Volume

# #

R0240

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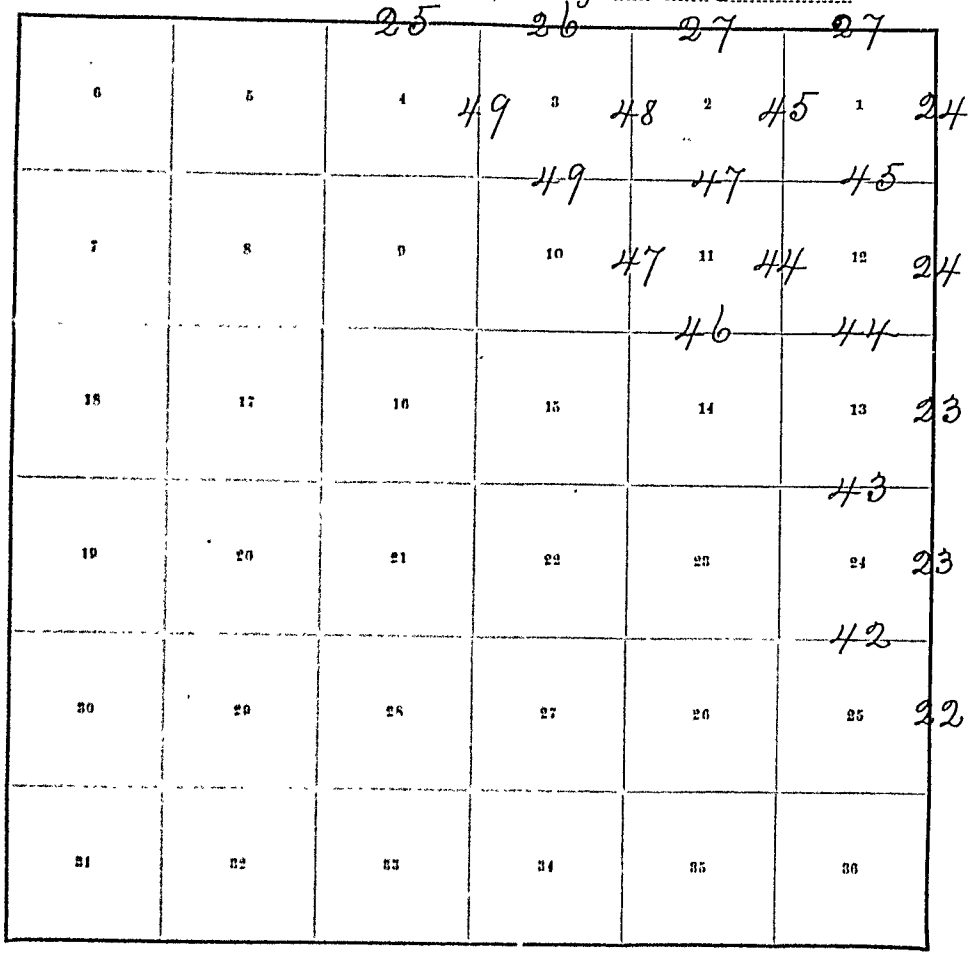
BOOK A-240

INDEX DIAGRAM.

Township 13 S., Range 2 E.



Meanders Page.....

Preliminary Oaths of Assistants.

We, _____ and _____
do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level t
chain upon even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; t
we will report the true distances to all notable objects, and the true lengths of all lines that we assist
measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey
_____

_____, *Chainm*

_____, *Chainm*

Subscribed and sworn to before me this _____
day of _____, 189

SEAL

We, _____ and _____
do solemnly swear that we will well and truly perform the duties of moundmen in the establishment
corners, according to the instructions given us, to the best of our skill and ability, in the survey of
_____

_____, *Moundma*

_____, *Moundma*

Subscribed and sworn to before me this _____
day of _____, 189

SEAL

We, _____ and _____
do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corn
and other duties, according to instructions given us, to the best of our skill and ability, in the survey
_____

_____, *Axma*

_____, *Axma*

Subscribed and sworn to before me this _____
day of _____, 189

SEAL

I, _____, do solemnly swear that I will well and tr
perform the duties of flagman according to instructions given me, to the best of my skill and ability, in t
survey of _____

