trachyte rock 17 x 14 x 9 in. 11 in. in the ground for 1/4 Sec. cor. marked 1/4 on N face: raised a mound of stones 1½ ft. high 2 ft. base along side. Pits impracticable. –

57.00 Top of ridge N.W. and S.E. Descend

70.50 Wash drain N.W. in bottom of ravine Ascend

North Boundary T.25 S. R.3 W.

Chains

0.00 Set a trachyte rock 18x12x9 ins. 12 ins. in the ground for cor. to townships 24 and 25 S. ranges 2 and 3 W. marked with 6 notches on N. S. E and W. edges. raised a mound of stones 2 ft. high 3 ft. base along side. Pits impracticable. —

A Cedar tree 10 ins diam bears N 44° W. 9 lks distant marked T. 24 S. R. 3 W. S. 36 B.T.

A Cedar 6 ins diam bears S. 31° W. 55 lks. dist. marked T 25 S. R. 3 W. S. 1 B.T. — no other trees within proper distance. —

A line south from here is impracticable owing to high cliffs —, Land broken, rocky mountains 80 chs. Soil gravely ~~rocky~~ 4th rate Timber, a few scattering Cedars

October 9th 1891 3 p.m.

General Description

This line is in the foothills of the Sevier mountain beginning at the edge of Sevier valley ascending gradually eastward where the Tp. corner is located close to the foot of the main mountains which rise abruptly to a great height. — The land on either side is not fit for agriculture but is good grazing lands for stock and affords some firewood. —

Andrew P Harrison
U.S Deputy Surveyor

BOOK-A

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U. S. SURVEYOR GENERAL'S OFFICE,

Salt Lake City, Utah, June 30th, 1892

The foregoing field notes of the survey and *survey of the* North boundary

Township No. 25 South *Range No.* 3 West

Salt Lake Base and Meridian, Utah,

Executed by Andrew P. Hanson

U. S. Deputy Surveyor,

Under Contract No. 178 *of the* 27th

day of June *18*91*, having been critically examined, the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.*

Ellsworth Daggett

U. S. Surveyor General for Utah.

BOOK-A-2

REPORT:

Filed Dec

Examined by

Transcribed by

Compared by

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OF THE

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Township No. 2

Range No. 3

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BOOK-A-233 ✓ 103

REPORT:

Filed December 28, 1891

Examined by Campe

Transcribed by Henry R. M. Atkinson

Compared by Campe

FIELD NOTES

OF THE resurvey and SURVEY OF THE

Subdivisions

OF

Township No. 25 South

Range No. 3 West

OF THE

SALT LAKE BASE AND MERIDIAN

IN

UTAH TERRITORY,

AS SURVEYED BY

Andrew P Hanson

U. S. Deputy Surveyor,

Under his Contract No. 178

Dated June 27th 1891

Survey Commenced October 8th 1891

Survey Completed " 10th 1891

H 7-33-10 ✓

L 2-07-03 ✓

NAMES AND DUTIES OF ASSISTANTS.

	Compassman
R H Barney	*Chainman.*
Elias Gardener	*Chainman.*
	Chainman.
	Chainman.
Joshua Gardener	*Axeman.*
O Meacham	*Axeman.*
Samuel Meacham	*Flagman.*

Resurvey of a portion of the subdivision lines of T. 25 S. R. 3 W.

Mains Survey commenced October 8th 1891 with a W & L E Gurley light mountain transit with Burt solar attachment. -
At the Standard corner to Secs. 34 and 35 on south boundary of township 25 south range 3 west at 11h a.m. October 8th 1891 I take a back sight on the standard line on south boundary of section 34 as run by me this morning and which is a true east and west line determined by an observation on Polaris: and find the magnetic variation to be 16°16' E. -
Adding 1' for diurnal change as per table in Manual the mean variation is 16°17' E —
I now take an observation on the sun with solar attachment to my transit and find the adjustment correct. —

Resurvey. Subdivisions T. 25 S. R. 3 W.

Chains As the south boundary of this
-ship is impracticable further east hence
I begin at the Standard corner
to Secs. 34 and 35 on south
boundary of T. 25 S. R 3 W which
is a trachyte rock 11 x 9 x 7 ins.
above ground marked S.C.
with 4 notches on west and
2 notches on east edges; a
mound of stones 1½ ft high
2 ft base alongside. - Thence I run
North on a resurvey line between
secs 34 and 35

Va 16°16' E. -

Descend gradually over high rolling
mountain about 1500 ft. above valley

31.00 ravine drain W.

40.00 Old 1/4 sec cor not to be found.
set a trachyte rock 17 x 11 x 8
ins. 11 ins. in ground for
1/4 sec. cor. marked 1/4 on
W. face; raised a mound of
stones 1½ ft. high 2 ft. base
alongside. - Pits impracticable.

Resurvey

Chains
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R.3 W. Resurvey Subdivisions T. 25 S. R. 3 W.

Chains	
56.80	ravine drains N W. ascend ridge
61.00	Top of ridge N W & S E
	Descend.
75.00	ravine drains N. W.
	ascend.
80.00	Old sec. cor. not to be found.
	set a trachyte rock 16x14x11
	ins 10 ins. in the ground for
	cor. to secs 26-27-34 and 35
	marked with 1 notch on S. and
	2 notches on E. edges 1 raised
	a mound of stones 1½ ft high
	2 ft base alongside. - Pits impracticable. -
	(A line cast from here is impracticable)
	Land high mountains 1200 ft above Val.
	Soil rocky 4th rate
	Timber: few scattering cedars and
	pinion. - Mountainous on 80 Chains

At 12.30 pm diurnal change has diminished the variation 2' North bet. secs. 26 and 27.

Resurvey. Subdivisions T. 25 S. R. 3 W.

Chains on resurvey line. —

Va 16°14' E.

Ascend through oak brush

15.00 Top of ridge E and W

Descend — very steep

40.00 Old 1/4 cor. could not be found

Set a trachyte rock 15 X 13 X 12 in

10 ins. in the ground for 1/4 sec.

Cor. marked 1/4 on W. face 1.

raised a mound of stones 1½

ft. high 2 ft. base alongside

Pits impracticable. —

51.50 Deep ravine drains W. — a road

in bottom of same. —

On the bottom and along the north

side of this ravine a number

of prospecting tunnels have been

run both below and above this line

and some iron and copper ores extrac-

-ted. — This is the southern edge of

a mineral bearing zone extending

from the foot of the mountains in

a south easterly direction,

ascend steep slope.

Resurvey Subdivisions T. 25 S. R. 3 W.

Chains

56.00 Top of ridge E. and W.
Descend gradually

68.70 Prospect hole 50 links W. of line in quartz ledge; 10 ft. deep. Shows some copper ore. (Chalcopyrite and Azurite)

80.00 Old sec. cor. not to be found
Set a trachyte rock 17 x 11 x 9 ins 11 ins above ground for cor. to secs 22-23-26 and 27 marked with 2 notches on S and E edges: raised a mound of stones 1½ ft high 2 ft base alongside.
Pit impracticable. –
Land high mountains 700 ft above val. very broken and rocky; sloping west. – on 80.00 chains
Soil rocky 4th rate
Timber, few scattering pinion and underbrush. –

North bet. Secs 22 and 23
on a resurvey line
Va 16°14' E.

Resurvey, Subdivision T. 25 S. R. 3 W.

Chains Descend steep slope

31.70 Creek in bottom of Monroe Canon, 9 lks wide 1 ft. deep flows N.W.

33.85 Mill ditch 8 lks wide 2 ft. deep flows N. W.

36.30 Road in bottom of canon N.W. and S.E.

40.00 Found old 1/4 SEC. COR. 5 links west of line a white rock 8×6×6 ins above ground: marked 1/4 on W. face: no mound. - Raised a mound of stones 1 1/2 ft high 2 ft. base alongside - Pits impracticable. - In canon about 1/4 mile east from valley. -

Ascend steep sandy ridge.

48.00 Top of ridge E. and W.

Descend

57.60 Road in bottom of deep narrow canon runs E and W.

Ascend low ridge - 300 ft east of valley

68.50 Top of ridge E. and W.

Descend

80.00 On cove at foot of mountains. Found old corner stone, a white rock 16×

Resurvey, Subdivision T. 25 S. R. 3 W.

Chain 10x6 ins lying on top of ground, and mound scattered. - I reset Corner stone and marked same with 3 notches on S. and 2 notches on E. edges (old marks indistinct) for corner to secs 14-15-22 and 23: raised a mound of stones 1½ ft. high 2 ft. base alongside. - Pits impracticable

Land mountainous very broken 80 chs.

Soil rocky and sandy 4th rate

Timber, a few scattering pinion.

This land is mineral bearing but worthless for agriculture. —

North bet. secs. 14 and 15
on a resurvey line
Va. 16°14' E.

Along broken foothills

Ascend

9.70 Top of ridge E. and W.

Descend

17.30 Wood road E. and W. in bottom of ravine

Resurvey. Subdivisions T.25 S.R.3 W.

Chains Ascend

22.00 Top of ridge E and W

Descend

40.00 Old 1/4 cor. not to be found! I set a trachyte rock 16 x 14 x 11 ins. 11 ins in the ground for 1/4 sec. cor. marked 1/4 on W face! raised a mound of stones 1½ ft high 2 ft base alongside. - Pits impracticable

47.60 Wood road E. and W. in bottom of ravine - -

Ascend

55.00 Top of ridge E. and W. - Descend

66.50 Enter level bench of mineral deposits formed by saline springs - at foot of mountain - (Principally iron and alkaline carbonates)

69.80 Bath house 10 x 16 ft. of rough lumber 2 chs. west of line! - A spring of hot saline water close by the house discharges a small stream 6 ins. wide and 2 ins deep. -

76.00 road from canon, E. and W.

80.00 The old cor. to sec. 10-11-14 and

S.R.3W. Resurvey Subdivisions T.25S.R.3W.

chains 15 which is a trachyte 14x9x6 in. above ground marked with 4 notches on S. and 2 notches on E. edges. - The notches are nearly obliterated here I recut the same and raised a mound of stones 1½ ft high 2 ft. base along side. Pits impracticable This corner is located about 1 ch. from the foot of the mountain on top of bench of mineral deposits formed by saline springs of which there are about 15, varying in temperature from warm to near boiling. and extending for a distance of about 3 chs east and west from this line. -

Land Mountainous rough and broken 0.37 8.00 Chains
Soil rocky and sandy 4th rate
Timber a few scattering pinion.

October 8th 1891

At 7. a.m. October 9th 1891 take a back sight on the line bet.

Resurvey, Subdivision T. 25 S. R. 3 W.

chain Secs. 14 and 15 and reversing my telescope I run.
North bet. Secs 10 and 11 on a resurvey line
The needle owing to local attraction will not settle
Over spring deposits
15.00 Edge of bank Descend
15.70 Foot of same enter level sage flat
22.00 Wood road E and W.
40.00 The old 1/4 cor. not to be found I set a trachyte rock 18 x 14 x 12 ins. 12 ins in the ground for 1/4 sec. cor. marked 1/4 on W. face: raised a mound of stones ~~along side~~ 1½ ft high 2 ft. base alongside. - Pits impracticable. -
59.50 Wood road E and W
80.00 The old Cor. to secs. 2-3-10 and 11 which is a trachyte 14 x 8 x 5 ins. above ground marked with 5 notches on S. and 2 notches on E. edges, nearly obliterated. - I recut the notches and raised a mound of stones

Resurvey, Subdivision T. 25 S. R. 3 W.

Chains 1½ ft high 2 ft base alongside
Pits impracticable. –
Land level valley at foot of Mountain 64.30 Chs.
Mountainous 15.70 Chains
Soil gravely covered with large bowlders
2de rate. – heavy sage brush
No timber. –

At 8 a.m October 9th 91 the magnetic
bearing of the line bet. secs 10 and 11
is S 16° 20 E. and the mean Va. 16° 17' E
North on a random line between
secs. 2 and 3
Va 16° 20' E
40.00 set temporary ¼ Sec cor.
80.24 The old corner to sections 2-3-34
and 35 on north boundary of
township can not be found hence
I set a temporary corner to mark the
place and abandone this line for the
present. –
October 9th 1891. 9 a.m.
At 10.45 a.m. October 9, 91 at the
properly established cor to secs.
2-3-34 and 35. which is a

Resurvey Subdivision T. 25 S. R. 3 W.

Chains trachyte rock 12 x 9 x 6 in. above ground marked with 4 notches on W. and 2 notches on E. edges. a mound of stones 1½ ft high 2 ft base alongside. - The temporary corner set by me this morning bears north 11 links distant. -
The variation has diminished 4' by diurnal
South on a true line bet. Secs. 2 and 3
Va. 16° 16' E
Through plowed field

9.00 Telegraph line W of S
No trace of old corner could be found

40.13 Set a trachyte rock 17 x 11 x 9 ins, 11 ins in the ground for 1/4 Sec. cor. marked 1/4 on W face; raised a mound of stones 1½ ft high 2 ft base alongside. Pits impracticable

48.30 Irrigating ditch 6 lks wide 14 ins. deep flows E of N

56.00 road S.W and N E

56.60 Canal 10 lks wide 2 ft. deep flows N.E.: leave cultivated land

64.00 County road N.E. and S.W.

Resurvey Subdivision T. 25 S, R. 3 W.

Chain
013 The cor. to secs. 2-3-10 and 11.
Land nearly level 80.13 chs.
Soil aluvial loam 1st rate
No timber: sagebrush 23 chs.

October 9th, 1891 12 m.

Andrew P Hansen
U. S. Dep. Surveyor

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Subdivision T. 25 S. R. 3 W.

Chains Survey commenced October 9th 1891 with a W. & L. E. Gurley light mountain transit with Burt solar attachment.--
At the corner to Secs. 1-2-35 and 36 on north boundary of township 25 S. range 3 W. in Latitude 38°41' N. long. 112° 8' W. at 3.30 p.m. October 9th 1891 I take an observation on the Sun with solar attachment to my transit which I have previously tested on a line established by observation on Polaris and found true.--
The magnetic variation then found is 16°15' E. and the mean variation 16°17' E

I begin at the Cor. to Secs. 1-2-35 and 36 on north boundary of T. 25 S. R. 3 W which is a trachyte rock 11x10x6 inc. above ground marked with 5 notches

Subdivision T. 25 S. R. 3 W.

Chains on West and 1 notch on East edges: a mound of stones 2 ft high 3 ft. base alongside. —
Thence I run
South bet. secs. 1 and 2
Va 16° 15' E
ascend broken rocky slope

24.00 Top of ridge N. W. from main Mts.
Descend

28.50 Wash drain N. W. in bottom of ravine
Ascend

39.00 Top of bench

40.00 Set a trachyte rock 16 x 13 x 12 ins. 10 ins in the ground for 1/4 sec. cor. marked 1/4 on W face: raised a mound of stones 1½ ft high 2 ft. base alongside. Pits impracticable over rolling broken surface

68.00 Wash drain N. W in ravine

80.00 Set a trachyte rock 18 x 12 x 7 ins 12 ins. in the ground for Cor to secs. 1-2-11 and 12 marked with 5 notches on S and 1 notch

Subdivisions T.25 S.R.3 W.

Chains on E edges! raised a mound of stones 1½ ft. high 2 ft base along side. - Pits impracticable
Land mountainous broken rocky soil rocky, gravely 4th rate
Timber a few scattering Cedars

West on a random line bet. secs. 2 and 11
Va. 16°15' E
40.00 Set temporary ¼ sec. cor.
80.00 Intersects north and south line at cor. to secs. 2-3-10 and 11
Thence Trun
East on a true line bet. secs. 2 and 11 same Va.
22.60 Foot of mountains
ascend rocky slope
40.00 Set a trachyte rock 18 x 13 x 10 ins 12 ins. in the ground for ¼ sec. cor. marked ¼ on N. face raised a mound of stones 1½ ft high 2 ft base alongside
Pits impracticable. -

Subdivision T. 25 S. R. 3 W.

Chains	
62.00	Top of ridge N. W. from main Mts
	Descend
72.50	Wash drain in gulch N. W.
	Ascend steep slope
80.00	The cor. to secs. 1-2-11 and 12
	Land broken, mountainous 57 ft
	Soil gravely, rocky 3d rate
	Timber. a few scattering cedars.
	(Note A line east from here is impracticable owing to high cliffs.)
	October 9th 1891

At 8 a.m. October 10th the magnetic bearing of the line bet. secs. 1 and 2 is N. 16° 20' W. thence I run South bet. secs. 11 and 12

Va 16° 20 E

Ascend over broken hills.

40.00	Set a trachyte rock 15 x 14 x 11 ins 9 ins. in the ground for 1/4 sec cor. marked 1/4 on W face. raised a mound of stones 1½ ft. high 2 ft base alongside.

Subdivisions T. 25 S. R. 3 W.

Chains Pits impracticable. –
(Note: This line further south is impracticable owing to high cliffs – hence I abandone it here.)
Land mountainous 40 chs.
Soil gravely rocky 4th rate
Timber, scattering Cedars, and some underbrush. –

From the cor. to secs. 10 – 11 – 14 and 15 on resurvey line which is a trachyte rock 14 x 9 x 6 ins. above ground marked with 4 notches on S and 2 notches on E. edges: a mound of stones 1½ ft high 2 ft base alongside. –
I run East on a true line ~~(by Burts solar attachment to my transit)~~ between secs. 11 and 14
Needle owing to local attraction will not settle. –
Over saline springs deposits
1.20 ~~foot~~ of mountains ascend through lose sand and gravel
5.00 top of ridge S.W.

Subdivision T.25 S. R.3 W.

Chains Descend

9.00 Ravine dr. S W.

Ascend

18.00 Top of ridge S. W. from main mtn.

Descend

27.00 Ravine drain S. W., road in bottom

Ascend

40.00 Set a trachytic rock 17x11x9 in 11 in in the ground for 1/4 sec. cor. marked 1/4 on N face; raised a mound of stones 1½ ft high 2 ft. base along sid. - Pits impracticable

(note This line further east is impracticable owing to broken condition of surface hence I abandon it here. —)

Land high mountain 40 ch.

Soil sandy. rocky.

Timber. scattering cedars -

South of this line the formation is mineral bearing the zone extending southeasterly from the hot springs at the foot

BOOK-A-233

Subdivision T.25 S. R.3 W.

Chains

of the mountains and a number of prospect holes, can be seen at various points. - The ores consist of Lead, and copper combination carrying silver. —

From Cor. to sec. 14-15-22 and 23 on resurvey line. - Run East bet. sec. 14 and 23

Va 16° 17' E

Ascend broken ridge. -

17.00 Top high ridge N.W. from main mtns

Descend

23.00 Ravine dr. N.W., road in bottom

Ascend

40.00 Set a trachyte rock 16 x 13 x 9 in. 10 in. in ground for 1/4 sec. cor. marked 1/4 on N. face raised a mound of stones 1½ ft. high 2 ft. base along side Rib impracticable. —

This line further east is impracticable. -

Land mountainous very broken 40 chs

Subdivision T. 25 S. R. 3 W.

Chains Soil gravely rocky 4th rate
Timber scattering pinion and cedars
October 10th 1891

General Description

The western portion of this township which is included in a former survey is well watered and under a high state of cultivation. The eastern and still unsurveyed part is composed of deep canons and sharp ridges entirely unfit for farming purposes and has hardly any vegetation, except a few scattering cedars of no commercial value. But the indications are favorable for finding mineral veins, and much prospecting for ore has been done during the last season. – The prevailing rock is trachyte with intrusive dykes of porphyry. –

There are no settlers in the sections covered by my survey but most of it will be claimed in the near

future as arrangements are now being made for bringing it under dated
The claim of Thomas Hunt who is one of the applicants for survey of this township in which he believed his claim to be, is located south of the south boundary of this township about 2 miles and would therefore be in T. 26 S., R 3 W which is unsurveyed land. - The claim of Joseph W Fairbanks also applicant for survey of this township is located in sec 19 T. 25 S. R. 1 W. and is mentioned in my notes of survey of said township -
The mean variation for this township based on a number of observations is 16° 1' E
The hot saline springs in sec. 15. is well patronized by the local inhabitants for medicinal purposes. -

Andrew P Hansen
U.S. Dep. Surveyor

BOOK-A

U. S. SURVEY

Salt L

The foreg

Township No

of the Salt L

Under Cont

day of

examined,

made, the s

are hereby

U. S. SURVEYOR GENERAL'S OFFICE,

Salt Lake City, Utah. June 30th, 1892

The foregoing field notes of the resurvey *and survey of the*

Subdivisions

Township No. 25 South *Range No.* 3 West

of the Salt Lake Meridian. Executed by

Andrew F. Hanson

Under Contract No. 178 *of the* 27th

day of June 1891, *in the month of*

October 1891, *having been critically examined, the necessary corrections and explanations made, the said field notes, and the surveys they describe are hereby approved.*

Ellsworth Daggett

U. S. Surveyor General for Utah.

BOOK-A-233

REPORT:

Filed Decu

Examined by

Transcribed by

Compared by

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OF THE S

North

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West

Township No. 25

Range No. 4 W

SALT LAKE

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Dated Jun

Survey Commen

Survey Complete

BOOK-A-233 ✓

131

REPORT:

Filed December 28, 1891

Examined by Clarke

Transcribed by Henry R. M. Atkinson

Compared by Campe & W. H. Moore

FIELD NOTES

OF THE resurvey and SURVEY OF THE North boundary and resurvey of the West boundary

OF

Township No. 25 South

Range No. 4 West

OF THE

SALT LAKE BASE AND MERIDIAN

IN

UTAH TERRITORY,

AS SURVEYED BY

Andrew P Hanson

U. S. Deputy Surveyor,

Under his Contract No. 178

Dated June 27th 1891

Survey Commenced October 12th 1891

Survey Completed " 14th 1891

H 8-77-[illegible] ✓✓

NAMES AND DUTIES OF ASSISTANTS.

	Compassman
R H Barney	*Chainman.*
Elias Gardner	*Chainman.*
	Chainman.
	Chainman.
Joshua Gardner	*Axeman.*
A Meacham	*Axeman.*
Samuel Meacham	*Flagman.*

Resurvey of a portion of north boundary T. 25 S. R. 4. W.

Claims

Survey commenced October 12th 1891 with a W & L. E. Gurley light mountain transit with Burt solar attachment.-

At the corner to sec. 2-3-34 and 35 on north boundary of township 25 S. range 4 W. in latitude 38°41' N. longitude 112° 9' W at 10 am October 12th I take an observation on the sun with solar attachment to my transit which I have previously fitted on a line established by an observation on Polaris and found true.- The magnetic variation thus found is 16°51' E and the mean variation 16°50' E I now run east on a blank line along the north boundary of Township 25 S. R. 4 W. Va. 16°51' E and at 40. and 80 chs. I intersect the ¼ sec. and sec. corners respectively. At 160 chs I intersect the cor. to Ts. 24 and 25 S.

Resurvey North Boundary T25SR4W

chains Rs. 3 and 4 W. - Hence, having fully demonstrated the true bearing of the line and its magnetic variation I return to the starting point and commence the resurvey as follows.

From the cor. to secs. 2-3-34 and 35 on north boundary T25S.R4W. which is a trachyte rock 12x7x6 in. above ground marked with 2 notches on E. and 4 notches on W. edges 1 announced of stones 1½ ft. high 2 ft. base alongside..

West on true line bet. secs. 3 and 34..

Va. 16°51' E

Ascend gradually along foothills

1350 Enter dry wash course E.

27.00 Leave same, turn N.W.

Ascend steep ridge. Course N.W.

40.00 End of old survey.. no ¼ sec cor. could be found.. hence I set a trachyte rock 28x12x8 in. 2 in

Resurvey North Boundary T 25 S R 8 W

chain in the ground for 1/4 sec. cor. marked 1/4 on N face raised a mound of stones 2 ft. high 3 ft. base alongside. Pits impracticable. —

Land Mountainous broken 40 chs soil gravely, rocky 2de and 3d rate Timber, a few scattering Cedars and underbrush. —

October 12th, 1891.

BOOK-

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North boundary of
T. 25. S. R. 4 W.

Chains Survey commenced October 12th 1891 with a W & L E Gurley light mountain transit with Burt solar attachment.-

At the 1/4 sec. cor. between secs. 3 and 34 on north boundary of T. 25 S. R. 4 W. which is the end of old survey and resurvey line.- At 2. p.m. October 12th, 91, I take a back sight on line east, bet. secs. 3 and 34 as run by me and which is a true east and west line and a continuation of the course, of the old survey; of township boundary.-

The magnetic variation thus found is 16° 47' E and the mean variation 16° 50' E.-

---

From the 1/4 sec. cor. bet. secs. 3 and 34 on north boundary township 25 S. range 4 W., I run west on a random line on north boundary of said township with a variation of

North Boundary T. 25 S. R. 4 W.

chains .6°47' E. - I set temporary half-mile and mile corners at each 40 and 80 chains and at 3 M. 39.62 chains hunt diligently for the corner to townships 24 and 25 S. ranges 4 and 4½ W which should be established here, but fail to find it.. I therefor conclude a resurvey of the west boundary of the township is necessary and setting a temporary corner at the end of the line to mark the place I abandon it for the present. -

October 12th 1891

October 14 I having established the Cor. to townships 24 and 25 S. ranges 4 and 4½ west in the proper way I find the temporary corner set by me on random line October 12th bearing East 20 links: and the total length of the line 3 miles 39 chs. and 62 links. -

chains

13.50	
14.00	
23.00	
34.70	
39.62	

North Boundary T.25S.R.4W.

chains At 10 a.m. October 14th the variation is 16°51'E

From the cor. to township 24 and 25 S. ranges 4 and 4½ West which is a trachyte rock 11x9x8 ins. above ground marked with 6 notches on N.S.E and W. edges; a mound of stones 2 ft high 3 ft base along side. - I run

East on true line bet. secs. 6 and 31

va. 16°51'E

Descend steep slope, through oak brush

13.50 Road in bottom of Gulch course S E

14.00 Stream " " " " " " 3 lks wide 2 ins deep

Ascend

23.00 Top of ridge slopes S., descend

34.70 Road in bottom of gulch course S.

Ranch buildings of Thos Ross bears S37°W 27 chs

39.62 Set a trachyte rock 19x14x9 ins 12 ins. in the ground for 1/4 sec. Cor marked 1/4 on N face; raised a mound of stones 1½ ft. high

North Boundary T. 25 S. R. 4 W.

chain 2 ft. base alongside. — Pits impracticable. — ascend

50.00 Top of high ridge course S.E. ~~and N.W.~~ Descend

75.10 Road in bottom of gulch course S.E. ascend.

79.62 Set a trachyte rock 30 x 16 x 8 in. 22 in. in the ground for cor. to sec. 5-6-31 and 32 marked with 1 notch on W. and 5 notches on E. edges. raised a mound of stone 1½ ft. high 2 ft. base alongside Pits impracticable. —

Land high mountain 79.62 chs

Soil gravely, rocky 3rd rate

No timber — oak brush

East on true line set sec 5 and 32

Va 16° 51' E

17.30 Top of ridge course S.E. descend

41.00 In bottom of deep gulch. — A trachyte bowlder 6 x 5 x 5 ft. above ground which I marked 14 on N side 3 ft. from ground and a cross (×) 6 in. diam above 14 mark

North Boundary T. 25 S. R. 4 W.

chain for 1/4 sec cor.: raised a mound of stone 1½ ft high 2 ft base alongside. -

41.00 Stream 2 lks. wide 4 in deep course SE locally known as Gooseberry Creek, Ascend, steep slope.

48.20 Top of slope, enter broken ridge Descend gradually

70.00 Road course SE, in bottom of gulch drain SE. ascend

80.00 Set trachyte rock 22 x 14 x 12 in. stone in the ground for cor. to secs 4-5-32 and 33. marked with 2 notches on W and 4 notches on E edge. raised a mound of stone 1½ ft. high 2 ft. base alongside. -

Site impracticable.

Land high broken mountainous soil rocky, 4th rate

Timber: a few scattering cedar and pinion - oak brush

At 2 p.m. October 14 1899 diurnal change has diminished the variation 4'

North Boundary T. 25 S. R 4. W.

Chains East on true line bet secs 4 and 33
Va 16°47 E
Descend through cedar and pinion
40.00 Set a trachyte rock 26 x 11 x 9 ins. 18 ins in the ground for 1/4 sec. cor. marked 1/4 on N face; raised a mound of rocks 1/2 ft high 2 ft base alongside.
A pinion tree 16 ins diam bears S 48 E 5 links marked 1/4 S B.T.
A Pinion tree 10 ins diam. bears N 31° W 17 lks marked 1/4 S. B.T.
45.10 Bottom of deep gulch drains SE
Ascend steep slope
65.00 Top of ridge; descend
80.00 A stationary trachyte rock 4 ft. high 3 ft. diam which I marked with 3 notches on E and W sides and + cross, 6 ins diam. on top for cor. to secs. 3-4-33 and 34; raised a mound of stones 1/2 ft high 2 ft base alongside.
A pinion tree 6 ins. diam. bears N. 37° W. 2 lks marked T 24 S. R 4 W

North Boundary T 25 S R 4 W.

Chains S. 33 B T
A Pinion tree 5 in. diam bears
N 71° E 44 lks marked T 24 S R 4
W. S 34 B T. -
A cedar tree 11 in diam bears
S 17° E 20 lks marked T 25 S R
4 W. S. 3 B.T.
A pinion tree 8 in. diam bears
S 83° W 29 lks. marked T 25
S R 4 W S. 4 B.T.
Land, high mountains very broken 80 chs.
Soil, rocky, gravely, 4th rate
Timber, cedar and pinion, good
for firewood and posts only. —

East on true line bet. secs 3 and 34
Va 16° 47' E
Descend broken ridge, slope N
6,00 Wash drain S E in bottom of gulch
32,00 Wash drain N E in bottom of gulch
Ascend on side of ridge
40,00 The 4 cor. bet. secs. 3 and 34
end of old survey and resurvey line
Land Mountainous very broken 40 chs

North Boundary T 25 S R 4 W

Soil, rocky, gravely 4th rate
Timber, scattering pinion
and cedar of no commer
cial value. –

October 14th 1891

West boundary T 25 S R 4 W

Main Survey commenced October 13th 1891 with a W & L E Gurley light mountain transit with Burt solar attachment. –

NOTE: This morning at 5h 47m a.m. at my camp which is located close to the temporary corner of Townships 24 and 25 S. ranges 4 and 4½ W. as set by me last night – I take an observation on Polaris at its western elongation and turn off the azimuth-angle 1° 38' E and drive a picket on the line thus found 4 chs. north of the instrument. – The magnetic variation is 16° 50' E I now mark the exact center under the instrument and perpetuate the line for further reference. At 9 a.m I return to the line established this morning and take an observation on the Sun with the solar attachment to my transit to test its accuracy

West boundary T 25 S. R 4 W

chains and find it true. — Va. 16°52' E
mean variation 16°50' E

Being necessary to resurvey a portion of the west boundary of T. 25 S. R 4 W in order to establish the corner to townships 24 and 25 S. Ranges 4 and 4½ W. which can not be found. - I go to the corner to secs 25-30-31 and 36 on West boundary T. 25 S. R 4 W. and at 10 a.m. October 13th 1891, I take an observation on the Sun with solar attachment to my transit. The magnetic variation thus found is 16°51' E. and the mean variation is 16°50' E. according to table in manual. — I begin at the cor. to secs 25-30-31 and 36 on west boundary T. 25 S. range 4 W. which is a trachyte rock 7 x 7 x 6 ins. above ground marked with 1 notch on S. and 5 notches on N. edge

West boundary T 25 S R 4 W

chain a mound of stones 1½ ft high 2 ft base alongside. - Thence Trun North bet. secs. 25 and 30 Va. 16°51' E

ascend, very broken surface

18.50 Ridge about 300 ft above cor. course N.E and S.W. Descend

23.00 Divide at head of two gulches draining in opposite direction N.E. and S.W.

36.50 Wash in draw, course S.E.

40.00 Intersect ¼ sec. cor. as found: a porphyry rock 8 x 6 x 4 ins above ground marked ¼ on W. face and mound of stones 1½ ft high 2 ft base alongside. - A Pinion 9 ins diam bears S 30° W 26 lks " " " " " " N 88° E 21" both marked ¼ S.B.T.

Ascend gradually along SE slope of main mountains through pinion and cedar timber

80.00 Intersect the cor. to secs. 19-24-25 and 30, as found: a puding stone 6 x 6 x 5 ins above ground marked with 2 notches on S and 4 notches

West boundary T 25 S R 4 W

chains on N. edges: a mound of stones alongside is partly scattered. hence I rebuild same 1½ ft. high 2 ft. base. - Pits impracticable. -
a cedar tree, as found: 9 ins diam bears S 73° E 30 lks. marked S, 30 T. 25 S. R 4 W. - no other trees within proper distance. -
Land mountainous 80 chs
Soil rocky 4th rate
Timber, scattering cedar and pinion

North bet secs. 19 and 24
Va. 16° 51' E

ascend

5.00 Top of ridge course E and W descend
7.50 Gulch, drains E ascend
10.00 Top of ridge, course E and W. descend
13.00 Gulch drains E. ascend
19.50 Top of ridge, course E and W. descend
23.00 Gulch drains E. ascend
27.50 Top of ridge course S E descend
29.50 Junction of two gulches drain E, asc.
34.00 Top of ridge course N. W. descend

West boundary T 23 S R 4 W

Chains

37,00 Gulch drains S.E. ascend

40,00 Sec 1/4 sec. cor. as found a shale stone 20x7x4 ins: was washed out being flat and mound scattered I reset cor. stone 15 ins in ground with 1/4 marked W. face: raised a mound of stones 1½ ft high 2 ft base along side. Pits impracticable A pinion tree 5 ins diam bears N 55° E 35 links:

A pinion tree 6 ins diam bears N 23° W 55 lks both marked 1/4 S B.T. — as found:—

45,00 Point of ridge course N.E. descend

50,00 Gulch drains S.W. ascend

56,00 Point of ridge course N.W. descend

58,00 Gulch drains S.E. ascend

62,00 Top of ridge course N.W. descend

64,00 Gulch drains S.E. ascend

80,00 Intersect cor. to secs. 13-18-19 and 24 as found: a rachystrocks 14x11x6 ins. above ground marked with 3 notches on S. and N. edges a mound of stones by side of same

West boundary T. 25 S R 4 W.

chains A pinion tree 9 in diam bears S 70° E
19 30 lks marked T. 25 S. R 4 W S 19 B T
A pinion tree 6 in diam. bears N 10
22 lks marked T. 25 S. R. 4½ W. S. 13 B T
A pinion tree 14 in diam bears S 89
56 lks marked T 25 S R 4½ W. S. 24 B. T.
A pinion tree 6 in diam bears N 8° E
40 lks. Marked T 25 S R 4 W S 18 B T.
all as found. –
Land high mountains 80 chs
soil rocky, 4th rate
Timber: scattering cedars and pinion

At 1 pm October 13th 91 diurnal change has diminished the variation 5'

North bet. secs 13 and 18
Va. 16° 46' E

ascend

1.00 Top of ridge course SE and NW
descend

10.50 Gulch drains SE, ascend. steep slope

31.00 Top of ascent, enter high plateau, Course E. of N. ascend gradually.

West boundary T 25 S R 4 W

chains	
40.00	The obl. 1/4 cor. could not be found I set a trachyte rock 24 x 14 x 6 in 18 in. in the ground for 1/4 sec cor marked 1/4 on W. face; raised a mound of stones 1½ ft high 2 ft base alongside. Pits impracticable —
	Descend to
42.00	ravine, drains E
53.00	" " " ascend
70.00	Top of high ridge bears S.E. and N.W.
80.00	Intersect the cor. to secs 7-12-13 and 18. as found; a trachyte rock 7 x 6 x 5 in. above ground marked with 4 notches on S. and 2 notches on N. edges — a mound of stones alongside is partly scattered which I rebuild 1½ ft high 2 ft base. Pits impracticable
	Land high mountains, 80 chs soil rocky, gravely, 4th rate
	No timber — some oak brush

North bet. secs. 7 and 12
Va 16° 46' E

West boundary T. 25 S. R. 4 W.

Chains	Descend
7,50	Gulch drains S.E., ascend
31,00	Top of ridge course S.E. and N.W. ~~Descend~~
35,00	Gulch drains E., ascend
40,00	Intersect 1/4 sec. cor. as found: a trachyte rock 18 x 10 x 6 ins. marked 1/4 on W face. - It is partly washed out leaning down hill hence I reset the same as before and raised a mound of stones 1½ ft high 2 ft. base alongside. - Pits impracticable. -
44,00	Top of ridge course N.E. and S.W., Descend.
80,00	The old corner to secs. 1-6-7 and 12 could not be found (place shows heavy washing or slide). I set a trachyte 24 x 8 x 6 ins. 18 ins. in the ground for cor. to secs. 1-6-7 and 12 marked with 5 notches on S and 1 notch on N edges. I raised a mound of stones 1½ ft high 2 ft. base alongside. - Pits impracticable. -

West

Chains	Land
	Soil: g
	No tr
	At 7
	notic
	run
	Descend
10,50	Gulch
26,00	Top of
34,00	Gulch
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40,00	Intr
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	2 ft
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57,00	Top
75,00	Gu

West Boundary T 25 S R 4 W.

chains Land high mountain 80 chains
Soil: gravely, 3d rate
No timber, dence underbrush
October 13th, 1891

At 7 a.m. October 14th 91 the magnetic bearing of the line last run bet. secs 7 and 12 is S 16°53' E
North bet secs 1 and 6
Va. 16°53' E

Descend steep slope
10.50 Gulch drains N E. ascend
26.00 Top of ridge course E and W descend
34.00 Gulch drains E. spring in gulch 30 lks E of line 5 lks diam dr E tiny stream
ascend through dence oak brush
40.00 Intersect 1/4 sec. cor. as found, a trachyte rock 10 x 8 x 4 ins. above ground marked 1/4 on W. face
a mound of stones 1 1/2 ft high 2 ft base alongside. —
Pits impracticable
50.00 Top of ridge course E and W descend
75.00 Gulch drains E, ascend, slopes E

West Boundary T 25 S R 4 W

Chain

80.00 Dry dense oak brush on steep slope
Old cor to township not to be
found, probably covered up in
slide rock and brush.
Set a trachyte rock 30 x 11 x 9
ins. 22 ins in the ground for
cor to townships 24 and 25
S ranges 4 and 4½ W. marked
with 6 notches on N. S. E. and W.
edges; raised a mound of
stones 2 ft high 3 ft base
along side. Pits impracticable.
Land high mountains rocks
soil gravely rocky 3d rate
No timber - heavy oak brush
October 14th, 1891. 10 a.m.

General Description
For general description see sub-
division notes of T 25 S R 4 W

Andrew P Hanson
U S Dep. Surveyor

BOOK

U. S. SURVEY

Salt

The fore

resurvey

Township No

of the Salt L

Under Cont

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are hereby

U. S. SURVEYOR GENERAL'S OFFICE,

Salt Lake City, Utah. June 30th 1892

The foregoing field notes of the resurvey and survey of the North boundary and resurvey of the West boundary Township No. 45 South Range No. 4 West of the Salt Lake Meridian. Executed by Andrew P. Hanson Under Contract No. 178 of the 27th day of June 1891, in the month of October 1891, having been critically examined, the necessary corrections and explanations made, the said field notes, and the surveys they describe are hereby approved.

Ellsworth Daggett
U. S. Surveyor General for Utah.

BOOK-

REPORT:

Filed L

Examined by

Transcribed

Compared by

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Resurve

OF THE

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Township No

Range No.

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BOOK-A-233 ✓ 157

REPORT:

Filed December 28 1891

Examined by Gampe

Transcribed by Henry R. M. Atkinson

Compared by Gampe & Wm. H. Moore

FIELD NOTES

OF THE resurvey and SURVEY OF THE

Subdivisions

OF

Township No. 25 South

Range No. 4 West

OF THE

SALT LAKE BASE AND MERIDIAN

IN

UTAH TERRITORY,

AS SURVEYED BY

Andrew P Hanson

U. S. Deputy Surveyor,

Under his Contract No. 178

Dated June 27th 1891

Survey Commenced October 10th 1891

Survey Completed " 18th 1891

H. 21-36-95 ✓

L 2-79-92 ✓

NAMES AND DUTIES OF ASSISTANTS.