_____, *Flagma*

Subscribed and sworn to before me this _____
day of _____, 189

SEAL

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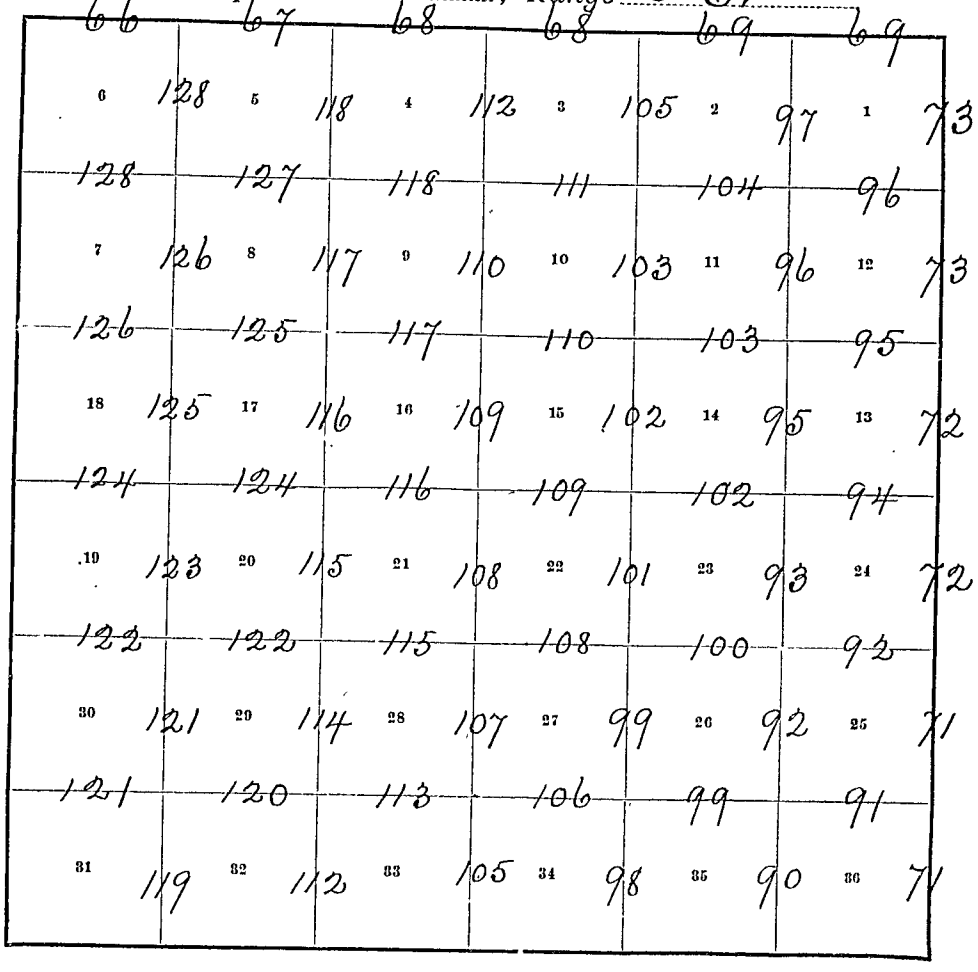
INDEX DIAGRAM.

Township 13 S., Range 3 E.



Meanders Page.....

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we will report the true distances to all notable objects, and the true lengths of all lines that we assis
measuring, to the best of our skill and ability, and in accordance with instructions given us, in the surve

_____

_____, *Chai*

_____, *Chainm*

Subscribed and sworn to before me this _____
day of _____, 189

_____

SEAL

_____

WE, _____ and _____
do solemnly swear that we will well and truly perform the duties of moundmen in the establishmen
corners, according to the instructions given us, to the best of our skill and ability, in the survey of

_____

_____, *Mound*

_____, *Moundm*

Subscribed and sworn to before me this _____
day of _____, 189

_____

SEAL

_____

WE, _____ and _____
do solemnly swear that we will well and truly perform the duties of axmen in the establishment of co
and other duties, according to instructions given us, to the best of our skill and ability, in the surve

_____

_____, *Axm*

_____, *Axm*

Subscribed and sworn to before me this _____
day of _____, 189

_____

SEAL

_____

I, _____, do solemnly swear that I will well and
perform the duties of flagman according to instructions given me, to the best of my skill and ability, in
survey of _____

_____, *Flagm*

Subscribed and sworn to before me this _____
day of _____, 189

_____

SEAL

_____

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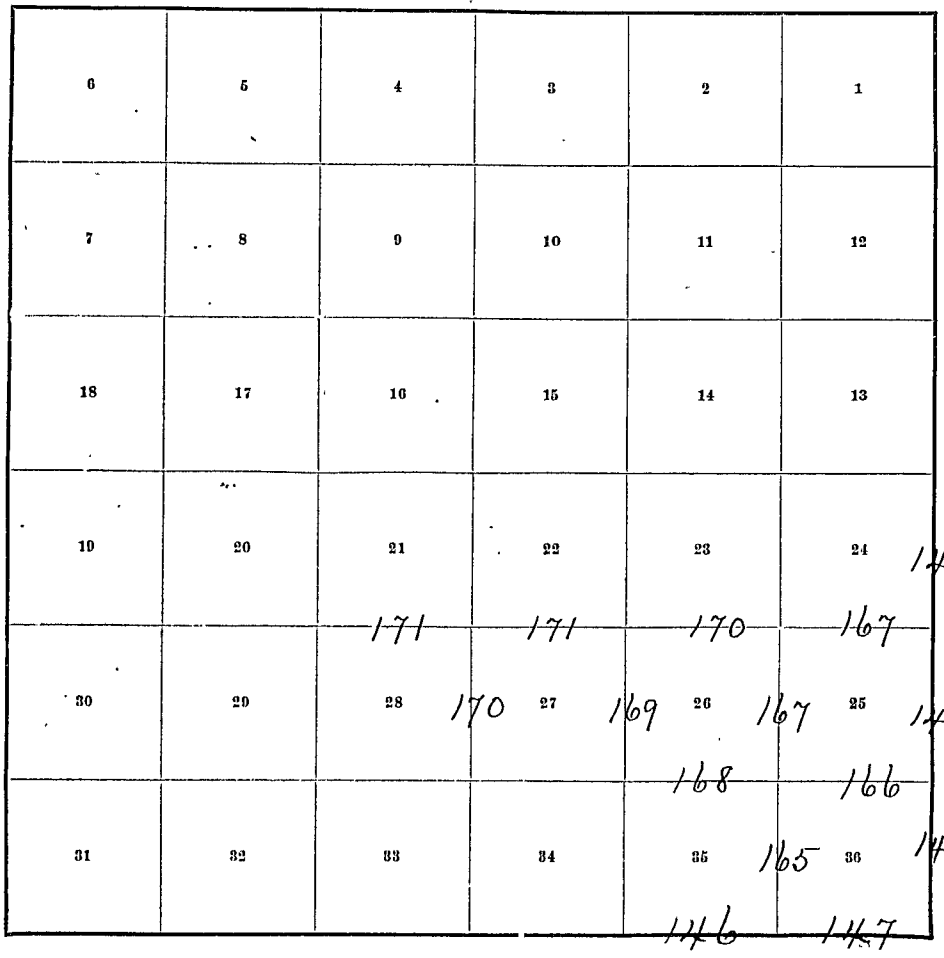
INDEX DIAGRAM.

Township 12 S, *Range* 1 E.



Meanders Page.....

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do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain upon even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths 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

_____

_____, *Chainman.*

_____, *Chainman.*

Subscribed and sworn to before me this _____
day of _____, 189

SEAL

_____

WE, _____ and _____
do solemnly swear that we will well and truly perform the duties of moundmen in the establishment o
corners, according to the instructions given us, to the best of our skill and ability, in the survey of _____

_____

_____, *Moundman*

_____, *Moundma*

Subscribed and sworn to before me this _____
day of _____, 189

SEAL

_____

WE, _____ and _____
do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corne
and other duties, according to instructions given us, to the best of our skill and ability, in the survey

_____

_____, *Axma*

_____, *Axma*

Subscribed and sworn to before me this _____
day of _____, 189

SEAL

_____

I, _____, do solemnly swear that I will well and t
perform the duties of flagman according to instructions given me, to the best of my skill and ability, in t
survey of _____

_____, *Flagm*

Subscribed and sworn to before me this _____
day of _____, 189

SEAL

_____

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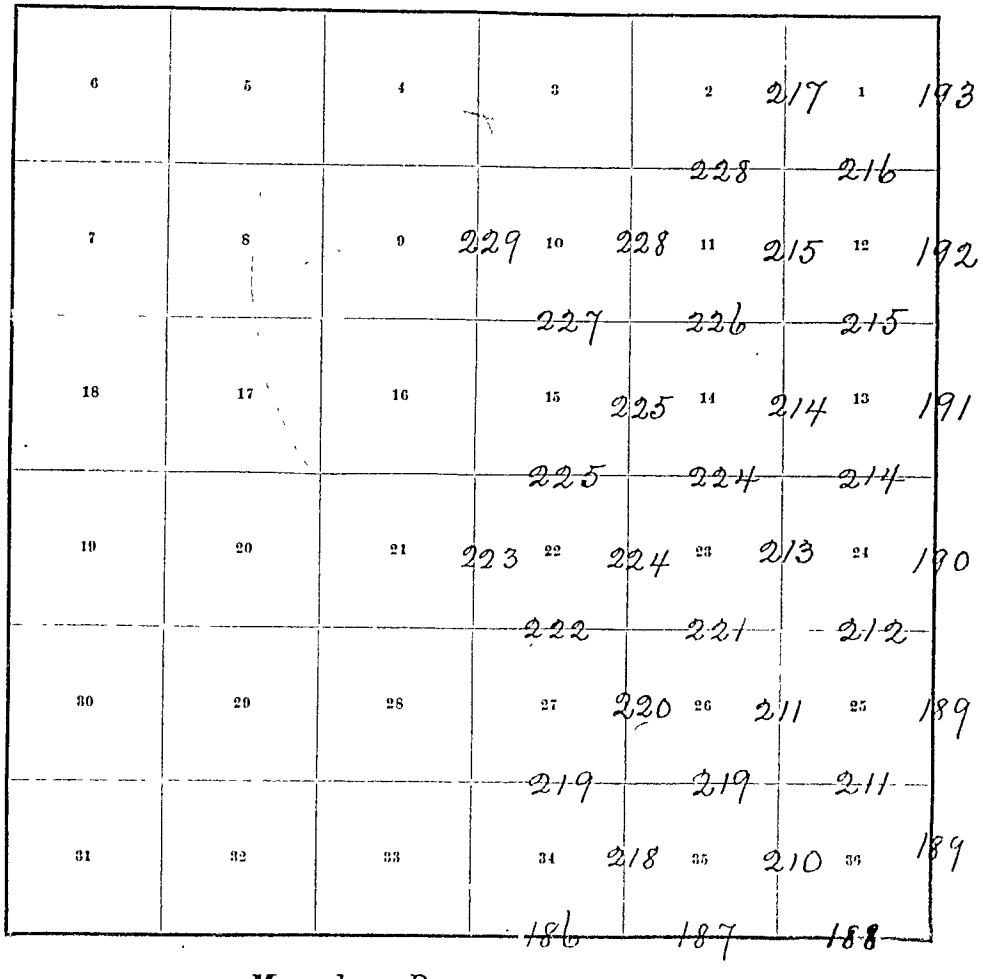
Township 6 S , *Range* 3 E.