	Compassman.
✓ R H Barney	*Chainman.*
✓ Elias Gardener	*Chainman.*
	Chainman.
	Chainman.
✓ Joshua Gardener	*Axeman.*
✓ A Meacham	*Axeman.*
✓ Samuel Meacham	*Flagman.*

BOOK-A-2

Resurvey of
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Resurvey of a portion of the subdivision lines T. 25 S. R. 4 W.

Chains

Survey commenced October 10th 1891 with a W. & L.E. Gurley light mountain transit with Burt solar attachment. –
At the corner to sections 29-30-31 and 32, township 25 south range 4 west latitude 38°36' N. longitude 112°12' W. at 3h p.m. October 10th 1891 I take an observation on the sun with solar attachment to my transit which I have previously tested on a line established by an observation on Polaris, and found true. – The magnetic variation thus found is 16°48' E and the mean variation is 16°50' E.

I begin at the cor to secs. 29-30-31 and 32 township 25 S. range 4 W. by running north on a trial line between sections 29 and 30 on a Variation of 16°48' E. and at 40 chs. find the 1/4 sec. cor.

Resurvey. Subdivision T.25S.R.4W.

Chains on line but at 80 chs the sec. cor. can nowhere be found within proper limits and has probably been carried away by freshets of which evidence remains. I now return to the starting point and run west on a blank line same va. and at 80 chs intersect the west boundary of township at cor. to secs. 25-30-31 and 36. Having satisfactorily demonstrated that my alligrment corresponds to the course of the old survey; and also that the old corners are in part obliterated I make the following resurvey. From the corner to secs. 25-30-31 and 36 on W. boundary T.25S.R.4W. which is a trachyte rock 7x7x6 ins. above ground marked with 1 notch on S. and 5 notches on N. edges a mound of stones 1½ ft high 2 ft. base alongside. I run 1 East on true line bet. Secs. 30 and

Resurvey. Subdivision T.25 S. R.4 W.

Chains 31 -

Va. 16° 48' E

Descend through scattering pinion

8.00 Ravine, drain SE

24.00 Enter flat, cove from S.

38.50 Dry wash, course S.

40.00 Old 1/4 cor. not to be found. Set a trachyte rock 17 x 14 x 9 ins. 11 ins. in the ground for 1/4 sec. cor. marked 1/4 on on Nb face. raised a mound of stones 1½ ft. high 2 ft. base along side. - Pits inaccessible

4.00 Foot of broken ridge ascend

19.00 Top of ridge, course N. and S. descend

60.00 Foot of ridge enter broken flat

63.00 Dry wash course S

78.20 County road course NE and SW

80.00 Intersect north and south line at cor. to secs. 29-30-31 and 32 - which is a limestone rock 8 x 7 x 5 ins. above ground marked with 1 notch on S. and 5 notches on E edges: mound scattered

Resurvey Subdivisions T. 25 S. R. 4 W.

Chains I recut the notches which are nearly obliterated and raised a mound of stones 1½ ft. high 2 ft. base along side. - Pits impracticable. -

The original bearing trees have long since been removed and no trees remain within proper distance

Land - mountainous broken 43 ch

Soil - ridges rocky, bottom loose sand 2d and 3d rate

Timber a few scattering pinion

October 10th, 1891

At 7.30 a m October 11th 91 the magnetic bearing of the line bet. secs. 29 and 30 is N 16°53' W. Inv South bet secs 31 and 32

Va 16°53' E

2.75	Clear Creek 24 links wide 14 ins. deep general course N.E., ascend gradually
29.50	Road course N E and S W
32.75	Dry wash course N E
34.50	foot of steep broken mountain 1 end of

Resurvey Subdivision T. 25 S. R 4 W

aim Old survey: Witness corner a stationary limestone 4 x 3 x 2 ft above ground on line but marks wholly obliterated. - I remarked said rock W. C. and 1/4 on W. face and raised a mound of stones 1½ ft high 2 ft base alongside. Pits impracticable. -
This line further south is impracticable the mountain rises abruptly to a great height, very broken and rocky.
Land level bottom - 34.50 chs.
Soil alluvial, gravely 2nd rate
No timber, fringe of brush along creek

From the cor to secs. 29-30-31 and 32. I run
North bet. Secs 29 and 30
Va 16°53' E

1.50 Road from Beaver to Joseph City N.E and SW
6.50 Dry wash course SE
13.00 wood road " E and W
40.00 Old 1/4 sec. cor on line; which is a clay stone 8 x 6 x 5 in. above ground

Resurvey Subdivision T.25S.R.4W.

Chain	
	marked 1/4 on W. face: mark nearly obliterated and mound scattered. - I recut mark on stone and raised a mound stones 1½ ft. high 2 ft. base. Pits impracticable. -
48.00	Foot of ridge, Ascend
54.50	Top " " Descend
62.00	Dry wash in bottom of ravine course S. E. - Ascend
68.00	Top of ridge course S E from Main mountains, Descend
80.00	Old sec. cor. could not be found. Set a porphyry rock 18 x 16 x 9 ins 12 ins. in the ground for cor. to secs. 19-20-29 and 30 marked with 2 notches on S. and 5 notches on E. edges: raised a mound of stones 1½ ft high 2 ft. base alongside. Pits impracticable. -
	In bottom, and near head of cove open S.E. -
	Land rolling nearly level 48 chs mountainous 32 chs

Resurvey Subdivision T. 25 S. R. 4 W.

Chain Soil gravely and sandy 2de and 3d rate
No timber. —

At 10 am October 11th Diurnal change
has diminished the variation 2'
E at bet. secs. 20 and 29
Va. 16° 51' E.

1,00 ascend, slope facing S.
19,00 Ravine, drains S.
25,00 Top of ridge 300 ft above valley course
S E, from main mountain —
Deend, broken ridge
40,17 Old 1/4 sec. cor. not to be found. —
I set a porphyry rock 20 x 11 x 10 ins
.5 ins in the ground for 1/4 sec.
cor. marked 1/4 on N. face
raised a mound of stones 1 1/2 ft
high 2 ft. base alongside. Pits
impracticable. —
65,00 Foot of ridge, enter broken flat
80,34 Old sec. cor. not to be found. — Set
a porphyry rock 16 x 14 x 12 ins. 10 ins
in the ground for cor. to secs. 20-
21-28 and 29 marked with 2 notches

Resurvey Subdivision T. 25 S. R. 4 W.

Chains	
	on south and 4 notches on E edges; raised a mound of stones 1½ ft high 2 ft base alongside Pits impracticable. —
	Land Mountainous broken 65 chs soil, loose sand and boulders 4th rate Timber, a few scattering cedars. —
	North bet. secs. 20 and 21
	Va 16° 51' E.
5.00	Foot of ridge course E and W., ascend
17.00	Top " " " " " about 250 ft above corner; along broken ridge
29.00	Ravine drains E.
40.00	Old corner could not be found — set a trachyte rock 22 x 16 x 9 in. 16 in. in the ground for 1/4 sec. cor. marked 1/4 on W. face: raised a mound of stones 1½ ft high 2 ft base alongside — Pits impracticable. —
	Descend steep slope
51.50	Ravine drains E. wood road in bottom of same E. and W.; ascend

Resurvey, Subdivision T. 25 S. R. 4 W.

Chains	steep slope
7.50	Top of slope, enter broken bench
15.00	Descend, steep slope
19.70	Wood road in bottom of deep ravine course E
20.00	Old corner not to be found. - Set a trachyte rock 20 x 14 x 2 in. 15 in in the ground for cor to secs. 16-17-20 and 21 marked with 3 notches on S and 4 notches on E edges: raised a mound of stones 1½ ft. high 2 ft. base alongside. Pits impracticable. - Land, broken, mountainous 75 chs. Soil gravely rocky 4th rate Timber a few scattering cedars. -

At 1 p.m. October 11th '91 diurnal change has diminished the variation 5'

North bet secs. 16 and 17

Va 16° 46' E

Ascend steep slope

4.50	Top of slope 150 ft above cor. enter foot hills: ascend gradually.

Resurvey. Subdivisions T.25 S.R.4 W.

Chains	
	over broken ridges
10.00	Wood road in draw E. and W.
24.00	Entire bench
25.50	wood road E and W. descend
29.25	" " in bottom of ravine E and W.
30.00	Dry wash " " " " " " "
36.00	wood road in ravine S.E.
40.00	1/4 sec. corner on line; a trachyte rock 8 x 10 x 8 ins. marked 1/4; washed out and fell over, mound scattered; I reset rock with 1/4 on W. face, and raised a mound of stones 1½ ft high 2 ft. base. Pits impracticable. A pinion tree 8" diam. bears N 87° W. 37 links marked 1/4 S.B.T. as found. — As stump bears East 10 lks which was probably marked originally. Ascend steep slope
46.00	Top of ridge course E. from main mountains. descend
48.50	wood road in ravine course E and W. Ascend

Resurvey Subdivisions T. 25 S. R. 4 W.

Chains	
56.00	Top of ridge, runs E and W, Descend
63.00	Wood road in bottom of ravine runs E and W. ascend
68.00	Top of ridge runs E and W. descend
73.00	Road in bottom of ravine Course E and W. - ascend
80.00	The cor. to Sec. 8-9-16 and 17 on line 1 a trachyte rock 15 x 10 x 6 in above ground; marked with 4 notches on S and E edges; a mound of stones alongside partly scattered, which I rebuild 1½ high 2 ft. base. - Pits impracticable. -

At foot of main mountains. -
Land mountainous very broken 80 cm
Soil gravely and rocky 4th rate
Timber a few scattering pinion. -

At 3 p m October 11, 91 diurnal change has increased the variation 2' Thence I run
N 89° 53' E. bet. secs. 9 and 16

Resurvey Subdivision T. 25 S. R. 4 W.

chains	
	Va. 16°48' E
	Descending gradually, broken slope
18.25	Draw. course, S.E.
39.94	The 1/4 sec. cor. on line! a trachyte 10 x 8 x 5 ins above ground marked 1/4 on N. face! a mound of stones 1 1/2 ft. high 2 ft. base along side.- Pits is impracticable
75.15	Dry wash in gulch drain N.E.
79.88	The cor. to secs 9-10-15 and 16 on line! a trachyte rock 13 x 11 x 6 ins above ground marked with 4 notches on S. and 3 notches on E. edges! marks are nearly obliterated and the mound scattered. hence I recut the notches on stone and rebuilt the mound 1 1/2 ft high 2 ft. base along side Pits impracticable..
	Land, foothills, broken, 79.88 Chs
	Soil: gravely, rocky, 2nd and 3rd rate.-
	Two timber - heavy sagebrush

Resurvey Subdivision T. 25 S. R. 4 W.

chains At 4.30 p.m. October 11th, 1891 diurnal change has increased the variation 1'. — I run North bet. Secs 9 and 10

Va. 16°49' E.

Along rolling bench, sloping gently E

3.00 Dry wash drains N. E.

37.00 Cross gulch near its head drains E.

40.00 The 1/4 sec. cor. could not be found rock probably ben carted away by settlers; I set a trachyte rock 32×12×10 in 24 in in the ground for 1/4 sec. cor. marked 1/4 on W. face raised a mound of stones 1½ ft. high 2 ft base alongside Pits impracticable. —

52.50 Ravine, drains E. —

74.00 Dry wash, in draw, course E. —

80.00 The cor. to secs. 3-4-9 and 10 bears West 12 links; a trachyte 18×12×10 ins, partly turned over and mound also in part scattered. (wood road close by and wagon tracks show the cause of disturbance.)

Resurvey Subdivision T 25 S.R.4.W

chains I remove the old corner stone to this point and set same 2 ins. in ground with 5 notches on S. and 3 notches on E. edges for cor. to secs. 3-4-9 and 10; raised mound of stones 1½ ft. high 2 ft. base Along side (removed all traze of old corner). Pits impracticable Land, rolling, broken bench 80 chs. Soil gravely 2d rate
No timber! heavy sage brush
October 11th 1891

At 7.30 a.m. October 12 1891 the magnetic bearing of the line bet. secs. 9 and 10 is S16°53'E.
West bet. secs. 4 and 9
Va 16°53'E
Ascend gradually; sage and underbrush.
17.60 Stream 2 links wide 4 ins deep Course S.E.
Ascend main mountains
40.00 End of old survey, ¼ sec. cor. not to be found. I set a trachyte

Reservoy Subdivision T. 25 S. R. 4 W.

rain rock 18 x 14 x 11 ins. 12 ins in the ground for 1/4 sec. cor. marked 1/4 on N face; raised a mound of stones 1½ ft. high 2 ft base Alongside. - Pits impracticable. -
Land mountainous, rolling
Soil gravely and rocky 2nd and 3rd rate. -
Timber, scattering cedars. heavy sage brush and some oak brush

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from the cor. to secs. 3.4-9 and 10
East between secs. 3 and 10.
Va. 16°53' E.
Descend gradually.
3.60 Wood road run S 80° E
13.50 Leave same
23.50 Wood road N.E and S.W.
40.11 The 1/4 sec. cor. on line, a bracket rock 12 x 8 x 6 ins above ground
40.11 marked 1/4 on N. face; a mound of stones 1½ ft high 2 ft. base along side. -

Resurvey Subdivision T. 25 S. R. 4 W.

Chain

65.00 Leave bench, enter bottom land

80.22 The Cor. to Sec. 2-3-10 and 11 on line: a brachytite rock 10 x 8 x 6 in. above ground marked with 5 notches on S. and 2 notches on E. edges: the mound of stones alongside has fell over, hence I rebuild the same 1½ ft. high, 2 ft. base. — Pits impracticable. —

Land rolling bench 65 chs. level 15.22

Soil gravely 3rd rate 65 " alluvial loam 2nd rate 15.22 chains

No timber, heavy sage brush 16.51

At 9.30 a.m. October 12th Diurnal change has diminished the variation 2'

North bet. Sec 2 and 3

Va. 16°51' E

' Over sage brush flat

4.00 Wood road E and W.

22.00 Dry wash course E.

37.00 " " " S.E.

Resurvey Subdivision T.25 S.R.4 W.

Chains

40.00 The 1/4 sec. cor. on line. a trachyte rock 12×10×6 ins. above ground marked 1/4 on W. face; a mound of stones 1½ ft high 2 ft. base alongside -
Ascend gradually

72.00 Dry wash course S.E.

80.08 Intersect the cor. to secs 2-3-34 and 35 on north boundary of township: which is a trachyte rock 12×7×6 ins. above ground marked with 2 notches on E and 4 notches on W edges; a mound of stones alongside is partly scattered hence I rebuild the same 1½ ft high 2 ft base. - Pits impracticable. -
Land level flat 40 chs rolling bench 40.08 chs.
Soil aluvial loam 2de rate 40 chs
Gravely rocky 3de rate 40.08 chs.
No timber, heavy sage brush 40.08 chs

October 12th 1891. 10 a.m.

BOOK

chains

80.04

7.00 Top

28.00

40.04

Subdivisions T. 25 S. R. 4 W.

chains Survey commenced October 15th 1891
with a W. L. E. Gurley light mountain transit with solar attachment
at 8 a.m. October 15th 91 at the cor.
to secs 3-4-9 and 10 T. 25 S. R. 4 W.
Take a back sight on the line bet.
secs 9 and 10 and find its magnetic bearing to be S 16° 53' E.
and the mean variation 16° 50' E
North on random line bet. secs.
3 and 4
Va. 16° 53' E

40.00 Set temporary 1/4 sec. cor.
80.04 Intersect North boundary of township
at corners to secs. 3-4-33 and 34.
South on a true line bet. secs 3 and 4.
Same Va
Ascend
7.00 Top of ridge course S.E., descend
28.00 Dry channel course E, at foot of mountain
enter broken bench
40.04 Set a trachyte rock 27 x 14 x 11 ins
19 ins in the ground for 1/4 sec cor.
marked 1/4 on W face raised a

Subdivision T. 25 S. R. 4 W.

chain mound of stones 1½ ft. high
2 ft. base alongside. - Pits
impracticable.
54.00 Dry Channel 5 links wide Course E
ascend gradually.
79.60 Road to mountains from Joseph Cy Course E
80.04 The cor to secs. 3-4-9 and 10
Land rolling, broken. Mountainous 80
Soil rocky 2d rate
No timber, heavy sage brush 80.04 Ch

At the cor. to secs. 8-9-16 and 17
I take a back-sight on the line bet.
secs. 16 and 17 a. ed. at 10 a.m. October
15th 9/0 find its magnetic bearing
to be S. 16° 51' E. - Thence Drive
North bet. secs. 8 and 9
Va 16° 51' E
Ascend, enter mountains
17.00 Enter Cedar and pinion timber
40.00 Set a trachyte rock 18 x 14 x 8 ins. 12 in
in the ground for ¼ sec. cor marked
¼ on W face. raised a mound of
stones 1½ ft high 2 ft base alongside

Subdivision T. 25 S. R. 4 W.

chain A cedar tree 10 in diam bears S 71° W
14 links distant marked 1/4 S T.
A pinion tree 9 in. diam. bears N 30°
W. 8 links marked 1/4 S B T. –
01.00 Top of ridge course SE about 500 ft
above sec. cor., descend
80.00 Set a trachyte rock 18 x 16 x 13 in.
12 in. in the ground for cor. to secs
4-5-8 and 9 marked with 5 notches
on south and 4 notches on east
edges; raised a mound of stone
1½ ft high 2 ft. base alongside.
A pinion tree 14 in. diam bears S 30° E
3 links marked T. 25 S. R. 4 W. S. 9 B. T.
A pinion tree 8 in. diam bears S 49° W
35 links marked T 25 S R 4 W S 8 B T
A pinion tree 11 in. diam. bears N
65° W 20 links marked T. 25 S R 4 W S. 5 B.T.
A cedar tree 8 in. diam bears N 47° E
26 links marked T. 25 S R 4 W S 4 B.T.
Land mountainous, 80 chs.
Soil rocky, gravely 3d rate
Timber cedar and pinion of no
commercial value.

Subdivision T. 25 S. R. 4 W.

chains East on a random line bet. secs 4 and 9

Va. 16° 51' E

Descend through timber

40.00 Intersects 1/4 sec. cor. bet. secs. 4 and 9 which is the end of old survey, and resurvey line.

West on a true line bet. secs. 4 and 9 on same Va.

Ascend through timber

21.00 Top of ridge course S.E. descend

39.40 Dry channel in bottom of gulch course S.E.

40.00 The cor. to secs. 4-5-8 and 9 and mountainous very broken 40 chs. Soil rocky 4th rate Timber Cedar and pinion

North on a random line bet. secs. 4 and 5 — (By solar, owing to local attraction which is very variable)

Va 17° E

40.00 Set temporary 1/4 sec. cor.

80.10 Intersects north boundary of township 8 links west of cor. to secs. 4-5-32 and 33. — Thence run S. 0° 3' W. on a true line bet. secs. 4 and 5 same Va.

Subdivision T. 25 S. R. 4 W.

Chains Descend through scattering Timber
9.00 Road in bottom of gulch course SE
Ascend steep slope
26.00 Top of ridge course SE 300
feet above gulch. Descend
37.90 Stream Course S.E. 2 lks wide 3 in
deep: in bottom of deep narrow gulch
Ascend
40.10 On top of ridge, slopes E., set a
trachyte rock 22 x 13 x 10 ins.
16 ins. in the ground for 1/4
sec. cor. marked 1/4 on
W. face: raised a mound
of stones 1½ ft. high 2 ft
base alongside.—
Pits impracticable.
Descend
45.00 Ravine course E., ascend
steep slope.—
57.50 Top of ridge course SE about 350 ft.
above creek, descend
1955 Wally drain S.E.
80.10 The cor. to Secs. 4-5-8 and 9
Land, high, mountainous
broken and rolling 80.10 chains

Subdivision T. 25 S. R. 4 W.

chains Soil rocky, gravely 4th rate
Timber scattering pinion and
cedar.

October 15th 1891

At 7 a.m. October 16th Put the
cor. to secs. 19-20-29 and 30 I
take a back-sight on the line
between secs. 29 and 30 as run
by me on resurvey line October
11th! which is a true north and
south line. I find its magnetic
bearing to be S 16° 53' E. —
Thence I run
West on a random line bet.
secs. 19 and 30
Va 16° 53' E
40,00 Set temporary 1/4 sec. cor.
80,00 Intersects west boundary of town-
ship at cor. to secs. 19-24-25 and
30. Thence I run
East on true line bet. secs.
19 and 30 same va.
Descend.

Subdivision T. 25 S. R. 4 W.

Chains

12.00 gulch course SE, ascend

17.00 Top of ridge course SE descend

29.00 Ravine course S.E. ascend

31.00 Top of ridge course S, descend

34.00 Dry channel in gulch course SE ascend

40.00 Set a shale rock 29x15x5 ins. 21 ins. in the ground for 1/4 sec cor. marked 1/4 on N. face! raised a mound of stones 1½ ft high 2 ft. base alongside. Pits impracticable

48.00 Top of ridge, course SE descend

58.30 Dry channel in Gulch course SE, ascend

69.00 Top of ridge course SE. descend over steep bluff

80.00 The cor. to secs 19-20-29 and 30

Land mountainous, very broken soil mostly loose sand and conglomerates.

Timber a few scattering cedars

North bet secs. 19 and 20

Va 16°53' E

Subdivision T. 25 S. R. 4 W.

chains

2.00 Dry channel, 6 links wide, course ascend

25.00 Top of ridge course S.E., thence over rolling ground. —

40.00 Set a porphyry rock 20 x 12 x 7 ins 15 ins in the ground for 1/4 sec. cor. marked 1/4 on W face; raised a mound of stones 1½ ft high 2 ft base alongside. —
Pits impracticable. —

41.00 Gulch, drains S.E., ascend

52.00 Top of ridge course S.E., ascend

59.00 Gulch drains S.E., ascend rolling slope through scattering timber

80.00 Set a trachyte rock 25 x 16 x 10 ins 18 ins in the ground for cor. to secs. 17-18-19 and 20 marked with 3 notches on S and 5 notches on E edges; raised a mound of stones 1½ ft. high 2 ft base alongside. —
A pinion tree 8 ins diam. bears N 45° W. 30 links marked T. 25 S. R. 4 W. S. 18 B.T. —

Subdivision T. 25 S. R. 4 W.

Chain A pinion tree 10 in. diam. bears S 17° E 52 links marked T 25 S R 4 W. S. 20 B.T. - No other trees within proper distance. -

Land high, mountainous broken 80 ch.
Soil south half loose sand! north half rocky - 4th rate Timber scattering pinion and cedar of no commercial value. -

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At 11 a.m. October 16th Journal change has diminished the variation 4'

East on a random line bet. secs. 17 and 20.

Va 16° 49' E

40.00 Set temporary 1/4 sec. cor.

80.20 Intersect the north and south line at cor. to secs. 16-17-20 and 21. - Thence I run West on a true line bet secs. 17 and 20 same Va.

Ascend gradually ravine

11.00 Cross road and ascend S side of

Subdivision T. 25 S. R. 4 W.

chains ravine - turns N.W.

24.00 foot of main mountain ascend

40.10 Set a trachyte rock 18 x 14 x 11 ins 12 ins. in the ground for 1/4 sec. cor. marked 1/4 on N. face. raised a mound of stones 1½ ft high 2 ft base alongside Pits impracticable. —

49.00 Top of ridge, decend, broken slope towards S.

80.20 The cor. to secs. 17 18 19 and 20 Land Mountainous very broken Soil rocky, gravely 3d rate Timber scattering Cedar and pinion. —

At 1 p.m. October 16, 91 diurnal change has diminished the variation 3'

West on a random line bet. secs 18 and 19

Va 16° 46' E

43.00 Set temporary 1/4 sec. cor.

79.95 Intersect the west boundary

Subdivision T. 25 S. R. 4 W.

chains of township at cor. to secs. 13-18-19 and 24. chains run East on a true line bet. secs. 18 and 19 same Va.

1.00 Top of steep slope, descend

12.00 Dry channel in bottom of gulch about 400 ft. below corner; course SE

Ascend broken slope

24.50 Top of ridge, descend gradually.

39.95 Set a trachyte rock 25 x 15 x 12 ins. 18 ins. in the ground for 1/4 sec. cor. marked 1/4 on N face; raised a mound of stones 1½ ft. high 2 ft. base alongside. Pits impracticable.

51.00 Gulch course S — slope S

60.00 cross head of gulch course S.E.

79.95 The cor. to secs 17-18-19 and 20

Land high mountains very broken

79.95 chains

Soil. rocky 4th rate

Timber scattering Cedars and pinion! of no commercial value.

At 3 p.m. October 16th Diurnal change has increased the variation 2'

Subdivisions T. 25 S. R. 4 W.

chains North bet. secs 17 and 18.
Va 16° 48' E.
Ascend, through scattering timber
22.00 Top of ridge 500 ft above corner
Descend.
36.00 Ravine Course E. ascend
40.00 Set a trachyte rock 30 x 14 x 10 ins.
22 ins. in ground for 1/4 sec. cor.
marked 1/4 on W. face! raised
a mound of stones 1½ ft. high
2 ft base along side. - Pits im-
practicable. -
Ascend gradually.
48.70 ravine Course S E, ascend high
ridge. -
60.00 Top of ridge about 400 ft above
1/4 corner. Descend steep slope
79.70 Indian Creek? 6 ins wide 2 ins. deep in
bottom of gulch about 500 ft. below
top of last ridge! Course S E. along
1/4 mile below here, ...
80.00 - Set a trachyte rock 30 x 9 x 8 ins.
22 ins in the ground for cor to
secs. 7-8-17 and 18 marked

Subdivision T. 25 S. R. 4 W.

chains with 4 notches on S. and 5 notches on E edges! raised a mound of stones 1½ ft. high 2 ft. base alongside. —

A pinion tree 14 ins diam bears N 20° E 9 links distant marked T. 25 S. R. 4 W. S. 8 B.T.

A pinion tree 6 ins. diam. bears N. 41° W. 37 links distant marked T 25 S. R. 4 W. S. 7 B.T.

A cedar tree 11 ins. diam bears S 18° W. 21 links distant marked T. 25 S. R. 4 W. S. 18 B.T.

A pinion tree 8 ins diam bears S 33° E. 29 links distant. marked T. 25 S. R. 4 W. S. 17 B.T.

Land mountainous on 88.00 chains

Soil rocky, gravelly 4th rate

Timber scattering. Cedars and pinion of no commercial value. —

October 16th 1891

At 9 a.m. October 17 (1891) take an observation on the Sun with solar attachment to my transit; as the ~~the~~ local attraction has been very strong for some distance. — Run East on a random line bet. secs.

Subdivision T. 25 S. R. 4 W.

chains 8 and 17. — by solar observation,
Va. 18°15' E

40.00 Set temporary 1/4 sec. cor.

80.00 Intersects north and south line at cor. to secs. 8-9-16 and 17
thence 0 run
West on a true line bet. secs. 8 and 17. by solar, —
Va. 16°52' E at corner,
Ascend, slope facing S.

13.00 Top of ridge falls S to cânon, descend

28.00 Road from Joseph City to top of mountains course N. W.; in bottom of deep cânon drains S.E., ascend broken steep ridge.

40.00 Set a trachyte rock 2 [illegible] [illegible] in the ground for 1/4 sec. cor. marked 1/4 on N. face; raised a mound of stones 1½ ft high 2 ft base Alongside.
Pits impracticable. — Va. 16° E

42.00 Top of ridge course SE, descend on slope facing S. W.

80.00 The cor. to secs. 7-8-17 and 18

Subdivision T. 25 S. R. 4 W.

chain Land, mountains very broken 80.00 chains
soil rocky gravely 4th rate
Timber scattering cedar and
pinion of no commercial value

West on random line bet. secs.
7 and 18. – (By solar)
Va 18° 15' E

110.00 Set temporary 1/4 sec. cor.

79.80 Intersects the west boundary of
township at cor. to secs 7-12-13
and 18. – Thence I run
East on a true line bet. secs 7 and
18. Va. 16° 47' E. – (at corner)
Descend gradually on high plateau

11.00 Ravine drains S.E

39.80 Set a trachyte rock 18 x 12 x 10 ins
12 ins in the ground for 1/4 sec cor
marked 1/4 on the face raised a
mound of stones 1½ ft high 2 ft
base alongside. Pits impracticable
Descend on slope facing N.E. Va 17° E

79.00 Indian Creek in bottom of deep gulch.
2 links wide 2 ins. deep drains S.E

Subdivision T. 25 S. R. 4 W.

Chains

79.80 The cor to Secs. 7-8-17 and 18
Land high mountain 79.80 chs
Soil gravely, rocky 4th rate
Timber scattering pinion and cedar
of no commercial value. —

North bet. Secs. 7 and 8
Va 18° 48' E
(Run by solar observation)
Ascend steep slope
28.00 Top of ridge about 1000 ft. above
sec. cor. course SE.
Variation here is 12° 20' E. descend
steep slope —
40.00 Set a trachyte rock 20 x 16 x 8 ins.
4 ins in the ground for 1/4 sec
cor: marked 1/4 on W. face
raised a mound of stones 1½ ft.
high 2 ft. base alongside.
A cedar tree 8 ins. diam. bears
N 40° W 30 links marked 1/4 S.B.T.
A pinion tree 9 ins. diam. bears
N 10° E 43 links marked 1/4 S.B.T.

Subdivision T. 25 S. R. 4 W.

Chains

62.50 Foot of ridge enter flat; road 1 ch E.

80.00 Set a trachyte rock 27 x 14 x 12 in. 19 in. in the ground for cor. to sec. 5-6-7 and 8 marked with 5 notches on S and 5 notches on E edge; raised a mound of stone 2 ft high 3 ft base along side. —

Pits impracticable. —

Land high mountains on 62.50 chs.

Soil gravelly and rocky 2nd and 4th rate

Timber a few scattering cedar and pinion on ridge. —

At 2 p.m. October 17th the magnetic variation is 16° 47' E

Thence I run

East on a random line bet. secs 5 and 8.

(Va 16° 47' E

40.00 Set temporary 1/4 sec. cor.

80.00 I stretch north and south line at cor. to secs. 4-5-8 and 9

Thence I run

Subdivisions T. 25 S.R. 4 W.

chains West on true line bet. secs. 5 and 8 same vo.
Ascend through timber
19.50 Top of ridge course S.E. descend
40.00 On top of ridge course S. Set a trachyte rock 18 x 13 x 12 in. 12 in. in the ground for 1/4 sec. cor. marked 1/4 on N. face; raised a mound of stone 1½ ft high 2 ft. base along side. Pits impracticable
Descend through oak brush
75.00 Foot of ridge, leave brush, enter flat
79.94 Road from Joseph City to top of mountain course N.
80.00 The cor. to secs. 5-6-7 and 8
Land, high mountains 75. Chains
Soil gravely 2d and 3d rate
Timber scattering cedar and pinion 40 Chs. Oak brush and sage

---

West on a random line bet. secs. 6 and 7
Va. 16° 47' E
40.00 Set temporary 1/4 sec. cor.

Subdivision T.25 S.R.4W.

chains

79.70 Intersects west boundary of township 14 links south of Cor. to secs. 1-6-7 and 12. — Thence I run S.89°54 E on a true line bet. secs. 6 and 7. same va.
Descend through oak brush

31.50 Indian Creek in gulch, 3 links wide 2 in. deep Course S.-ascend

39.70 Set a trachyte rock 16×12×9 ins. 11 ins in the ground for 1/4 sec cor. marked 1/4 on N. face; raised a mound of stones 1½ ft. high 2 ft. base alongside Pits impracticable.

47.00 Top of ridge about 400 ft. above stream Course N and S. descend

75.40 Foot of ridge, enter flat

79.70 The corner to secs. 5-6-7 and 8 Land high mountains 75.40 Chs. Soil gravelly 2 and 3rd rate No Timber — oak brush. —

October 17th 1891

Subdivision T. 25 S. R. 4 W.

chains	
	At 7 a.m. October 18th, 91 the magnetic variation is 16°53'E. I run.
	North on a random line bet. secs. 5 and 6
	Va 16°53'E
40.00	set temporary 1/4 sec. cor.
80.06	Intersect the north boundary of township at cor. to secs. 5-6-31 and 32. Thence I run South on a true line bet. secs 5 and 6 same va.
	Descend through oak brush
3.00	Dry channel 5 links wide at foot of ridge course S.E. road 10 lks west course N.W. and S.W.
	Descend along bottom of gulch
26.00	Road from Joseph City course S.E.
35.00	Ascend Knoll
40.06	Set a trachyte 30 x 12 x 9 ins. 22 ins in the ground for 1/4 sec. cor. marked 1/4 on W. face I raised a mound of stones 1½ ft. high 2 ft. base alongside Pits impracticable. —

Subdivisions T. 25 S. R. 4 W.

Chains	Descend
62.00	Foot of Knoll enter flat.
79.98	Road from Joseph city Course N.E.: a broad trail turns N.W. from road [illegible] —
80.00	The corner to secs. 5-6-7 and 8 Land high mountains 62,00 chs. Soil gravely 2d and [illegible] rate Timber scattering cedars and pinion on Knoll. — October 18th, 1891.

General Description.

The portion of this township included in this survey is all mountainous beginning at the edge of the Sevier Valley and extending over the eastern slope of the Pah Vant Mountains, the highest portion of which is along the western boundary of this township. It contains a scattering growth of pinion and cedar timber excelent for firewood but of no commercial

Subdivision T. 25 S.R.4 W.

value.- The land is not suitable for cultivation excepting a few isolated patches: but afford good pasture, being watered by several springs and two small streams of excellent water: which disappear from the surface before reaching the valley excepting during a heavy rain or in spring while the snow melts.-

The claim of Thos W Ross who is one of the applicants for survey of this township, is located in secs. 6 his improvements consist of a loghouse and two corrals.- He is using this claim for a sheep ranch and others will be located for a like purpose as soon a title can be obtained.-

The surface is everywhere covered with a very dark volcanic rock containing a large percentage of iron: and bowlders and soil alike is composed of the same material.-

The local attraction is everywhere

General Description

noticeable to more or less extent the needle showing a variation from 12° E to 18°45' E. at different points of the survey, but I could discover no belt nor system and I believe the attraction is entirely of the surface and due to the before mentioned rock. - I ran the entire survey by long back-and fore sight and the solar as the needle was useless. —

I noticed a few indications of mineral other than iron but none very promising and I would not designate it as mineral ground. -

The claim of Lorenzo Nelson who is one of the applicants for survey of this township in which he supposed his claim to be located, I found to lay in section 28 township 24 S R 4 W his improvements consist of a loghouse about 14 x 16 feet and two corrals about 100 feet diameter, the claim covers

a good hay-meadow but no attempt has been made at cultivation owing to the great elevation and consequent short season. Total value of improvements about two hundred dollars.

Andrew P Hanson
U S Deputy-Surveyor

U. S. SURVEYOR GENERAL'S OFFICE,

Salt Lake City, Utah, June 30th, 1892.

The foregoing field notes of the ~~and~~ resurvey *survey of the*

Subdivisions

Township No. 25 South *Range No.* 4 West

of the Salt Lake Meridian. Executed by

Andrew J. Hanson

Under Contract No. 178 *of the* 27th

day of June *1891, in the month of*

October *1891, having been critically*

examined, the necessary corrections and explanations made, the said field notes, and the surveys they describe are hereby approved.

Ellsworth Daggett

U. S. Surveyor General for Utah.

BOOK-A

REPORT:

Filed Mch

Examined by

Transcribed by

Compared by

FIR

OF THE

Boun

Camera

Township No.

Range No.

SALT

Ed

Under

Dated

Survey Com

Survey Com

BOOK-A-233 5 203

REPORT:

Filed Mch 9 1893

Examined by Henry R. M. Atkinson

Transcribed by Kate F. Burton

Compared by H. R. M. Atkinson & K. F. Burton

FIELD NOTES

OF THE SURVEY OF THE

Boundary of the Fort Cameron Wood & Timber Reservation

OF

Township No.s 29 & 30 S.

Range No.s 5, 6 & 7 West

OF THE

SALT LAKE BASE AND MERIDIAN

IN

UTAH TERRITORY,

AS SURVEYED BY

Edward F. Koeber

U. S. Deputy Surveyor.

Under his Contract No. 158

Dated May 3d 1889

Survey Commenced Septr 11th 1890

Survey Completed Septr. 16th 1890

21. 05, 24 C.

NAMES AND DUTIES OF ASSISTANTS

	Chainman.
A. Reiper	*Chainman.*
Geo. K. Davis	*Chainman.*
Richard Kearley	*Chainman.*
Wm H. Carpenter	~~*Chainman.*~~
R. C. Farrell	*Axeman.*
	Flagman.

Boundary of Fort Cameron Wood & Timber Reservation

Before commencing this survey I procured a copy of the letter of dedication on file in U. S. Surveyor Genls. Office at Salt Lake City, Utah and of which a copy follows.

War Department
Washington City
Novbr. 8: 1879

The President

Sir!

I have the honor to request that a Wood and Timber reservation for use of the Military post at Fort Cameron, in the Territory of Utah may be duly declared and set apart by the Executive with boundaries described as follows, viz.

Beginning at a point on the South boundary 1 mile and

Boundary of Fort Cameron Wood

3943 feet East of the S.W. corner of the Military reservation of Fort Cameron, Utah as enlarged by executive Order of April 13. 1877, and announced in General Orders No. 11. April 25. 1877 from Headquarters Department of the Platte, and running thence South 2 miles and 1540 feet. thence S. 69° 30' East 1307 feet to the left (South) bank of Birch Creek, thence following and meandering said left bank of said Birch Creek and the left (South East) Bank of its northernmost branch (successively in a south easterly, easterly and northeasterly direction) 7 1/2 miles to Rocky Butte near its source, thence North 3 3/4 Miles to Rocky Mountain on right bank of Bear River at Upper Narrows; thence West 2 miles and 150 feet

Wood & Timber Reservation

to the eastern boundary of the said Military Reservation; thence South following said Eastern boundary 1 mile 4320 feet to S.E. cor. of said Military Reservation; thence West following the south boundary of said Military reservation 4 miles 1337 feet to the point of beginning. The courses are true and run with a magnetic variation of 16° 5' E. as determined by the U.S. Land Survey in December 1869. The area is $21\frac{338}{640}$ square miles.

The proposed reservation is practically an extension of the post reservation, as will be seen from the accompanying plat, and the General Land Office reports that it is an unsurveyed land to which no

Boundary of Fort Cameron

claim has been filed there and further that no objection is known to the lands being set apart for military purposes.

I have the honor to be
Sir
with great respect
Your obedient Servant
Sgd. G. M. McCrary
Secretary of War.

On the night of Septr 10. 1890 I took an observation on the Star Polaris in accordance with instructions contained in the manual of Surveys and chose pickets on the line thus established.

Before commencing this survey I test my Solar Transit on the line established last night, and find it to

Wood and Timber Reservation

give me a variation of 16° E. which also corresponds with the variation by my Solar attachment.

Survey commenced Sept. 11. 1890 from the initial point which is one mile and three thousand nine hundred and forty three feet from the S. W. corner of the Military Reservation of Fort Cameron which was reestablished by me; said S. W. corner being also identical with the 1/4 sec. corner to secs. 26 & 27. Tp. 29 S. R 7 W. After a diligent search around this point and neighborhood and failing to find any vestiges of the original cor. I set a sandstone 18 x 14 x 12 x 12 in the ground for initial Monument of the Survey of Fort Cameron Wood and Timber Reservation marked

Boundary of Fort Cameron

I. M. O. M. R.

1st. Mile:
South
Var. 16° 10' E.

36.00 Gulch drains W.
40.00 Set a sandstone 10 x 9 x 6' 6" in the ground for 1/2 mile cor. to boundary of this reservation marked 1/2 M. O. M. R. on E. face and raised stone mound along side. Pits impracticable.
40.46 Wood Road bears N.W. & S.E.
62.30 Wash in Gully drains S.W.
72.00 Wash drains W.
80.00 Set sandstone 16 x 10 x 8" 12" in the ground marked 1 M. O. M. R. on E. face for first mile corner on the boundary of this reservation and raised stone mound along side. Pits impracticable.
Land Sagebrush brush
Soil. Gravelly and sandy 2' rate.
Timber. Few Cedars on E. side of line

Wood & Timber Reservation

2nd Mile.

South

Var. 16°10' E.

40.00 Set sandstone 13×10×8' 9" in the ground marked 1/2 M.O. W.R. on E. face for 1/2 mile cor. to boundary and raised stone mound alongside. Pits impracticable

50.00 Cross and Westerly gulch drains S.W.

80.00 Set burnt sandstone 20×10×8" 15" in the ground for 2nd mile corner marked 2.M.O. W.R. on E face of boundary and raised a stone mound alongside. Pits impracticable.