Meanders Page .....

Preliminary Oaths of Assistants.

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_____, *Chainman.*

_____, *Chainman.*

Subscribed and sworn to before me this _____ day of _____, 189

SEAL

_____

_____

WE, _____ and _____ do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey of _____

_____, *Moundman.*

_____, *Moundman.*

Subscribed and sworn to before me this _____ day of _____, 189

SEAL

_____

_____

WE, _____ and _____ do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey of _____

_____, *Axman.*

_____, *Axman.*

Subscribed and sworn to before me this _____ day of _____, 189

SEAL

_____

_____

I, _____, do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of _____

_____, *Flagman.*

Subscribed and sworn to before me this _____ day of _____, 189

SEAL

_____

_____

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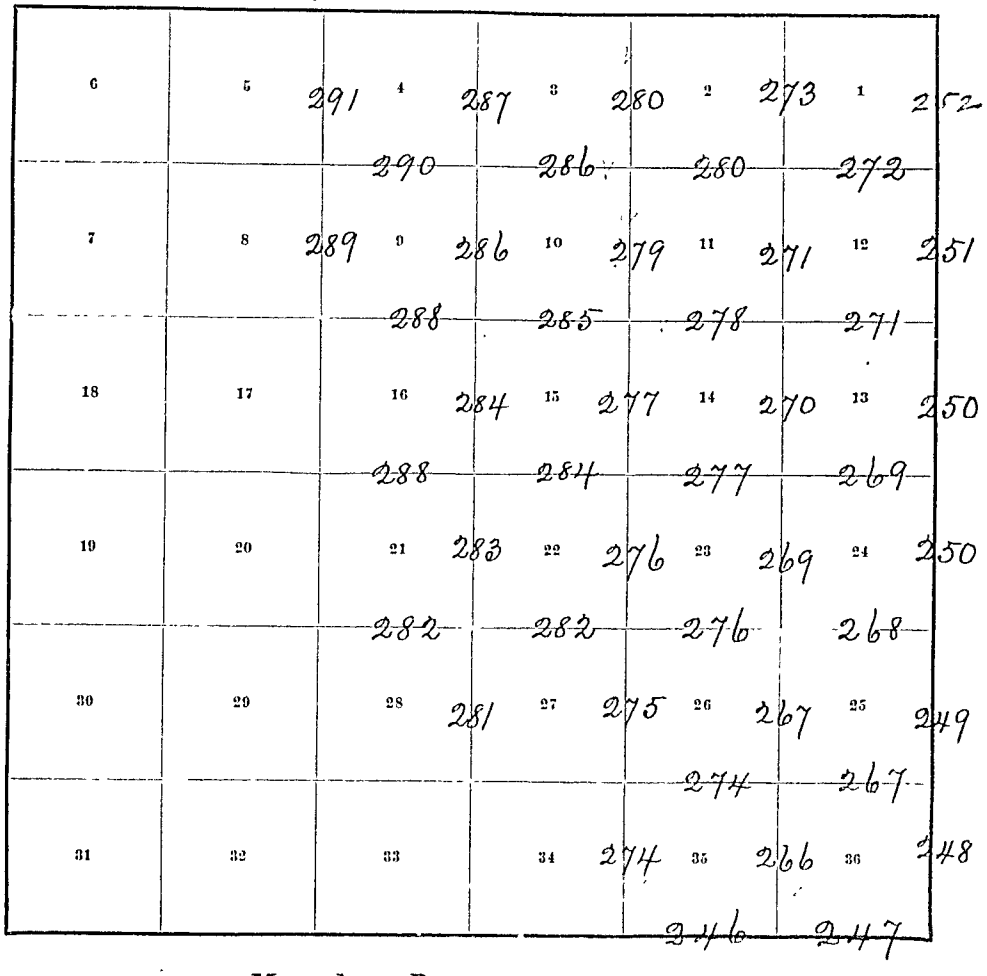
INDEX DIAGRAM.