Land. Sagebrush brush

Soil. Sandy, gravelly 2nd rate

Timber. Scattering Cedars E. of line.

Boundary of Fort Cameron

3rd Mile

South

Var. 16°10'E.

5.50 Road and Wash in gulch drains S.W.

18.85 To S.W. corner of Reservation, no trace of original cor. where I set a sandstone 10×9×6'6" in the ground for angle corner to boundary marked < O.M.R. on E. face raised a mound of stones alongside. Pits impracticable

S. 69°30'E.

18.74 Set sandstone 12×10×6'8" in the ground for angle cor. to boundary marked < O.M.R. on N. face raised a stone mound alongside. Pits impracticable

N. 45° E.

2.41 40.00 Set sandstone 10×9×6'6" in the ground for 1/2 mile cor. to boundary marked 1/2 M.O.M.R. on N face, raised a mound of stones alongside. Pits impracticable.

Wood & Timber Reservation

N. 45° E.

1.11 Birch Creek 5 lks. wide 6" deep runs S.W.

1.42. Intersect Guide Meridian at cor. to fract. secs. 1 & 6. Tp. 30 S R 6 & 7 W. which is a sandstone 18×10×8" firmly set in the ground properly marked with stone mound alongside, where I set sandstone 10×9×8" 6" in the ground marked <O.M.R. for angle cor. on N. face to boundary, raised stone mound alongside. Pits impracticable.

S. 68° E.

38.58 80.00 Set sandstone 12×9×6" 8" in the ground for 3 mile cor. to boundary marked 3. M.O. M.R. on N. face, raised stone mound alongside. Pits impracticable.

Land. Sagebrush bench and Creek bottom.

Soil. Gravelly 2" rate.

Timber. scattering pines

Boundary of Fort Cameron

4th Mile

S 68° E.

Var. 16° 10' E.

2.56 Road bears N. E.

7.67 Intersect Closing cor. to secs. 6 & 7 T. 30 S. R. 6 W. which is a granite 16×11×9" firmly set in the ground properly marked with mound of stones alongside Pits impracticable.

14.87 Set granite 10×10×9" 6" in the ground for angle corner to boundary marked < O. M. R. on N. face raised stone mound alongside. Pits impracticable

N. 75° 45' E

13.60 Set sandstone 12×9×6" 8" in the ground for angle cor. to boundary marked < O. M. R. on N face, raised stone mound alongside Pits impracticable.

S. 47° E.

6.70 Road bears N. W. & S. E.

11.53 40.00. Set sandstone 15×10×8" 10" in the ground for 1/2 mile corner

Wood & Timber Reservation

marked 1/4 M.O.M.R on N. face, raised stone mound along side Pits impracticable.

S. 47° E.

.47 Intersect Closing cor. to Sect secs. 7 & 8. Tp. 30 S R. 6 W. which is a granite 14 x 10 x 8" firmly set in the ground properly marked with stone mound, alongside which I set granite 10 x 9 x 9" 6" in the ground for angle corner to boundary marked < O.M.R. on N. face, raised stone mound alongside. Pits. impracticable.

S. 58° 30' E.

8.53 80.00 Set granite 22 x 15 x 10" 18" in the ground for 4 min Cor. to Boundary marked 4. M. O.M.R. on N face, raised stone mound alongside. Pits impracticable

Land. Canon bottom

Soil Gravelly & rete

Timber. Cedar & Pine.

Boundary of Fort Cameron

5th Mile

S. 58°30' E

Var. 16°10' E

40.00 Set sandstone 14×9×6" 9" in the ground for 1/2 mile corner marked 1/2 M. O. M. R. on N face raised stone mound along-side. Pits impracticable

S. 58°30' E

3.47 Set flint rock 8×8×8" 6" in the ground for angle corner to boundary marked ∠ O. M. R. on N. face raised stone mound alongside. Pits impracticable.

S. 89° E.

18.30 Intersect closing corner to fract. secs. 8 & 9. T. 30 S. R 6 W. which is a granite 24×12×6" firmly set in the ground properly marked and stone mound, alongside where I set sandstone 14×9×9" 9" in the ground for angle corner, marked ∠ O. M. R. on N. face

Wood & Timber Reservation

raised stone mound along side. Pits impracticable.

N. 79° E.

8.23 80.00 Set granite 20 x 15 x 10" 15" in the ground for 5 mile cor. to boundary marked 5.M. O.M.R. on N. face, raised stone mound alongside, Pits impracticable. Land. Cañon bottom Soil. Gravelly 2" rate. Timber. scattering pines & Cedars.

Septbr. 11. 1890

6th Mile

N. 79° E.

Var. 16° 10' E.

4.5.77 Set granite 18 x 12 x 10" 12" in the ground for angle corner to boundary marked ∠ O.M.R. on N. face, raised stone mound alongside. Pits impracticable

N. 60° E.

4.23 40.00 Set granite 16 x 12 x 10" 12"

Boundary of Fort Cameron

in the ground for 1/2 mile co
marked 1/2 M. O. M. R. on N. fa
raised stone mound alongsi
Pits impracticable.

N. 60° E.

28.77 Set granite 10×10×10" 6" in
the ground for angle corner
to boundary marked ∠ O. M. R
on N. face raised stone mound
alongside. Pits impracticable
where I intersect closing cor.
to fract. secs. 9 & 10 Tp. 30 S. R 6 W
which is a granite 15×12×8"
firmly set in the ground
properly marked with stone
mound alongside.

N. 59° 15' E.

4.50 Set granite 14×10×8" 9" in the
ground for angle corner
marked ∠ O. M. R on N. face
raised stone mound along-
side. Pits impracticable.

S. 83° E.

6.73 80.00 Set granite 24×10×10" 18"
in the ground for 6 mile corner to boundary

Wood & Timber Reservation

marked 6. M. O. M. R. on N. face and raised a stone mound alongside. Pits imperceptible.
Land. Cañon bottom
Soil. Gravelly and sandy
Timber. scattering cedars and pines.

7th Mile.
S. 83° E.
Var. 16° 10' E
2.07 Set granite 9×8×7.6" in the ground for angle cor. marked L O. M. R. on N. face and raised a stone mound along side. Pits imperceptible.
S. 77° 45' E.
7.93 40.00 Set granite 20×15×10"/8" in the ground for 1/2 mile corner to boundary marked 1/2 M. O. M. R. on N. face raised stone mound along side. Pits imperceptible.

Boundary of Fort Cameron

N. 77° 45' E.

30.87 Intersect closing cor. to sect. secs. 10 & 11. Tp. 30 S. R 6 W. which is a granite 24×10×6" firmly set in the ground properly marked with stone mound alongside where I set sandstone 20×10×8" 18" in the ground for angle corner marked C. M. R. on N. face raised stone mound alongside. Pits impracticable

N. 89° 30' E.

9.13 80.00 Set granite 20×16×12" 15" in the ground for 1 mile cor. to boundary marked 1. N. O M. R. on N face, raised stone mound alongside. Pits impracticable.

Land. Canon bottom

Soil. Rocky loam.

Timber. Scattering cedars and pines

Wood & Timber Reservation

8th Mile

N. 89°30'E

Var. 16°10'E

4000 Set granite 16×12×10"12" in the ground for 1/2 mile corner marked 1/2 M. O. M. R. on N. face raised stone mound alongside. Pits impracticable.

N. 89°30'E.

0.87 Intersect closing corner to Secs. 11 & 12 Tp. 30 S. R. 6 W. which is a granite 16×12×6" firmly set in the ground, properly marked with stone mound alongside; where I set a granite 18×14×10"12" in the ground for angle corner to boundary marked < O. M. R. on N. face raised stone mound alongside. Pits impracticable

N. 57°E.

9.13. 8000 Set granite 20×16×12" 15" in the ground for 8 mile corner to boundary marked 8. M. O. M. R. on N. face, raised

Boundary of Fort Cameron

stone mound alongside. Pits
impracticable.
Land. Cañon bottom
Soil. Gravelly 2nd rate.
Timber. Scattering pines
and Cedars.

9th Mile
N. 57° E
Var. 16° 10' E.

22.37 Intersect closing corner to
fract. secs. 5 & 12 Tp. 30 S. R 6 W.
which is a granite 16 x 10 x 6"
firmly set in the ground, properly
marked with stone mound
alongside, where I set a post
3 ft long 3" square for angle cor.
marked < O.M.R. on N. face
raised stone mound alongside. Pits impracticable.
N. 49° 45' E
17.63 40.00 set granite 20 x 15 x 12 x 15"
in the ground for 1/2 mile cor.
to boundary, marked 1/2 M. O.M.R.

Wood's Timber Reservation

on N. face raised stone mound
alongside. Pits impracticable
0.00 0.00 Set granite 18×14"×12"×12"
in the ground for 9 mile cor.
to boundary marked O.M.R.
9.M. on N. face raised stone
mound alongside. Pits
impracticable.
Land Cañon bottom
Soil Gravelly 2nd rate
Timber Scattering Cedars
and pines
Septbr. 12 1890

10th Mile
N. 49° 45' E.
Var. 16° 10' E.

2.37 Intersect closing corner to
secs. 5 & 6 on E. boundary of
Tp. 30 S R 6 W. which is a
granite 20×12×10" firmly set
in the ground properly
marked with stone mound
alongside.

15.34 Co S.E. corner of Reservation

Boundary of Fort Cummings

where I set a granite 25 x 18 x 1½
18" in the ground for angle
corner to boundary marked
S.E. corner C.O.M.R. on N. face
and raised a stone mound
along side. Pits impracticable
to ascend.

North

0.09 Birch Creek 10 lks wide 6" deep runs
S.W.

24.66 40.00 Set granite 22 x 10 x 10
18" in the ground for ½ mile
corner to boundary marked
½ N. O.M.R. on W. face raised
stone mound along side.
Pits impracticable.

North

15.00 High ridge bears N.W. & S.E.

40.00 80.00 Set granite 18 x 12 x 5½
in the ground for 10 mile
corner marked 10. N.O.M.R.
on W. face and raised a stone mound
along side. Pits impracticable. Thence a balsam 20"
diam. bears N. 10° E. 32 lks.

Wood & Timber Reservation

marked 10. M. O. M. R. B. T. a pine 16" diam bears S. 45° W. 69 lks. marked same.
Land. Mountains
Soil. Rocky
Timber. Pines, Balsam aspen & dense underbrush.

11th Mile
North
Var. 16° 10' E

11.00 High ridge bears N.E. & S.W.
40.00 Set sandstone 20 x 10 x 10" 15" in the ground for 1/2 mile Cor. to boundary marked 1/2. M. O. M. R. on W. face, raised stone mound alongside. Pits impracticable.
43.70 Spring branch in cañon 2 lks. wide 10" deep runs N.W.
64.30 Road bears S.E. & N.W.
80.00 Set granite 20 x 15 x 8" 15" in the ground for eleventh mile corner to boundary

Boundary of Fort Cameron

marked 11. M. O. M. R. on W. fa
raised stone mound along
side. Pits impracticable.
Land. High Mountains
Soil. Rocky 3rd rate
Timber. Pines & balsam

---

12 Mile
North
Var. 16° 10' E

10.25 Road bears NE. & SW.
18.00 S.E. Fork of Beaver River
25 lks. wide 1 ft deep runs N.
W. in cañon.
35.00 Ridge bears E. & W.
40.00 On W. side of ridge set sand
stone 18 x 10 x 10" 12" in the ground
for 1/2 mile cor. to boundary
marked 1/2 M. O. M. R. on W.
face, raised stone mound
along side. Pits impracticable
50.50 Top of ridge bears E. & W.
75.00 Rocky ledges bears NE. & SW.
80.00 Set granite 18 x 10 x 8" 12" in

Wood & Timber Reservation.

in ground for 12" mile corner
marked 12 M. O. M. R on W.
face raised stone mound
alongside, Pits impracticable
whence pine 18" diam bears
N. 65° W. 43 lks. and
a pine 24" diam. bears S.
16° W. 44 lks. both trees marked
12. M. O. M. R. B. T.
Land High Mountains
Soil. Rocky 3rd rate.
Timber. Pines, Aspen
and balsam.

13th Mile.
North
Var. 16° 10' E

5.75 Beaver River 50 lks. wide 2 ft.
deep runs S. W. in narrow
cañon.

4.00 On S. side of gulch drives
S. E. set sandstone 16 x 12 x 10"
12" in the ground for 1/2 mile
corner to boundary, marked

Boundary of Fort Cameron

½ M.O.M.R. on W. face and raised a stone mound alongside. Pits impracticable.

75.24 On top of rocky Mountain the N.E. corner of this reservation it being a post 6" diam. marked N.E. corner M.R. where I set a granite 20×10×6" 15" in the ground for angle cor. to boundary marked ∠ O.M.R. N.E. corner on W. face raised a stone mound along side. I also change the M.R. on the post to O.M.R.

West.

4.66 Set granite 15×10×7" 10" in the ground for 13 mile corner to boundary marked 13. M.O.M.R. on S. face raised a stone mound alongside. Pits impracticable.

Land. Very broken Mts.

Soil. Rocky 3rd & 4th rate.

Timber Pines, balsam and aspen scattering

Septbr. 13. 1890

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Wood & Timber Reservation

14 Mile

Var. 16° 10' E.

West

Along ridge

40.00 Set sandstone 16×12×8"12" in the ground for 1/2 mile corner to boundary marked 1/2 M.O.M.R. on S. face raised stone mound alongside. Pits impracticable

Leave ridge.

70.00 Set sandstone 14×9×7"9" in the ground for 1/4 mile corner to boundary marked 1/4 M.O.M.R on S. face, raised stone mound along side Pits impracticable. thence balsam 20" diam. bears N. 69° E. 110 lks., a pine 10" diam. bears N. 60° W. 27 lks. and a pine 8" diam. bears S. 10° W. 37 lks. all marked 1/4. M.O.M.R.B.T.

Land. Mountains

Soil. Rocky 3rd rate.

Timber: Pines & balsam

Boundary of Fort Pamero

1/5 Mile
West
Var. 16° 10' E.

20.50 Gulch drains S. W.

40.00 Set granite 18 x 12 x 10" 12" in the ground for 1/2 mile corner marked 1/2 M. O. M. R. on S. face and raised stone mound along side. Pits impracticable.

77.57 Intersect E. boundary of Military Reservation B. 12.63 chs. of S 1/2 mile corner established by me previously. Set sandstone 16 x 10 x 5" 12" in the ground for angle corner to boundary marked < O. M. R. and N. W. corner on S. face for the northwest corner of Reservation raised stone mound along side. Pits impracticable

South along
East boundary of Military
Reservation.

2.39 Set sandstone 18 x 10 x 12" 12" in the ground for 1/5 mile cor. to boundary

Wood and Timber Reservation

marked 15 M.O.M.R. on E. face
rived stone mound along side
Pits inspectible.
Land Mountainous
Soil. Rocky 2nd rate.
Timber. scattering cedars and
pines

16 Mile
South along E. boundary of
Fort Cameron Military Res.
Var. 16° 10' E.

7.98 Gulch drains S.W.
24.98 Intersect 9th mile corner of Fort
Cameron Military Res. which is
also cor. to secs. 14. 15. 22 & 23. previously
established by me under this contract.
40.00 Set sandstone 18 X 2 X 10" 9" in the
ground for 1/2 mile corner to
boundary marked 1/2 M. O.M.R
on E. face rived stone mound
along side. Pits inspectible
48.98 Ridge bears N.E. & S.W.
64.98 Intersect 9 1/2 mile cor. of Fort Cameron
Military Res, which is also the 1/4 sec.
Cor. to secs. 22 & 23 Set by me under

Boundary of Fort Cameron

this Contract.

72.98 Gulch drains S.W.

80.00 On N. side of ridge bears N.E. & S.W.
set sandstone 19 x 14 x 10" 13" in the ground
for cor. to 16" mile on boundary of Res. marked
16 M. O. M. R on E. face, raised stone mound
alongside Pits impracticable
Land. Mountains
Soil. Rocky 3rd rate.
Timber. scattering Cedars.

17th Mile.

Along E. boundary of Fort Cameron Military Res.
South.
Var. 16° 10' E

4.48 Ridge bears N.E. & S.W.

24.98 Intersect 10" mile cor. on fort Cameron Mil. Res. which
is also the cor. to secs. 22.23.26 & 27. set by me under this contract

40.00 Set sandstone 16 x 10 x 8" 12" in the ground for half
mile cor. marked ½ M. O. M. R on E. face raised
stone mound alongside Pits impracticable

50.98 Enter cañon

51.48 Beaver River 30 lks wide 3 ft deep
runs S.W.

52.08 Ascend.

Wood and Timber Reservation

4.98 Intersect 10½ Mile cor. on Fort Cameron Military Reservation which is also the ¼ sec. cor. to secs. 26 & 27 established by me under this contract where I set a sandstone 20×10×6" 15" in the ground for angle cor. to boundary marked < O. M. R. on S. face, raised stone mound alongside. Pits impracticable.

Thence West along Southboundary of Fort Cameron Military Res.

5.02 80.00 Set a sandstone 16×10×10" 12" in the ground for 17" mile cor. to boundary marked 17. M. O. M. R. on S. face raised a stone mound alongside. Pits impracticable.

Land. Mountainous
Soil Rocky 3rd rate.
Timber scattering pines & cedars.

Septbr. 15. 1890

Boundary of Fort Cameron

18 Mile.

West along South boundary of Fort Cameron Military Reservation
Var. 16°10'E

24.98 On south side of Bear River on a low ridge intersect the 11" mile corner to Fort Cameron Military Res established by me previously.

40.00 Set sandstone 20×10×10" 15" in the ground for 1/2 mile cor. to boundary marked 1/2 M. O. M. R. on S. face, raised stone mound alongside. Pits impracticable

64.98 Intersect 11 1/2 mile cor. of Fort Cameron Military Res. which is also the 1/4 sec. cor. to secs. 27 & 28 previously established by me.

80.00 Set sandstone 15×10×8" 10" in the ground for 18 mile corner, marked 18. M. O. M. R on S. face raised stone mound alongside. Pits impracticable.

Land Mountains
Soil. Rocky Grate.
Timber: scattering pines & cedars.

Wood and Timber Reservation.

19th Mile.

West along South boundary of Fort Cameron Military Reservation.
Var. 16° 10' E.

14.98 In river bottom intersect 12 mile corner of Fort Cameron Mil. Reservation previously established by me.
28.48 Brown River 40 lks wide 2 ft. deep runs S.W.
36.48 S. Point of Long Hills
40.00 Set sandstone 14 x 9 x 6" 9" in the ground for 1/2 mile cor. to boundary marked 1/2 M. O. M. R. on S. face, mound stone mound alongside. Pits impracticable
42.78 Brown River 35 lks. wide 2 1/2 ft. deep runs N. Ascend.
54.98 Long ridge bears N. & S.
59.28 Bottom of Creek runs N.E.
64.98 Intersect 12 1/2 mile cor. of Fort Cameron Military Reservation which is also the 1/4 sec. cor. to secs. 28 & 29. previously established by me.
80.00 Set granite 16 x 12 x 8" 12" in the ground for 19 mile cor. to boundary marked 19. M. O. M. R. on S. face raised stone mound alongside

Boundary of Fort Cameron

Pits impracticable
Land. Mountains
Soil. Rocky Trate
Timber Scattering Cedars.

20th Mile.

West along South boundary of Fort Cameron Military Res.
Var. 16° 10' E.

24.98 Intersect 13 mile cor. of the Fort Cameron Military Reservation previously established by me.

40.00 Set quartzite 16 x 10 x 8" 12" in the ground for 1/2 mile cor. to s boundary marked 1/2. M. O. M. on S. face raised stone mound alongside Pits impracticable

41.48 Gulch drains S.

42.98 Gulch drains S.E.

56.48 Ridge bears N & S.

64.98 Intersect 13 1/2 mile corner of the boundary of Fort Cameron Military Reservation which was established by me

Wood & Timber Reservation

previously under this Contract.
2.48 Gulch drains S.W.
10.00 Set trachyte 14×10×8"9" in the ground for 20 mile corner to boundary marked 20. M. O. M. R. on S. face raised stone mound alongside.
Pits inspectable.
Land. Mountainous
Soil. Rocky Loam.
Timber. Cedars and pines

21st Mile

West along S. boundary of Fort Cameron Military Res.
Var. 16°10' E
19.98 Road bears N.W. & S.E.
24.98 Intersect 14 Mile cor. of Fort Cameron Military Reservation previously established by me.
2.98 Gulch drains S.W.
39.48 Ridge bears NE & S.
10.00 Set sandstone 14×10×10"9"

Boundary of Fort Cameron

in the ground for 1/2 mile cor.
to boundary marked 1/2 M.
O. M. R. on S. face, raised a
stone mound alongside.
Pits impracticable.

64.98 Intersect 1/4 sec. cor. to secs. 25 &
30 on Guide Meridian Tp. 29 S.
R 6 & 7 W. which is also the 14 1/2
mile corner on Fort Cameron
Military Reservation and
cors reestablished by me during
this survey.

74.48 Wood Road bears N.W. & S.E.

80.00 Set quartzite 20×10×0"/15" in
the ground for 21 mile cor.
to boundary marked 21
M. O. M. R. on S. face raised
stone mound alongside
Pits impracticable
Land Mountains
Soil. Rocky 2nd rate.
Timber. Cedars & pines

Wood and Timber Reservation

22nd Mile.

West along S. boundary of Military Reservation.

Var. 16° 10' E.

5.24 The initial point and monument, the place of beginning.

Land Bench and Mountains

Soil. Sandy gravel 2nd rate

Timber Cedars and Pines.

Septbr. 16. 1890

General Description

For general description see subdivisions of Tps. 29 & 30 S. R 6 & 7 W.

Edward W. Koeber
U. S. Dep. Surveyor.

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BOOK-A-233

U. S. SURVEYOR GENERAL'S OFFICE,

Salt Lake City, Utah, Nov 29th *18* 93

The foregoing field notes of the survey of the Boundary of the Fort Cameron Wood & Timber Reservation

Township No. 29 & 30 S *Range No.* 5, 6 & 7 W

Salt Lake Base and Meridian, Utah.

Executed by Edward J. Roeber

U. S. Deputy Surveyor,

Under Contract No. 158 *of the* 3d

day of May *18*87*, having been critically examined, the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.*

George W. Snow

U. S. Surveyor General for Utah.

BOOK-A

REPORT:

Filed Mch

Examined by

Transcribed by

Compared by

FIE

OF THE

South

Salt Camera

Township No.

Range No. 5

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BOOK-A 233 14

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REPORT:

Filed Mch 9th 1893

Examined by Henry R. McAlkinson

Transcribed by Kate F. Burton

Compared by H. R. McAlkinson & K. F. Burton

FIELD NOTES

OF THE SURVEY OF THE

South Boundary

in

Fort Cameron Wood & Timber Reservation

OF

Township No. 29 S

Range No. 5 West

OF THE

SALT LAKE BASE AND MERIDIAN

IN

UTAH TERRITORY,

AS SURVEYED BY

Edward W. Roeber

U. S. Deputy Surveyor.

Under his Contract No. 158

Dated May 3d 1887

Survey Commenced Septbr 29th 1890

Survey Completed Septbr 29th 1890

7 97 class C.

NAMES AND DUTIES OF ASSISTANTS

A. Riepen	Chainman.
Geo. U. Davis	Chainman.
Richard Kearsley	Chainman.
Wm. H. Carpenter	Chainman.
R. C. Tassell	Axeman.
	Axeman.
	Flagman.

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South boundary Tp. 29 S. R 5 W.

Survey commenced Septbr. 29. 1890
From tp. cor. to tps. 29 & 30 S. R. 5 & 6
West Trun
East on true line
betw. secs. 6 & 31
Var. 15° 50' E.

2.27 Set sandstone 20×10×8° 15' in the ground for closing cor. to fractional secs. 6 & 31. marked C.C. with 1 notch on W. and 5 on E. edges, raised stone mound alongside. Pits impracticable. at intersection with boundary of Fort Cameron W. & T. Reservation whence 9 1/2 mile corner bears S. 7.97 chs.
Land. Mountains
Soil. Rocky 3 rate.
Timber. Scattering pines
Septbr. 29. 1890

General Description.
For general Description see Subdivisions of this township
Edward W. Koeber
U. S. Dep. Surveyor

Pages 244 & 248 were taken out (being blank) and sent to the Hon Com. for a sample with letter of Feby 24/13

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BOOK-A-233

U. S. SURVEYOR GENERAL'S OFFICE,

Salt Lake City, Utah, Nov 27th *1893*

The foregoing field notes of the survey of the South Boundary of Fort Cameron Wood & Timber Reserve

Township No. 29 S *Range No.* 5 West

Salt Lake Base and Meridian, Utah,

Executed by Edward H Kocher

U. S. Deputy Surveyor,

Under Contract No. 158 *of the* 3d

day of May *1887, having been critically examined, the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.*

George W Lowe

U. S. Surveyor General for Utah.

BOOK-A-2

REPORT:

Filed March

Examined by

Transcribed by

Compared by

FIE

OF THE

Salt Lake

Township No.

Range No.

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BOOK-A-233 9 15

REPORT:

Filed March 9th 1893

Examined by Henry R. M. Atkinson

Transcribed by Kate F. Burton

Compared by H. R. M. Atkinson & K. F. Burton

FIELD NOTES

OF THE SURVEY OF THE

Fractional Subdivision in Fort Cameron Wood & Timber Resvn

OF

Township No. 29 South

Range No. 5 West

OF THE

SALT LAKE BASE AND MERIDIAN

IN

UTAH TERRITORY,

AS SURVEYED BY

Edward W. Roeber

U. S. Deputy Surveyor.

Under his Contract No. 158

Dated May 3d 1887

Survey Commenced Septr 29th 1890

Survey Completed Septr 29th 1890

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0 23.91 ... C.

NAMES AND DUTIES OF ASSISTANTS

	Chainman.
A. Riepen	Chainman.
Geo. H. Davis	Chainman.
Richard Kearsley	Chainman.
Wm. H. Carpenter	Chainman ~~Axeman~~.
R. C. Tassell	Axeman.
	Flagman.

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Subdivisions Tp. 29 S. R 5 W.

Survey commenced Sept. 29. 1890.

From cor. to secs. 25, 36 on W. boundary of township I run East on the line betw. secs. 30 & 31 Var. 15° 50' E

227 Intersect East boundary of Fort Cameron Wood and Timber Reservation 7.97 chs N. of 10 1/2 mile corner, where I set sandstone 8 x 8 x 8" 6" in the ground for closing corner to sect. secs. 30 & 31. marked C.C. with 5 notches on E and 1 on S. edges, raised stone mound along side. Pits impracticable.

Land. High Mountains

Soil. Rocky Barren.

Timber. Pines and balsam.

Subdivisions Tp. 29 S. R 5 W.

From corner to secs. 24 & 25 on W. boundary of township I run East on the line bet'n. secs. 19 & 30 Var. 15° 50' E.

227 Intersect East boundary of Fort Cameron W. & T. Reservation 7.97 chs North of 1 1/2 mile corner where I set sandstone 10x10x8 6' in the ground for closing corner to fract. secs. 19 & 30 marked with C.C. 5 notches on E end 2 on S. edges, raised stone mound alongside. Pits impracticable. Land. Mountains Soil. Rocky 3rd rate. Timber. Scattering pines

BOOK-A-233

Subdivisions Tp. 29 S R 5 W.

East on the line
betw. secs. 18 & 19
Var. 15° 50' E.

227 Intersect boundary of Fort
Cameron W. & T. Reservation
7.97 chs North of 12½ mile
corner where I set sandstone
14 x 9 x 6" 9" in the ground
for closing corner to sect.
secs. 18 & 19 marked C. C. with
5 notches on E. and 3 on S.
edges mixed, stone mound
along line. Pits impracticable.
Land. Mountains
Soil Rocky 2nd rate
Timber. Scattering pines
and balsam.
Septr. 29. 1890

General Description.
The lands surveyed consist of
high Mountains covered with
dense underbrush, some
scattering pines, balsam
and aspen. It is traversed

Subdivisions. Tp. 24 S. R 5 W.

by a spring in sec. 31, the S.E. Fork of Beaver River in sec. 30 and Beaver River itself in sec. 19.

Edward W. Koeber
U. S. Dep. Surveyor.

BOOK-A-233

Note. At the time of finishing this survey I was about 10 miles East of Beaver City. and would it been quite considerable hardships and expense to have the whole party of chain and axmen taken there for the purpose of administering the final oaths by an officer authorized to do it. I therefore administered the oaths myself.

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[4—LIST OF NAMES.]

A list of the names of the individuals employed by Edward H. Korber *United States deputy surveyor, to assist in running, measuring, and marking the lines and corners described in the following field notes of the survey of* the Fort Cameron Military Reservation and the Fort Cameron Wood and Timber Reservation. *of the Salt Lake base and meridian in the Territory of Utah, showing the respective capacities in which they acted.*

, *Compassman*

A. Rigon, *Chainman*

Geo H. Davis, *Chainman*

Richard Kearsley, *Chainman*

Wm H Carpenter, *Chainman*

R R. Farrell, *Axeman*

, *Axeman*

, *Flagman.*

[5.—FI

We hereby ce
W. Korber
urveyor, in survey
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and the Fo
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aving been surveye
hat said survey h
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General for Utah.

Geo.
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W

Subscribed and sw
day of Sep

[5.—FINAL OATHS OF ASSISTANTS.]

We hereby certify that we assisted Edward W. Korber *United States deputy surveyor, in surveying all those parts or portions of the* the Fort Cameron Military Reservation and the Fort Cameron Wood and Timber Reservation.

of the Salt Lake base and meridian in the Territory of Utah, as are represented in the foregoing field notes as having been surveyed by him and under his direction; and that said survey has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the corner monuments established according to the instructions furnished by the United States Surveyor-General for Utah.

, *Compassman.*

A. Riepen, *Chainman.*

Geo. N. Davis, *Chainman.*

Richard Kearsley *Chainman.*

Wm. R. Carpenter *Chainman.*

R. C. Tassell *Axeman.*

, *Axeman.*

, *Flagman.*

Subscribed and sworn to before me this 29th *day of* September 1890

Edward W. Korber

U. S. Dep. Surveyor.

BOOK-A-

16.—FINAL OATH OF

I, Edwam

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[6.—FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.]

I, Edward H. Korber

nited States deputy surveyor, do solemnly
ear that in pursuance of instructions received
om William G. Bowman

nited States surveyor-general for Utah, bear-
g date of the 3rd day of May,
887, I have well, faithfully, and truly, in my
wn proper person, and in strict conformity with
e instructions furnished by the United States
urveyor-general for Utah, the surveying man-
al and the laws of the United States, surveyed
ll those parts or portions of the Fort
Cameron Military Reservation
and the Fort Cameron Wood
and Timber Reservation

of Salt Lake base
and meredian in the Territory of Utah, as are
represented in the foregoing field notes as having
been surveyed by me and under my directions;
and I do further solemnly swear that all the cor-
ners of said survey have been established and
perpetuated in strict accordance with the sur-
veying manual, printed instructions, the special
written instructions of the United States sur
veyor-general for Utah, and in the specific man-

ner described in the field notes, and that the for
going are the **TRUE** *field notes of such survey*
and, should any fraud be detected, I will suff
the penalty of perjury, under the provisions of a
act of Congress, approved August 8, 1846.

Edward W. Roeber
United States Deputy Surveyo

Subscribed and sworn to before me this third
day of November *18*93

George W. Snow
U.S. Surveyor General

U. S. SURVE

Salt Lake

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Township No. 29,

Salt Lake

Executed by Ed

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Under Contract N

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SOTA-A-233

U. S. SURVEYOR GENERAL'S OFFICE,

Salt Lake City, Utah, Nov 27th 1893

The foregoing field notes of the survey of the Fractional Subdivision Fort Cameron Wood & Timber Resvn

Township No. 29 S, Range No. 5 W

Salt Lake Base and Meridian, Utah.

Executed by Edward W. Roeber

U. S. Deputy Surveyor,

Under Contract No. 158 of the 3d day of May 1887, having been critically examined, the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

George W. Snow

U. S. Surveyor General for Utah.

BOOK-A-23

REPORT

Filed Mar

Examined by

Transcribed by

Compared by

FIE

OF THE

Fort Camera

Township No.

Range No. 6

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BOOK-A-233 9

REPORT

Filed March 9th 1893

Examined by Henry R. M. Atkinson

Transcribed by Kate F. Burton

Compared by H. R. M. Atkinson & K. F. Burton

FIELD NOTES

OF THE SURVEY OF THE

South Boundary in Fort Cameron Wood & Timber Resoⁿ

OF

Township No. 29 South

Range No. 6 West

OF THE

SALT LAKE BASE AND MERIDIAN

IN

UTAH TERRITORY,

AS SURVEYED BY

Edward H. Roeber

U. S. Deputy Surveyor.

Under his Contract No. 158

Dated May 3d 1887

Survey Commenced Septbr. 17th 1890

Survey Completed Septbr. 18th 1890

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NAMES AND DUTIES OF ASSISTANTS.

A. Riepen	Chainman.
Geo. N. Davis	Chainman.
Richard Kearsley	Chainman.
Wm. H. Carpenter	Chainman.
R. C. Tassell	Axeman.
	Axeman.
	Flagman.

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South boundary Tp. 29 S R 6 W.

Survey commenced Septr 17 1890 from the corner to Tps. 29 & 30 S. R. 6 & 7 W. Run East on a random line, between said townships, the variation of my instrument being 16° 5' E. I set temporary half mile and mile corners at each 40 and 80 chs. and find the township line to be 5 Miles 79 chs 50 lks long and the falling to be 57 lks N. of corner to Tps. 29 & 30 S. R 5 & 6 W. The correction for the true line will therefore be 9½ lks. south and 50 lks west per mile and its course N 89° 56' W. Septr 17 1890 From the corner to Tps. 29 & 30 S. R. 5 & 6 W. established based under this Contract I run

N. 89° 56' W. on true line

between Secs. 1 & 36

Var. 16° 5' E.

ascend Rock Slide

6.00 Top of ridge bears N & S. descend

11.50 Enter rocky slide

South boundary Tp. 29 S R 6

12.50 Enter rolling flat brs N & S.
13.00 S.E. corner of Birch Lake brs N. 60 1/2° W. 15 ch's.
37.00 Ascent brs N & S.
40.00 Set trachyte 14 x 10 x 10" 9" in the ground for 1/4 sec. corner mark 1/4 on N. face raised stone mound alongside where a balsam 6" diam. brs S 80 3/4 W. 23 lks and pine 15" diam. " N 18° E. 15 " both marked 1/4 S.B.T.
49.00 Enter Aspen and pines
61.00 Leave same
65.50 Hollow drains N.
73.50 Ridge brs N & S.
74.00 Enter Pines and Aspen.
80.00 Set burnt sandstone 20 x 15 x 10" 15" in the ground for corner to secs. 1. 2. 35 & 36 marked 1 notch on E. and 5 on W. edges raised stone mound along side, from which an aspen 10" diam brs N 16° E. 49 lks dist. marked S. 36. T. 29 S. R 6 W. B. T. No other bearing trees within reach. Pits impracticable

South boundary Tp. 29 S. R. 6 W.

Land. High Mountains
Soil. Rocky 4" rate and
sandy 2" rate
Timber. Pines, aspen and
balsams.

N. 89° 56' W. on this line
betw. secs. 2 & 35.
Var. 16° 8' E.

36.50 Cañon drains S. W.
40.00 where I set a sandstone 16x12x8"
12" in the ground for 1/4 sec. corner
marked 1/4 on N. face, from which
an aspen 5" diam. bears S. 33° E. 67 links dist.
an aspen 4" " " N. 47° W. 57 " "
both marked 1/4 S. B. T.
56.50 Ridge bears N. & S.
57.00 Gulch drains S. W. by S. Lower
timber.
78.50 Ridge bears N. & S.
80.00 On W. face of ridge set volcanic
rock 16x18x3" 12" in the ground for
corner to secs. 2, 3, 34, 35 marked with 2 notches
on E. and 4 on W. edges, rises stone
mound alongside. Pits impracticable

South boundary Tp. 29 S. R 6 W.

Land. Mountainous
Soil. Rocky 2nd rate.
Timber. Pines and balsam aspen and cedars.

N. 89° 56' W. on true line betwn secs. 3 & 34
Var. 16° 5' E.

17.00 Top of ridge bears S.W. & N.E.
40.00 Set burnt sandstone 22 x 10 x 6 16" in the ground for 1/4 sec. corner marked 1/4 on N. face, raised stone mound alongside. Pits impracticable
42.50 Gulch drains S.W.
52.00 Ridge bears N. & S.
65.00 Road bears N.E. & S.W.
65.75 Wash in gulch drains South
80.00 Set burnt sandstone 16 x 14 x 4" 12" in the ground for corner to secs 3. 4. 33 & 34. Marked with 3 notches on E. and W. edges and raised stone mound alongside. Pits impracticable
Land. Mountainous
Soil. Rocky, gravelly 2nd rate.
No timber. Dense oak brush and sagebrush

South boundary Tp 29 S R 6 W.

N. 89° 56' W. on true line
betw. secs. 4 and 33
Var. 16° 5' E.

ascending

33.50 Top of ridge & bears NE & SW.

40.00 Set lava rock 48 x 36 x 30" 36" in the ground for 1/4 sec. cor. marked 1/4 on N face raised stone mound alongside Pits impracticable.

68.50 Cañon drains SW.

80.00 Set granite 30 x 10 x 6" 20" in the Ground for corner to secs. 4. 5. 32 and 33. marked with 4 notches on E. and 2 on W. edges. raised stone mound alongside Pits impracticable.

Land. Mountainous
Soil. Rocky and gravely 2nd
Timber. scattering cedar
& pinion pines.
dense sagebrush and grass

South boundary Township 29 S. R 6

N. 89°56' W. on true line
betw. secs. 5 and 32
Var. 16 5' E.

9.00 Ridge bears NE & SW.
32.90 Gulch drains SW.
40.00 On S.E. slope of ridge set sand
stone 15×10×8" 10" in the ground
for 1/4 sec. corner marked 1/4 on
N face raised stone mound
alongside. Pits impracticable
46.00 Ridge bears NE & SW.
63.72 Gulch drains SW.
70.00 Ridge bears N & S.
80.00 Set burnt sandstone 18×10×8"
12" in the ground for corner to
secs. 5.6. 31 & 32 marked with
1 notch on W. and 5 on E. edges
raised stone mound alongside Pits impracticable
Land. Mountainous
Soil Gravelly and sandy
2 rate.
Timber scattering Cedars
and Pinion Pines
Dense sage brush underground

South boundary Tp. 29 S. R 6 W.

N. 89°56' W. on true line
betw. secs. 6 & 31
Var. 16°5' E.

5.00 Wash drains S.W.
5.50 Road bears NE & SW.
9.00 Top of ridge bears N. 2 chs.
15.55 Road bears NE & SW.
17.10 Wash drains SW.
21.10 Spring branch 2 lks. wide 1" deep
runs SW. Cave Spring bears N. 6.85 chs
21.75 Road in hollow bears NE & SW.
40.00 Marked stationary Granite
3 x 3 x 2½ ft. above ground.
for ¼ sec. corner with ¼ on N.
face raised stone mound
along side. Pits in practicable
45.50 Ridge bears NE & SW.
74.00 Road bears N. & SW. leave
cedars auto. [illegible] sagebrush
bench bears N & S.
75.00 Wash drains SW.
79.50 The corner to Tps. 29 & 30 S. R 6 & 7 W.
Land. Rolling bench and
mountainous.
Soil. Rocky Gravel

South boundary Tp. 29 S. R. 6 W.

Sandy loam Grate
Timber. Cedars and pinion
pine in mountains
dense sagebrush
undergrowth on bench.
Sept 18. 1890

General Description

For general description
See subdivisions of this
township.

Edward W. Koeber
U. S. Deb. Surveyor

BOOK-

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BOOK-A-233

U. S. SURVEYOR GENERAL'S OFFICE,

Salt Lake City, Utah, Nov 27th *1893*

The foregoing field notes of the survey of the South Boundary of Fort Cameron Road in Timber Reserve

Township No. 29 South *Range No.* 6 West

Salt Lake Base and Meridian, Utah.

Executed by Edward M Roeber

U. S. Deputy Surveyor,

Under Contract No. 158 *of the* 3d

day of May *1887, having been critically examined, the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.*

George W Lawson

U. S. Surveyor General for Utah.

BOOK-A

REPORT:

Filed March

Examined by A

Transcribed by

Compared by A

FIE

OF THE

East

Fort Cameron

Township No.

Range No. 6

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BOOK-A-2330

REPORT:

Filed March 9th 1893

Examined by Henry R. M. Atkinson

Transcribed by Kate F. Burton.

Compared by H. R. M. Atkinson & K. F. Burton

FIELD NOTES

OF THE SURVEY OF THE

East Boundary

Fort Cameron Wood & Timber Resn

OF

Township No. 29 South

Range No. 6 West

OF THE

SALT LAKE BASE AND MERIDIAN

IN

UTAH TERRITORY,

AS SURVEYED BY

Edward W. Roeber

U. S. Deputy Surveyor.

Under his Contract No. 158

Dated May 3d 1887

Survey Commenced Septbr. 19th 1890

Survey Completed Septbr 19th 1890

[illegible] C.

NAMES AND DUTIES OF ASSISTANTS

A. Rieseu	Chainman.
Geo. H. Davis	Chainman.
Richard Kearsley	Chainman.
Wm. H. Carpenter	Chainman.
R. C. Tassell	Axeman.
	Axeman.
	Flagman.

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East boundary Tp. 29 S. R 6 W.

Survey commenced: Septbr. 19. 1890
From the corner to tps 29 & 30 S. R 5 & 6
W. set by me under this Contract
Given

North betw. secs. 31 & 36.
Var 16° E.

17.00 Ridge bears NW & SE.
37.00 " " NE. & SW.
40.00 Set burnt sandstone 16×12×10" 12"
in the ground for 1/4 sec. corner
marked 1/4 on W. face from where
a black balsam 15" diam bears N.
71 1/2° W. 24 lks. an aspen 4" diam.
bears N 20°30' E. 67 lks. dist. both
marked 1/4 S. B.T.
79.90 Spring branch 2 lks wide 2" deep runs N.W.
80.10 Set Lava 16×10×8" 12"
in the ground for corner to secs.
25. 30. 31 & 36 marked with 1 notch
on S. and 5 on N edges raised
stone mound along side pits impracticable
from where Yellow Pine 3 1/2 ft. diam.
bears N 26 1/2° E. 157 lks. dist. marked
S. 30. T. 29 S. R 5 W. B.T.
an aspen 6" diam. bears S 79 1/2° W.

Eastboundary Tp. 29 S R 6 W

20 lks. distant marked S. 36. T. 29 S.
6 W. B.T.
an aspen 4" diam bears S. 88° E 35
lks. dist. marked S. 31. T. 29 S. R 5 W
B.T.
an aspen 4" diam bears N 64½° W
34 lks. dist marked S. 25. T. 29 S R
6 W. B T.
Land. Mountainous
Soil Rocky. 3 rate.
Timber aspen, balsam, pine

North betw. secs. 25 & 30
Var. 16° E.

19.30 Owen Road bears NW & SE.
25.00 Leave timber
35.00 Road to Lava Mill bears NE & SW
39.50 Enter aspen & pine
40.00 Set burnt sandstone 16 x 16 x 8" 12"
in the ground for 1/4 sec. corner
marked 1/4 on W. face raised a
stone mound alongside
an aspen 3" diam. bears N 46° E. 10 lks
" " 4" " " S 69¼° W. 10"

East boundary Tp. 29 S R 6 W.

both marked 1/4 S.B.T.

54.50 South fork of Beaver River 25 lks.
Wide 16 deep runs N. W.

65.00 C Top of ridge bears E & W.
Large timber

75.00 Ridge bears E & W.

10.00 Set Lava rock 16 x 12 x 4 in 12 in
the ground for corner to secs.
19. 24. 25. 30. marked 2 notches
on S. and 4 on N. edges mound
a stone mound alongside
Pits impracticable
Land. Mountains
Soil Rocky Loam.
Timber. Pines, Aspen
and balsams.

North betw. secs. 19 & 24
Var. 16° E.

20.00 Top of rocky cliff bears N E & S W.

40.00 Set Cobble 12 x 10 x 8 in 8 in the
ground for 1/4 sec cor. marked 1/4
on W. face mound stone mound
along side. Pits impracticable

41.00 Beaver River in canon 50 lks

East boundary Tp. 29 S. R 6 W.

wide 18" deep runs S. W. ascen

76.00 Gulch drains S.E.

80.00 Set burnt sandstone 40 x 3
x 20" 30" in the ground for cor. to
secs. 13. 18. 19 & 24 marked with
3 notches on N. and S. edges
raised stone mound alongsi
Pits impracticable.
Land. Mountains
Soil. Rocky 4 rate.
Timber. scattering pines
balsams and aspen.

North betw. secs. 13 & 18
Var. 16° E.

27.37 Intersect N. boundary of Fort
Cameron Wood and Timber
Reservation established by
me under this Contract
2.39 ch's E. of 13 mile corner
where I set on top of rocky bluff
a sandstone 30 x 30 x 20" 20" in
the ground for closing corner
to secs. 13 & 18 marked C.C. with
4 notches on S. and 2 on N edge

East boundary Tp. 29 S R 6 W.

raised stone mound alongside
Pits impracticable.
Land High Mountains
Soil Rocky 3" rate
Timber. scattering pines
aspen and balsam.
Dense oak brush underg rowth.
Sept 19. 1890.

General Description.
For general description
See Subdivisions of this town=
ship.

Edward W. Koeber
U. S. Dep. Surveyor.

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BOOK-A-233

U. S. SURVEYOR GENERAL'S OFFICE,

Salt Lake City, Utah, Nov 27th 1893

The foregoing field notes of the survey of the East Boundary Fort Cameron Wood & Timber Resvn

Township No. 29 South *Range No.* 6 West

Salt Lake Base and Meridian, Utah,

Executed by Edward Moeber

U. S. Deputy Surveyor,

Under Contract No. 158 *of the* 3d

day of May *1887, having been critically examined, the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.*

George W Lund

U. S. Surveyor General for Utah.

BOOK-

REPORT:

Filed

Examined by

Transcribed

Compared by

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Township No

Range No.

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BOOK-A-2336 12

REPORT:

Filed March 9th, 1893

Examined by Henry R. McAtkinson

Transcribed by Katie F. Burton

Compared by H. R. McAtkinson & K. F. Burton

FIELD NOTES

OF THE SURVEY OF THE

Fractional Subdivisions in Fort Cameron Wood & Timber Reserve

OF

Township No. 29 South

Range No. 6 West

OF THE

SALT LAKE BASE AND MERIDIAN

IN

UTAH TERRITORY,

AS SURVEYED BY

Edward W. Koeber

U. S. Deputy Surveyor,

Under his Contract No. 158.

Dated May 3. 1887

Survey Commenced Septr 24th 1890

Survey Completed Septr 28th 1890

19 [illegible] 1 [illegible] 47 C.

NAMES AND DUTIES OF ASSISTANTS.

	Compassman
A. Riepen	*Chainman.*
Geo. H. Davis	*Chainman.*
Richard Kearsley	*Chainman.*
Wm H. Carpenter	*Chainman.*
R. C. Tassell	*Axeman.*
	Axeman.
	Flagman.

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Sectional Subdivisions Tp. 29 S. R. 6 W.

Survey commenced: Septr 24. 1890
From the corner to secs. 1. 2. 35 & 36
on South boundary of this township
established by me under this
Contract Thence
North betw. Secs. 35 & 36.
Var. 15½° E.

3.00 Enter aspen and pines
19.00 Bottom of cañon drains S.W. leave timber.
27.00 Top of ridge bears W. & S.W.
32.00 Cañon drains S.W.
40.00 Set quartzite 22×10×8" 18" in the ground for 1/4 sec corner marked 1/4 on W. face raised stone mound alongside Pits impracticable
46.00 Enter aspen and pines
56.00 Ridge bears W.W. & S.E.
60.00 Set burnt sandstone 22×12×10 18" in the ground for corner to Secs. 25. 26. 35 & 36 marked with 1 notch on S. and E. edges and raised a stone mound alongside Pits impracticable
An aspen 5" diam bears N. 42° E 14 lks

Fractional Subdivisions Tp. 29 S R

marked. S. 25. T. 29 S. R 6. W. B T.
an aspen 3" diam bears S. 19° E. 23 lks
marked. S. 36. T. 29 S. R. 6. W. B. T.
an aspen 4 in diam bears S. 18° W. 12
marked S. 35. T. 29 S. R. 6 W. B T.
Land High Mountains
Soil rocky 3 rate
Timber. aspen pines and
balsam. and thick
underbrush.

East on random line
betw. 25 & 36
Var. 15° 30' E.

40.00 Set temporary 1/4 sec. cor.
80.10 Intersect E. boundary of
township 32 lks. S. of corner
to secs. 25. 30. 31 & 36. established
by me under this Contract.
Thence Trump -
S. 89° 46' W. on true line
betw. secs. 25 & 36
with same var.
310 Spring branch 2 lks. wide 4" deep

Fractional Subdivisions Tp. 29 S. R 6 W.

runs N.W. in ravine
40.05 Set quartzite 20×10×7" 15" in the ground marked 1/4 on N face for 1/4 sec. cor. marked Balsam 26" diam. bears N. 16° E. 31 lks and a pine 16" diam. bears S 37°30' W. 72 lks. with 1/4 S. B.T.
47.00 Spring branch in ravine 2 lks wide 3" deep runs N.W.
64.00 Ravine drains N.W.
80.10 The corner to secs. 25. 26. 35 & 36
Land High Mountains
Soil Rocky 3 rate.
Timber pine, aspen balsam.

North betw. secs. 25 & 26
Var. 15 1/2° E.

6.50 Road bears N E & W. and N.E by E.
13.00 Gulch drains N.W.
15.50 Two red pines 4 and 5 ft diam. bear West 5 lks.
40.00 Set Granite 20×14×5" 15" in the ground for 1/4 sec. cor. marked

Fractional Subdivisions Tp. 29 S. R 6 W.

1/4 on W. face raised stone mound
alongside whence a blackpine
8" diam. bears N 13 1/2° E. 47 lks. and
an aspen 5" diam. bears N 80 1/4°
W. 38 lks. both marked. 1/4 S. BT
45.50 Old Road bears N. W. Location
of Caplans old Mill bears N 45° W 4 ch
there is nothing here but a
pile of sawdust.
57.50 Reservoir bears E. 4.00 ch's
71.75 Spring branch in gulch 1 lk. wide
2 ins deep runs N.W. Road bears S.W.
79.32 Beaver River 50 lks wide 2 ins
deep runs S.W.
80.00 Set granite 15 x 10 x 6 - 10" in the ground
for corner to secs. 23. 24. 25 & 26
marked with 2 notches on S and
on E. edges. whence
a pine 36" diam bears S. 38° E. 0.76 ch's
dist. marked. S. 25 T. 29 S. R 6 W. B T.
a pine 24" diam. bears N. 2° E. 1.74 ch's
dist. marked S. 24. T. 29 S. R 6 W. B T.
a yellow pine 6" diam. bears S. 8° W 0.45
lks. dist marked S. 26. T. 29 S. R 6 W. B.T.
an aspen 4" diam bears N 12 1/2° W 0.22

Fractional Subdivisions of p. 29 S R 6 W.

distant, marked S. 23 T. 29 S. R 6.
W. B. T.
Land Mountains
Soil. Rocky 2nd.
Timber. pines, aspen and
balsams.

East on random line
betw. secs. 24 & 25
Var. 15° 30' E.

40.00 Set temporary 1/4 sec. corner.
47.20 Intersect E. boundary 35 lks
S. of corner to secs. 19. 24. 25 & 30
established by me under this con-
tract, thence I run
S. 89° 45' W. on true line
betw. secs. 24 & 25
with same var.
Descend along N. side of ridge
40.00 Set Lava rock 12 x 10 x 8" 8" in the
ground for 1/4 sec corner marked
1/4 on N face raised stone mound
alongside. Pits impracticable
48.50 Flat ridge, Enter mahogany
55.00 Rocky point bears S. 70 chs. Enter Scrub Oakes

Fractional Subdivisions Tp. 29 S. R

55.50 Perpendicular ledge 50 feet high
Enter pines.
58.22 S. Fork of Beaver River 20 lks
wide 1 ft deep runs N.E.
59.00 Ascend
64.50 Descend
72.75 Spring branch 1 lk. wide 12" deep
runs North 1.50 chs to river.
75.00 Beaver River 50 lks wide 2 ft. deep
runs S.W.
80.20 The corner to secs. 23. 24. 25 & 26
Land High Mountains
Soil. Rocky 2nd rate.
Timber. Aspen, Pine, Scrub
Cedar and Mahagoney
Septbr. 24. 1890

North betw. secs. 23 & 24
Var. 15° 30' E.

9.00 Steep ascend, leave timber
40.00 On Spurridge bears N.W. & E.
set a lava rock 18 x 12 x 8" 12" in
the ground for 1/4 sec. corner
marked 1/4 on W. face and raised a
stone mound alongside. Pits impractical

Fractional Subdivisions Tp. 29 S R 6 W.

2.50 Gulch drains S.E.
0.00 On S. side of Main Ridge set a lava rock 30×20×10" 20" in the ground for corner to Secs. 13. 14. 23 & 24 marked with 1 notch on E. and 3 on S. edges, raised stone mound alongside.
Land. High Mountains
Soil. Rocky 3 rate
Timber. aspen, pine and balsam.

East on random line
betw secs. 13 & 24
Var. 15° 30' E

0.00 Set temporary 1/4 sec. cor.
0.25 Intersect E. boundary of Tp. 39 lks S. of corner to secs. 13. 18. 19 & 24 established by me. Thence Trm S. 89° 43' W. on true line betw. secs. 13 & 24
Var. 15° 30' E

11.00 Gulch drains S.E.
30.75 Ridge Spur bears N.W. & S.E.

Fractional Subdivisions Tp. 29 S. R. 6

40.13 Set quartzite 12×10×6"·8" in the ground for 1/4 sec. cor. marked 1/4 on N. face, mined stone mon. along side. Pits impracticable whence a pine 20" diam. bears N. 89° E. 109 lks. marked 1/4 S. B.T.

46.00 Gulch trends S.

80.25 The corner to secs. 13. 14. 23 & 24 Land High Mountains Soil. Rocky Drift. Timber scattering pines aspen and balsams.

North betw. secs. 13 & 14
Var. 15° 30' E

7.00 Ridge bears NE & SW.

27.37 Intersect N. boundary of Fort Cameron Wood and Timber Reservation. 2.39 ch's E. of 14 Mile cor. established by me during this survey, when I set a sandstone 16×10×10" 12" in the ground for closing corner to secs. 13 & 14 marked C.C. with 4 notches on S. and 1

Fractional Subdivisions Tp. 29 S. R 6 W.

on E. edges raised stone mound alongside. Pits impracticable from where pine 16" diam. bears S. 45° W. 63 lks marked S. 14. T. 29. S. R 6 W. BT.
Land Mountains
Soil. Rocky 3 rate
Timber. Few pines, aspen and balsams.

From corner to secs. 13. 14. 23 & 24
Trim
West on random line
betw. secs. 14 & 23
Var. 16° E.

4.00 Set temporary 1/4 sec. cor.
9.90 Intersect N. & S. line 16 lks S. of the corner to secs. 14. 15. 22 & 23. established by me under this Contract and during the survey of the Fort Cameron Military Reservation, which is 15.02 chs N. of 15 1/2 mile cor. of the boundary of this reservation. Thence Trim
S. 89° 53' E on true line

Fractional Subdivisions Tp. 29 S R

betw. secs. 14 & 23
with same var.

39.95 Set sandstone 14 x 10 x 8" 9" in the ground for 1/4 sec. corner marked 1/4 on N. face, from whence pine 10" diam bears S. 63° W. 6 lks. dist. and a pine 14" diam. bears S. 89° W. 4 lks. both trees are marked 1/4 S. B.T.

60.00 Along N.W. face of ridge bears N.E. & S.W.

78.50 Ridge bears N.E. & S.W. descend

79.90 Chs. corner to secs. 13. 14. 23 & 24

Land. Mountains
Soil Rocky. 3 rds
Timber. pines, aspen
Septr. 25. 1890

From the corner to secs. 23. 24. 25 & 26 T. run
West on random line
betw. secs. 23 & 26, Va. 16° E.

40.00 Set temporary 1/4 sec. corner.

79.95 Intersect N. & S. line 14 lks N. of corner to secs. 22. 23. 26 & 27 established by me during the survey of Fort Cameron Military Reservation under this Contract, which is 15.02 chs. N. of 16 1/2 mile cor. of the boundary of this reservation

Fractional Subdivisions Tp. 29 S. R 6 W.

Thence Trm
N. 89° 54' E. on true line
betw. secs. 23 & 26
with same var.

Descending.

79.98 Set granite 14 × 10 × 8" 9" in the ground for 1/4 sec. corner marked 1/4 on N. face from where an aspen 4" diam bears N. 14° E. 67 lks. a pine 12" diam bears N. 42° W. 37 lks. both trees marked 1/4 S. B. T.

78.00 Enter river bottom, dense underg rowth bears NE & S.W.

79.95 The cor. to secs. 23. 24. 25 & 26.
Land. Mountainous
Soil. Rocky 2nd and 3rd rate.
Timber. scattering pines and Aspen.

Fractional Subdivisions Tp. 29 S. R

From cor. to secs. 34 & 35 on South boundary of Tp. 9 mm
North bet. secs. 34 & 35
Var. 16° E.

16.00 Ridge bears S. W. & N.E.
40.00 Set granite 20×10×10"×15" in the ground for 1/4 sec. cor. marked 1/4 on W. face, mixed stone mound alongside. Pits impracticable
59.00 Junction of ridges bearing N.E., S.E., S.W. and W.
63.00 Head of gulch drains N.W.
80.00 Set granite 20×10×6"×15" in the ground for corner to secs. 26. 27. 34 & 35 marked with 1 notch on S. and 2 on E. edges, mixed stone mound alongside.
Pits impracticable.
Land. Mountainous
Soil. Rocky & stiff.
Timber. scattering pines and aspen.

Fractional Subdivisions Tp. 29 S R 6 W.

East on random line
betw secs. 26 and 35
Var. 16° E

4000 Set temporary 1/4 sec. cor.
8020 Intersect N. & S. line 18" N of
corner to secs. 25. 26. 35 & 36. Thence
Trun
N 89° 52' W. on true line
betw. secs. 26 and 35.
Var. 16° E.
12.50 Hollow drains N.W.
27.00 Ridge & brass N W & S E
40.05 Set sandstone 20×10×9" 15" in
the ground for 1/4 sec corner
marked 1/4 on N face raised
stone mound alongside, whence
a pine 6" diam brass N 25° E.
14 lks. dist marked 1/4 S. B T.
a pine 5" diam brass S 64° E.
26 lks. dist marked 1/4 S B T.
80.10 The corner to secs. 26. 27. 34 & 35
Land Mountainous
Soil Rocky Grate
Timber scattering pines

Fractional Subdivisions Tp. 29 S. R. 6

North on random line
betw. secs. 26 & 27
Var. 16° E.

4000 Intersect boundary of Fort Cameron Wood and Timber Res. 24.98 chs. S. of 16½ mile cor. established by me under this contract. also intersect the 1/4 sec. cor. to secs. 26 & 27 also set by me under this Contract. Thence I run
South on true line
betw. secs. 26 & 27
with same variation

ascending
4011 Road bears SW & SE.
8000 The corner & sec 26. 27. 34. & 35
Land Mountainous
Soil Rocky Brote
No timber.

From cor. to secs. 33 & 34 on S. boundary of township
I run North betw. secs. 33 & 34
Var. 16° E.

4000 On ridge bears NE & S.W. where I set granite 20×10×10" 15" in the ground for 1/4 sec. corner marked 1/4 on W face raised stone mound alongside pl[illegible] impractical

Fractional

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Fractional Subdivisions Tp. 29 S. R 6 W.

78.00 Gulch draws S.W.
69.00 Ridge bears N.E. & S.W.
79.60 Road bears N.E. & S.W.
80.00 Set sandstone 14 x 12 x 10" 9" in the ground for corner to secs. 27. 28. 33 & 34 marked with 1 notch on S and 3 on E. edges mixed stone mound along side. Pits impracticable.
Land. Mountains.
Soil. Rocky 2nd rate.
Timber. scattering cedars pinion pines and balsam.

Part on meander line betw. secs. 27 & 34.
Var. 16° E.
40.00 Set temporary 1/4 sec. cor.
79.85 Intersect N. & S. line 7 links N. of cor. to secs. 26. 27. 34 & 35. Stream 3 mm
N. 89° 57' W. on true line betw. secs. 27 & 34
Var. 16° E.

Fractional Subs. Cp. 29 S. R 6 W.

9.50 Gulch drains N.W.
39.93 Set sandstone 20 x 10 x 10" 16" in the ground for 1/4 sec. cor. mon 1/4 on N. face hewed stone mound alongside Pits impracticable
57.00 Along ridge bears N.W. & S.E.
73.00 Leave same.
79.40 Wagon Road bears N.E. & S.W.
79.85 The corner to secs. 27. 28. 33 & 34
Land. Mountains
Soil. Rocky Waste.
Timber Scattering cedar & scrub pines.

North betw. secs. 27 & 28
Var. 16° E.

20.00 Top of high ridge bears E. & W.
38.00 Descend
39.78 Intersect boundary of Fort Cameron Wood & Timber. Res. at the 1/4 sec. cor. to secs. 27 & 28 established by me under this contract during the survey of the Fort Cameron Military Res.
thence 18" mile cor. of boundary bears W. 15.02
Land. Mountains
Soil. Rocky Waste
Timber. Scattering pines & cedars
Septr. 26. 1890

Subdivisions Tp. 29 S. R 6 W.

From the cor. to secs. 32 & 33 on South boundary of township established by me under this Contract. True North betw. secs. 32 & 33

Var. 16° E.

7.00 Ridge bears N E & S.W.

15.00 Ridge bears N E & W. junction of both ridges 3 ch's. East.

25.10 Road in cañon drains S.W. to Saw Mill bears N. E. & S.W.

40.00 Set lava rock 14 x 10 x 7" 9" in the ground for 1/4 sec. corner marked 1/4 on W. face raised stone mound alongside. Pits impracticable. Steep ascend

80.00 On top of Ridge bears N.E. & S.W. set a lava rock 20 x 10 x 7" 15" in the ground for cor. to secs. 28. 29. 32 & 33 marked with 4 notches on E. and 1 on S. edges, raised stone mound along side. Pits impracticable.

Land Mountains

Soil. Rocky 3 rate.

Timber. scattering scrub cedars. and pines

Subdivisions Tp. 29 S R 6 W.

East on random line
betw. secs. 28 & 33
Var. 16° E.

40.00 Set temp. 1/4 sec. cor.
79.90 Intersect N. & S. line 35 lks S. of cor
to secs. 27. 28. 33 & 34. Thence Town
S. 89° 45' W. on true line
betw. secs. 28 & 33
with same var.

9.00 Gulch drains S. W.
39.95 Set Cobblerock 20×10×8" 15" in the
ground for 1/4 sec. cor. marked 1/4
N. face raised stone mound alo
side Pits impracticable.
62.00 Gulch drains S.E. by S.
79.90 On top of ridge the corner to secs
28. 29. 32 & 33.
Land Mountains
Soil - Rocky 2 rate
Timber. Cedars & pines

Subdivisi

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4.50 Wash
8.75 Ridg
16.50 Roa

Subdivisions Tp. 29 S. R. 6 W.

North betw. secs. 28 & 29
Var. 16° E.

3.50 Steep descent
10.50 Saddle, from here Waterbed is
NE & SW.
19.78 Intersect boundary of Fort Cameron
Wood and Timber Reservation
at 1/4 sec. cor. to secs. 28 & 29. set by me
under this contract during survey
of boundary of Fort Cameron
Military Reservation whence
19 mile cor of boundary bears West
15.72 chs.
Land Mountainous
Sort. Rocky 2nd rate.
Timber. Fair pines.

From the corner to secs. 31 and 32
on South boundary of Township
set by me during this survey
Trav North betw. secs. 31 & 32
Var. 16° E.

4.50 Wash drains S.W.
8.75 Ridge bears E & S.W.
16.50 Road in ravine drains W.

Subdivisions Tp. 29 S R 6 W.

40.00 Set sandstone 20×10×8" 15" in the ground for 1/4 sec. cor. marked 1/4 on W. fr. raised stone mound along-side. Pits impracticable.

74.00 Head of Gulch drains S.W.

80.00 On Top of ridge which is a junction of three ridges bearing S.E. S.W. & N.E. I set a lava rock 14×10×10" 9" in the ground for corner to secs. 29. 30. 31 & 32 marked with 1 notch on S. and 5 on E. Edge raised stone mound along-side. Pits impracticable.

Land Mountains

Soil. Rocky Waste.

Timber. Cedars & Pines.

East on random line
betw. secs. 29 & 32
Var. 16° E.

40.00 Set temporary 1/4 sec. cor.

80.15 Intersect N. & S. line 29 chs S. of cor. to secs. 28. 29. 32 & 33. Thence Tow S. 89°48' W. on true line betw. secs. 29 & 32
With same var.

Subdivisions Tp. 29 S R 6 W.

2.50 Descend.

0.07 Set sandstone 10 x 9 x 8 6" in the ground for 1/4 sec. corner marked 1/4 on N. face mixed stone around along side Pits impracticable.

3.00 Gulch drains S.

8.00 Enter flat top ridge bears N & S.

0.15 The corner to secs. 29. 30. 31 & 32.

Land Mountains

Sod. Rocky Trate.

Timber scrub cedars and pines

West on random line

betw. secs. 30 & 31

Var. 16° E.

~~[illegible]~~

0.10 Intersect cor. to secs. 30 & 31 on West boundary of Tp. reestablished by me under this contract 31 lks North Theure Town 4° 59' 47" E on true line

betw secs. 30 & 31

with same var.

36.00 Road in gulch bears N.E. & S.W.

Junction of two Roads bears N.E., S.W. and N.W. 2 lks North.

Subdivisions Tp. 29 S R 6 W

40.10 Set sandstone 16×12×9" 12" in the ground for 1/4 sec. cor. marked 1/4 on face raised stone mound alongside Pits impracticable:

80.10 The cor. to secs. 29. 30. 31 & 32
Land. Mountains
Soil. Rocky Grate.
Timber. Scrub Cedars & Pines

North betw. secs. 29 & 30.
Var. 16° E.

2.10 Leave ridge descend.

39.86 Intersect boundary of Fort Cameron Wood & Timber Res. at 1/4 sec. cor. to secs. 29 & 30 established by me during survey of boundary of Fort Cameron Hill Reservation under this contract whence 20 mile cor. of boundary bears West 15.02 chs
Land. Mountainous
Soil. Rocky Grate.
Timber. Pines and Cedars

Septr. 28. 1890

Subdivisions Tp. 29 S R 6 W.

General Description

The lands surveyed under this Contract and belonging to the Fort Cameron Wood and Timber Reservation in this township consist mostly of high rough Mountains covered with a dense growth of tall underbrush or rock slides. There is also a considerable amount of timber in this part as pine white & red.

firetrees, loesam, aspen cedars and pinion pine and scrubs chayoney. The lands is traversed by Beaver River from the East to the West, this river has several feeders from the S.E.

There are no settlers in this township. in sec. 25 is a remnant of an old reservoir and in sec.

Subdivisions Tp. 29 S R 6 W.

26 has been the Coplans Mill
located. There is nothing
left of the mill to day
the only indications are a
pile of sawdust and
few boards.
The mills are now located
about 3 miles East and
connected with a first
class wagon road with
the town of Beaver.

Edward W. Koebr
U. S. Dep. Surveyor

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BOOK-A-233

U. S. SURVEYOR GENERAL'S OFFICE,

Salt Lake City, Utah, Nov 27th *1893*

The foregoing field notes of the survey of the Fractional Subdivision in Fort Cameron Wood & Timber Reserve

Township No. 29 South *Range No.* 6 West

Salt Lake Base and Meridian, Utah,

Executed by Edward Roeber

U. S. Deputy Surveyor,

Under Contract No. 158 *of the* 3d

day of May *1889, having been critically examined, the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.*

George Reed

U. S. Surveyor General for Utah.

318

BOOK-

REPORT:

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Examined by

Transcribed by

Compared by

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Township No.

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BOOK-A-233

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REPORT

Filed March 9th 1893

Examined by Henry R. M. Atkinson

Transcribed by Kate F. Burton

Compared by H. R. M. Atkinson & K. F. Burton

FIELD NOTES

OF THE SURVEY OF THE

Fractional South Boundary in Lut Cameron Wood & Timber Reservation

OF

Township No. 29 South

Range No. 7 West

OF THE

SALT LAKE BASE AND MERIDIAN

IN

UTAH TERRITORY,

AS SURVEYED BY

Edward W. Roeber

U. S. Deputy Surveyor.

Under his Contract No. 158

Dated May 3d 1887

Survey Commenced Septbr 17th 1890

Survey Completed Septbr 17th 1890

0.20.2 C.

NAMES AND DUTIES OF ASSISTANTS

A. Reipen	Chainman.
Geo. N. Davis	Chainman.
Richard Kearsley	Chainman.
Wm. H. Carpenter.	Chainman.
R. C. Tassell	Axeman.
	Axeman.
	Flagman.

BOOK-A-233

Fractional
South boundary Tp. 29 S. R 7 W.

Survey commenced Septr. 17. 1890
From Corner to Tps. 29 & 30 S. R 6 & 7 W
reestablished by me under
this Contract from West
on resurvey line
betw. secs. 1 & 36.
Var. 16° E.

20.26 Intersect West boundary of
Fort Cameron Wood and Timber
Reservation established by me
under this contract at the
one and one half Mile corner where
I see sandstone 20×10×10". 15"
in the Ground for closing cor.
to secs. 1 & 36. marked C.C. with
1 notch on E and 5 on W. edges.
raised stone mound along=
side from where a cedar 6" diam
bears N 89° E. 72 lks. dist. marked
C.C. Sec. 36. T. 29 S. R. 7. W. B. T.
Land Rolling sagebrush
bunch covered with
dense sagebrush.
Soil gravelly & rocky Grate
Timber. Cedars & pine Septr. 17. 90

BOOK-

Subdivisions of Tp. 39 N R 7 W

General Description
For general Description
see subdivisions of this town
ship.

Edward N. Korber
U. S. Dep. Surveyor

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BOOK-A-233

U. S. SURVEYOR GENERAL'S OFFICE,

Salt Lake City, Utah, Nov 27th 1893

The foregoing field notes of the survey of the Fractional South Boundary Fort Cameron Wood & Timber Reservation *Township No.* 29 South *Range No.* 7 West

Salt Lake Base and Meridian, Utah.

Executed by Edward W Roeber

U. S. Deputy Surveyor,

Under Contract No. 158 *of the* 3d *day of* May *1887, having been critically examined, the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.*

George W Snow

U. S. Surveyor General for Utah.

BOOK-A

REPORT

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Township No.

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327

REPORT

Filed March 9th, 1893

Examined by Henry R. M. Atkinson

Transcribed by Kate F. Burton.

Compared by H. R. M. Atkinson & K. F. Burton

FIELD NOTES

OF THE SURVEY OF THE

Fractional Subdivisions of Fort Cameron Wood & Timber Reservation

on

Township No. 29 South

Range No. 7 West

OF THE

SALT LAKE BASE AND MERIDIAN

IN

UTAH TERRITORY,

AS SURVEYED BY

Edward W. Koeber

U. S. Deputy Surveyor,

Under his Contract No. 158.

Dated May 3rd 1887

Survey Commenced Septbr 28th 1890

Survey Completed Septbr. 28th 1890

10 19 C.

NAMES AND DUTIES OF ASSISTANTS.

	Compassman.
A. Ripon	*Chainman.*
Geo. N. Davis	*Chainman.*
Richard Hensley	*Chainman.*
Wm. H. Carpenter	*Chainman.*
R. C. Tassell.	*Axeman.*
	Axeman.
	Flagman.

Subdivisions Tp. 29 S. R 7 W.

Survey commenced Septbr. 28. 1890
From corner to secs. 25 & 36 on Guide
Meridian Tp. 29 S. R 6 & 7 W. re-
established by me under this
contract I run
West on the line
betw. secs. 25 & 36
Var. 16° E.

0.19 Intersect W. boundary of Fort
Cameron Wood and Timber
Reservation at the first half
Mile corner established by me
under this contract when I set
a sandstone 10 x 10 x 8" 6" in the
ground for closing corner to
secs. 25 & 36 marked C.C. with 1
notch on S. and E. Edges mixed
stone mound alongside.
Pits impracticable.
Land. Bench covered with
sagebrush.
Soil. Gravelly 2" rate.
Timber. scattering Cedars
Septbr. 28. 1890

BOOK-A-

Subdivisions Tp. 29 S. R 7 W

General Description

The small fractional part of Fort Cameron Wood and Timber Reservation which lies in this portion of the township consists of a rolling sagy brush land with scattering scrub cedars and pines.

The soil is gravelly.

Edward W. Koeber
U. S. Dep. Surveyor.

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BOOK-A

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U. S. SURVEYOR GENERAL'S OFFICE,

Salt Lake City, Utah, Nov 27th *1893*

The foregoing field notes of the survey of the Fractional Subdivision of Fort Cameron Wood & Timber Reservation

Township No. 29 South *Range No.* 7 West

Salt Lake Base and Meridian, Utah,

Executed by Edward Koeber

U. S. Deputy Surveyor,

Under Contract No. 158 *of the* 3d

day of May *1887, having been critically examined, the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.*

George Thomas

U. S. Surveyor General for Utah.

BOOK-A-2

REPORT:

Filed Se

Examined by

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Township No.

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BOOK A-233 /

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REPORT:

Filed Sept 22 1892

Examined by Henry M. Atkinson

Transcribed by Hale J. Burlow

Compared by H. M. Atkinson & R. F. Burton

FIELD NOTES

OF THE SURVEY OF THE

Boundary of
Fort Cameron
Military Reservation
through

Township No. 29 South

Range No. 6 & 7 West

OF THE

SALT LAKE BASE AND MERIDIAN

IN

UTAH TERRITORY,

AS SURVEYED BY

Edward W. Gorber

U. S. Deputy Surveyor,

Under his Contract No. 158

Dated May 3rd 1887

Survey Commenced August 30 1890

Survey Completed Septemb. 3 1890

17.00 00 C.

NAMES AND DUTIES OF ASSISTANTS.

	Compassman
A. Ripen	*Chainman.*
Geo. H. Davis	*Chainman.*
Richard Kearsley	*Chainman.*
Wm H. Carpenter	*Chainman.*
R. C. Tassell	*Axeman.*
	Axeman.
	Flagman.

BOOK-A-233

[2.—PRELIM

We, A. Ri

and Richard Ke

do solemnly swear th

cute the duties of ch

chain upon even and

pins, either by stick

will report the true

true length of all li

best of our skill and

structions given us,

Military Rese

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of the Salt Lake ba

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Geo.

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Subscribed and sw

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[2.—PRELIMINARY OATH OF CHAINMEN.]

We, A. Rieper, Geo. H. Davis and Richard Kearsley, W. H. Carpenter do solemnly swear that we will well and faithfully execute the duties of chain carriers; that we will level the chain upon even and uneven ground and plum the tally pins, either by sticking or dropping the same; that we will report the true distance to all notable objects, and the true length of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of the Fort Cameron Military Reservation and the Fort Cameron Wood and Timber Reservation.

of the Salt Lake base and meridian in the Territory of Utah.

A. Rieper, Chainman.
Geo. H. Davis, Chainman.
Richard Kearsley, Chainman.
Wm H Carpenter, Chainman.

Subscribed and sworn to before me this 30th day of August 1890

Edward W. Korber
U. S. Dep. Surveyor.

BOOK-A-233

[3.—PRELIMI

~~We~~ I

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o solemnly swear the
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BOOK-A-233

[3.—PRELIMINARY OATH OF AXEMEN.]

I R. C. Tassell

and

do solemnly swear that we will well and truly perform the duties of axemen, in the establishment of corners and other duties, according to instructions given us, and to the best of our skill and ability, in the survey of the Fort Cameron Military Reservation and the Fort Cameron Wood and Timber Reservation

of the Salt Lake base and meridian in the Territory of Utah.

R C Tassell Axeman.

, Axeman.

Subscribed and sworn to before me this 30th. day of August 1890

Edward W. Hoeber
U. S. Dep. Surveyor

BOOK-A-

Note: O
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myself

Note: On the morning of commencing this survey I was unable to find either one of the two notary Public or the justice of peace who reside in Brown City and in order to save time and expense I administered the oaths to my chain and axman myself.

BOOK-A

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Boundary
of Fort Cameron Military Reservation

Before commencing the Survey I procured a copy of the description of the boundary of Fort Cameron Military Reservation on file in U.S. Surveyor Genls. Office at Salt Lake City, which reads as follows: Starting at S.W. corner of sec. 23. Tp. 29 S. R. 7 W. thence running North 2 miles to the N. W. corner of sec. 14. Tp. 29 S. R. 7 W., thence East 6 miles, thence South 2 1/2 miles, thence west 6 miles to 1/4 sec. corner to secs 26 & 27. Tp. 29 S. R 7 W. thence North 1/2 mile to place of beginning containing an area of 15 square miles.

On the night of august 29th 1890 I took an observation on the Star Polaris in accordance with instructions contained in manual

Boundary of Fort Cameron

of Surveys and drove pickets on the line thus established.
Survey commenced August 30th 1890 with a Solar Mountain Transit W. & L. E. Gurley's make.
Before commencing this survey I test my Solar Transit on the line established last night and find it to be a variation of 15°40' which also corresponds with the variation ascertained by my Solar attachments.
From the corner to secs. 22. 23. 26 & 27 Tp. 29 S. R 7 W. which is a gray sandstone firmly set in the ground marked with 2 notches on S. and E. edges and which I further mark I. M. for initial monument and O. M. R. for old military Reservation and raise a mound of stone alongside. Pits impracticable.
Firm

1st Mile
North betw. secs. 22 & 23

BOOK-

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Military Reservation

Var. 15° 40' E.

3.00 Descend of rolling bench bears N.E.

5.86 fence bears N.E. & S.W.

7.50 Enter River bottom, fence bears E. & W. entire field.

21.50 Jackson County Ditch runs S.W. 6 links wide 12' deep.

21.50 Leave field bears N.E. & S.W.

22.10 South bank of Beaver River 50 links wide 2 ft. deep runs S.W.

22.60 North bank of river.

23.00 House of Olsen Alstad bears East 9 lks.

40.00 Find the original corner a gray sandstone 15x9x4" laying down, I reset same 9" in the ground remark with 1/4 on W. face for 1/4 sec. corner and also 1/2 M.O.M. Ron E face for half mile corner and raised a stone mound along side.

From here a Cottonwood tree 12" diam. bears S. 44° 15' W. 4 links dist. another Cottonwood tree 10" diam

Boundary of Fort Cameron

bears S. 83° 40' E 43 lks. dist. there are the original bearing trees, but as the marks have disappeared I remark them B.T. 1/4 S. enters field

44.00 Ditch runs W. 5 lks wide 1 ft deep

46.50 " " S.W. 3 " " 1 " "

47.50 Leave field bears E. & W.

54.61 Fence bears E. & W.

57.00 Ditch 2 lks. wide 12" deep runs S.W. from here, Indian Burial mounds E. 15 lks.

60.00 Ditch 1 lk. wide 8" deep runs S.W.

60.75 " 3 " " 10" " " W

61.22 Canal 20 " " 18 " " " W.

Enter cultivated ground

63.00 Fence bears E. & W. fence corner bears E. 150 lks.

65.00 Ditch 3 lks. wide 10" deep runs W.

68.76 fence bears S.E. & W.

69.00 South side of Road bears E. & W.

70.00 North " " " " E. & W.

74.00 South " " " " E. & W.

75.00 North " " " " E. & W.

79.44 Road bears E. & W.

79.68 Ditch runs E. 4 lks wide 8" deep

Military Reservation

0.00 Intersect a square granite Block 6"x6"x12" above ground marked N.E. on East side and which I mark with 3 notches on S. and 2 on E. edges for corner to secs. 14.15.22 & 23 Tp. 29 S.R 7 W. I also mark it with I.M. and O.M.R. on E. face for first mile corner on the Reservation boundary and raised a stone mound alongside. Pits impossible.
Land. River bottom and brush.
Soil. 1st rate, rich loam.
Timber. Cottonwood and willows along River. X

2nd Mile
North bdry. sec. 14 & 15
Var. 15°40' E.