Township 7 S, *Range* 3 E.



Meanders Page

Preliminary Oaths of Assistants.

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_____, *Chainman.*

_____, *Chainman.*

Subscribed and sworn to before me this _____ day of _____, 189

SEAL

_____

_____

We, _____ and _____ do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey of _____

_____, *Moundman.*

_____, *Moundman.*

Subscribed and sworn to before me this _____ day of _____, 189

SEAL

_____

_____

We, _____ and _____ do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey of _____

_____, *Axman.*

_____, *Axman.*

Subscribed and sworn to before me this _____ day of _____, 189

SEAL

_____

_____

I, _____, do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of _____

_____, *Flagman.*

Subscribed and sworn to before me this _____ day of _____, 189

SEAL

_____

_____

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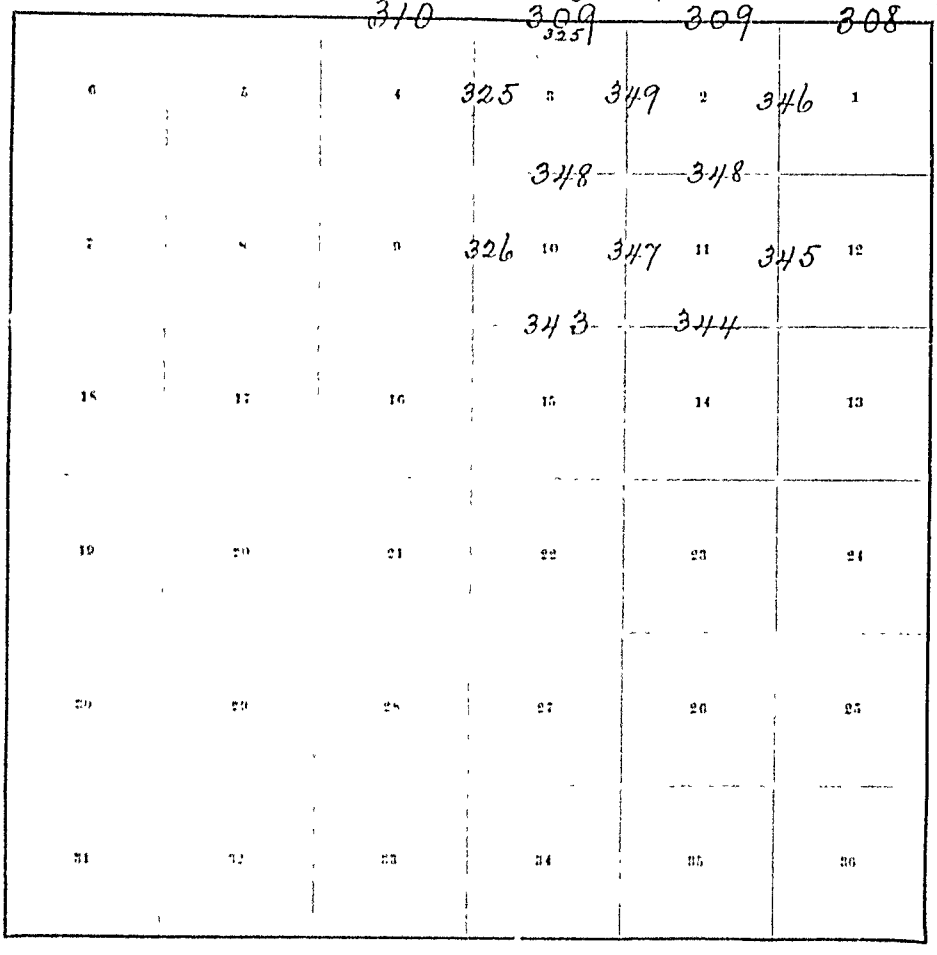
INDEX DIAGRAM.

Township 10 S. , *Range* 4 E.



Meanders Page

Preliminary Oaths of Assistants.

WE, _____ and _____ do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain upon even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths 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

_____

_____, *Chainman.*

_____, *Chainman.*

Subscribed and sworn to before me this _____ day of _____, 189

SEAL

_____

_____

WE, _____ and _____ do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey of _____

_____

_____, *Moundman.*

_____, *Moundman.*

Subscribed and sworn to before me this _____ day of _____, 189

SEAL

_____

_____

WE, _____ and _____ do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey of

_____

_____, *Axman.*

_____, *Axman.*

Subscribed and sworn to before me this _____ day of _____, 189

SEAL

_____

_____

I, _____, do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of _____

_____, *Flagman.*

Subscribed and sworn to before me this _____ day of _____, 189

SEAL

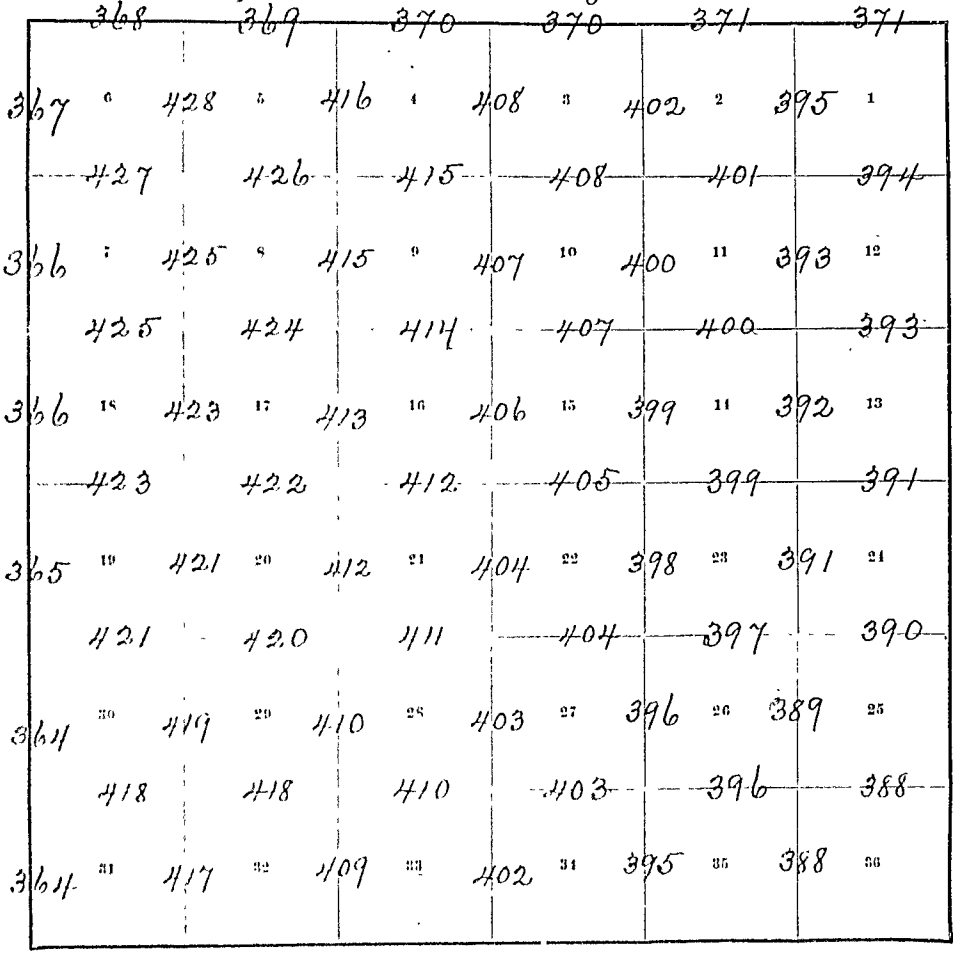
_____

_____

BOOK A-240

INDEX DIAGRAM.

Township 12 S. , *Range* 3 E.



Meanders Page.....

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Preliminary Oaths of Assistants.

We, _____ and _____ do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain upon even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths 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 _____

_____, *Chainman.*

_____, *Chainman.*

Subscribed and sworn to before me this _____ day of _____, 189

SEAL

_____

_____

We, _____ and _____ do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey of _____

_____, *Moundman.*

_____, *Moundman.*

Subscribed and sworn to before me this _____ day of _____, 189

SEAL

_____

_____

We, _____ and _____ do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey of _____