19.96 Ditch 2 lks wide 6" deep runs W.
24.15 Road bears N.W. & S.E.
27.40 Pond 10 lks. East
29.70 North end of pond.

Boundary of Fort Cameron

40.00 No trace of the old corner set a Cabble 14×10×6" 9" in the ground for 1/4 sec. cor. marked 1/4 on W. face and 1/2 M. O. M. R. on E. face for half mile cor of boundary and raised a mound of stones 1 1/2 ft high 2 ft base alongside. Pits impracticable.

60.10 Ditch 2 lks wide 10" deep runs W.

60.60 fence corner bears W. 10 lks

68.50 Road bears N E & S W.

70.25 Fence bears W. 10 lks.

79.80 Fence corner bears W. 10 lks

80.00 Find old corner firmly set in the ground it being a Cabble Rock 10×6×5" above ground marked with 4 notches on S. and 2 on E edges for cor. to secs. 10. 11. 14 & 15, which I further mark 2 M. < O. M. R. on E. face, for second mile and angle cor. to boundary and raised a mound of

Military Reservation

stones 1½ ft. high 2 ft base along side. Pits impracticable
Land. Level.
Soil 1 rate. sandy loam
No timber.

3rd Mile
East between secs. 11 & 14.
Var. 15°40'E.

1.70 Road bears N.E. & S.W.
4.10 Ditch 6 lks wide 3' deep runs N.
25.40 Road bears N.E. & S.W. ascend
40.00 No trace of old corner, set a sandstone 20 x 10 x 5" 12" in the ground marked ¼ on N. face for ¼ sec. cor. and ½ M.O.M.R. on S. face for half mile cor. to boundary and raised a mound of stones 1½ ft high 2 ft base along-side. Pits impracticable
59.50 Enter rolling top of bench bears N.E. & S.W.
62.00 Gulch drains S.W.
68.00 Gulch drains S.W.

Boundary of Fort Cameron

80.00 On West side of Road in gulch set a boulder 20×10×10" 12" in the ground marked same with 4 notches on S. and 1 on E. edges for corner to secs. 11.12.13 & 14 also mark 3. M.O.M.R. on S. face for third mile cor. of boundary and raised a stone mound 1½ ft high 2 ft base alongside. Pits impracticable.

43.50
56.78
65.00
80.00

Land. Rolling bench
Soil. 2nd rate & Gravely
Timber. scattering Cedars

4th Mile

East betw. secs. 12 & 13
Var. 15° 40' E

0.40 Centre of Road in hollow bears N. & S.
14.29 Road in hollow bears S.W.
27.00 Gully drains S.W.
27.10 Road in same bears N.E. & S.W. as same
40.00 Set a black Lava rock 12×10×6' 8" in the ground for 1/4 sec. cor. marked 1/4 on N. face and 1/2 M.

Military Reservation

O.M.R. on S. face, for 1/2 mile corner of boundary and raised a mound of stones 1 1/2 ft high and 2 ft base alongside. Pits impracticable.

43.50 Gully drains S.W.

56.78 Road in hollow drains S.W.

65.00 Ridge bears N.E. & S.W.

80.00 Find old corner a sandstone 20 x 9 x 5" knocked over, which I reset 15" in the ground for corner to secs. 12 & 13 on East boundary of Tp. 29 S. R 7 W. marked with 4 notches on S. and 2 on N. edges and 4. M.O.M.R. on S. face for fourth mile corner of boundary and raised a mound of stones 2 ft high 3 ft base alongside. Pits impracticable

Land. Mountainous

Soil. Rocky 2nd rate

Timber Scattering Scrub Cedars.

August 30. 1870.

Boundary of Fort Cameron

5th Mile

East between secs. 7 & 18

Var. 15°40' E.

3.50 Gulch draws S.W.

4.25 Road bears NE & SW.

14.00 Top of ridge bears N.E. & S.W.

20.00 Descend gently bears NE & SW.

27.50 Hollow draws S.W.

40.00 Set a lava rock 15"x12"x8" 9" in the ground for 1/4 sec. cor. marked 1/4 on N. face and 1/2 M. O. M. R. on stacy for 1/2 mile cor. to boundary and raised a stone mound alongside. Pits impracticable.

80.00 Set a limestone 18"x16"x4" 12" in the ground for corner to secs. 7, 8, 17 & 18 T. 29 S. R 6 W. marked with 4 notches on S. and 5 on E. edges and for 5 mile corner to boundary marked 5. M. O. M. R on S. face and raised a mound of stones alongside. Pits impracticable.

Military Reservation

Land. Rolling brush & mountain
Soil. Stony Rocky & Gravelly
Timber. scattering cedars and
pines.

6th Mile

East betw. secs. 8 & 17
Var. 15°40' E

.50 Top of ridge bears N.E. & S.W.
0.00 Gulch draws S.W.
5.00 Top of ridge bears N.E. & S.W.
.00 Set a lava rock 17x10x5" 10" in
the ground for 1/4 sec. corner
marked 1/4 on N face and
for 1/2 mile corner marked
1/2 M. O.M.R. on S. face on
boundary and raised a
stone mound alongside
Pits impracticable.
7.50 Gully draws S.E.
0.00 Ridge bears S.E. & N.W.
5.50 Gully draws S.E.
0.50 Ridge bears S.E. & N.W.
5.50 Bakers Cañon draws S.W.
from here a spring bears South

Boundary of Fort Cameron

20 chs.

80.00 Set a limestone 15×12×6"9" in the ground for corner to secs 8. 9. 16 & 17. Tp. 29 S. R 6 W. mark with 4 notches on S. and E. edge and for 6 mile cor. to boundary marked 6. M. O. M. R. on S. face and raised a mound of stones alongside. Pits impracticable.

Land. Mountains

Soil Rocky 3 rate

Timber Scrub Cedars and pinion pines

7th Mile

East betw. secs. 9 & 16

Var. 15° 40' E

6.50 Gulch drains S.W.

8.30 Gulch drains S.W.

40.00 Set a granite 20×11×5"15" in the ground for 1/4 sec. cor. marked 1/4 on N. face and 1/2 M. O. M. R. on S. face for 1/2 mile cor. on boundary and

Military Reservation.

raised a mound of stones
alongside. Pits impracticable
6.00 Gulch drains S.W.
9.50 Gulch drains S.W.
4.00 Gulch drains S.W.
0.00 Set a red sandstone 26
x 18 x 3 "20" in the ground
for corner to secs. 9.10.15 & 16
Tp. 29 S. R. 6 W. marked
with 4 notches on S. and
3 on E edges and 7 M.O.M
R. on S. face for seventh
mile cor. to boundary and
raised a mound of stones
alongside. Pits impracticable
Land. Mountainous
Soil. Rocky 3 rate.
No timber.

8th Mile
East between secs. 10 & 15
Var. 15°40' E.

ascending
3.50 Enter mahagony timber
9.00 Leave mahagony timber

Boundary of Fort Cameron

40.00 Set a burnt sandstone 20x20
4" 15" in the ground for 1/4 sec
corner marked 1/4 on N. face
and 1/2 M. O.M.R. on S. face
for half mile cor. on bound
and raised a stone mound
alongside. Pits impracticable
48.00 Top of ridge bears NE & SW
55.50 Ravine drains S.W.
67.50 Top of ridge bears NE & S.W.
Descend
71.50 Pt. of perpendicular ledge
80.00 Mark a stationary granite
48x24x24" above ground for
corner to secs. 10. 11. 14 & 15
marked with 4 notches on S.
and 2 on E edges and 8. M
< O.M.R. on S. face for 8 mile
and angle corner to boundary
and raised a mound of
stones alongside. Pits im=
practicable.
Land. Mountains
Soil. Rocky 3 rate
Timber. Scrub mahogany

Military Reservation

Cedar & pine.
Septbr. 1. 1890.

9th. Mile
South between sec. 14 & 15.
Var. 15° 40' E

3.50 South Fork 10 lks wide 6" deep runs S.W. in Bakers Cañon drains S.W. where I set a burnt sandstone 15 x 10 x 8" 10" in the ground for witness corner to 8 mile stone and marked same W.C. 8.M.O.M.R. and raised a stone mound along-side.

28.00 Enter flat top ridge bears W.E. & S.W.

36.00 Across same, descend

40.00 Set a lava rock 20 x 15 x 10" 15" in the ground for 1/4 sec. cor. marked 1/4 on W. face and 1/2 M.O.M.R. on W. face for 1/2 mile corner and raised a stone mound along side. Pits impracticable.

63.00 Cañon drains S.W.

Boundary of Fort Cameron

80.00 Set a lava rock 20×10×10"15" in the ground for corner to secs. 14.15. 22 & 23 marked with 3 notches on S and 2 on E. edges and G.M.O.M.R. on W. face for ninth mile cor. of the boundary, raised stone mound alongside. Pits impracticable.

Land Mountainous
Soil. 3 rate Rocky
Timber scatt. Cedars & pines

10th Mile
South betw secs. 22 & 23
Var. 15°40' E.

24.00 Top of Divide bears NE & SW

40.00 Set a burnt sandstone 20×10×4"15 in the ground for 1/4 sec. cor. marked 1/4 on W. face and 1/2 M.O.M.R on W. face for 1/2 mile corner and raised a mound of stones alongside. Pits impracticable

48.00 Gulch drains N.E.

Military Reservation

9.50 Ridge bears N.E. & S.W.
20.00 Set a lava rock 25"x10"x10" 18" in the ground for corner to secs. 22. 23. 26 & 27. Tp 29 S. R 6 W. marked with 2 notches on S and E. edges and 10. M. O. M. R. on W. face for tenth mile corner to boundary and raised a mound of stones alongside. Pits impracticable.
Lava Mountains
Soil. Rocky 3rd
Timber. Few scattering Cedars.

---

11 Mile
South betw. secs 26 & 27
Var. 15°40' E.

26.00 Enter canon
26.50 Beaver River 30 lks. wide 3 ft deep runs S. Westerly
27.10 Ascend
40.00 To the S.E. corner of Res. it being a cedar stake 2" diam.

Boundary of Fort Cameron

with board nailed on it and
marked S.E. cor. M.R., set
burnt sandstone 16 x 12 x 6" 9
in the ground for 1/4 sec. cor
marked 1/4 on W. face and
1/2 M. > O.M.R. on W. face
for 1/2 mile corner and any
corner to boundary and
raised a stone mound
alongside. Pits impracticable
thence West
through Centre of sec 27
40.00 80.00 On South side of Bear
river on a low ridge set a large
rock 20 x 16 x 15" in the
ground for 1/4 mile corner to
boundary marked 1/4 M.
O.M.R on N. face and
raised a stone mound
alongside. Pits impracticable
Land Broken Mountainous
Soil Stony Rocky
Timber Willows along
river.

Military Reservation

12 Mile

West through Centre of sec. 27
Var. 15°40'E
along low hills on S. side of
Beaver River.

40.00 Set a granite 20×15×6" 15" in
the ground for 1/4 sec. cor.
to secs. 27, 28. Tp. 29 S. R 6 W.
marked with 1/4 on W. face
and 1/2 M. O. M. R on N. face
for 1/2 mile corner to boundary
and raised a stone mound
alongside. Pits inspecticable
Thence West through centre sec 28

79.00 South bank of Beaver River bears
North 35 lks.

000 In river bottom set a sandstone
20×12×8" 15" in the ground for
12 mile corner marked 12. M.
O. M. R. on N face and raised
a stone mound alongside
Pits inspecticable.
Land. Rolling
Soil. Gravely 2nd rate
Timber. Cottonwoods and willows

Boundary of Fort Cameron along River

13 Mile.

West through center of sec. 28
Var. 15° 40' E.

3.50 Beaver River 40 lks wide 2 ft deep runs NE

11.50 S. Pt. of low hills

17.80 Beaver River 35 lks wide 2½ ft. deep runs N. ascend.

30.00 Low ridge bears N & S.

34.30 Bottom of gulch drains N.E.

40.00 Set a sandstone 14×9×9" 9" in the ground betw. secs. 28 & 29 for 1/4 sec. cor. marked 1/4 on N face and 1/2 M.O.M.R on N face for half mile corner to boundary and raised a stone mound alongside. Pits impracticable. Thence West through center of sec. 29.

80.00 Set a granite 10×10×8" 6" in the ground for 13-mile cor. and mark same 13 M.O.M.R. on N face and raised a mound

Military Reservation

of stones alongside.
Pits impracticable.
Land Mountains
Soil. Loose gravelly
Timber. Scrub Cedar and
pine

Sept. 2, 1890

1/4 Mile
West through centre of sec. 29
Var. 15° 40' E
.50 Gulch drains S.
.00 Gulch drains S. E.
Both join about 30 lks. S of here.
31.50 Ridge bears N. & S.
40.00 Set leave 18 x 15 x 5" 9" in the ground for 1/4 sec. cor. betw. secs. 29, 30, marked 1/4 on W. face and 1/2 M. O. M. R on N. face for 1/2 mile corner to boundary, and raised a mound of stone along side. Pits impracticable
West through centre sec. 30

Boundary of Fort Cameron

47.50 Gulch drains S.W.
75.00 Road bears N.W. & S.E.
80.00 Set lava stone 18x10x10" 12" in the ground for corner to fourth eighth mile on boundary marked 14 M. O.M.R. on N face and raised a mound of stones alongside
Pits impracticable.
Land. Mountainous
Soil 3" rate Rocky
Timber scattering scrub cedars and pines

---

15 Mile

West through center of sec. 30
Var. 15° 40' E

8.00 Gulch drains S.W.
14.50 Ridge bears NE & S.
40.00 Set a sandstone 10x10x8" 6" in the ground for 1/4 sec. corner to secs. 25 & 30 on the West boundary of tp. 29 S. R 6 W. marked 1/4 on W. face and 1/2 M. O.M.R. on N face for 1/2 mile cor. to

Military Reservation

boundary and raised a stone mound alongside. Pits impracticable.

West through center of sec. 25

9.50 Wood road bears N.W. & S.E.

4.11 Road bears N.W. & S.E.

0.00 Set a lava rock 18×16×5" 12" in the ground for 15 mile cor. to boundary marked 15. M. O. M. R on N face and raised a stone mound alongside. Pits impracticable

Land Mountainous.

Soil Gravelly 3" rate

Timber. Scrub Cedars

16th Mile

West through center of sec. 25

Var. 15° 40' E

6.50 Hollow drains S.W.

7.50 Ridge bears N.E. & S.W.

4.50 Road in hollow bears S.E. & N.E.

0.00 On top of ridge which extends South 2 chs and heads N.E. ×

Set a burnt sandstone 16×12×

Boundary of Fort Cameron

8"12" in the ground for 1/4 sec. corner to secs. 25 & 26. Tp. 29 S. R 7. W. and marked 1/4 on W. face and 1/2 M. O. M. R on N. face for half mile cor. to boundary and raised a stone mound alongside. Pits impractical West through centre sec. 26

43.00 Hollow drains S.E.

48.00 Ridge bears NE & SW.

51.62 Wash in hollow drains S.W.

56.00 Ridge bears NE & SW.

71.50 Hollow drains S.W.

79.00 Ridge bears NE & SW.

80.00 Set a lava rock 16 x 15 x 8" 12 in the ground for 16 mile corner to boundary marked 16 M. O. M. R. on N. face and raised a stone mound alongside. Pits impractical Land. Rolling benchland Soil. 2 rate. Gravelly Timber. Few Cedars.

Military Reservation

17 Mile

West through Center of sec. 26.

Var. 15° 40' E

.61 Wash drains S.W.

.50 Ridge bears NE & S.W.

.40 Hollow drains S.W.

8.76 Road bears NW & SE.

10.00 Set a sandstone 20x10x7.15" in the ground for 1/4 sec. cor. to sec. 26 & 27 T. 29 S. R 7 W. marked 1/4 on W. face and 1/2 M. & O. M. R. on N. face for 1/2 mile and angle cor to boundary and raised a mound of stones alongside. Pits impracticable.

Thence North betw. sec. 26 & 27

9.70 Road bears S.E & N.W.

20.00 Road bears NE & S.W.

40.00 To place of beginning and initial monument.

Land. Rolling

Soil. gravelly loam.

No timber

Septr. 3. 1890

BOOK-

Boundary of Fort Cameron Militar

For General Description see Subdivisions of tps. 29 S. R6 & 7 W.

Edward W. Stoeber
U. S. Dep. Surveyor

BOOK-A-233

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BOOK-A-233

U. S. SURVEYOR GENERAL'S OFFICE,

Salt Lake City, Utah, Nov 27th *1893*

The foregoing field notes of the survey of the Boundary of Fort Cameron Military Reservation *Township No.* 29 South *Range No.* 6 & 7 West *Salt Lake Base and Meridian, Utah, Executed by* Edward H Koeber *U. S. Deputy Surveyor, Under Contract No.* 158 *of the* 3rd *day of* May *1887, having been critically examined, the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.*

George W. Snow

U. S. Surveyor General for Utah.

BOOK-A-2

REPORT:

Filed Se

Examined by

Transcribed b

Compared by

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OF THE

Guide

For

Township No.

Range No.

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BOOK-A-233 2 373

REPORT:

Filed Sept 22 1892

Examined by Henry R. M. Atkinson

Transcribed by Kate F. Burton

Compared by H. R. M. Atkinson & K. F. Burton

FIELD NOTES

OF THE SURVEY OF THE

Guide Meridian through Fort Cameron Military Res.

between

Township No. 29 South

Range No. 6 and 7 West

OF THE

SALT LAKE BASE AND MERIDIAN

IN

UTAH TERRITORY,

AS SURVEYED BY

Edward W. Koeber

U. S. Deputy Surveyor,

Under his Contract No. 158

Dated May 3rd 1887

Survey Commenced Sept 4th 1890

Survey Completed Sept 4th 1890

2 40.00 C.

NAMES AND DUTIES OF ASSISTANTS.

	Compassman
A. Riepen	*Chainman.*
Geo. K. Davis	*Chainman.*
Richard Kressley	*Chainman.*
Wm H. Carpenter	*Chainman.*
R. C. Fassell	*Axeman.*
	Axeman.
	Flagman.

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Guide Meridian Tp. 29 S. R. 6 & 7 W.

Survey commenced Sept 4. 1890
From the corner to secs. 7. 12. 13 & 18
reestablished by me under
this contract I run
South on true line
betw. secs. 13 & 18
Var. 15° 35' E.

2.00 Road in ravine bears W E & S. W.
13.00 Road bears N. W. & S. E.
28.00 Gulch drains S. E.
40.00 No trace of old corner sets a
lava rock 16×10×5" 12" in the
ground for 1/4 sec. cor. marked
1/4 G. M. on W. face and raised
a stone mound 1 1/2 ft. high
and 3 ft. base along side Pits comprehensive
56.00 Leave Cedars bear E & W.
60.30 Foot of bluff bears E & W.
Enter River bottom
63.75 Road bears N E & S W.
69.50 Beaver River 25 lks wide 2 ft
deep runs W.
71.70 Road bears E & W. ascend
80.00 At foot of Black Mountain
find the old corner 10×15×12"

Guide Meridian Tp. 29 & 30 S R

ins. above ground. I renew the marks 3 notches to the N. & S. edges and G. M. for corner to secs. 13. 18. 19 & 24. and raised a mound of stones 2½ ft high 4 ft. base along side. Pits impracticable
Land Broken
Soil Rocky Grate
Timber. Scrub Cedars & Cottonwoods & willows.

South on true line
betw. secs. 19 & 24.
Var. 15°35' E.

Note. While this line has been run some years ago on an offset of 24.75 ch's. West. I concluded to run on true line

3.00 Steep ascent
10.00 Gulch drains N.W.
22.00 Enter higher bench bears S.E. & N.W.
40.00 Set a gray sandstone 24×10 ×7" 18' in the ground for

Guide Meridian Cont. 29 & 30 S. R 68 W.

1/4 sec. cor. marked 1/4 S. G. M. on West face and raised a stone mound 2 ft high 3 ft base along side Pits imperceptible.

44.00 Steep ascent

59.00 Enter top of ridge bears E. & S.W.

70.00 In low place on E. side of ridge set a lava rock 15 x 10 x 6 in the ground for corner to secs. 19. 24. 25 & 30. marked with 4 notches on N. and 2 on S. edges and raised a mound of stones 2 1/2 ft high 4 ft base along side. Pits imperceptible

Land. Mountains

Soil. Rocky & rate.

Timber Cedars & pines.

South on the line betw. secs. 25 & 30 Var. 15° 35' E.

1200 Descend from Ridge bears N.W. & S.E.

4000 Intersect South boundary of Fort Cameron Military

Guide Meridian Tps. 29 & 30 S. R 687

Reservation at the 14 1/2 mile cor. previously set by me which is also the 1/4 sec. cor. to secs. 25 & 30.
Land. Mountains
Soil. Bare. Rocky
Timber. Scattering Cedars
sagebrush.
Septbr. 4. 1890

For general Description see Subdivisions of these townships.

Edward W. Korber
U.S. Dep. Surveyor.

BOOK-A-233

U. S. SURVEYOR GENERAL'S OFFICE,

Salt Lake City, Utah, Nov 27th *1893*

The foregoing field notes of the survey of the Guide Meridian through Fort Cameron Military Reservation, between *Township No.* 29 S. *Ranges No.* 6 & 7 West

Salt Lake Base and Meridian, Utah,

Executed by Edward W. Roeber

U. S. Deputy Surveyor,

Under Contract No. 158 *of the* 3d *day of* May *1887, having been critically examined, the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.*

George W. Faust

U. S. Surveyor General for Utah.

Sep 22/92

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REPORT.

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BOOK-A-233 6

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REPORT.

Filed March 9th 1893

Examined by Henry R. M. Atkinson

Transcribed by Kate F. Burton.

Compared by H. R. M. Atkinson & K. F. Burton

FIELD NOTES

OF THE SURVEY OF THE

Guide Meridian

in

Fort Cameron Wood & Timber Resvn

OF

Township No.s 29 & 30 South

Range No.s 6 & 7 West

OF THE

SALT LAKE BASE AND MERIDIAN

IN

UTAH TERRITORY,

AS SURVEYED BY

Edward H. Roeber

U. S. Deputy Surveyor.

Under his Contract No. 158

Dated May 3d 1887

Survey Commenced Septbr. 16th 1890

Survey Completed Septbr 16th 1890

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NAMES AND DUTIES OF ASSISTANTS.

A. Rieper	*Chainman.*
Geo. N. Davis	*Chainman.*
Richard Hensley	*Chainman.*
Wm. N. Carpenter	*Chainman.*
R. C. Farrell	*Axeman.*
	Axeman.
	Flagman.

BOOK-A-233

East Boundary

Guide Meridian Tp. 29 S. R 6 & 7 W. Resurvey

Survey commenced Sept. 16. 1890
From the 1/4 sec. cor. to secs. 25 & 30.
on Guide Meridian to Tp. 29 S.
R 6 & 7 W. established by me
under this contract; Thence
Town

South on resurvey line
betw. secs. 25 & 30.
Var. 16° E.

40.00 1/4 sec. corner Starting point.
55.00 No trace of original witness cor.
68.00 Road bears N.W. & S.E.
73.80 Gulch drains W.
80.00 Find original corner a gray
sandstone 10 x 12 x 12" above
ground marked with 1 notch on
S. and 5 on N. edges for cor. to secs. 25.30.31 & 36
a Cedar 6" diam bears S. 64° E. 43 lks.
" " 5 " " S 85° W. 24 "
" " 4 " " N. 25° 30' W. 33 "
" " 5 " " N 80 1/2° E 42 "
all trees properly marked
Land. Rolling
Soil. Lava Grate.
Timber cedars, pines and
dense sagebrush undergrowth

 Resurvey East boundary

Guide Meridian Tp. 29 S R 6 & 7

South on Resurvey line
betw. secs. 31 & 36
Var. 16° E.

16.50 Wash in gulch drains S.W.
29.00 Road bears NW & SE
30.35 Wash drains SW.
40.00 Find the original corner it being sandstone 9×6×7 above ground. Trenco the mark 1/4 on W. face and raise stone mound alongside. Pits impracticable.
80.00 Find original corner laying down it being a grey sandstone 24.×13×5" Trench same 18" in the ground for cor. to Tps 29 & 30 S. R 6 & 7. W. marked with 6 notches on S. N. E & W. edges raise a stone mound alongside. Pits impracticable from where a cedar 6" diam bears S. 79 3/4° W. 73 lks. dist. A cedar 7" diam. bears N. 72 1/4° E. 109 lks. dist. A Cedar 5" diam bears N. 58 1/4° W. 112 lks dist.
all trees were properly marked
Land. Rolling
Soil Lava rocky 3 rate

Resurvey East boundary
Guide Meridian Tp. 29 S. R 6 & 7 W.

Timber. Cedars and pine.

Septr 16. 1890

General Description
For general Description See
Subdivisions of this township.

Edward W. Hoeber
U. S. Dep. Surveyor

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BOOK-A-233

Resurvey of Guide Meridian
East boundary Tp. 30 S. R 7 West

Survey commenced Septbr. 16. 1890
From the corner to tps. 29 & 30 S.
R 6 & 7 W. reestablished by me
under this Contract I run
South on resurvey line
betw. secs. 1 & 6.
Var. 16° E.

315 Road bears S.W. & N.E. in gulch
drains S.W.

40.00 Intersect corner it being a
gray sandstone 16 x 10 x 8" for
1/4 sec. corner properly marked
with stone mound alongside
and two bearing trees.

43.40 Road bears N.E. & S.W. in ravine
drains S.W.

62.70 Southside of Birch Creek 5 lks
wide 6" deep runs N.W. where
I find closing cor. to fract. secs.
1 & 6. in place as described by me
in survey of Reservation boundary
whence two one half mile cor.
of the boundary survey of this reservation
bears S. 45° 00 W. 1.42 chs.
Land Rolling sagebrush

BOOK-A

Resurvey of Guide Meridian
East boundary Tp. 10 S. R 7 West

brushes.
Soil. Gravelly. Irate-
Timber. scattering Cedars
Septr 16. 1890

General Description
For general description
see Subdivisions of tps 30 S
R 6 & 7. W.

Edward W. Koeber
U.S. Dep Surveyor

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BOOK-A-233

U. S. SURVEYOR GENERAL'S OFFICE,

Salt Lake City, Utah, Nov 27th 1893

The foregoing field notes of the survey of the Guide Meridian in Fort Cameron Wood & Timber Resv^n

Townships No. 29 & 30 S *Ranges No.* 6 & 7 West

Salt Lake Base and Meridian, Utah,

Executed by Edward W Roeber

U. S. Deputy Surveyor,

Under Contract No. 158 *of the* 3d

day of May *1887, having been critically examined, the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.*

George W. Snow

U. S. Surveyor General for Utah.

BOOK-A-23

REPORT:

Filed Sept.

Examined by He

Transcribed by

Compared by A

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Township No.

Range No.

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BOOK-A-233 4 393

REPORT:

Filed Sept 22 1892

Examined by Henry M. Atkinson

Transcribed by Kate F. Burton

Compared by H. M. Atkinson & K. F. Burton

FIELD NOTES

OF THE SURVEY OF THE

Subdivisions of Fort Cameron Military Reservation

OF

Township No. 29 South

Range No. 6 West

OF THE

SALT LAKE BASE AND MERIDIAN

IN

UTAH TERRITORY,

AS SURVEYED BY

Edward W. Hooper

U. S. Deputy Surveyor,

Under his Contract No. 158

Dated May 3rd 1887

Survey Commenced Septbr. 8th 1890

Survey Completed Septbr 10th 1890

15 29 64 C.

NAMES AND DUTIES OF ASSISTANTS.

	Compassma
A. Riepen	*Chainman.*
Geo. H. Davis	*Chainman.*
Richard Kearsley	*Chainman.*
Wm H. Carpenter	*Chainman.*
R. C. Tassell	*Axeman.*
	Axeman.
	Flagman.

BOOK-A-233

Subdivisio

Survey com
From 1/4 sec
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tract, whi
betw. 11 & 12
boundary
Sum
No

0.00 The 1/4 sec.
0.25 Enter Bo
4.50 Beaver Rive
7.00 Ascend b
4.00 Gulch a
0.00 Set a gr
ground fo
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Subdivisions Tp. 29 S. R 6 W

Survey commenced Septbr. 8. 1890
From 1/4 sec. cor. to secs. 27 & 28 established by me under this contract, which is also the 1/2 mile betw. 11 & 12 mile cor. on the S. boundary of Ft. C. M. Reservation
Thence

North betw. secs. 27 & 28
Var. 15°40' E.

0.00 The 1/4 sec. corner.
0.25 Enter Bottomlands bears E. & W.
4.50 Beaver River 40 lks wide 18" deep runs W.
7.00 Ascend bears E. & W.
4.00 Gulch drains S. W.
0.00 Set a granite 20 x 15 x 8" 12" in the ground for corner to secs. 21. 22. 27 & 28 marked with 2 notches on S. and 3 on E. Edges and raised a stone mound alongside. Pits impracticable.
Land Level and Mountainous
Soil. Sandy loam 1st rate in river bottom and gravely 3rd rate on mountains.
Timber. dense oak brush on mountains and willows along river.

Subdivisions Tp. 29 S. R 6 W

East on meander line
betw. secs. 27 & 22
Var. 15°40' E.

40.00 Set temporary 1/4 sec. corner
80.07 Intersect N & S. line 15 lks. N.
of corner to secs. 22. 23. 26 & 27 which
is also the 10th Mile corner on
the East boundary of Fort Cameron
Military Res. set by me under
this contract.

Thence I run on a true line
N. 89°54' W.
betw. secs. 22 & 27
with same var.

19.00 Top of high Divide bears N.E. & S.W.
40.03 Set a quartzite 14×10×7"-9" in the
ground for 1/4 sec. cor. marked
1/4 on N. face and raised a
stone mound alongside.
Pits inspectable.
64.00 Top of high Divide bears N.W.
& S.E.
72.00 Head of Gulch drains S.W.
80.07 The corner to secs. 21. 22. 27 & 28
Land High Mountains

BOOK-A-233

Subdivisions Tp. 29 S. R 6 W

Soil Gravely. 3rd rate.
No timber. Dense underbrush

North betw. secs. 21 & 22
Var. 15°45' E.

.50 Top of Divide bears NE & SW. descend.

24.00 Head of gulch drains N. W. ascend.

36.00 Enter rilly & top bears NW & SE.

40.00 On rilly & top set a sandstone 20×10×7"×15" in the ground for 1/4 sec. cor. marked 1/4 on W. face and raised a 5' tree mound alongside. Pits impracticable.

41.50 Descend

58.50 Bottom of deep cañon drains West.

80.00 Set granite 20×10×7"×15" in the ground for cor. to secs. 15, 16, 21 & 22 marked with 3 notches on S. and E edges and raised a stone mound alongside. Pits impracticable.

Subdivisions Tp. 29 S. R 6 W.

Land Mountainous
Soil. 3" rate gravely & rocky
Timber. small quackenes sp.
and some pines.

East on random line
betw. secs. 15 & 22
Var. 15°40' E

40.00 Set temporary 1/4 sec. cor.
80.20 Intersect N. & S. line 18 lks. W.
of corner to secs. 14. 15. 22 & 23 which
is also the 9th mile corner on the
East boundary of Fort Cameron
Military Res. set by me under
this Contract Trun
N. 89°52' W. on true line
betw. secs. 15 & 22.
with same var.
Descend mountain slope E
40.10 Set a sandstone 20×10×5 15"
in the ground for 1/4 sec. corner
marked 1/4 on N. face and
raised a stone mound along
side. Pits impracticable.
46.00 Junction of two Hollows heading

Subdivisions Tp. 29 S. R 6 W.

South and W. E.
0.50 Deep canon drains S. W.
0.20 The corner to secs. 15. 16. 21 & 22
Land Mountains
Soil Gravely and Rocky 3 rate
No timber. Dense underground.

North betw. secs. 15 & 16
Var. 15° 40' E

6.40 South fork of Bakers Cañon Creek
11 lks. wide 7" deep runs W. in deep
cañon.
0.00 On high ridge point bears W. E.
set granite 10 x 10 x 6" 6" in the
ground for 1/4 sec. cor. marked
1/4 on W. face and raised stone
mound alongside Pits impracticable
0.00 Intersect corner to secs. 9, 10. 15 & 16
which is also the 7 mile corner on
the North boundary of Fort Cam=
eron Military Res. Set by me
under this Contract.
Land. Mountains
Soil 3 rate Gravelly
Timber. scattering Cedars.

Subdivisions of p. 29 S R

From 1/4 sec. corner to secs. 28 & 29 established by me under this contract which is also the 1/2 mile corner betw. 12 & 13th Mile on the South boundary of Fort Cameron Military Reservation. Trun

North betw secs. 28 & 29
Var. 15° 40' E

40.00 The 1/4 sec. corner. Descend
80.00 At foot of Mountain set a lava rock 20 x 11 x 6 - 15" in the ground for corner to secs. 20. 21. 28 & 29 marked with 2 notches on S. and 4 on E. edges and raised a stone mound alongside. Pits impracticable
Land Mountains
Soil Rocky, gravelly, 3rd rate
Timber. quakenasp & few pines
Sept. 8. 1890.

East on random line
betw. secs. 21 & 28
Var. 15° 40' E

40.00 Set temporary 1/4 sec. cor.

Subdivisions Tp. 29 S R 6 W

79.84 Intersect N & S. line 21 lks. S. of corner to secs. 21. 22. 27 & 28.
Thence Trun
S. 89° 51' W. on true line betw. secs. 21 & 28
with same varia.
Along S. side of ridge top.
27.00 Across ridge top bears E & S.W. descend
31.00 Head of gulch bears N. 2 chs
39.92 Set a granite 14×9×6" 9" in the ground for 1/4 sec. corner marked 1/4 on N. face and raised a stonemound alongside. Pits impracticable.
61.00 Gulch drains N.W.
70.00 Ridge point extends N. 4 chs
77.30 Beaver River 30 lks. wide 10" deep runs N.W.
79.84 The corner to secs. 20. 21. 28 & 29.
Land, Mountains
Soil Gravely & rocky 2" rate.
Timber few Cottonwoods along River

Subdivisions Tp. 29 S. R 6 E

North betw. secs. 20 & 21
Var. 15° 40' E
Enter river bottom bears N.W. & S.E.
6.70 Beaver River 30 lks wide 10" deep runs N.W.
10.50 Ascend along side hills
40.00 Set granite 15 X 10 X 5" 9" in the ground for 1/4 sec. corner marked 1/4 on W. face and raised a stone mound along side. Pits impracticable.
44.00 Enter river bottom at mouth of Cañon heads N.E.
61.00 Ascend rolling hills bear E. & W.
80.00 Set a lava rock 18 X 10 X 6" 12" in the ground for corner to Secs. 16, 17, 20 & 21 marked with 3 notches on S. and 4 on E edges and raised stone mound along side. Pits impracticable
Land. Mountains and bottom
Soil Sandy loam 1st rate Rocky 3rd
Timber. scattering Cottonwood

Subdivisions Tp. 29 S. R 6 W

East on a random line
betw. secs. 16 & 21.
Var 15°40' E.

40.00 Set temporary 1/4 sec. cor.
40.10 Intersect N & S. 13 chs S. of corner
to secs. 15.16.21 & 22. thence on
S. 89°54' W. on true line
betw. secs. 16 & 21
with same var.
along rolling hills
40.05 Set Granite 14 x 10 x 6" 9" in
the ground for 1/4 sec. cor. marked
1/4 on N. face, raised stone mound
alongside Pits impracticable
80.10 The corner to secs. 16.17.20 & 21.
Land Rolling Mountain
Slope
Soil Gravelly 3' rate.
Timber. scrub Cedars and
pines.

Subdivisions Tp. 29 S R 6.

North betw. secs. 16 & 17
Var. 15° 40' E

16.00 South fork of Bakers Cañon Cr. 7 lks. wide 14" deep runs W. in deep cañon.

32.00 Spring branch 4 lks. wide 6" deep runs S. W. in deep ravine

40.00 Set sandstone 20×10×6" 15" in the ground for 1/4 sec. corner marked 1/4 on W. face and raised a stone mound along side. Pits impracticable. whence a lone cedar 4" diam. bears N. 63° E. 110 lks. marked 1/4 S. B. T.

53.00 Gulch drains S. W. From near junction of two gulches bears N. 30° E. 15 chs.

80.00 Intersect corner to secs. 8. 9. 16 & 17 which is also the 6 mile corner on N. boundary of Fort Cameron Military Reservation set by me under this contract

Land Mountains
Soil Gravelly Grate
Timber few scattering Cedars

Subdivisions Tp. 29 S. R 6 W

From 1/4 sec. corner to secs. 29 & 30 set by me under this contract which is also the 1/2 mile cor. betw. 13 & 14 mile on S. boundary of Fort Cameron Military Reservation Trun

North betw secs. 29 & 30
Var. 15° 40' E

40.00 The 1/4 sec. corner.
69.00 Gulch drains S. W.
80.00 Set a sandstone 18 x 9 x 6" 12" in the ground for corner to Secs. 19, 20, 29 & 30 marked with 2 notches on S. and 5 on E. edges raised stone mound alongside. Pits impracticable.
Land. Mountains
Soil. Rocky 4 rate.
Timber. Scrub Cedar & pine.

Subdivisions Tp-29 S. R 6 W

East on random line
betw secs. 20 & 29
Var. 15° 35' E.

40.00 Set temporary 1/4 sec. corner
79.90 Intersect N & S. line 19 lks N.
of corner to secs. 20. 21. 28 & 29
Thence Trav
N. 89° 52' W. on true line
betw secs. 20 & 29
with same var.
Ascent bears N.W. & S.E.
25.00 Gulch drains N.E. thence up
same.
32.00 Top of ridge bears N.E, S.E. & S.W.
37.00 Head of gulch drains S.W.
39.95 Set on top of Ridge a lava rock
18 x 12 x 6" 12" in the ground for
1/4 sec. cor. marked 1/4 on N. face
raised stone mound alongside
Pits impracticable.
52.00 Leave ridge head of gulch drains N.E.
57.00 Ridge bears N.W. & S.E.
79.90 The corner to secs. 19. 20. 29 & 30
Land Mountains
Soil Rocky 4 rate

Subdivisions Tp. 29 S. R 6 W

Timber: Scrub Cedars &
Scrub mahagoney
Septbr. 9. 1890

West on random line
betw secs. 19 & 30
Var. 15° 40' E

40.00 Set temporary 1/4 sec cor.
79.88 Intersect cor. to secs. 19. 24.
25 & 30 on W. boundary of tp.
set by me under this con-
tract, 14 lks. North of corner.
Thence Trun
N. 89° 54' E on a true line
betw. secs. 19 & 30
with same var.
26.00 Gulch drains N.
39.88 Set a lava rock 12 x 10 x 7" 8" in
the ground for 1/4 sec. cor. marked
1/4 on N. face raised stone
mound alongside Pits impracticable
42.00 Ridge bears NE & SW.
54.00 Head of gulch drains S.W.
63.00 Ridge bears NE & S.W.
79.88 The corner to secs. 19. 20. 29 & 30

Subdivisions Tp. 29 S. R

Land Mountains
Soil. Rocky 4 rate
Timber. Scrub Cedars.

North betw. secs. 19 & 20
Var. 15°40' E.

22.00 Enter flat top ridge bears N.E. & S.W. covered with dense scrub cedars.

35.00 Across same leave dense cedars

40.00 Set lava rock 10×10×6"6" in the ground for 1/4 sec. cor. marked 1/4 on W. face and raised a stone mound alongside. Pits impracticable.

45.00 Gulch drains N.E.

60.00 E. side of ridge bears N.W. & S.W. descend along E. side of gulch drains N.

80.00 Set granite 20×10×7"15" in the ground for cor. to secs. 17. 18. 19. 20. marked with 3 notches on S. and 5 on E. edges and raised a stone mound alongside, Pits

Subdivisions Tp. 29 S R 6 W.

impracticable.
Land Mountains
Soil. Rocky & rate
Timber. Scrub Cedars

East on meander line
betw. secs. 17 & 20
Var. 15° 40' E

40.00 Set temporary 1/4 sec cor.
79.75 Intersect Tp S. line 23 lks
N. of cor. to secs. 16. 17. 20 & 21.
Thence from
N. 89° 50' W. on this line
betw. secs. 17 & 20
with same var.
5.00 Top of ridge bears N. & S. W.
10.00 Gulch drains S. W.
18.30 Bakers Cañon Creek 12 lks.
wide 6" deep runs S. W.
20.00 Ascend
26.50 Junction of two cañons
head N. W. & N. E.
28.18 Bakers Cañon Creek 6 lks
wide 2" deep runs S. E.
29.50 Old Road and hollow heads N. W.