_____, *Axman.*

_____, *Axman.*

Subscribed and sworn to before me this _____ day of _____, 189

SEAL

_____

_____

I, _____, do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of _____

_____, *Flagman.*

Subscribed and sworn to before me this _____ day of _____, 189

SEAL

_____

_____

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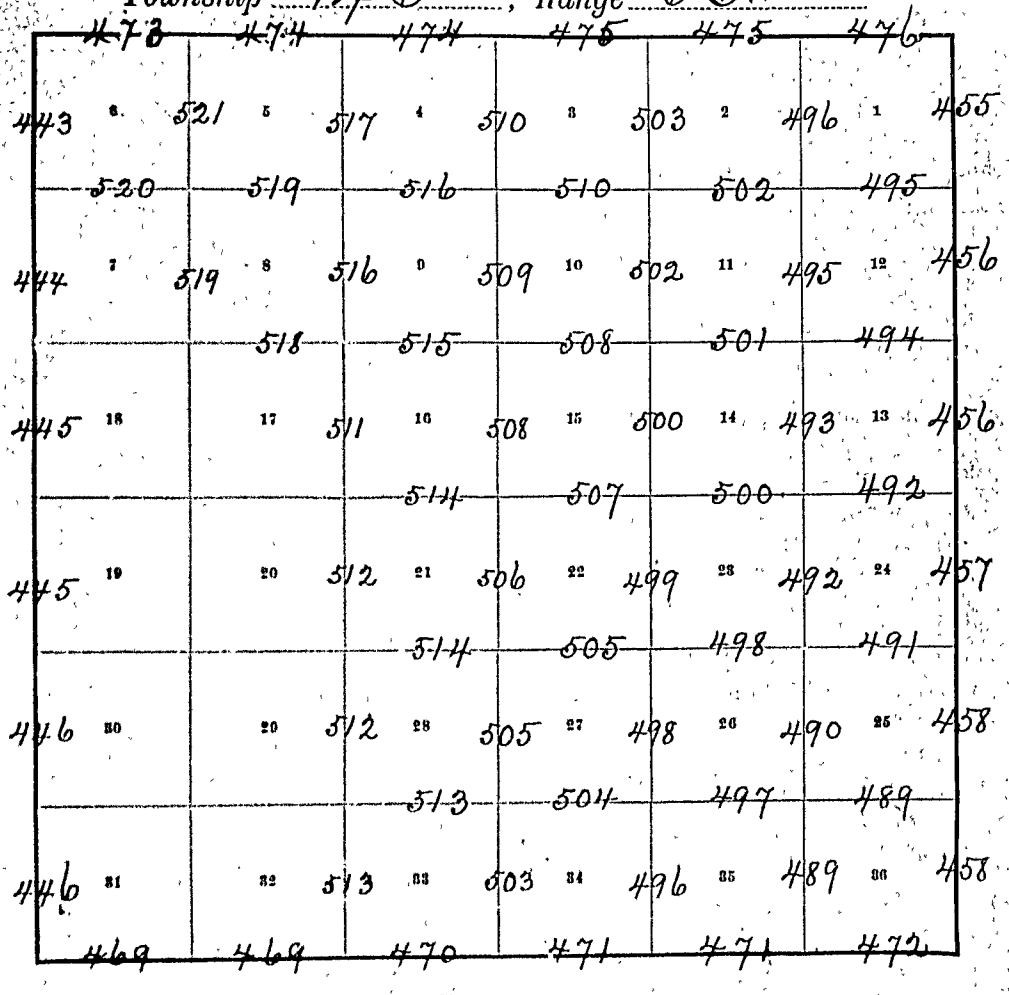
INDEX DIAGRAM.

Township 14 S, Range 3 E.



Meanders Page.....

Preliminary Oaths of Assistants.

We, _____ and _____ do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain upon even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths 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 _____

_____, *Chainman.*

_____, *Chainman.*

Subscribed and sworn to before me this _____ day of _____, 189

SEAL

_____

_____

We, _____ and _____ do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey of _____

_____, *Moundman.*

_____, *Moundman.*

Subscribed and sworn to before me this _____ day of _____, 189

SEAL

_____

_____

We, _____ and _____ do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey of _____

_____, *Axman.*

_____, *Axman.*

Subscribed and sworn to before me this _____ day of _____, 189

SEAL

_____

_____

I, _____, do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of _____

_____, *Flagman.*

Subscribed and sworn to before me this _____ day of _____, 189

SEAL

_____

_____

(4—679.)

BOOK A-240

FIELD NOTES

OF THE SURVEY OF

The North and East boundaries of T. 13 S. R. 2 E.

Of the Salt Lake Meridian,

Territory of Utah

AS SURVEYED BY

Henry Fitzhugh and Nicholas Fitzhugh, U. S. Deputy Surveyors

Under their Contract No. 200, dated March 5th 1895.

Survey commenced July 1st, 1895.

Survey completed " 3rd, 1895.

The West and North the true Meridian

BOOK A-240

Names and Duties of Assistants.

Cyrus H. Brown	Chairman
Frederick Bischoff	"
James P. Anderson	Axeman
James W. Anderson	"

BOOK A-240

INDEX DIAGRAM.

Township 13 S. *Range* 2 E.

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19	20	21	22	23	24	23
30	29	28	27	26	25	12
31	32	33	34	35	36	

Meanders Page

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[illegible]

Preliminary Oaths of Assistants.

We, Cyrus H. Brown and Fredrick Bischoff

do solemnly swear that we will well and faithfully execute the duties of chain carriers; that we will level the chain over even and uneven ground, and plumb the tally-pins either by sticking or dropping the same; that we will report the true distance to all notable objects, and the true lengths 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 North and East boundaries of Tp. 13 S R. 2 E.

Cyrus H Brown, Chainman.
Fredrick Bischoff, Chainman.
_____, Chainman.
_____, Chainman.

Subscribed and sworn to before me this 17th day of July, 1895.

Russ R. Lewellyn
Notary Public
commission expires march 21st 1896

We, James P Anderson and James K Anderson

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 North and East boundaries of Tp. 13 S R 2 E.

Subscribed and sworn to before me this 17th day of July, 1895

James P Anderson, Axeman.
James K. Anderson, Axeman.

Russ R. Lewellyn
Notary Public

my commission expires march 21st 1896

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East Boundary of T. 13 S. R. 2 E.