Subdivisions Tp. 29 S R 26

39.87 Marked stationary quartzite 15 ft. x 12 ft x 6 ft above ground with + 1/4 S. for 1/4 sec. corner and raised a stone mound alongside. Pits inspected

53.50 Brk in hollow 4 links wide 7" deep runs S.

65.70 Road bears S.E. & N.W.

67.65 Beaver River 4 links wide 12" deep runs N.W.

70.00 Leave riverbottom

74.50 Foot of rocky ridge & bears N. & S.

76.80 Creek drains N.

79.75 The corner to secs. 17. 18. 19 & 20

Land. Mountainous

Soil. 2nd rate gravelly

Timber. Pines & Cedars & Cottonwoods.

Subdivisions Tp. 29 S R 6 W.

West on a random line
betw. secs. 18 & 19.
Var. 15°40' E

40.00 Set temp. 1/4 sec. cor
79.90 Intersect corner to secs. 13 18.
19 & 20 on E. boundary of
tp. set by me under this Contract, 18 lks S. of cor.
Thence Trav
S. 89° 52' E. on a true line
betw. secs. 18 & 19.
with same var.
17.50 Gulch drains N.
30.00 Top of ridge bears N.E. & S.W.
35.00 Gulch drains N.W.
39.90 Set lava rock 25 x 10 x 5" 18" in
the ground for 1/4 sec. corner
marked 1/4 on N. face and
raised a mound of stones
alongside.
Pits impracticable.
43.00 Gulch drains N.W.
48.50 Ridge bears N.W. & S.E.
58.90 Gulch drains N.E.
61.00 N. pt. of ridge heads S.E.
65.50 foot of Iron stone ledge

Subdivisions Tp. 24 S R 6

15 ft high extends N.E. 10 chs and N. 8 chs.

66.20 Top of same Quarry abandoned N. 70° E. 0.

70.00 Head of Gulch drains N.

72.50 Top of Ridge bears N.

79.90 The corner to secs. 17. 18. 19. 20

Land. Mountains

Soil. Rocky Arte

Timber. cedar & scrub pine

North betw. secs. 17 & 18

Var. 15° 45' E.

10.00 Center Riverbottom bears N.W. & S.E.

13.10 Beaver River 40 lks wide 14 in depth runs N.W.

18.00 Arroyo and Road bears N. W. & S.E.

34.00 Canon drains S.W.

40.00 Set a sandstone 20 x 10 x 7 12" in the ground for 1/4 sec. cor. marked 1/4 on W. face and mound of stone mound alongside

Pits imperceptible.

Subdivisions Tp. 29 S R 6 W.

6800 Ridge bears NE & SW.
5000 Intersect corner to secs. 7.8. 17 & 18. which is also the 5th mile corner on the boundary of Fort Cameron Military Reservation, set by me under this contract
Land. Mountains and bottom.
Soil Sandy loam 1 rate & rocky 3 rate.
Timber. Scrub cedars, pines cottonwood & willow.
Septbr. 10. 1890

General Description.

The lands subdivided in this township belong to the Fort Cameron Military Reservation. They consist mostly of high and steep mountains covered in parts with scrub timber, as pines cedars and mahagony

Subdivisions T. 29 S. R.

and in parts with dense
underbrush and grass.
There is very little farming
land in my. the River.
This tract of land is
traversed by Beaver Riv
a clear mountain stre
which runs through
secs. 17. 18. 20. 21. 27 & 28.
There are also a few small
spring branches in
secs. 15. 16 & 17.
In sec 18. is an abandon
quarry.
There are no settlers in
this part of the township

Edward W. Korber
U. S. Dep. Surveyor

BOOK-

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BOOK-A-233

U. S. SURVEYOR GENERAL'S OFFICE,

Salt Lake City, Utah, Aug 27th *18* 93

The foregoing field notes of the survey of the Subdivisions of Fort Cameron Military Reservation.
Township No. 29 South *Range No.* 6 West
Salt Lake Base and Meridian, Utah,
Executed by Edward A Rocher
U. S. Deputy Surveyor,
Under Contract No. 158 *of the* 3d
day of May *18*87*, having been critically examined, the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.*

George W Swan
U. S. Surveyor General for Utah.

BOOK-A

REPORT:

Filed Sep

Examined by

Transcribed by

Compared by

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Township No.

Range No.

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BOOK-A-233 3

REPORT:

Filed Sept 22 1892

Examined by Henry W. Atkinson

Transcribed by Kate F. Burton

Compared by H. W. Atkinson & K. F. Burton

FIELD NOTES

OF THE SURVEY OF THE

Subdivisions of Fort Cummin Military Reservation

OF

Township No. 29 South

Range No. 7 West

OF THE

SALT LAKE BASE AND MERIDIAN

IN

UTAH TERRITORY,

AS SURVEYED BY

Edward W. Roeber

U. S. Deputy Surveyor.

Under his Contract No. 158

Dated May 3 1887

Survey Commenced Septr 5 1890

Survey Completed Septr 6 1890

6 39.75 C.

BOOK-A-233

NAMES AND DUTIES OF ASSISTANTS.

	Compassma
A. Riepen	Chainman.
Geo. H. Davis	Chainman.
Richard Kranley	Chainman.
Wm. H. Carpenter	Chainman.
R. C. Tassell.	Axeman.
	Axeman.
	Flagman.

Subdivisions

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Subdivisions Tp. 29 S. R. 7 W.

Survey commenced Septbr. 5. 1890.
From the 1/4 sec. cor. to secs. 25 & 26 previously established by me on the S. boundary Fort Cameron Military Reservation which is also the 1/2 mile cor. betw. the 15 & 16 Mile Cameron said boundary. From North betw. secs. 25 & 26
Var. 15° 45' E.

49.00 Gulch draws S. W.
57.00 Enter flat top ridge bears N. & S.
71.00 Leave ridge bears N. E.
76.00 Gulch draws S. W.
80.00 Set a sandstone 15"x9"x6" 10" in the ground for corner to secs. 23. 24. 25 & 26 marked with 2 notches on S. and 1 on E. edges raised stone mound alongside
Pits impracticable.
Land. Mountainous
Soil. Rocky Barren.
Timber scattering cedars pines and oak brush.

Subdivisions Tp. 29 S. R 7 W.

East on random line
between secs. 24 & 25
Var. 15° 30' E

40.00 Set temporary 1/4 sec. cor.

79.80 Intersect Guide Meridian to Tp. 29 S. R. 6 & 7 W. 14 lks. N. of cor. to secs. 19. 24. 25 & 30 set by me under this contract. Thence Tr.

N. 89° 54' W. on true line
betw. secs. 24 & 25
with same var.

3.50 Top of ridge bears N E & S.E.

24.75 No trace of old witness cor., but I find the three bearing trees with marks in good condition. I reestablish a sandstone 20 x 8 x 5" 15" in the ground marked W.C. and 2 notches on S. and 4 on N. edges for witness corner to secs. 19. 24. 25 & 30 and raised stone mound alongside Pits impracticable.

27.50 Wood Road bears N. W. & S.E. Enter lower bench.

38.00 Enter wide head of hollow drains S.E.

Subdivisions Tp. 29 S. R 7 W.

39.90 Set black Lava 12×12×12 "8" in the ground for 1/4 sec. cor. marked 1/4 on N. face from where a Cedar 4" diam. bears N. 16° E 27 lks dist. a Cedar 6" " " N. 15° W. 44 " " both marked 1/4. S. B.T.

45.50 Leave Cedars

46.30 Wood Road bears NE & SW.

65.50 Wood Road " do ascend

69.50 Top of ridge bears NE. & SW.

75.50 Gulch Drains S.W.

79.80 Corner to secs. 23. 24. 25 & 26

Land Mountainous.

Soil. Rocky 3rd rate.

Timber. Cedars on 45.50 chs.

West on random line betw. secs. 23 & 26

Var. 15° 30' E

40.00 Set temporary 1/4 sec. cor.

80.00 Intersect Tp. S. line 11 lks. N. of corner to secs. 22. 23. 26 & 27, which is also the initial monument for the boundary of Fort Cameron Military Reservation established by

Subdivisions Tp. 29 S R 7

me under this contract.
Thence from
N. 89°55' E on true line
betw. secs. 23 & 26
with same var.
Over rolling sagebrush flat
4.00 Set a lava rock 15 x 12 x 10" 1
in the ground for 1/4 sec. corn
marked 1/4 on N. face and
raised a stone mound alon
side. Pits impracticable?
45.00 Hollow drains S.W.
49.00 Wood Road bears N.E. & S.W.
52.00 Wood " " do.
78.00 Descent bears N.E. & S.W.
80.00 The corner to secs. 23. 24. 25 & 26
Land Rolling brush
Soil, gravelly 3" rate.
Timber. Few scattering
cedars on second half
mile.

BOOK-

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Subdivisions Tp. 29 S. R. 7 W.

North betw. secs. 23 & 24
Var. 15°40' E.

ascend.
2.00 Enter rolling sagebrush brush
11.70 Road bears N.E. & S.W.
29.32 Road " do
33.50 Descend
35.90 Gulch drains S.W.
40.00 On top of ridge bears N.E. & S.W.
Set a sandstone 12×10×6"8"
in the ground for 1/4 sec. cor.
marked 1/4 on W. face raised stone
mound along side. Pits impracticable
54.00 Enter River bottom bears N.E. & S.W.
59.50 Road bears N.E. & S.W.
62.00 Ruins of Stone Ice house bear
West. 1450 lks.
63.75 Enter River bed, ice bound cor. N.E.
dry bears West 1600 lks.
65.90 Fever River 35 lks. wide 12" deep
runs S.W.
66.35 Leave river bottom ascend.
67.35 Road bears N.E. & S.W.
70.00 to a point, from which N.E. cor.
of double dwelling house bears

Subdivisions Tp. 29 S. R. 7

S. 80°45' W. 5.61 chs. thence S. 80° W.
at 120 ft. N.E. corner of double house
" 240 " " " " " "
" 360 " " " " single "
" 480 " " " " double "
" 500 " " " " " "
" 620 " " " " " "
all the double houses have a frontage of 50 ft. and a depth of 40 ft. They are the old officer quarter, the house alone being the commanding officer's which is only 40 ft. frontage. They are all surrounded by fencing and lawns.

71.00 Ditch 3 lks. wide 15" deep runs S.W.
73.54 Road bears N.E. & S.W.
74.20 Ditch 5 lks. wide 20" deep runs S.W.
79.62 Ditch 3 lks. " 15" " " do
80.00 Find old corner a Cabble 12×10×4 above ground in place, properly marked for corner to secs. 13. 14. 23 & 24 where I raise a stone mound alongside. Pits impracticable. From this corner S.W. corner of Post Bakery 50×50 lks. bears S. 63°

Subdivisions of p. 29 S.R.7 W.

15' W. 7.05 chs.
S.W. corner of Barracks bears S. 44°45
W. 8.33 chs. 1.55 chs. N & S. and 40 lks E & W.
N.W. corner of Barracks bears S. 39°
45' W. 8.86 chs same size.
Whitewashed house bears S. 21½° W
6.74 chs.
Laundress quarters 1.20 lks N.S.
45 lks E & W. bear S. 18° E. 1.86 chs and
S 14° E. 3.88 chs.
Outhouses 60 lks. N & S. 10 lks E & W.
bears S. 60° E. 4.94 chs.
Land. Rolling bruch and bottoms
Soil. gravelly, sandy loam
of 2nd rate.
Timber. Cottonwoods & willows.
Septr. 5. 1890

Subdivisions Tp. 29 S R 7 W.

East on random line
betw secs. 13 & 24
Var. 15° 40' E.

40.00 Set temp. 1/4 sec. corner
79.95 Intersect Guide Meridian to
tps. 29 S. R 6 & 7 W. 20 lks S. of cor
to secs. 13. 18. 19 & 24 set by me
under this Contract. Thence
S. on
L. 89° 51' W. on true line
betw. secs 13 & 24
with same var.
6.90 Gulch drains N. W.
16.00 Enter River bottom bears N. E & S. W.
22.80 Branch of Beaver River 15 lks.
wide 14" deep runs S. W.
39.97 On south side of Road bears
N E & S. W. set a sandstone 14 x 8
6" 9" in the ground for 1/4 sec. co
marked 1/4 on N. face raised
stone mound alongside
Pits impracticable.
48.25 Along S. edge of Beaver River
52.50 E. edge of Beaver River 35 lks wide
2 ft deep runs S. W.

Subdivi

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Subdivisions Tp. 29 S. R. 7 W.

53.65 Leave Riverbottom bears N. E.
57.65 Ascend
60.00 Road bears S. W. & N. E.
71.00 Road bears S. W. & N. E.
79.95 The corner to secs. 13. 14. 23 & 24
Land Riverbottom.
Soil. sandy loam 1st Rate.
Timber. Cottonwoods and heavy undergrowth of willows along river

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West on random line
bet. secs. 14 & 23
Var. 15° 40' E.

40.00 Set temporary 1/4 sec. cor.
80.00 Intersect N. & S. line 12 lks
N. of corner to secs. 14. 15. 22 & 23. which is also the 1st mile corner on the Fort Cameron Military Reservation established by me under this contract
Thence Trm
N 89° 55' E on true line
bet. secs. 14 & 23
with same var.

Subdivisions Tp. 29 S.R. 7 W

3.00 Ditch 4 lks wide 8" deep runs S.
19.08 Road bears N.E. & S.W.
20.15 Road bears do
20.70 Ditch drains S.W.
28.85 Road bears N. & S.
30.29 Canal 8 lks. wide 10" deep runs S.
35.10 Ditch 3 " " 10" " " "
39.37 Ditch 5 " " drains S.W. dry
40.00 Set lava 14×10×6" 9" in the ground for 1/4 sec. corner mark 1/4 on N. face raised stone mound alongside. Pits impracticable.
From here N.E. cor. old graveyard belonging the fort Cameron Military Reservation bears S 7°45' W. 16.66 chs. The graveyard is 100 ft square and fenced ill.
50.80 Road bears N.E. & S.W.
60.00 To a point from where S.E. cor. of out-house 40 lks × 10 lks bear S. 34° 45' W. 11.52 chs.
N.E. corner of House 30×60 ft bears S. 27° W. 7.42 chs

Subdivi

N.E. cor.
S. 18° W.
N.E. co
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Subdivisions T. 29 S. R. 7 W.

N.E. cor. of House 30x60 ft. bears S. 18° W. 10.30 chs.
N.E. cor. of Stable bears S. 12° 45' W. 15.33 chs. from N.E. corner of stable S. 80° W. 1.57 chs to N.W. cor. of same. Stable is 0.75 chs wide. thence along corral fence S. 80° W. 1.78 chs to fence corner, thence S. 10° E. along fence. at 3.6.4 chs N.W. cor. of Shanty bears West. 0.55 chs.
at. 409 N.E cor. of Shanty.
" 444 " " " "
" 484 Outhouses bear W. 0.83 chs
" 606 fence corner thence along fence N. 80° E. 3.29 to fence corner. thence N 10° W. 6.06 chs to N.E. corner of Stable.
this piece of land fenced in is the old post corral.
N.E. cor. board shanty painted brown bears S. 8° 30' W. 5.00 chs
N.E. cor. board shanty whitewashed bears S. 1° W. 8.48 chs
N.E. corner of dwelling House

Subdivisions Tp. 29 S R. 7

infence bears S. 7°45' E. 10.91
S. W. corner of Quartermaster
Store building bears S. 56½°
5.61 chs. 1.55 x 0.75 lks.
S. W. corner of Adjutants Offi
bears S. 71° 30' E. 8.86. 60 x 40
65.00 To a point from where S. E. corner
of Guard house 90 x 60 lks bear
S. 26° W. 5.53 chs.
N. E. cor. of Barrack bears S 11°
30' W. 8.88 chs.
68.00 Road bears N. E. & S. W.
69.40 fence bears N. E. & S. W. shanty
bears N. 75 lks. another one ½ 1.10
70.00 To a point from where N E cor of Barr
bears S. 49° W. 9.55 chs.
71.36 fence corner bears S. W. & S. E.
from here S. E. corner of hospit
building bears S. 3° 36 W. 2.05
Hospital 1.21 chs x 60 lks.
72.00 Road bears S. E. & N. W.
79.20 Ditch 3 lks. wide 8" deep runs
S. W.
80.00 The corner to secs. 13. 14. 23 & 24
Land Level.

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Subdiv

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Subdivisions Tp. 29 S. R. 7 W.

Soil Irrate.
Timber. Shade trees in and around Fort Cameron

North betw sec. 13 & 14
Var. 15° 40' E

3.70 Road bears E & W.
10.75 Ditch 5 lks wide 14" deep runs W.
19.00 Road bears N.E & S.W. ascend
27.30 Gulch drains S.W.
30.00 Gulch drains S.E.
39.50 Road bears N.E & S.W.
40.00 On top of ridge set a sandstone 16 x 10 x 4" 12" in the ground for 1/4 sec. corner marked 1/4 on W. face and raised stone mound alongside. Pits impracticable.
55.00 Road bears N 5° E, N. 35° E, N 70° E & S.W. hollow drains W.
56.00 along W. side of hollow junction of two hollows 50 lks. E.
80.00 The corner to secs. 11. 12. 13 & 14 previously set, by which is also the 3rd mile corner on the boundary of Fort Cameron

Subdivisions Tp. 29 S R. 7 W

Military Reservation.
Land. Mountainous
Lod. 2 rate gravelly
Timber. Few scrub cedar and pines.

Septbr. 6. 1890.

General Description.
The lands surveyed in this township consist of Beaver River Canon and the adjoining Bottom lands & Foothills and benches. The soil ranges from a rich loam to rock. Beaver River is a nice clear mountain stream average about 30 lks wide and 1½ ft deep. The river traverses secs. 13. 23 & 24. There is one settler, Olsen Albert in the N. W 4 of S. W 4 sec. 23. His improvements consist of about 30 acrs. under cultivation, about 4 miles fencing, 5 miles ditching

Subdivisions Tp. 29 S. R 7 W.

one Dwelling house, stable and Corral valued at about $1500.00
In the N 1/2 of NE 1/4 SW 1/4 of NE 1/4 sec. 23. and NW 1/4 of NW sec. 24 of this township are the remaining improvements of the abandoned Fort Cameron situated.
All the improvements are owned by Ph. Farnsworth of Salt Lake City and J. R. Murdock of Beaver City. At the time of survey there was one family living there, taking care of the place in the employ of above named parties.
Following is a description of the fort and buildings.
The fort is layed out on a Course of S. 80° W. and S 10° E.
All buildings are erected this summer.
About the center of the fort is the Parade Ground

Subdivisions Tp. 29 S. R. 7

about 6.50 x 8.00 ch's. There is
a drive, water ditches and
two row of trees around the
parade ground. The drive
leaves the fort at S. W. corner
and is graded, with shade
trees and water ditch on
each side extending S. 80° W.
about 20.00 ch's then
joining in the public
highway.
The main buildings are
all of stone and very well
finished, the fencing around
the officer quarter, Hospital
and Barracks on W. side
consist of neat pickets
painted. The back part
of the Officers quarter is
enclosed with high
board fence. There is plenty
water in ditches running
through the post.
As the scale of the map is to
small to write the names at

BOOK-A-233

Subdivisions T. 29 S. R. 7 W.

the building I numbered them and explain as follows.

1. Post Hospital
2. Adjutants Office
3. Quarter Master Store house
4. Post Guard House.
5. Barrack
6. do
7. Dwelling House Quarters
8. Commanding Officers Officer
9. Barrack
10. do
11. Post bakery.

There is no large timber in this part of township. The mountains, bruches and foothills are covered partly with scrub Cedars and pines and sagebrush. Along the river there are some cottonwoods and willows.

Edward W. Forber
U. S. Dep. Surv.

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BOOK-A-233

U. S. SURVEYOR GENERAL'S OFFICE,

Salt Lake City, Utah, Jan 27th *1893*

The foregoing field notes of the survey of the Subdivisions in Fort Douglas Military Reservation *Township No.* 2 South *Range No.* 7 West *Salt Lake Base and Meridian, Utah, Executed by* Edward M Roeber *U. S. Deputy Surveyor, Under Contract No.* 158 *of the* 3d *day of* May *1887, having been critically examined, the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.*

George W. Dwyer

U. S. Surveyor General for Utah.

BOOK-A-

REPORT.

Filed Mar

Examined by

Transcribed by

Compared by

FIE

OF THE

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Fort Cameron

Township No.

Range No. 4

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BOOK-A-233

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REPORT:

Filed March 9 1893

Examined by Henry R. McAtkinson

Transcribed by Kate F. Burton

Compared by H. R. McAtkinson & K. F. Burton

FIELD NOTES

OF THE SURVEY OF THE

East Boundary

Fort Cameron Wood & Timber Reservation

OF

Township No. 30 South

Range No. 6 West

OF THE

SALT LAKE BASE AND MERIDIAN

IN

UTAH TERRITORY,

AS SURVEYED BY

Edward W. Roeber

U. S. Deputy Surveyor.

Under his Contract No. 158

Dated May 3d 1887

Survey Commenced Septbr. 17th 1890

Survey Completed Septbr. 17th 1890

O. 3455 C.

NAMES AND DUTIES OF ASSISTANTS

A. Riepen	Chainman.
Geo. N. Davis	Chainman.
Richard Kennsley	Chainman.
Wm. H. Carpenter	Chainman.
R. C. Tassell	Axeman.
	Axeman.
	Flagman.

BOOK A

Cast bonn

Survey
From
6 on E.
is a gr
set in
M.C. w
side
No

Ascen
45.45 Point
45.51 Birch
3' deep
80.00 Set a
6" 15" i
to tps.
stone
Pits
Black b
85°15' E.
R.5 W.B
Black b
20' W.
W.B.T.
Aspen

STANTS.
inman.
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inman.
inman.
man.
man.
gman.

East boundary Tp. 30 S. R 6 W.

Survey commenced Septr. 17. 1890
From the meander Cor. to secs. 1 & 6 on E. boundary of this tp. which is a granite 20×12×10" finely set in the ground, marked M.C. with stone mound along-side I run
North betw. secs. 1 & 6.
Var. 16° E.

Ascend.

45.45 Point of starting Meander Cor.
45.57 Birch Creek bears S. W. 11 lks wide 3' deep.
80.00 Set a burnt sandstone 20×12×6" 15" in the ground for corner to tps. 29 & 30 S. R 5 & 6 W, raised stone mound alongside.
Pits inpracticable, from which
Black balsam 18" diam. bears S. 85°15' E. 30 lks. dist. marked S.6.T.30S. R.5 W.B.T.
Black balsam 8" diam bears S. 75° 20' W. 190 lks marked S.1.T.30S.R6. W.B.T.
Aspen 6" diam bears N. 73° W. 124 lks

BOOK

East boundary Tp. 30 S R 6 W

dist. marked S. 36. T. 29 S. R. 6 W. B.T.
Aspen 4" diam. bears N 24° 30' E
115 lks dist. S. 31. T. 29 S. R 5 W. B.T.
Land Mountains.
Soil Rocky
Timber. aspen, pines,
balsam.
Septbr. 17. 1890.

General Description
For general Description
see subdivisions of this
township.

Edward W. Norbo
U. S. Dep. Surveyor

R 6 W.

R.6 W.B.T.
24° 30' E
R5 W.B.T.

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BOOK-A-233

U. S. SURVEYOR GENERAL'S OFFICE,

Salt Lake City, Utah, Nov 27th *1893*

The foregoing field notes of the survey of the East Boundary of Fort Cameron Wood & Timber Reserve

Township No. 20 South *Range No.* 6 West

Salt Lake Base and Meridian, Utah,

Executed by Edward J. Rocher

U. S. Deputy Surveyor,

Under Contract No. 158 *of the* 3d

day of May *1887, having been critically examined, the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.*

George W. Snow

U. S. Surveyor General for Utah.

BOOK-

REPORT:

Filed

Examined by

Transcribed by

Compared by

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Fort Camero

Township No.

Range No. 6

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BOOK-A-238 11

REPORT:

Filed March 3d 1893

Examined by Henry M. Atkinson

Transcribed by Kate F. Burton

Compared by H. M. Atkinson & K. F. Burton

FIELD NOTES

OF THE SURVEY OF THE

Fractional Subdivisions in Fort Cameron Wood & Timber Reserve

OF

Township No. 30 South

Range No. 6 West

OF THE

SALT LAKE BASE AND MERIDIAN

IN

UTAH TERRITORY,

AS SURVEYED BY

Edward H. Koeler

U. S. Deputy Surveyor.

Under his Contract No. 158

Dated May 3d 1887

Survey Commenced Septh. 20 1890

Survey Completed Septh 23 1890

11-28 @.

NAMES AND DUTIES OF ASSISTANTS

A. Riepen	Chainman.
Geo H. Davis	Chainman.
Richard Keersley	Chainman.
Wm. H. Carpenter	Chainman.
R. C. Tassell.	Axeman.
	Axeman.
	Flagman.

BOOK-A-

Fractional

Survey c
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No

3.30 Closing c
in no
3.39 Birch C
mus S.
S. 80° W.
S. 85° E.
S. 41° 15
0.00 On rid
sand
grom
mark
1 on E.
along
Lan
Soil.
timb

Fractional Subdivisions Tp. 30 S. R 6 W

Survey commenced Sept. 20. 1890
From the closing cor. to secs. 11 & 12
of this tp. Trim
North betw. secs. 11 & 12
Var. 16° E.

3.30 Closing corner previously described
in notes of boundary.

3.39 Birch Creek 9 lks. wide 10" deep
runs S. W. from here a cabin bears
S. 80° W. 63 lks. a cabin bears
S. 85° E. 33 lks. Saw Mill bears
S. 41° 15 W. 319 lks.

0.00 On ridge point bears N.E. set
sandstone 16 x 10 x 10" 12" in the
ground for cor. to secs. 12. 11 & 12
marked with 5 notches on S. and
1 on E. edges, raised stone mound
alongside. Pits impracticable.
Land. North slope of Cañon
Soil. Rocky 3rd rate
Timber. scattering pines
and Cedars.

Fractional Subdivisions Tp. 30 S R

As I can see Closing corner to secs.
1 & 12 from cor. to secs. 1. 2. 11 & 12
I run
East on the line
btw. secs. 1 & 12
Var. 16° E.

Descend
26.29 Birch Creek 10 lks. wide 8' deep
runs S. W.
25.71 Intersect Closing cor. to secs. 1 &
12 formerly described by me in
notes of Boundary of Reservation
Land. North side of cañon
Soil. Rocky 3rd rate
Timber. Scattering Cedars.

North on random line
btw. secs. 1 and 2.
Var. 16° E.
40.00 Set temporary 1/4 sec. cor.
79.87 Intersect N. boundary of Tp.
21 lks. E. of corner to secs. 1 and
2. thence I run
S. 0° 9' E. on the line

Fractional Subdivisions Tp. 30 S. R 6 W

betw. secs. 1 & 2
Var. 16° E.

1.00 Ridge bears E & W.
9.87 In Gulch drains W. set sandstone 20 x 10 x 10" 15" in the ground for 1/4 sec. cor. marked 1/4 on W. face, raised stone mound along side. Pits in opposite
9.00 Ridge bears N.E. & S.W.
2.00 Gulch drains S.W.
19.87 The corner to secs. 1. 2. 11 & 12.
Land Mountains
Soil Rocky 3rd rate
Timber. Pine, aspen and Cedars

From the Closing cor. to secs. 10 & 11 of this township I run
North betw. secs. 10 & 11
Var. 16° E.

2.04 Closing corner previously described in notes of boundary
12.73 N. side of Pinch Creek 10 links wide 10" deep runs S.W. thence up canon heads N.E.

Fractional Subdivisions Tp. 30 S R

80.00 On W. side of same set granite 20 x 18 x 12" 15" in the ground for corner to secs. 2. 3. 10 & 11. marked with 5 notches on S and 2 on E. Edges raised stone mound alongside. Pits impracticable
Land. Mountains
Soil. Rocky 2nd rate.
Timber. scattering Cedars and pines.

East on random line
betw. secs. 2 & 11
Var. 16° E

40.00 Set temporary 1/4 sec. cor.
80.16 Intersect N & S. line 22 lks. S of corner to secs. 1. 2. 11. & 12. Thence
Trun
S. 89° 57' W. on true line
betw. secs. 2 & 11.
with same var.
20.00 Gulch drains S. W.
40.08 Set granite 12 x 10 x 8" 8" in the ground for 1/4 sec. corner, marked 1/4 on N. face

Fractional Subdivisions Tp. 30 S R 6 W.

raised stone mound alongside
Pits impracticable.
79.10 Enter gulch chains S. heads N.E.
80.16 The corner to secs. 2.3.10 & 11.
Land. North side of Cañon
Soil. Rocky & rite.
Timber scattering pines
and cedars.

North on random line
bet'n. secs. 2 & 3.
Var. 16° E.
40.00 Set temporary 1/4 sec. cor.
79.90 Intersect N. boundary of tp. 19 lks. E.
of corner to secs. 2 & 3 set by me pre-
viously. Thence from
S. 0° 8' E. on the line
bet'n. secs. 2 & 3.
with same var.
20.00 Ridge bears W. & S.W.
Descend West side of Gulch
39.90 Set granite 14 x 10 x 10 & 9" in
the ground for 1/4 sec. corner marked
1/4 on W. face. raised stone mound
alongside. Pits impracticable.

Fractional Subdivisions Tp. 30 S R 6

from wher Pine 6" diam. bears S. 18°
W. 34 lks. marked 1/4 S. B. T.

79.90 The cor. to secs. 2. 3. 10 & 11
Land South slope of cañon
Soil. Rocky 3rd rate
Timber. pines and Cedars
Septbr. 20. 1890

From the Closing corner to Secs. 9 & 10
of this township, previously de=
scribed by me in notes of Res. boundary
Survey

North betw. secs. 9 & 10.
Var 16° E.

56.80 Closing Corner
56.95 Zink Creek 10 lks. wide 4' deep runs S. W.
78.00 Ascend bears E. & W.
80.00 Set granite 18 x 12 x 10 & 12" in the
ground for corner to secs. 3. 4. 9 & 10
marked with 5 notches on S. and
3 on E edges, raised & stone mound
alongside. Pits inspectable.
Land. Cañon
Soil. 2nd rate sandy, gravel
Timber. scattering pines & aspen

Fractional Subdivisions Tp. 30 S R 6

from wher Pine 6" diam. bears S. 18°
W. 34 lks. marked 1/4 S. B. T.

79.90 The cor. to secs. 2. 3. 10 & 11
Land South slope of cañon
Soil. Rocky 3rd rate
Timber. pines and Cedars
Septbr. 20. 1890

From the Closing corner to Secs. 9 & 10
of this township, previously de=
scribed by me in notes of Res. boundary
Survey

North betw. secs. 9 & 10.
Var 16° E.

56.80 Closing Corner
56.95 Zink Creek 10 lks. wide 4' deep runs S. W.
78.00 Ascend bears E. & W.
80.00 Set granite 18 x 12 x 10 & 12" in the
ground for corner to secs. 3. 4. 9 & 10
marked with 5 notches on S. and
3 on E edges, raised & stone mound
alongside. Pits inspectable.
Land. Cañon
Soil. 2nd rate sandy, gravel
Timber. scattering pines & aspen

Fractional Subdivisions Tp. 30 S R 6

North on random line
betw. secs. 3 & 4.
Var. 16° E.

40.00 Set temporary 1/4 sec. cor.

79.95 Intersect N. boundary of township
17 lks b. of corner. to secs. 3 & 4. set by me
under this contract. Thence S mm
S. 0° 7' E. on true line
betw. secs. 3 & 4
with same var.

39.95 At foot of ridge set sandstone 20 x 12 x 8
15" in the ground for 1/4 sec. cor. marked 1/4
on W. face raised stone mound alongside. Pits impracticable.

79.95 The corner to secs. 3. 4. 9 & 10.
Land Mountainous & slope
of cañon.
Soil rocky 2nd rte.
Timber scattering pines & Cedars.

From closing corner to secs. 3 & 9,
previously described in notes of
boundary of Res. of this township 0 mm

Fractional Subdivisions T. 30 S. R. 6 W.

North betw. secs. 8 & 9
Var. 16° E

26.68 Closing corner previously described by in boundary of Reservation. ascending.

26.75 Birch Creek runs S.W. 10 lks. wide 4' deep.

40.00 Set sandstone 10×10×8" 6' in the ground for 1/4 sec. cor. marked 1/4 on W. face raised stone mound alongside. Pits in opposite

80.00 Set sandstone 16×10×6·12" in the ground for corner to secs. 4. 5. 8. & 9 marked with 5 notches on S. and 4 on E. edges raised stone mound alongside. Pits in opposite from which a pine 6" diam. bears S. 17° W. 46 lks. dist. marked S. 8. T. 30 S. R. 6 W. B.T. a pine 8" diam. bears N. 41° E. 27 lks. marked S. 4. T. 30. S. R 6 W. B.T.

Land Rolling
Soil. Gravelly sandy 2 rate.
Timber. scattering Cedars and pines

East on random line
betw. secs. 4 & 9
Var. 16° E.

40.00 Set temp. 1/4 sec. cor.

79.95 Intersect N. & S. line 24 lks. N. of cor.

Fractional Subdivisions Tp. 30 S R. 6

to secs. 3.4.9 & 10. Thence I run
N 89° 50' W. on true line
betw. secs. 4 & 9.
with same var.

16.50 Ascend
39.98 Set sandstone 20×10×8" 15" in the
ground marked 1/4 on N. face for
1/4 sec. cor. raised stone mound
alongside. Pits impracticable
whence a cedar 4" diam. bears S. 40°
29 lks. marked 1/4 S. B.T.
60.00 Flat ridge bears N. W. & S.
79.95 The corner to secs. 4.5.8.9.
Land Rolling
Soil. Gravelly, sandy, 2nd rate
Timber scattering cedar and pine
Septbr. 22. 1890

North on random line
betw. secs. 4 & 5
Var. 16° E.

40.00 Set temporary 1/4 sec. corner.
79.85 Intersect N. boundary of tp.
22 lks E. of corner to secs.
4 and 5. Thence I run

Fractional Subdivisions Tp. 30 S R 6 W.

S. 0° 9' E. on the line
betw. secs. 4 & 5.
Var. 16° E.

0.00 Gully drains S. W.
9.85 Set granite 14 x 9 x 6" 9" in the
ground for 1/4 sec. cor. marked
1/4 on W. face whence a cedar 4" diam.
bears S. 69° E. 122 lks. dist. a cedar
6" diam. bears N. 47° 30' W. 92 lks.
dist. both trees marked 1/4 S. B. T.
5.00 Top of knole on ridge bears NE & SW.
9.85 My corner to secs. 4. 5. 8 & 9.
Land. Rolling
Soil. Sandy. Gravely 2nd rate
Timber. Cedar and pine.

From the closing corner formerly described by me in boundary of reservation to secs. 7 & 8 of this township. I run
North betw. secs. 7 & 8
Var. 16° E.

65.00 Closing corner.
65.17 Birch Creek runs N. W. 12 lks. wide 6' deep
80.00 Set granite 16 x 10 x 8" 12" in the ground
for corner to secs. 5. 6. 7 & 8 marked

Fractional Subdivisions Tp. 30 S. R

with 5 notches on S. and E edges.
raised stone mound alongside
Pits impracticable.
Land Rolling
Soil sandy gravely 2" rate
Timber. Scattering Cedars.

East on random line
betw. secs. 5 & 8.
Var. 16° E.

40.00 Set temporary 1/4 sec. cor.
80.10 Intersect N & S. line 28 lks. S.
of corner to secs. 4. 5. 8 & 9.
Thence Trun
S. 89° 48' W. on true line
betw. secs. 5 & 8.
with same var.
9.00 Ridge bears NE & SW.
40.05 Set granite 10 x 8 x 8" 6" in the
ground for 1/4 sec. corner
marked 1/4 on N. face
raised stone mound along
side. Pits impracticable
48.75 Gulch drains S. W.

Fractional Subdivisions Tp. 30S. R. 6W.

0.10 The corner to secs. 5.6.7 & 8
Land. Rolling
Soil. Sandy, Gravel 2nd rate.
Timber. scattering Cedars and pines

West betw. secs. 6 & 7
Var. 16°E

11.50 Mouth of gulch, Road bears S.E.N.W. & W.
16.08 Intersect S. boundary of Fort Cameron Wood & Timber Reservation where I set a quartzite 16x12x10"12" in the ground for closing cor. to secs. 6 & 7 marked C.C. on E. face & raised stone mound alongside, whence 3½ Mile corner of boundary bears S. 47°E. 10.52 chs. Pits impracticable.
19.42 To a point on S. boundary of Reservation where I set a sandstone 14x10x7" 9" in the ground for closing cor. marked C.C. and raised stone mound alongside. Pits impracticable whence 3" mile cor. on Boundary of Reservation bears S. 75°45' W. 10.89 & N. 68° W. 14.87 chs.
36.75 - Road bears N.E., E. and S.W.
36.65 - Birch Creek 10 lks wide 8" deep runs S.W.
36.62 Intersect closing cor. to secs. 6 & 7.

Fractional Subdivisions Tp. 30 S. R. 6 W.

Land. Rolling
Soil. Sandy gravely Trate
Timber. Cedars.

North on random line bitw. secs. 5 & 6
Var. 16° E.

40.00 Set temporary 1/4 sec cor.
79.90 Intersect N. boundary of tp. 24 lks. E. of cor. to secs. 5 & 6 established by me under this Contract. Thence
S. 0° 10' E. on true line
bitw. secs. 5 & 6
with same var.
39.90 Set granite 12 x 10 x 8" 8" in the ground for 1/4 sec. cor. marked 1/4 on W. face and raised stone mound alongside. Pits impracticable, whence:
a Cedar 4" diam bears N. 27° W. 69 lks dist marked 1/4 B.T.
42.00 Knole extends N.E., S.W. & S.E.
79.90 The corner to secs. 5 6. 7. 8.
Land. Rolling
Soil. Sandy gravel. 2nd rate.
Timber. Cedars.
Septbr. 23d 1890.

BOOK-A-233

Fractional Subdivisions Tp. 30 S R 6 W.

General Description

The lands surveyed in this township belong to the Fort Cummin Wood and Timber Reservation and are bounded on the South side by Birch Creek. The eastern part is mostly high Mountain covered densely with underbrush and some timber as. pine, balsam, aspen etc. The western part is more rolling and lower hills covered with dense saplings cedars and pines. There are no settlers in this part of township

Edward W. Korber
U. S. Dep. Surveyor.

Fractional Subdivisions Tp. 30 S R

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Township No.

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U. S. SURVEYOR GENERAL'S OFFICE,

Salt Lake City, Utah, Nov 27th 1893

The foregoing field notes of the survey of the Fractional Subdivisions Fort Cameron Wood & Timber Resvn

Township No. 30 S *Range No.* 6 West

Salt Lake Base and Meridian, Utah.

Executed by Edward W. Roeber

U. S. Deputy Surveyor,

Under Contract No. 158 *of the* 3d

day of May *1887, having been critically examined, the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.*

George W. Lewis

U. S. Surveyor General for Utah.

BOOK-A

REPORT:

Filed

Examined by

Transcribed by

Compared by

FIE

OF THE

Guide

Township No.

Range No. 8

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BOOK-A-233 469

REPORT:

Filed August 13th 1892 and January 9th 1893.

Examined by Dampe

Transcribed by Henry R. M. Atkinson

Compared by Dampe & Atkinson

FIELD NOTES

OF THE SURVEY OF THE

Guide Meridian

OF

Township No. 38 South

Range No. 8 & 9 West

OF THE

SALT LAKE BASE AND MERIDIAN

IN

UTAH TERRITORY,

AS SURVEYED BY

William Lewman

U. S. Deputy Surveyor,

Under his Contract No. 181

Dated September 23rd 1891.

Survey Commenced June 1st 1892.

Survey Completed June 4th 1892.

H 5-04-55
L 75-45

NAMES AND DUTIES OF ASSISTANTS.

	Compassman.
Ellias Nittingtou	*Chainman.*
Jesse H. Darling	*Chainman.*
George Millet	*Chainman.*
William Seymour	*Chainman.*
Charles E. Curtis	*Axeman.*
Levi Curtis	*Axeman.*
Stephen Thaxton	*Flagman.*

BOOK-

[1.—PRI

We, El
H. Darlin
and George
do solemnly swea
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Meridia
South, be
9 West
of the Salt Lake
Utah.

Subscribed and
day of

[I.—PRELIMINARY OATH OF CHAINMEN.]

We, Ellias Wittington, Jesse H. Carling and George Millet and Wm. Lewman do solemnly swear that we will well and faithfully execute the duties of chain carriers; that we will level the chain upon even and uneven ground and plum the tally pins, either by sticking or dropping the same; that we will report the true distance to all notable objects, and the true length of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of the Guide Meridian in Township 38 South, between Ranges 8 & 9 West of the Salt Lake base and meridian in the Territory of Utah.

Elias Wittington, Chainman.
Jesse H. Carling, Chainman.
George Millet, Chainman.
William Lewman, Chainman.

Subscribed and sworn to before me this 1st day of June 1892.

William Lewman
U. S. Dep. Surveyor

BOOK

[2.—

We. C

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best of our skill

Guide

38 South

of the Salt Lak

Utah.

Subscribed and

day of

[2.—PRELIMINARY OATH OF AXEMEN.]

We, Charles E. Curtis

and Levi Curtis

do solemnly swear that we will well and truly perform the duties of Axemen, in the establishment of corners and other duties, according to instructions given us, and to the best of our skill and ability, in the survey of the Guide Meridian in Township 38 South, Range 8 & 9 West

of the Salt Lake base and meridian in the Territory of Utah.

Charles E. Curtis, *Axeman.*

Levi Curtis, *Axeman*

Subscribed and sworn to before me this 1st

day of June 1892.

William Spencer

U. S. Deputy Surveyor

BOOK-A

3.—PREI

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9 West

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tory of Utah.

Step

Subscribed and

day of

BOOK-A-233

[3.—PRELIMINARY OATH OF ~~COMPASSMAN~~ Flag.] 475

I, Stephen Paxton

do solemnly swear that I will well and truly perform the duties of ~~compass~~ flagsman, according to instructions given me, and to the best of my skill and ability, in the survey of the Guide Meridian in Township 38 South between Ranges 8 & 9 West

of the Salt Lake base and meridian in the Territory of Utah.

Stephen Paxton, ~~Compass~~ Flagsman.

Subscribed and sworn to before me this 1st day of June 1892

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[illegible]

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Guide meridian T. 38 S. Rs. 8 and 9 W.

chains

June 1st 1892.

At the cor. to Tps. 38 and 39 S. Rs. 8 and 9 W. I take an observation of Polaris at 9 h. 10 m. P.M. correct local mean time and drive a picket on the line.

At 7 a m. June 2nd 1892, I find the magnetic bearing of the line established last night to be N. 14° 57' W

Local mean time U. C. Polaris May 15th 1892.	21h	39.0m
Part 2. Table 1. 16 days subtract,		62.7
Local mean time U. C. May 31st 1892	20.	36.3
Which taken from time of obs. leaves hour angle of Polaris.	12.	33.7
Subtract from	23.	56.1
Argument (Table 2)	11.	22.4

Guide Meridian T. 38 S.

chains Azimuth of Polaris for lat. 37° N. (Table 2) 0° 15' east
North end of needle 14° 57' east

The sum is the var. 15° 12' east

Mean declination 15° 6' east

Play off the azimuth 15' to the west and mark the true meridian so found.

North between secs. 31 and 36
Var. 15° 12' E.

11.00 Top of ridge course east & W. and about 100 feet above Tp. Cor. Descend abruptly through brush.

22.50 Bottom, course E and W. 500 ft. below top of ridge

24.00 Leave bottom and ascend abruptly through dense brush.

40.00 Set a sandstone 23 X 10 X 7 ins. 15 ins. in the ground for 1/4 Sec. Cor. marked 1/4 on W. face. Raised a mound of stones 3 ft. base

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T. 38 S
Land
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between Rs. 8 and 9 W.

chs. 3 ft. high alongside, Pits impracticable
42.50 Top of round point on ridge about 700 ft. above bottom.
43.20 Descend abruptly along east side of ridge through dense brush.
60.00 About 250 ft. below top of hill and ascend.
80.00 Set a sandstone 28 X 18 X 12 ins. 18 ins. in the ground, for Cor. to secs. 25 30. 31 and 36, marked with 1 notch on south and 5 notches on N. faces. Raised a mound of stones 2½ ft. base, 1½ high alongside.
From the Cor. a cracks on south end of a ledge of rock, in place bears S. 73° W. 38 lks. (rock 10 ft. high and 30 ft. long, marked above cross
T. 38 S. R. 9 W. S. 36.
Land, hilly and level bottom.
Soil, rocky and sandy loam, 1st and 4th rate.
No timber. Brush dense, oak, maple, whortleberry, currant and rose, 80 chs. June 2nd 1892

Guide Meridian Tp. 38 S.

chains At 1 P. M. the var. has decreased 12' by diurnal change.
North between Secs. 25 and 30
Var. 15° E.
Descend abruptly through dense brush.
8.00 Bottom, clear of brush.
course S. 25° E.
28.00 Ascend abruptly through dense brush.
34.00 Top of point, 250 feet above bottom, course N. 40° E.
36.00 Descend abruptly.

38.50 Bottom, course E. and W.
39.40 Ledge of rock in place, slopes to the South, course E. and W.
40.00 Second Corner falls on ledge of rock in place, cut a cross at exact point where corner falls for 1/4 Sec. Cor. marked below cross 1/4 S. from which
A cedar 14 ins. diam. bears N. 42° E. 69 lks. marked 1/4 S.B.T.
Ascend abruptly through dense

between

chains brush
45.00 Top of
bottom

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80.00 Set a
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between Rs. 8 and 9 W.

chains brush.

45.00 Top of point about 300 ft. above bottom, course E and W.

50.50 Bottom about 300 ft. below top of point, course N. 10° E. through dense brush up bottom.

80.00 Set a sandstone 24X12X8 ins. 16 ins. in the ground for cor. to secs. 24, 25, ~~30~~ 19 and ~~31~~ 30 marked with 2 notches on S. and 4 notches on N. sides, and T. 38 S. on E. and R. 9 W. on West faces.

Raised a mound of stones 4 ft. base 3½ ft. high alongside

Pits impracticable.

Land, level and hilly.

Soil, stony and sandy loam 1st and 4th rate.

Timber a few pines, and cedars.

Dense brush, oaks, willow, cherry boxelder and whortleberry bushes.

June 2nd 1892.

7 A.M. June 3rd 1892.

Guide Meridian T. 38 S.

Chains North between secs. 24 and 19
Var. 15° 12' E.
Ascend very abruptly through dense brush.

5.20 A small fresh water spring 3 lks. wide. 20 lks. west of line course S.

5.65 Top of plateau about 1000 ft. above bottom, course S. 80° E. soon turns nearly south

24.00 Ascend gradually through scattering sage and dense oak brush.

24.50 Enter timber

40.00 Set a sandstone 24 X 12 X 6 ins. 16 ins. in the ground for 1/4 sec. cor. marked 1/4 on W. face. from which
a spruce 20 ins. diam. bears N. 80° W. 30 lks. marked 1/4 S. B. T.
A quaking asp. 8 ins. diam. bears N. 75° E. 30 lks. marked 1/4 S. B. T.

54.90 Ravine about 20 ft. deep, course E and W.

between

Chains
74.00 Lea
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between Rs. 8 and 9 W.

chains

74.00 Leave timber and enter wet bottom about 500 ft. below 1/4 Sec. Cor. Course S. 80° E.

74.50 Small fresh water creek 7 lks. wide. Course S. 75° E.

79.00 Leave wet bottom and enter scattering timber

80.00 Set a sandstone 20x10x10 ins. 14 ins. in the ground for corner to Secs. 13, 18, 19 & 24 marked with 3 notches north and south, from which a yellow pine 12 ins. diam. bears S. 81° E. 58 1/2 lks. marked T. 38 S. R. 8 W. S. 19 B. T.
A quaking asp 14 ins. diam. bears N. 56° E. 50 lks. marked T. 38 S. R. 8 W. S. 18 B. T.
A fir 20 ins. diam. bears S. 74° W. 116 lks. marked T. 38 S. R. 9 W. S. 25 B. T.
Raised a mound of stones 3 ft. high, 3 ft. base alongside. Pits impracticable

Guide Meridian T. 38 S.

Chs. Land rolling and level.
Soil, stony, sandy and clay
loam 1st and 4th rate.
Timber, pine, fir, spruce, qua-
king asp and a few cedars,
Dense undergrowth same,
Brush, oak, and Whortleberry
80 chs. June 3rd 1892.

1 P.M. var. has decreased
11' by diurnal change.
North between secs. 13 & 18.
Var. 15° 1' E.

15.20 A small rivulet of fresh
water 2 lks. wide, course S.25
19.10 Dry channel or gulch 10 ft.
deep, course S.E.
19.30 Ascend abruptly through
very scattering timber
40.00 Set a sandstone 20X12X10 ins.
14 ins. in the ground for 1/4 sec.
cor. marked 1/4 on W. face from
which
a yellow pine 20 ins. diam
bears. S. 54° W. 270 lks. marked 1/4
S. B. T.

between Rs. 8 and 9 W.

chains A black pine 20 ins. diam. bears S. 89° E. 81 lks. marked 1/4 Sec B. T. Raised a mound of stones 3 ft. base, 3 ft. high alongside Pits impracticable.

65.50 Top of ridge about 800 ft. above flat, course N. 85° E.

66.00 Enter heavy timber.

76.50 Head of gulch, course N. 28° E.

80.00 Set a sandstone 20X10X8 ins. 14 ins. in the ground for cor. to Secs. 7, 12, 13 and 18, marked with 4 notches on S. and 2 notches on N. edges, from which a spruce 9 ins. diam. bears S. 3° E. 44 1/2 lks. marked T. 38 S. R. 8 W. S. 18 B. T. A fir 28 ins. diam. bears S. 69° W. 14 lks. marked T. 38 S. R. 9 W. S. 13. B. T. A Fir 24 ins. diam. bears N. 73° E. 78 lks. marked T. 38 S. R. 8 W. Sec. 7 B. T. A Spruce 12 ins. diam. bears N. 6° W. 14 1/2 lks. marked T. 38.

Guide Meridian T. 38 S.

chains S. R. 9 W. S. 12 B. T.
Raised a mound of stones
3 ft. base, 2 ft. high along
Pits impracticable.
Land, level and hilly.
Soil, stony, gravel and sandy
loam, 1st and 4th rate.
Timber, heavy pine, fir
spruce and quaking asp.
14.50 chs. undergrowth same
Ascent of ridge on south
side very abrupt 46.20 chs.
June 3rd 1892.

8 A. M. June 4th 1892.
North between secs. 7 & 12
Var. 15° 13' E.
I have run this Tp. line
so far with fore and back
sights. Had one back sight
3½ miles and every visible
cor. and pole was in line.
18.50 Descend very abruptly.
40.00 Set a sandstone 20 x 16 x 6 ins.
14 ins. in the ground for 1/4

between Rs. 8 and 9 W.

chains Sec. Cor. marked 1/4 on
W. face from which a
fir 14 ins. in diam. bears
S. 13° E. 25 lks. marked
1/4 S. B. T.
A spruce 12 ins. diam.
bears S. 43° W. 17 lks.
marked 1/4 S. B. T.
Raised a mound of
stones 3 ft. base. 3 ft. high
alongside. Pits impracticable
44.67 South margin of Duck
lake. Set a sandstone
20X12X8 ins. 14 ins. in the
ground for meander cor. to
fractional secs. 7 and 12
marked M. C. on W. face
from which a fir 20 ins.
diam. bears,
S. 51° E. 61 lks. marked T. 38 S.
R. 8 W. S. 7 W. C. B. T.
A fir 24 ins. diam. bears
S. 32° W. 46 lks. marked
T. 38 S. R. 9 W. S. 12. M. C. B. T.
44.80 Sent flag to north side of

Guide Meridian T. 38 S.

chains of lake, and measure a base 8.06 chs. east and set a post 8 ft. high, and another on the line. Crossed the lake and took the angle 20°1'; Cot. 2.745 × 8.06 chs. = 22.12 chs. + 44.67

66.92 Set a sandstone 20×12×8 ins. 14 ins. in the ground for meander cor. to fractional secs. 7 and 12, marked on S. face M. C. from which A. fir. 20 ins. diam. bears N. 45° E. 61° lks. marked T. 38 S. R. 8 W. Sec. 7 M. C. B. T.

67.00 Enter scattering timber and ascend abrupthy.

72.51 A fir 20 ins. diam. is in the line, marked with 2 notches N and S.

57.75 / 22.25 80.00 Set a sandstone 20×10×5 ins. 14 ins. in the ground for cor. to secs. 1. 6. 7 & 12. marked with 5 notches on S. and 1 notch on N. faces

between Rs. 8 and 9 W.

chains from which
a fir 12 ins. diam. bears
S. 35° E. 103 lks. marked T.38 S. R.8 W. S.7 B.T.
A fir 15 ins. diam. bears.
N. 23° W. 53½ lks. marked T.38 S. R.9 W. S.1 B.T.
A fir 15 ins. diam. bears
S. 57° W. 61 lks. marked T.38 S. R.9 W. S.12 B.T.
A fir 12 ins. diam. bears
N. 82° E. 32 lks. marked T.38 S. R.8 W. S.6 B.T.
Raised cairn mound of stones and earth 3 ft. base 3 ft. high alongside. Pits impracticable
Land, hilly.
Soil, gravel and rocky 4th rate.
Timber, fir, pine, spruce & quaking asp. Dense undergrowth same. Timber dense 57.75 chains. June 4th 1892.

At 2 P.M. the Var. has decreased 10' by diurnal change, possibly some attraction.
North between Secs. 1 and 6.
Var. 15° 2' E.
15.20 Head of gulch, course S. 80° E.
19.42 Plateau, about 600 ft. above lake

Guide Meridian T. 38 S

chains. Course N. 75° E.

40.00 Set a sandstone 18x10x6 ins. 12 ins. in the ground for 1/4 sec. cor. marked 1/4 on W. face from which a fir 20 ins. diam. bears S. 10° W. 5 lks. marked 1/4 S. B. T. A spruce 10 ins. diam. bears S. 11° E. 15 lks. marked 1/4 S. B. T.

62.00 Descend abruptly.

66.10 Leave timber and enter bottom about 500 ft. below top of Plateau. bottom has no brush. Course E & W.

80.00 Set a limestone 24x10x8 ins. 16 ins. in the ground, for corner to Tps. 37 and 38 S. Rs. 8 and 9 W. marked with 6 notches on each edge, from which a fir 24 ins. diam. bears S. 36° E. 338 lks. marked T. 38 S. R. 8 W. Sec. 6. B. T. A fir 20 ins. diam. bears N. 68° E. 247 lks. marked T. 37 S. R. 8 W. S. 31 B. T. No other trees within the limits. Raised a mound

between Rs. 8 and 9 W.

chains of stones 5 ft. base 4½ ft. high along side

Land, hilly and level.

Soil, Gravel and sandy loam

Heavy timber, fir, pine and quaking asp. 66 to 80 chs. Undergrowth same.

General Description

For general description see end of Notes of Township and subdivision lines of this township.

Jno. Lewman
U. S. Dep. Surveyor.

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BOOK-A-233

U. S. SURVEYOR GENERAL'S OFFICE,

Salt Lake City, Utah, Feby 1st *1893*

The foregoing field notes of the survey of the Guide Meridian

Township No. 38 South *Range No.* 8 & 9 West

Salt Lake Base and Meridian, Utah,

Executed by William Newman

U. S. Deputy Surveyor,

Under Contract No. 181 *of the* 23rd

day of September *18*91*, having been critically examined, the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.*

Ellsworth Daggett

U. S. Surveyor General for Utah.

BOOK-

REPORT:

Filed Sep

Examined by Jam

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BOOK-A-233

REPORT:

Filed September 20th 1892 and January 9th 1893.

Examined by

Transcribed by Henry R. McAllister

Compared by Charles McAllister

FIELD NOTES

OF THE re SURVEY OF THE East and survey of the South and North boundaries

OF

Township No. 38 South

Range No. 8 West

OF THE

SALT LAKE BASE AND MERIDIAN

IN

UTAH TERRITORY,

AS SURVEYED BY

William Lewman

U. S. Deputy Surveyor,

Under his Contract No. 181.

Dated September 23rd 1891

Survey Commenced May 23rd 1892

Survey Completed June 11th 1892

H - 11-50-84 ✓✓

L - 6-28-37 ✓✓

NAMES AND DUTIES OF ASSISTANTS.

	Compassman
[illegible]	*Chainman.*
[illegible]	*Chainman.*
[illegible]	*Chainman.*
[illegible]	*Chainman.*
[illegible]	*Axeman.*
[illegible]	*Axeman.*
[illegible]	*Flagman.*
[illegible]	Flagman

BOOK-A-2

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Deputy's Statement in regard to administration of oaths.

As my assistants & myself met in the township in which work was to done & the nearest Notary Public or Justice of the Peace lives about 30 miles distant I administered the necessary oaths myself in order to save the expense and delay of a journey to either of those officers

William Leuman
U. S. Dep. Surveyor.

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Subscribed an

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[I.—PRELIMINARY OATH OF CHAINMEN.]

We, Ellias Whittington and Jesse H. Carling do solemnly swear that we will well and faithfully execute the duties of chain carriers; that we will level the chain upon even and uneven ground and plum the tally pins, either by sticking or dropping the same; that we will report the true distance to all notable objects, and the true length of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of the East and West Survey of the South and North boundaries and the Subdivisions of Tp. 38 S. R. 8 W. of the Salt Lake base and meridian in the Territory of Utah.

Ellias Whittington, Chainman.

Jesse H. Carling, Chainman.

, Chainman.

, Chainman.

Subscribed and sworn to before me this 23rd day of May 1892

[illegible]

U. S. Deputy Surveyor

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Subscribed a

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[2.—PRELIMINARY OATH OF AXEMAN.]

I, Charles E. Curtis

~~and~~

do solemnly swear that I will well and truly perform the duties of Axeman, in the establishment of corners and other duties, according to instructions given me and to the best of my skill and ability, in the survey of the East and West survey of the South and North boundaries and the Subdivisions of township 38 South, range 8 West

of the Salt Lake base and meridian in the Territory of Utah.

Charles E. Curtis, Axeman.

, Axeman

Subscribed and sworn to before me this 23rd day of May 1892

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U. S. Dep. Surveyor

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Subscribed an

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3.—PRELIMINARY OATH OF ~~COMPASSMAN~~ Flag.]

I, Franklin Stevens

do solemnly swear that I will well and truly perform the duties of compassman, according to instructions given me, and to the best of my skill and ability, in the re survey of the East and survey of the South and North boundaries and the Subdivisions of township 38 south range 8 west

of the Salt Lake base and meridian in the Territory of Utah.

Franklin Stevens, ~~Compassman~~ Flag.

Subscribed and sworn to before me this 23 day of May 1892.

William [illegible]

U.S. Dep. Surveyor

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East boundary T. 38 S. R. 8 W.

chs. Resurvey of a portion of T. 38 S. R. 8 W. of the Salt Lake base and Meridian, Utah.

Survey commenced May 23rd 1892, with an Engineer's transit made by W. and J. E. Gurley and provided with a Solar attachment and variation plate.

At the corner to Tps. 37 & 38 S. Rs. 7 and 8 W. in latitude 37° 32' 58.5" N. and longitude 112° 39' 41.6" W. I observe Polaris at 9h. 32m. P.M. correct local mean time, and find the magnetic bearing of the star to be N. 16° 28' W.

Correct local mean time of observation May 23	9h	32m
Tabular time M.C. of Polaris May 15	21	39.0
Reduction for 7 days subtract		27.4
	21	11.6

East boundary T. 38 S. R. 8 W.

chs. Which taken from time of obs. leaves the hour angle of Polaris.

	12.	20.4
Subtracted from	23	56.1
Argument (Table II.)	11	35.7
Azimuth of Polaris for lat. 37° N.	0	9' East.
North end of needle	16°	28' East.
The sum is the var.	16°	37' East.

Play off the azimuth 9' to the West and drive a picket on the true meridian thus found, 6.00 to the north

At 7 A.M. May 24th 1892 I find the variation of the true meridian to be 16° 31' East.
Mean declination 16° 37' E. at the above named corner. which is a black basaltic rock 24 x 10 x 8 in a stone pile, and correctly marked. I added a mound

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East boundary, T. 38 s. R. 8 W.

chs.	of stones 5 ft. base, 5 ft high alongside, and 3 witness trees viz.
	A fir 24 ins. diam. bears N. 77° E. 375 lks. marked T. 37 s. R. 7 W. S. 31 B. T.
	A fir 20 ins. diam. bears N. 56° W. 600 lks. marked T. 37 s. R. 8 W. Sec. 36. B. T.
	A pine 24 ins. diam. bears S. 62° E. 620 lks. marked T. 38 s. R. 7 W. S. 6. B. T.
	Thence I run South between secs. 1 and 6. Var. 16° 31' E.
6.00	Point of timber, course N E & S. E.
10.00	The old cor. bears N. 25° E. 32 lks.
10.20	Leave Lava bed, and enter timber.
10.00	The old corner bears N. 60° W. 17 lks.
	Land nearly level.
	Soil, south of lava bed, gravel and sandy loam 3rd & 4th rate.

East boundary T. 38 S. R. 8 W.

chs. Timber; Heavy pine, spruce, fir
tolerably dense undergrowth of same

At 1 P.M. the var. is 15°23' E.
Mean declination 15°37' E.
South between secs. 7 and 12
Var. 15°23' E.

26.50 Descend abruptly.
40.00 Cor. bears N. 72° W. 32 lks.
46.50 Leave timber and enter bottom.
51.03 Duck creek 40 lks. wide, course ~~S. 41° W. &~~ N. 50° E. Creek about 600 ft. below plateau. This creek runs about 2000 inches of fresh water and rises in a spring about 60 chs. S W.
53.20 Enter timber and black rocks.
70.46 Wagon road, course S. 80° W.
77.00 Ascend abruptly.
80.00 Corner to secs. 7, 12, 13 and 18, bears N. 65°10' W. 65 lks.
Land level 60.40 chs. sloping 29.60 chs.
Soil, rocky and sandy loam 2nd and 4th rate.

73°10'

East boundary T. 38 S. R. 8 W.

Chs. Timber, pine, fir and quaking asp, Dense undergrowth same
73.30 Chs. May 24th 1892.

At 4 P. M. the var. is 15°10' E.
Mean declination 15°13' E.
South between Secs. 13 and 18
Var. 15°10' E.

24.50 Plateau about 500 ft. above creek, course N. E and S. W.

40.00 1/4 Sec. cor. bears N. 37° W. 73 lks.
South through dead timber

80.00 Cor. to secs. 13, 18, 19 and 24, bears S. 7° W. 123 lks.
Land, level 55.50 chs. sloping 24.50 chs.
Soil, sandy, gravel and limestone 2nd rate,
Timber, pine, fir and quaking asp. 80 chs. Dense undergrowth same, and currant and whortleberry. 80 chs.
May 24th, 1892.

At 7 A. M. May 25th, 1892

East boundary T. 38 S. R. 8 W.

chs. the var. is 15° 12' E.
Mean declination 15° 8' E.
South between secs. 19 and 24
Var. 15° 12' E.
5.00 Descend gradually.
23.55 Descend abruptly.
36.00 Ledge of white marble.
40.00 1/4 Sec. cor. bears S. 40° W. 187 lks.
41.12 Willis creek 10 lks. wide, about 500 ft. below plateau.
Course S. 30° W. and N. 35° E.
41.20 Ascend abruptly through brush
61.50 Plateau, about 500 ft. above creek, course N. 80° W and N. 40° E. Scattering timber.
80.00 Cor. to secs. 19. 24. 25 and 30. bears S. 34° 30' W. 184 lks.
Land, level 23.50 chs. sloping 56.50 chs.
Soil, limestone gravel, 2nd rate.
Timber, pine, fir spruce and quaking asp. much of it dead, Undergrowth same and dense 80 chs.

East boundary T. 38 S. R. 8 W.

chs. At 1 P. M. the var. is 15°11' E.
Mean declination 15°16' E.
South between secs. 25 and 30.
Var. 15°11' E.
Through scattering timber
much of it dead.
40.00 1/4 Sec. Cor. bears S. 35°5' W. 248 lks.
80.00 Cor. to secs. 25. 30. 31 and 36.
bears S. 11°10' W. 271 lks.
Land, level 80 chs.
Soil, limestone gravel, 2nd rate.
Timber, heavy, pine, fir, spruce
and quaking asp. 80 chs.
Dense, undergrowth same, 80 chs.
May 25th, 1892.

At 7 A. M. May 26th, 1892.
the var. is 15°12' E.
Mean declination 15°8' E.
South between secs. 31 and 36.
Var. 15°12' E.
Through timber and brush.
15.50 Descend very abruptly through
timber.
39.00 Wagon road, course N. 80° W.

East boundary T. 38 S. R. 8 W.

chs.

39.60 Leave timber.

39.65 Lar's. creek 10 lks. wide and about 600 ft. below plateau Course N. 80° W.

40.00 Set a temporary 1/4 sec. cor. I could not find the old cor.

41.50 Enter timber and ascend abruptly

55.20 Top of point, about 200 ft. above creek, course E and W.

55.50 Descend abruptly along east slope of point.

70.00 Leave timber and enter bottom

74.54 Strawberry creek 10 lks. wide about 250 ft. below top of point course N. 45° E and S.

82.86 Intersect south boundary of township 94 lks. West of cor. to townships 38 and 39 S. Range 7 and 8 West.

68.10
14.76

Land level 28.36 chs. rolling 54.50 chs.

Soil, of bottom sandy loam 2nd rate hills and plateaus limestone gra

East boundary T. 38 S. R. 8 W.

chains 3rd rate.

Heavy, timber, pine, fir, & spruce
68.10 chs. Undergrowth same

I resurveyed this line May 27th and 28th 1892, and found it correctly measured and the error in the old survey fully established, as given in the field notes of this survey.

I also run the line with fore and back sights nearly its entire length.

BOOK-

South

Chains Ma
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S. 6
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R. 4
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South boundary T. 38 S. R. 8 W.

chains May 29th 1892.
At the cor. to Tps. 38 and 39 S.
Rs. 7 and 8 W. which is a
limestone 20 x 12 x 2½ ins. 15 ins.
in the ground, marked with
6 notches on the N.E. S.E. S.W. &
N.W. edges, from which
A quaking 10 ins. diam.
bears S. 58° 30' E. 69½ lks.
marked T. 39 S. R. 7 W. S. 6. B. T.
A quaking asp 8 ins. diam. bears
S. 69° W. 8 lks. marked T. 39 S.
R. 8 W. S. 1. B. T.
A quaking asp 7 ins. diam. bears
N. 48° 15' W. 17 lks. marked
T. 38 S. R. 8 W. S. 36 B. T.
A quaking asp 7 ins. diam. bears
N. 77° E. 19½ lks. marked
T. 38 S. R. 7 W. S. 31 B. T.
Raised a mound of earth
5 ft. base 4½ ft. high along-
side.
Having placed my transit
over the above named corner,
I observed Polaris at 8h 30m P.M.

South boundary T. 38 S. R. 8 W.

Chains Correct local mean time.
(I correct my watch every day
I drove a picket 3 chains N of corner and left
my transit over the corner
until morning

At 7 A. M. May 30th 1892,
I find the magnetic bearing
of the line established last to
to be N. 15° 20' W.

Correct local mean time of obs. May 29th 1892.	8h	30m.
Tabular time U. C. of Polaris May 15th 1892	21h	39.0
Reduction 13 days, Subtract		51.0
Time U. C. May 28	20.	48.0
which taken from time of obs.	32	30.0
leaves hour angle of Polaris		
	11	42
Azimuth of Polaris for lat. 37° 30' (Table 2)		7' West.

South boundary T. 38 S. R. 8 W.

Chains North end of needle 15° 20' east

The difference is the var. 15° 13' east

Play off the azimuth 7' to the east, and make the true meridian so determined by driving a picket 4 chs. north on the true line north of the corner

Mean declination 15° 8' E.
West on true line between secs. 1 & 36
Var. 15° 13' E.

4.00 Strawberry creek 10 lks. wide course N. 45° E.

39.0 5.00 Ascend abruptly.

51.0 7.00 Enter timber.

37.50 Plateau, about 600 ft. above creek course N. 80° E.

48.0

30.0 40.00 Set a limestone 12 X 8 X 6 ins. 8 ins. in the ground for 1/4 sec. Cor. marked 1/4 on N. face, from which

42 A fir 20 ins. diam. bears S. 54° W. 13 lks. marked 1/4 N.B.T.

7' West. A pine 24 ins. diam. bears N. 16° W.

South boundary T. 38 S. R. 8 W.

Chains 46 lks. marked 1/4 S. B. T.
Raised a mound of stones 2 ft. base, 2 ft. high alongside
74.00 Enter considerable dead timber and descend abruptly
80.00 Set a limestone 24 x 10 x 5 ins. 16 ins. in the ground, for cor. to secs. 1, 2, 35 and 36. marked with 1 notch on E. and 5 notches on W. edges from which
A fir 20 ins. diam. bears S. 61° E. 72 lks. marked T. 39 S. R. 8 W. S. 1. B. T. No other trees within the limits. Raised a mound of stones 3 1/2 ft. base, 3 ft. high alongside.
Land rolling and level.
Soil, sandy loam and gravel, 2nd rate.
Timber, pine, fir, spruce and quaking asp much of it dead.

At 1 P. M. the var. has decreased 11' by diurnal change.
West between secs. 2 and 35
Mean declination 15° 8' E.
Var. 15° 2' E.

South boundary T. 38 S. R. 8 W.

Chains Descend abruptly through timber and brush.

20.00 Dry gulch 10 lks. wide 5 ft. deep course N. and S.. About 700 ft. below plateau.

21.00 Ascend gradually up gulch over fallen timber and through brush.

40.00 Set a sandstone 16 x 8 x 4 ins. 10 ins. in the ground for 1/4 Sec. Cor. marked 1/4 on N. face from which A pine 20 ins. diam. bears N. 14° W. 264 lks. marked 1/4 S.B.T. No more green trees within the limits. Raised mound of stones and earth 2 1/2 ft. base 3 ft. high alongside.

47.00 The gulch turns N. 80° W. and ascend abruptly through fallen timber and dense brush

68.57 Perpendicular limestone cliffs about 700 ft. above dry gulch, course N. W. soon turns north. The cliffs are inaccessible where the line crosses them. I put in a witness cor. 35 lks.

South boundary T. 38 S. R. 8 W.

chains east of the edge of the cliffs
viz. a limestone 24 X 13 X 10 ins. 16 ins.
in the ground for witness cor.
to secs. 2 . 3 . 34 and 35 marked
with 2 notches on east and 4
notches on W. edges. and W. C.
on N. E. face from which
A fir 16 ins. in diam. bears
N. 5° E. 72 lks. marked T. 38
S. R. 8 W. S. 35 W. C. B. T.

A fir 10 ins. diam. bears
S. 61° E. 41 lks. marked T. 39 S.
R. 8 W. S. 2. W. C. B. T.
Raised a mound of stones
3 ft. base, 3 ft. high alongside,
I offset two chs. north
Thence I run
West
78°59 Descend very abruptly
through timber
— 80.00 Cannot offset south
to Cor. as it falls
in the cliffs.
Land rolling and hilly

South boundary T. 38 S. R. 8 W.

Chains Soil, gravel 4th rate.
Timber, pine, fir, spruce and quaking asp 80 chs. Dense undergrowth same 80 chs. May 30th 1892.

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9 A. M. May 31st. 1892.
West between Secs. 3 and 34.
Var. 15° 8' E.

20.00 Offset 6 chs. south to line
Thence I run
West.
Descend abruptly along south side of gulch, through scattering timber and dense undergrowth

40.00 Set a limestone 12 x 8 x 5 inches 8 inches in the ground for 1/4 sec. cor. marked 1/4 on N. face from which
A pine 24 ins. diam. bears
S. 2° E. 33 lks. marked 1/4 S. B. T.

A spruce 12 ins. diam. bears
N. 56° E. 43 lks. marked 1/4 S. B. T.

The above cor. is about 1000 ft. below the top of the cliffs.

South boundary T. 38 S. R. 8 W.

Chains.

45.00 Ascend through scattering timber and dense undergrowth.

57.00 Top of point, about 100 ft. above the Sec. Cor. Course S.

71.50 Descend abruptly through dense brush and scattering timber

79.50 Mouth of ravine about 150 ft. below top of point course S. 15° E. Leave timber

80.00 Set a sandstone 28 x 8 x 6 ins. 18 ins. in the ground, for Cor. to Secs. 3. 4. 33 and 34. marked with 3 notches on the E & W. faces from which a quaking asp 10 ins. diam. bears S. 19° E. 114 lks. marked T. 39 S. R. 8 W. S. 3 B. T. no other trees within limit. Raised a mound of stones 3 ft. base 3 ft. high alongside. pits impracticable

Land, level and hilly.

Soil, gravel, 4th rate.

Timber, pine, fir, spruce and quaking asp.

Undergrowth, oak, quaking asp, whortleberry and mansanite.

South boundary T. 38 S. R. 8 W.

chains 11 A. M. May 31st 1892.
West between Secs. 4 and 33.
Var. 15° 10' E.
Along north side of hill through dense brush.

40.00 The corner falls on the north side and east end of a ledge of rock in place 20 ft. high and 1.00 chain in length east and west. I cut a cross at the exact spot where the corner falls and 1/4 S. below from which a quaking asp 4 ins. diam. bears N. 5° E. 25 lks. marked 1/4 S. B. T.

41.00 Leave ledge of rock.

45.00 Descend abruptly through dense brush.

62.00 Enter bottom at mouth of gulch about 100 ft. below 1/4 Sec. Cor. course S. E.

80.00 Set a sandstone 36 X 18 X 8 ins. 24 ins. in the ground for Cor. to Secs. 4. 5. 32 and 33 marked with 4 notches on the East and 2 notches on the W.

South boundary T. 38 S. R. 8 W.

chains faces from which
A pine 28 ins. diam. bears
N. 7° W. 576. lks. marked T. 38 S.
R. 8 W. S. 32 B. T. No other trees
Raised a mound of stones
and earth 2½ ft. base, 2 ft. high
alongside.
Land, hilly and level.
Soil, rocky and sandy loam
1st and 4th rate.
Timber, a few pines.
Dense brush oak, quaking
asp, willow, birch, sage and
currant. May 31st, 1892.

May 31st 1892.
At the corner to secs. 4.5.32
and 33 I observe Polaris at 9
P.M. correct time (mean
local) and drive a picket 4 lks. N. of corner and
leave my transit on the corner
until morning.

At 7 A.M. June 1st 1892. I
find the magnetic bearing

South boundary of T. 38 S. R. 8 W.

chains of the line established last night to be 15° 4' W.

Local mean time of obs. 9h 0m

Tabular time U. C. Polaris
May 15th 21. 39.0
Reduction for 15 days subtract, 58.8

Local mean time U. C. May 30th 20. 40.2.
Which taken from time of obs. 33. 00.0
Leaves hour angle of
Polaris 12. 19.8

Subtract from 23. 56.1

Argument (Table 2) 11. 36.3

Azimuth of Polaris for
lat. 37° 30' North (Table 2) 8° east
North end of needle 15° 4 east

The sum is the var. 15° 13' east
Mean declination 15° 6' east

South boundary T. 38 S. R. 8 W.

chains. I lay off the azimuth 9' to the West and mark the true meridian so found.

West between secs. 5 and 32
Var. 15° 13' E.
Across the bottom through willow brush.

20.20 Wagon road, course N. 55° E.
Ascend abruptly through dense brush.

25.00 Top of hill about 200 ft. above bottom. Course S. 10° E. & N. 15° E.
and descend abruptly through dense brush.

29.30 Bottom about 200 ft. below top of ridge. Course N. 20° E.

35.00 Ascend abruptly through dense brush.

40.00 Set a sandstone 30 X 15 X 8 ins. 20 ins. in the ground for 1/4 Sec. Cor. marked 1/4 on N. face.
Raised a mound of stones 3 ft. base, 3 ft. high alongside.
Pits impracticable.

South

chains

51.50 Top of
bottom

52.00 Desce
brush

79.00 Bottom
of ric
Cours
same

80.00 Set a
24 in
secs.
with
on W
a pi
S. 60°
R. 8
withi
of S
3 ft.
Pits
Lam
Soil,
1st a
Tim

South boundary T. 38 S. R. 8 W.

chains

51.50 Top of ridge, about 500 ft. above bottom, Course N. 20° E.

52.00 Descend abruptly through dense brush.

79.00 Bottom about 500 ft. below top of ridge, at mouth of gulch, Course of ridge N. 25° E. gulch same, leave dense brush

80.00 Set a sandstone 36 X 15 X 5 ins. 24 ins. in the ground for Cor. to secs. 5, 6, 31 and 32, marked with 5 notches on E. and 1 notch on W. faces from which a pine 24 ins. diam. bears S. 60° W. 254 lks. marked T. 39 S. R. 8 W. S. 6 B. T. No more trees within limits. Raised a mound of stones and earth 3 ft. base 3 ft. high alongside.

Pits impracticable.

Land, hilly and level.

Soil, rocky and sandy loam 1st and 4th rate.

Timber a few scattering

South boundary T. 38 S. R. 8 W.

Chains trees. Brush, dense oak, willow currant and whortleberry. 58.80 chs.

June 1st 1892.

1 P.M. Var. has decreased by diurnal change 11'
West between secs. 6 and 31.
Var 15° 02' E.

5.58 Wagon road, Course N. 22° E.

5.71 Enter dense brush and scattering timber

8.00 North fork of Virgin river 20 lks. wide, Course N. and S.

15.00 Ascend abruptly over black rocks and through dense brush, Leave timber.

16.50 Bench about 40 ft. high, course N. 10° W.

21.50 Wagon road, course N. and S. 10 E.

22.00 Leave black rocks, and enter east side of Harmon, S. Cutler's field Course S. 10° E. and N. contains about 10 acres.

28.00 West side of field, course N. & S.

29.50 Ditch, course S. And ascend abruptly through dense brush

33.06 Top of hill or ridge about 150 ft. above bench. course N. 10° W. & S. E.

33.20 Descend abruptly through dense

South boundary T. 38 S. R. 8 W.

chains. brush.

39.50 Bottom, about 200 ft. below top of ridge. Course N. 10° W.

40.00 Set a sandstone 24 X 12 X 8 ins. 16 ins. in the ground for 1/4 Sec. Cor. marked 1/4 on N. face. Raised a mound of stones and earth 3 ft. base 2 1/2 ft. high alongside. Pits impracticable. across bottom through willow brush.

57.00 Leave bottom and ascend abruptly through dense brush.

71.50 Top of hill about 700 ft. above bottom, Course N. 45° W. & S. 45° E.

76.00 Descend abruptly through dense brush.

~~Allowing for the convergency of meridians~~

78.90 Set a sandstone 36 X 10 X 10 ins. 20 ins. in the ground ~~for~~ Cor to Tps. 38 and 39 S. R.s. 8 and 9 W. marked with 6 notches on N.E. S.E. S.W. and N.W. edges. from which:

A pine 24 ins. diam. bears N. 20° E. 72 lks. marked T. 38 S.

South boundaries T. 38 S. R. 8 W.

chains R. 8 W. S. 31 B. T.
A cedar 15 ins. diam. bears
N. 42° W. 45 lks. marked T. 38 S.
R. 9 W. S. 36 B. T.
A cedar 15 ins. diam. bears
S. 14° W. 15 lks. marked
T. 39 S. R. 9 W. S. 1 B. T.
No more trees within the limits
Raised a mound of stones 5 ft.
base, 4½ ft. high alongside.
Pits impracticable
Land, level 40.00 chs. balance
hilly.
Soil, rocky and sandy loam
1st and 4th rate,
Timber a few scattering pines
Dense brush, oak, willow,
birch, maple and sage 65.69 chs
1 mile, 47 chs. of this boundary over
bottom. 6 chs. over ploughed
land, 4 miles 25.90 chs. over
hills. Timber or brush on
5 miles 52 chs.

North boundary T. 38 S. R. 8 W.

Chains

June 5th 1892.

At the cor. to Tps. 37 and 38 S. Rs. 7 and 8 W. I observe Polaris at 9h 15m P. M. correct local mean time and drive a picket on the line 6.00 chs. south. I leave my instrument over the corner until morning.

At 8 A. M. June 6th 1892, I find the magnetic bearing of the line established last night to be N. 16° 2' W.

Time of observation 9h 15m
local mean time
June 5th 1892.

Local mean time
W. L. Polaris June 1 20. 32.4
Reduction 4 days subtract 15.7

Local mean time W. L
June 5th 20 16.7

North boundary T. 38 s. R. 8 W.

chains Which taken from time of obs. 33^h 15^m

Leaves hour angle of Polaris	12	58.3
Subtract from	23	56.1
Argument table 2	10	57.8

Azimuth of Polaris for lat. 37° 30' $2\overset{3}{\cancel{5}}$' east
North end of needle 16° $\overset{2}{\cancel{3}}$ east

The sum is the var, 16° $2\overset{5}{\cancel{8}}$' east

I lay off the azimuth $2\overset{3}{\cancel{5}}$' to the west and mark the true meridian thus found It exactly corresponds with the Meridian established May 23rd also with that established in Dec. 1801.
The mean declination is 16° 22' E.

At 9 a.m, the var. 16° 27' E.

North boundary T. 38 S. R. 8 W.

of obs. 15m

58.3

56.1

57.8

2 3/5 east

2 3/5 east

2 5/8 east

2 3/5

le the

found

with

d May

tablished

16° 22' E.

chains From the cor. to Tps. 37 & 38 S. Rs. 7 & 8 W. I run a randon line S. 89° 40' W. between said Tps. calculated from the excess found on East boundary of 2.86 chs. equal to 47 lks. per mile.

Var. 16° 27' E.

I set temporary half mile and mile corners at each 40 and 80 chs. and find the line to be 5 miles 77 chs. and 45 lks. long. and the falling to be 28 lks. south of the cor. to Tps. 37 and 38 S. Rs. 8 and 9 W.

The correction for the true line will therefore be 4 2/3 lks. north per mile, and its course will be N. 89° 42' E.

From the cor. to Tps. 37 & 38 S. Rs. 8 and 9 W.

I run

North 89° 42' E. between secs. 6 and 31 on a true line.

Var. 15° 12' E.

3.50 Enter timber and ascend, course N and S.

North boundary T. 38 S. R. 8 W.

Chains

5.00 Plateau, about 20 ft. above Fp. Cor.
29.80 Descend abruptly.
31.80 Gulch 100 ft. deep course S. 30° E.
32.00 Wagon road, course S. 30° E.
32.30 Ascend abruptly.
36.58 Plateau, about 100 ft. above gulch
37.45 Set a limestone 20 x 10 x 5 ins. 14 ins. in the ground for 1/4 sec. Cor. marked 1/4 on N. face from which
A fir 10 ins. diam. bears
S. 52° E. 45 lks. marked 1/4 S. B. T.
A fir 10 ins. diam. bears
N. 44° W. 24 lks. marked 1/4 S. B. T.
77.45 Set a black basaltic rock 20 x 18 x 14 ins. 14 ins. in the ground for Cor. to Secs. 5. 6. 31. and 32. marked with 1 notch on W. and 5 notches on E. edges, from which
A quaking asp. 12 ins. diam. bears
S. 11° E. 15 lks. marked T. 38 S. R. 8 W. S. 5. B. T.
A quaking asp. 4 ins. diam. bears
N. 50° W. 2 1/2 lks. marked T. 37 S. R. 8 W. S. 31 B. T.

North boundary T. 38 S. R. 8 W.

chains A quaking asp 12 ins. diam. bears 76° W. 31 lks. marked T. 38 S. R. 8 W. S. 6. B. T. no more trees within the limits. Raised a mound of stones 3 ft. base, 3 ft. high alongside. Land. Plateau and rolling Soil rocky. 4th rate. Heavy timber and Dense underg. -rowth 73.95 Chs. June 9th 1892.

At 1 P. M. the var. has decreas-ed 10' by diurnal change. North 89°42' E. on a true line between secs. 5 and 32.

Var. 15° 1' E.

7.50 Descend abruptly.

22.50 Creek 20 lks. wide. about 400 ft. below plateau. Course S. 20° E. soon turns east

23.00 Leave timber and enter lar bed, Course, same as creek

40.00 Set a black basaltic rock 20 x 10 x 10 ins. in a stone pile for 1/4 sec. Cor. marked 1/4 on N. face. Raised a mound of stones 4 ft. base 3 ft. high alongside. Pits

North boundary T. 38 S. R. 8 W.

Chains impracticable.

80.00 Set a black basaltic rock, 22X10X5 ins. in a stone pile marked with 2 notches on W. and 4 notches on E. edges, for cor. to Secs. 4. 5. 32 and 33 with post 4 ins. square alongside. Marked T. 37 S. Sec. 33 on N. E. R. 8 W. S. 4 on S. E. T. 38 S. Sec. 5 on S. W. R. 8 W. S. 32 on N. W. faces. Raised a mound of stones 3 ft. base, 3 ft. high alongside

Land level

Soil, rocky 23 chs., 4th rate Lava bed 57 chs. no rate

Heavy timber, pine, spruce, fir, and quaking asp 23 chs. No timber 57 chs.

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8 A. M. June 10th 1892.

The var. is 16°56' E

Mean declination 16°50' E.

North 89°42' E. on a true line between Secs. 4 and 33.

Var. 16°56' E.

W.

ock,
pile
n W. and
cor. to
ost 4 ins
37 s. sec
S. E.
S. 32
ound of
alongs

bed 57 lks

ce, fir,
no timber

E.
e line

North boundary T. 38 S. R. 8 W.

Chains

0.00 Set a black basaltic rock 22X 10X8 ins. in a stone pile for 1/4 sec. cor. marked 1/4 on N. face Raised a mound of stones 3 ft. base, 3 ft. alongside. Pits impracticable.

2.00 Leave lava bed and enter timber Descend gradually down a ravine.

10.00 Set a limestone 28X10X8 ins. 18 ins. in the ground for cor. to Secs. 3, 4, 33 and 34, marked with 3 notches on E. and W. edges from which

A fir 20 ins. diam. bears S. 53° E. 8 lks. marked T. 38 S. R. 8 W. S. 3. B. T.

A fir 24 ins. diam. bears S. 34° W. 23 lks. marked T. 38 S. R. 8 W. S. 4. B. T.

A quaking asp. 10 ins. diam. bears N. 65° E. 22 lks. marked T. 37 S. R. 8 W. S. 34 B. T.

A fir 8 ins. diam. bears

North boundary T. 38 S. R. 8 W.

chains N. 48° W. 14 lks. marked T. 37 S.
R. 8 W. S. 33 B. T.
Land nearly level.
Lava bed 72 chs. no soil.
Soil, rocky 8 chs. 4th rate.
Heavy timber pine, fir and quaking
asp. 8 chs. Undergrowth same 80

At 1 P.M. the var. is 14° 47' E.
Mean declination 14° 53' E.
N. 89° 42' E. on a true line between secs. 3 and 34.

Var. 14° 47' E.

11.00 Decscend abruptly 100 ft.
12.58 Level land, course N. and S.
27.50 Leave timber and enter lava bed
course N. and S.
34.30 Scattering timber, course N. and
40.00 Set a black basaltic rock 24 X
10 X 8 ins. in a stone pile, for
1/4 sec. corr. marked 1/4 on N.
face, from which
a quaking asp 12 ins. diam
bears.
S. 79° E. 36 lks. marked 1/4 S. B. T.

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North boundary T. 38 S. R. 8 W.

chains A fir 6 ins. diam. bears
N. 26° E. 12 lks. marked 1/4 S. B. T.
44.10 Leave timber and enter lava bed.
Course S. 25° E.
55.00 Leave lava bed and enter park.
Course S. 20° W
72.00 Leave park and enter lava bed.
and scattering timber. Course S. 35° E.
80.00 Set back basaltic rock 24 x 10 x 10 ins.
in a stone pile for Cor. to Secs. 2.
3. 34 and 35. marked with 4 notches
on W. and 2 notches on E. edges.
from which
A quaking asp 10 ins. diam. bears
S. 47° W. 50 lks. marked T. 38 S. R. 8
W. S. 3 B. T.
A fir 24 ins. diam. bears
N. 40° W. 72 lks. marked T. 37 S.
R. 8° W. S. 34 B. T.
Raised a mound of stones 3 ft.
base. 3 ft. high alongside.
Pits impracticable.
Land rolling and level.
Soil, gravel and rocky 4th rate.
Timber, scattering pine, fir

North boundary T. 38 S. R. 8 W.

chains Spruce and quaking asp.
Undergrowth same

At 5 P. M. the var. is 15° 28' E.
at the Cor. to Secs. 2. 3. 34 and 35
Mean declination 15° 29' E.
North 89° 42' E. on a true line
between Secs. 2 and 35.
Var. 15° 28' E.

16.00 Leave scattering timber and
enter park, Course S. 30° E.

26.00 Leave park and enter timber
and lava rocks. Course S. 10° W.

35.00 Leave timber and enter park
Course N. and S.

40.00 Set a black basaltic rock
20 X 10 X 5 ins. in a stone pile for
1/4 Sec. Cor. marked 1/4 on N.
face. Raised a mound of
stones 3 ft. base, 3 ft. high along
side. Pits impracticable.

42.00 Enter lava bed Course S. W.

75.00 Enter scattering timber
Course N. and S.

80.00 Set a black basaltic rock

North boundary T. 38 S. R. 8 W.

Chains 24X10X8 ins. in a stone pile for Cor. to Secs. 1. 2. 35 and 36. marked with 5 notches on W. and 1 notch on E edges. Raised a mound of stones 3 ft. high, 3 ft. base alongside. Land rolling and level. Soil, black loam and rocky 2nd rate, on lava bed no soil. Timber a few scattering pines, fir and spruce. Undergrowth same with juniper.

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7 A. M. June 11th 1892. North 89°42' E. between secs 1 and 36. on a true line Mean declination 16°42' E. Var. 16°48' E.

5.50 Leave scattering timber and enter Lava bed, Course S. E.

40.00 Set a black basaltic rock 20X10X8 ins. in a stone pile for 1/4 Sec. Cor. marked 1/4 on N. face. Raised a

North boundary T. 38 S., R. 8 W.

chains. mound of stones 3 ft. base, 3 ft. high alongside.
Pits impracticable
54.00 Enter very scattering timber
Course S. W.
60.00 Leave scattering timber and enter lava bed, course S. 20° E.
80.00 The cor. to Tps. 37 and 38 S. Rs. 7 and 8 W.
Land nearly level.
Soil, black loam and rocky
2nd rate, on lava bed no soil.
Timber scattering pine, fir, spruce and quaking asp.
Undergrowth same.
3 miles 46 chs. and 70 lks. of this line have no timber
2 miles 30 chs. and 75 lks. have more or less timber
This has been an extremely difficult line to measure and in some places very dangerous to travel over

Wm. Leuman
U. S. Dep. Surveyor.

General Description.

The land along the east boundary of this township is of little or no value for agricultural purposes. Much of the timber is valuable for lumber, also along the south boundary there is much valuable timber, but it is generally scattering, most of it being pine. The brush is very dense west of the breaks thus making it very difficult to measure that portion of the township. The slope of the land south of the rim of the basin is as much as 100 feet to the mile, thus making it an easy matter to run the water over the ridges to all of the agricultural land. The water supply is sufficient to water the land. There is not much timber along the south half of the west boundary of this township, but the brush is very dense and obstruc-

-tionable, and the hills are very
difficult of ascent. The timber
along the north half of said
boundary is in many places
very obstructionable and the hills
difficult of ascent.

Duck lake is a body of
fresh water about 3 miles
long, and has no fish of any
kind in it. It becomes totally
dry occasionally. Ducks are
about the only water fowls that
infest this lake. The northern
boundary of this township is
nearly all in the volcano bed
and is almost inaccessible
by man or beast. The rocks
in these lava beds, are a black
basalt, and very much broken
in many places much of it
resembling petrified bark.
All of the creeks and streams
of water in this township are
fresh and pure water.
Duck creek spring is very

large, running not less than 2000 inches of water, is situate in a basin, containing about 1000 acres, and is surrounded by high hills, except at the northeast end where the divide is about 60 feet high.

The water from the spring runs into a crevice between the limestone and basalt about 2 miles from the spring, which could be closed at a small cost. It will make a fine and profitable reservoir.

The water comes out again through large springs on the head of the Sevier River in Sp. 37 S. Range 6 west.

William Lewman
U. S. Deputy Surveyor.

U. S.

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BOOK-A-23

U. S. SURVEYOR GENERAL'S OFFICE,

Salt Lake City, Utah, Feby 1 *1893*

The foregoing field notes of the re *survey of the* East & West survey of the South & North boundaries of *Township No.* 38 South *Range No.* 8 West

Salt Lake Base and Meridian, Utah,

Executed by William Lowman

U. S. Deputy Surveyor,

Under Contract No. 181 *of the* 23rd *day of* September *1891, having been critically examined, the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.*

Ellsworth Daggett

U. S. Surveyor General for Utah.

BO

REPORT:

Filed

Examined by

Transcribed

Compared by

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Township No

Range No.

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BOOK-A-233

REPORT:

Filed September 20th, 1892 and January 4th, 1893.

Examined by [illegible]

Transcribed by Henry T. McAllister

Compared by [illegible]

FIELD NOTES

OF THE SURVEY OF THE

Subdivisions

OF

Township No. 38 South

Range No. 8 West

OF THE

SALT LAKE BASE AND MERIDIAN

IN

UTAH TERRITORY,

AS SURVEYED BY

William Lowman

U. S. Deputy Surveyor,

Under his Contract No. 181

Dated September 23rd 1891.

Survey Commenced June 12th 1892.

Survey Completed June 17th, 1892.

H 10-07-091
L 68-83

NAMES AND DUTIES OF ASSISTANTS.

	Compassman.
Elias Whillington	*Chainman.*
James H. Seeling	*Chainman.*
	Chainman.
	Chainman.
Charles E. Curtis	*Axeman.*
Levi Curtis	*Axeman.*
Stephen Phelton	*Flagman.*

BOOK

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Subdivision Tp. 38 S. R. 8 W.

chs. At the corner to secs. 3. 4. 33 & 34. 8 A.M. June 12 1892.
Var. 15° 12' E.
Mean declination 15° 6' E.
North between secs. 33 and 34
Var. 15° 12' E.
Over bottom through dense brush.

6.00 Ascend abruptly through dense brush

21.00 Top of ridge about 500 ft. above bottom, course N. 82° E. and descend abruptly through dense brush.

29.50 Bottom, 500 ft. below top of ridge. and enter heavy timber, course N. 80° E. & S. 60° W.

35.00 Dry creek bed 20 lks. wide, course N.E and S.W.

38.00 Pine 24 ins. diam. a line tree marked 2 notches N. & S.

40.00 Set a limestone 20 x 10 x 6 ins. 14 ins. in the ground for 1/4 sec. cor. marked 1/4 on W. face, from which
A cottonwood 15 ins. diam. bears N. 82° W. 18 lks. marked 1/4 sec. B. T.

Subdivision T. 38 S. R. 8 W.

chs. A spruce 20 ins. diam. bears S. 48° E. 63 lks. marked 1/4 S. B. T. Raised a mound of earth and stones 3 ft. base and 3 ft. high alongside. Land hilly and level.

Soil, sandy loam 1st & 4th rate.

Timber, pine, cottonwood, fir, spruce quaking asp and cedar (scattering) and in groves, dense brush and undergrowth; oak, cherry, mahogany, currant and quaking asp. 29.50

On account of inacessible mountains I discontinued the survey further north. Springs in sec. 33 not visible from any point on line.

At 10 A. M. at the corner to secs. 4. 5. 32 and 33 I find the magnetic bearing of the meridian established May 31st to be N. 15° 8' W.

North between secs. 32 and 33.

Var. 15° 8' E.

Through willow and cottonwood brush

Subdivision

chs.

5.35 Wagon course

5.60 Ascen dense

7.20 Top o course

8.50 Botton course Up

31.00 Junc Cour Of W Asc brus

40.00 Set o ins. mar Rais earth

54.30 Top cour Desc

78.20 Bott ente

Subdivision T. 38 S. R. 8 W.

chs.

5.35 Wagon road to Longvalley, course N. 70° E. and S. 60° W.

5.60 Ascend point of ridge through dense oak brush

7.20 Top of point, about 50 ft. above bottom course N.E. and descend abruptly.

8.50 Bottom about 40 ft. below top of point course N. 20° E.
Up smooth bottom.

31.00 Junction of two gulches.
Course of east gulch N. E.
Of west gulch N. 35° W.
Ascend abruptly through dense brush

40.00 Set a sandstone 30 X 15 X 10 ins. 20 ins. in the ground, for 1/4 sec. cor. marked 1/4 on W. face.
Raised a mound of stones and earth 3 ft. base, 3 ft. high alongside.

54.30 Top of ridge about 600 ft. above bottom course N. 50° E and S. 50° W.
Descend abruptly through dense brush.

78.20 Bottom about 550 ft. below top of ridge enter scattering timber

Subdivision T. 38 S. R. 8 W.

chs.

80.00 Set a sandstone 24 X 16 X 6 ins. 16 ins. in the ground, for corner to secs. 28. 29. 32 and 33 marked with 1 notch on S. and 4 notches on east edges. from which A pine 24 ins. diam. bears N. 47° E. 120 lks. No more trees within the limits.
Raised a mound of stones and earth 3 ft. base, 2 ft. high alongside
Land, hilly, and level.
Soil, sandy loam 1st and 4th rate.
Timber, pine, fir, spruce, and quaking asp dense brush, oak cherry whortleberry, and sage. 80,00 chs
June 12 1892.

At 7 A. M. June 13th 1892, the Var. is 15° 12' E.
Mean declination 15° 6' E. Run north between secs. 28 and 29.
Var. 15° 12' E.
8.10 Creek 20 lks. wide Course S. 8° W.

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Subdivision T. 38 S. R. 8 W.

chs.

12.18 Leave timber and ascend abruptly through dense brush.

33.60 Top of ridge about 700 ft. above creek. Course S. 50° W. and N. 45° E. Descend along west side of ridge.

40.00 Set a sandstone 24 X 12 X 10 ins. 16 ins. in the ground for 1/4 sec. cor. marked "1/4" on W. face from which An Oak 4 ins. diam. bears N. 1° W. 181 lks. marked 1/4 Sec. B. T. Raised a mound of stones and earth 3 ft. base 3 ft. high alongside.

59.08 A small rivulet of fresh water 4 lks. W. course S. 45° W. about 500 ft. below top of ridge. Ascend abruptly through dense brush.

78.50 Enter quaking asp grove.

80.00 Set a sandstone 20 X 12 X 4 ins. 14 ins. in the ground for cor. to secs. 20. 21. 28 and 29. marked with 2 notches on S. and 4 notches on E. faces. from which a quaking asp 15 inches diam. bear

Subdivision T. 38 S. R. 8 W.

chs. S. 66° W. 27 lks. marked T. 38 S. R. 8 W. S. 29 B. T.
A quaking asp 12 ins. diam. bears S 54° E. 37½ lks. marked T. 38 S. R. 8 W. S. 28 B. T.
A quaking asp 12 ins. diam. bears N. 61° W. 29 lks. marked T. 38 S. R. 8 W. S. 20 B. T.
A quaking asp 8 ins. diam. bears N. 5° E. 12 lks. marked T. 38 S. R. 8 W. S. 21. B. T.
Land, hilly and level.
Soil, sandy loam 1st and 2nd rate.
Timber, scattering pine, fir and quaking asp 13.68 chs.
Dense, oak, cherry, quaking asp, and whortleberry brush 8 chs.

At 1 P. M. the var. has decreased 11' by diurnal change North between secs. 20 and 21.
Var. 15° 1' E.

2.00 Top of hill, about 400 ft. above rivulet, course N. E. and S. W.

Subdivision T. 38 S. R. 8 W.

chs. Descend abruptly and leave timber
4.00 Enter dense oak and quaking asp brush.
12.00 About 300 ft. below top of hill Ascend through fallen timber
33.50 Wagon road course S. 75° W. & N. 40° E.
35.00 Dry wash 10 ft. deep, Course S. 60° W.
40.00 Set a sandstone 20 x 10 x 5 ins. 14 ins. in the ground for 1/4 sec. cor. marked 1/4 on W. face, from which
00
4.00
A spruce 12 ins. diam. bears S. 8° W. 58 lks. marked 1/4 S. B. T.
A pine 20 ins. diam. bears S. 73° E. 73 lks. marked 1/4 S. B. T.
Land, hilly and rolling.
Soil, sandy loam 1st and 4th rate.
Timber, pine, fir, and spruce much of it dead.
Dense, oak, cherry, quaking asp rose, sage, and currant brush.
36.00 chs.
On account of inaccessible mountains, I discontinue the Survey further North.
June 13th 1892

Subdivision T. 38 S. R. 8 W.

chs. 7 A. M. June 14th 1892.
I took an observation of Polaris last night and on the meridian established, examined the adjustments of my Transit this morning and found them perfect.
North between secs. 31 and 32
Var. 15°12' E.

3.00 Enter scattering timber and ascend abruptly through dense und. growth

5.40 Top of point about 100 ft. above bottom. Course N. E.
Descend along west side of point.

15.00 Bottom, about 100 ft. below top of point. Course N. E.

21.20 Creek 10 lks. wide course S. W.

22.00 Wagon road course N. E and S. W.

22.20 Leave scattering timber

22.50 Enter Frank Steven's field, course N. E. and S. W.

28.10 Leave field and ascend abruptly through dense brush. Course N. 60° E and S. 30° W. 25 acres in

Subdivision T. 38 S. R. 8 W.

chs. cultivation.

40.00 Set a sandstone 30 X 12 X 8 ins. 20 ins. in the ground for 1/4 Sec. Cor. marked 1/4 on W. face, from which A pine 30 ins. diam. bears S. 7° E. 128 1/2 lks. marked 1/4 S. B. T. Frank Stevens house bears N. 18° E. Joseph Milletts house bears [illegible] W. Raised a mound of stones 3 ft. base 3 ft. high alongside.

47.40 Top of ridge about 400 ft. above bottom, course N. 10° E. and S. 20° W. Along the west side of ridge near the top, through dense brush.

80.00 Set a sandstone 22 X 10 X 8 ins. 14 ins. in the ground, for cor. to secs. 29. 30. 31 and 32, marked with 1 notch on S. and 5 notches on E. edges, from which a Pine 26 ins. diam. bears N. 10° E. 16 lks. marked T. 38 S. R. 8 W. S. 29 B. T. A pine 28 ins. diam. bears N. 27° W. 101 lks. marked T. 38 S. R. 8 W. S. 30 B. T.

40
5.60

Subdivision T. 38 S. R. 8 W.

chs. A pine 10 ins. diam. bears
S. 10° 30' E. 130 lks. marked T. 38 S.
R. 8 W. S. 32 B. T.
No more trees within the limits
Frank Steven's house bears S. 21° E.
Joseph Millett's house bears S. 30° W.
Raised a mound of stones 3 ft.
base, 3 ft. high alongside
Land, hilly and bottom.
Soil, sandy loam 1st and 2nd rate.
Timber, a few scattering pines
and firs. Dense brush, oak, willow,
birch, currant, and sage on 74.40 chs.

At 11 A. M. at the cor. to secs.
29. 30. 31 and 32 the var. is 15° 18 E.
This change of declination is caus-
-ed by ferruginous sandstone
which is present here.
Mean declination 15° 20' E.
East on a random line between
secs. 29 and 32.
40.00 Set temporary 1/4 Sec. Cor.
79.84 Intersect N. and S. line 14 lks. N.

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Subdivision T. 38 S. R. 8 W.

chs. Thence I run
N 89°54' W. on a true line between
secs. 29 and 32.
5.50 Creek 15 lks. wide. runs S. 78° W.
14.40 Leave bottom and ascend abruptly
through dense brush.
16.50 Top of hill or point about 150 ft. above
bottom. Course N. 40° E.
Descend abruptly
20.50 Leave timber and enter bottom
about 150 ft. below top of point.
Course N. 40° E. Across bottom.
22.50 ascend abruptly through dense brush
24.10 Top of point about 200 ft. above bottom
course N. 25° E.
24.30 Descend abruptly through timber and dense brush
28.50 Bottom leave timber. course N. 10° E.
Across smooth bottom.
35.00 Ascend gradually through dense brush, 6.50 chs
then abruptly.
39.92 Set a sandstone 30 X 10 X 5 ins. 20 ins. in
the ground for 1/4 sec. cor. Marked 1/4
on N. face. ~~Raised a mound of~~
Raised a mound of stones 3 ft. base
3 ft. high alongside. Pits impracticable

Subdivision T. 38 S. R. 8 W.

chs.

58.50 Top of ridge about 600 ft. above bottom. Course S. 50° E. and N. 15° W.

60.00 Descend abruptly into head of park.

63.30 About 200 feet below top of ridge and ascend abruptly.

76.50 Top of ridge about 400 ft. above head of park. Course N. 10° E.

77.80 Descend about 200 feet abruptly

79.72 Ditch. Course S. 1 ch. turns S.E.

79.84 The cor. to secs. 29, 30, 31 and 32.

56.94/32.90

Land, hilly, level, and rolling.

Soil, sandy loam, 1st and 2nd rates.

Timber a few scattering pines 24.70 chs.

Dense, oak, cherry, willow, crab-apple, and huckleberry brush 56.94 chs.

June 13 1892.

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8 A.M. June 15 1892.

At the cor. to secs. 29, 30, 31 & 32.

the var. is 15° 26' E.

Mean declination 15° 20' E.

West on a random line between secs. 30 and 31.

Var. 15° 26' E.

Subdivision T. 38 S. R. 8 W.

chs.

40.00 Set temporary 1/4 sec. cor.

78.79 Intersect west boundary of township at the cor. to secs. 25. 30. 31 and 36.

Thence Prime

East on a true line between secs. 30 & 31.

Descend through dense brush

12.20 Bottom about 400 ft. below sec. cor. Course N and S.

20.00 Wagon road, course N and S.

21.38 Ditch, course N and S.

11.80 Ascend abruptly through dense brush

29.80 Top of ridge about 500 ft. above bottom Course N. and S.

30.00 Descend abruptly through dense brush

37.00 Bottom, south side of park about 500 ft. below top of ridge Course N. 55° W. and S. 70° E.

38.79 Set a sandstone 18 x 10 x 4 ins. 12 ins. in the ground, for 1/4 sec. Cor. marked 1/4 on N. face, from which A pine 28 ins. diam. bears S. 24° E. 131 lks. marked 1/4 sec. B. T. Raised a mound of stones

Subdivision T. 38 S. R. 8 W.

chs. and earth 3 ft. base, 3 ft. high alongside
51.78 Ditch. course S.
54.20 Wagon road, course N. and S.
54.90 North fork Virgin river 20 lks. wide
course S.
62.15 Joseph Millett's field, contains about
5 acres. course S. 20° E. and N.
68.28 East side of field course N & S.
72.00 Ascend abruptly through dense brush
78.79 The cor. to secs. 29. 30. 31 and 32.
Land hilly, rolling and level.
Soil, sandy loam 1st & 2nd rate.
Timber a few scattering pines
and cedars. Dense brush, oak
whortleberry, rose and sage on 72.66 chs.

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2 P. M.
North between secs. 29 and 30.
Var. 15° 15' E.
2.90 Ditch, course S.
3.50 Descend gradually along west side
of ridge through dense brush.
15.50 About 100 ft. below sec. corner brush.
15.75 Ascend gradually along west

Subdivision T. 38 S. R. 8 W.

chs. side of ridge through dense brush
37.80 North fork of Virgin river 15 lks. wide course S. 40° W.
40.00 Set a sandstone 26X10X6 ins. 16 ins. in the ground for 1/4 sec. Cor. marked 1/4 on W. face, from which A pine 24 ins. diam. bears N. 20° E. 76 lks. marked 1/4 S. B. T. Raised a mound of stones 3 ft. base, 3 ft. high alongside. Robert E. Robinson's house bears N. 67° W. Ascend gradually through dense brush.
54.65 Wagon road, course S. 46° W. & N. 65° E.
73.40 Ascend abruptly through dense brush.
80.00 Set a sandstone 24X18X8 ins. 16 ins. in the ground for cor. to secs. 19, 20, 29, and 30, marked with 2 notches on S. and 5 notches on E. edges, from which A pine 30 ins. diam. bears N. 58° W. 270 lks. marked T. 38 S. R. 8 W. S. 19. B. T. Land, rolling and level.

Subdivision T. 38 S. R. 8 W.

chs. Soil, sandy loam 1st & 2nd rate
Timber a few scattering pines & cedars
Dense brush, oak, willow, sage, whortleberry, crab-apple and quaking asp.
76.50 chs. June 15th. 1892.

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7 A. M. June 16th 1892.
East on a random line between Secs. 20 and 29.
Var. 15° 12' E.

40.00 Set temporary 1/4 Sec. cor.
80.12 Intersect N. and S line 10 lks. south of the corner to secs. 20 21. 28 & 29.
Thence Run
S. 89° 56' W. on a true line between secs. 20 and 29.
Ascend about 30 ft. above sec. Cor.
2.00 Descend through dense brush about 15 ft.
13.00 Bottom, about 450 ft. below top of ridge. Course N. E. and S. W.
33.80 Ditch, course N. 53° W.
33.86 Fence along ditch.
33.90 Enter Byron Millett's field. same course as ditch

Subdivision T. 38 S. R. 8 W.

chs.

40.06 Set a sandstone 15 x 10 x 8 ins. 10 ins. in the ground for 1/4 sec. Cor. marked 1/4 on N. face from which a pine 40 ins. diam. bears S. 38° E. 355 lks. marked 1/4 S. B. T. Raised a mound of stones and earth 3 ft. base, 3 ft. high along side Byron Milletts house bears N. 49° W. 8.00 chs.

48.00 Leave field and enter marsh course S. 8° E. and N. 10° W.

54.70 North fork of Virgin river 20 lks. wide, course S. 8° E.

55.10 Wagon road, course N. 45° E & S. 20° W.

60.00 Ascend little round hill.

65.45 Top of hill about 100 ft. high.

66.40 Descend through brush

69.50 Bottom, course N and S.

72.00 Ascend gradually through dense brush. about 100 ft. to Sec. Cor.

80.12 The cor. to secs. 19. 20. 29 and 30.

Land, hilly and bottom

Soil, sandy loam 1st and 2nd rate.

Timber, a few scattering pines

Subdivision T. 38 S. R. 8 W.

chs. and firs. Brush, dense oak willow, currant, and quaking asp on 66.02 chs.

June 16th 1892.

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3 P.M.

West on a random line between Secs. 19 and 30.

Var. 15° 2' E.

40.00 Set temporary 1/4 sec. cor.

78.69 Intersect West boundary of township 18 lks. S. of the cor. to secs. 19, 24, 25 and 30.

Thence I run

S. 89° 52' E. between Secs. 19 and 30.

Var. 15° 5' E.

Ascend abruptly through dense brush.

8.20 Plateau, about 700 ft. above sec. cor. course, S. 20° E.

13.40 About 30 ft. above margin of Plateau and descend abruptly through dense brush.

[illegible].69 Set a sandstone 18X10X6 ins.

[illegible] T. 3 S. 2. 8 W.

Chain 12 ins. in the ground for 1/4 sec. cor. [illegible] 1/4 [illegible] face raised [illegible] of stones & earth 3 ft. base 3 feet high alongside. [illegible]

[illegible] Cor. [illegible]

49.23 Bottom [illegible] S. 5° E.

50.73 Creek [illegible] wide. Course S. 5° W.

51.00 Wet bottom

57.29 Levi Curtis house bears N. 30° E. 12.50 chs.

Robert E. Robinson's house bears S. 55° W.

60.23 [illegible] Wet bottom.

61.16 West side Levi Curtis field course N. and South. Contains about 3 acres

63.20 East side of field course S. 20° E. South

63.50 Ascend abruptly through dense brush

74.20 Top of ridge about 250 ft. above bottom

Course N. and S. descend abruptly 100 ft. to cor.

78.69 The cor. to secs. 19, 20, 29 and 30

Land, hilly, rolling and level.

Soil, sandy loam 1st and 2nd rate.

Timber, scattering pine, fir, cedar and quaking asp.

Dense brush, oak, quaking asp. and willow on 76.09 chs.

June 16th, 1892

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Subdivision T. 38 S. R. 8 W.

Chains 7 A. M. June 17th, 1892.
N. 3 th between secs. 19 and 20.
Var. 16° 12' E.
Ascend abruptly through dense brush
6.50 Top of ridge about 100 ft. above sec. cor.
Course N. 20° E and S. 30° W.
Descend abruptly
24.00 Bottom, about 250 ft. below top of ridge Course N. 25 E
28.50 Ascend gradually.
36.50 Scattering timber.
40.00 Set a sandstone 30 X 16 X 6 ins. 20 ins. in the ground for 1/4 sec. cor. marked 1/4 on W. face from which
a pine 20 ins. diam. bears S. 48° W. 44 lks
marked 1/4 sec. B. T. Raised a mound of stones and earth 3 ft. base, 3 ft. high alongside
49.00 Ascend abruptly through dense brush
80.00 Set a sandstone 36 X 20 X 8 ins.
20" in the ground for cor. to secs. 17, 18, 19 and 20 marked with 3 notches south and 5 notches on east edges.

Subdivision, T. 38 S. R. 8 W.

chs. from which
A spruce 8 ins. diam. bears
N. 81° W. 82 lks. marked T. 38 S.
R. 8 W. S. 18 B. T.
A quaking asp 6 ins. diam. bears
S. 54° E. 76½ lks. marked T. 38 S.
R. 8 W. S. 20 B. T.
Raised a mound of stones and
earth 3 ft. base, 3 ft. high alongside.
Land hilly and level.
Soil, sandy loam 1st and 3rd rate.
Timber, pine, spruce, fir, and qua-
king asp very scattering. Dense
brush, oak, willow, and quaking
asp on 80. chs.

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1 P. M.
West on a random line between
Secs. 18 and 19.
Var. 15° 1' E.
40.00 Set temporary 1/4 sec. cor.
78.48 Intersect W. boundary of T. at
cor. to Secs. 13. 18. 19 and 24.
Thence I run

Subdivision, T. 38 S. R. 8 W.

chs. East on a true line between secs. 18 and 19, through timber.

14.80 Spring branch 3 lks. wide course S. E. Dense willow brush and fallen timber

19.58 Spring branch 5 lks. wide, course S. 35° E. Land wet and swampy.

31.42 Leave wet land and ascend abruptly through dense brush. Leave timber.

36.50 Top of ridge about 300 ft. above bottom, Course N. 40° E. & S. Descend

38.42 Set a sandstone 15 x 10 x 5 ins. 10 ins. in the ground for 1/4 sec. cor. marked 1/4 on N. face. from which.
A post oak 8 ins. diam. bears S. 5° 30' W. 192 lks. marked 1/4 Sec. B. T. No other trees within the limits. Raised a mound of stones & earth 3 ft. base, 2 ft. high alongside.

44.92 Bottom, and enter timber, about 400 ft. below top of ridge, course S. W.

45.78 A pine 24 ins. diam. in the line

Subdivision. T. 38 S. R. 8 W.

chs. 2 notches E. and W.
69.40 Ascend abruptly through pine timber and dense brush.
71.50 Leave timber.
73.50 Top of ridge, about 450 ft. above bottom, course S. & N. 20° E.
78.48 The cor. to secs. 17. 18. 19 and 20
Land, level bottom and hilly.
Soil, sandy and clay loam 1st and 2nd rate.
Timber, pine, fir, spruce and quaking asp. 5800 chs. Dense undergrowth same, with oak, and in bottom willows on 78.48 chains

June 17th 1892.

Note On account of inaccessible mountains I abandon further survey of this township.

General Description.
Duck Lake lies nearly east and west between two hills, which rise abruptly from its north and south shores, to the height of about 600 ft. Their sides facing the lake are covered with timber. The

land at the east end of the lake rises gradually about 75 feet. The lake extends about one mile west of the line of the township and curves to the southward. Three or four springs at the west end of the lake keep up the water supply. The land on the north end of the township is nearly all a lava bed, and of no value for grazing or anything else. The small parks and valleys are so walled in that they are not accessible. The land east of the breaks is principally timbered plateau, but the climate is too cold for cultivation. That portion south of the cliffs is high hills and narrow valleys. The timber is mostly pine and valuable for lumber. The brush is very dense over all the hills and in the valleys and parks

There are no indications of minerals, coal, salines or valuable deposits of any kind except marble of which there are indications in many places in the east-ern part of the township. The township has very little agricultural land. Tp. 39 s. R. 9 w. has some agricultural land along the North fork of the Virgin river. The township west has several farms of agricultural land. The township north is worthless for agricultural purposes The township south has a very small amount of good agricultural land in the northwest corner. All the townships named are very broken and covered with a dense growth of brush. Mostly oak, quak-ing asp and maple, and

the small wild fruits, viz. currants, cherrys, whortleberries, etc. I will say for the information of the land department, that there is a large amount of excellent pine and fir for lumber, on that portion of the township east and north of the breaks or rim of the Basin, and there are other localities where the timber is nearly all dead and down, viz. the north part of section 35. the northwest part of section 36, much in sections 25 and 26, also a portion of sections 13. 14. 23 and 24.

William Leuman
U. S. Dep. Surveyor.

[4—LIST OF NAMES.]

A list of the names of the individuals employed by William Lowman *United States deputy surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the survey of* the Guide Meridian; the East, South & North boundaries and the Subdivisions of township 3 South, range 8 west

of the Salt Lake base and meridian in the Territory of Utah, showing the respective capacities in which they acted.

Stephen Paxton, ~~Chainman~~ Flagman.
Elias Wittington, Chainman.
Jesse H. Carling, Chainman.
George Mollet, Chainman.
William Lowman, Chainman.
Charles E. Curtis, Axeman.
Levi Curtis, Axeman.
Franklin Stevens, Flagman.

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[5.—FINAL OATHS OF ASSISTANTS.]

We hereby certify that we assisted William Lorman, United States Deputy Surveyor, in surveying all those parts or portions of the Guide Meridian; the East South & North boundaries and the Subdivisions of township 38 South, range 8 west of the Salt Lake base and meridian in the Territory of Utah, as are represented in the foregoing field notes as having been surveyed by him and under his direction; and that said survey has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the corner monuments established according to the instructions furnished by the United States Surveyor-General for Utah.

[illegible] Flagman
[illegible], Chainman.
John H. Larkin, Chainman.
[illegible], Chainman.
William Lorman, Chainman.
[illegible], Axeman.
[illegible], Axeman
[illegible] Stowers, Flagman

Subscribed and sworn to before me this 25th day of June 1892

John H. Chidester
Notary Public

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(6.—FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.)

I, William Lowman United States deputy surveyor, do solemnly swear that in pursuance of instructions received from Ellsworth Daggett United States surveyor-general for Utah, bearing date of the 23rd day of Septemb. 1891, I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the United States surveyor-general for Utah, the surveying manual and the laws of the United States, surveyed all those parts or portions of the Guide Meridian, the East, South and North boundaries and the Subdivisions of Township 38 South, Range 8 West

of Sult Lake base and meridian in the Territory of Utah, as are represented in the foregoing field notes as having been surveyed by me and under my directions; and I do further solemnly swear, that all the corners of said survey have been established and perpetuated in strict accordance with the surveying manual, printed instructions, the special written instructions of the United States surveyor-general for Utah, and in the specific man-

ner described in the field notes, and that the foregoing are the **TRUE** *field notes of such survey; and, should any fraud be detected, I will suffer the penalty of perjury, under the provisions of an act of Congress, approved August 8, 1846.*

Wm. Lemmon

United States Deputy Surveyor.

Subscribed and sworn to before me this 28th *day of* December *1892*

George Hodds

County Clerk

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h survey;
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visions of
, 1846.

Surveyor.
28th

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U. S. SURVEYOR GENERAL'S OFFICE,

Salt Lake City, Utah, July 1st *1893*

The foregoing field notes of the survey of the Subdivisions

Township No. 38 South *Range No.* 8 West

Salt Lake Base and Meridian, Utah,

Executed by William Lowman

U. S. Deputy Surveyor,

Under Contract No. 181 *of the* 23rd

day of September *1891, having been critically examined, the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.*

Ellsworth Daggett

U. S. Surveyor General for Utah.