Chains. Survey commenced July 1st 1895 with a W & L. E Gurley light mountain solar transit - The horizontal limb is provided with two double verniers placed opposite to each other reading to single minutes of arc, which is also the least reading of the verniers of the latitude and declination arcs.
The instrument was examined and tested on the true meridian at Salt Lake City and was approved by the Surveyor General of Utah. October 16th 1894
I examine the adjustments of the transit and correct the level and collimation errors.
Then to test the solar apparatus by comparing its indications, resulting from solar observations made during A.M. and P.M. hours with a true meridian determined by observation on Polaris, I proceed as follows.
July 1st at the 1/4 Sec. Cor. between Secs. 25 & 30, Tps. 13 S. Rs. 2 & 3 E. latitude 39°40' N., longitude 111°40' W. at 3 h. p.m. L.m.t. I set 39°40' N. on lat. arc. and 23°6' N. on the declination arc. and determine with the solar a true meridian, and mark a point thereof on a hub - set firmly in the ground 4.50 chs. N. of the Cor. at 0h 49m A.M. L.m.t. I observe Polaris at eastern elongation in accordance with Manual of Instructions and mark a point on the line thus determined on a peg driven in the ground 4.50 chs. N. of my station

July 2nd at 7h A.M. L.m.t. I lay off the azimouth of Polaris 1°37' to the West and mark the true meridian

East boundary T. 13 S. R. 2 E.

Chains	
	thus determined by cutting a small groove in the plug set July 1st on which the true meridian falls 0.3 ins. east of the mark determined by the solar
	at 7h 20m a.m. L. M. t. I set off 39°40' on the lat. arc; 23°-3' on the declination arc; and mark a point on the plug already set for the true meridian
	This mark falls 0.2 ins. west of the true meridian established by Polaris observations
	The solar apparatus, by p.m. and a.m. observations, defines positions for the true meridians as above indicated, I therefore conclude the adjustments of the instrument are satisfactory.
	The magnetic bearing of the true meridian at 7.30 a.m. is N. 16°30' W. the angle thus determined reduced by the table, page 100 gives the mean magnetic decl. 16°24' E.
	I begin at the 1/4 Sec. Cor. between Secs. 25 & 30 Tps. 13 S. Rs. 2 & 3 E. which is a volcanic rock 6×8×8 ins above ground, marked 1/4 on W. face and mound of stone.
	Thence I run
	North bet Secs. 25 & 30 - over flat and dense sage brush undergrowth.
50.00	Enter Mountains bear N.W. & S.E.
61.00	Ridge bears N.E. & S.W.
80.00	Set a volcanic rock 24×12×12 ins. 18 ins. in in the ground for corner to Secs. 19, 24, 25 and 30, marked with 2 notches on S. and 4 on N. edges, and raised a mound of stone 2 ft. base 1 1/2 ft. high W. of Cor. Pits impracticable
	Land Mountainous and rolling
	Soil 2nd rate - Sandy and gravel.
	Sage brush
	Mountainous on 30.00 Chs.

East boundary T. 13 S. R. 2 E.

Chains	
	Dense sage brush and undergrowth on 10.00 Chs.
	North, Int. Secs. 19 & 24
0.50	Road bears N.E. & S.W.
21.50	Ridge bears N.E. & S.W.
	Road bears N.W. & S.E.
40.00	Set volcanic stone 18×12×10 ins; 12 ins in the ground for 1/4 Sec. Cor. Marked 1/4 on W. face and raised a mound of stone 2 ft. high 2 ft. base W. of Cor. Pits impracticable.
50.50	Previous road bears N.E. & S.W.
53.75	Deep wash in Salisbury Hollow drains S.W.
66.25	Road bears S.W. & N.E.
80.00	Set volcanic rock 18×8×8 ins - 12 ins in the ground for Cor. to Secs. 13, 18, 19 and 24, Marked with 3 notches on N & S. edges, and raised a mound of stone 2 ft. base 1½ ft. high W. of Cor. Pits impracticable Land Mountainous Soil, gravel and rock Sage brush. Land Mountainous on 80.00 Chs.
	North, Int. Secs. 13 & 18
15.50	Gulch drains S.E.
24.00	Spur ridge bears S.W. and N.E.
30.00	Previous gulch drains S.W.
40.00	Set volcanic stone 17×11×6 ins. 12 ins in the ground for 1/4 Sec. Cor. Marked 1/4 on W. face, and raised a mound of stone 2 ft. base, 1½ ft. high. W. of Cor. Pits impracticable
50.75	Ridge about 700 ft. above mile Corner bears N.E. and S.W.
80.00	Set limestone 20×20×12 ins - 15 ins in the ground for Cor. to Secs. 7, 12, 13 and 18

East Boundary T. 13 S. R. 2 E.

Chains	Made "4 notches on S. and 2 N. on N. edges; and raised a mound of Stone 2 ft. base 1½ ft. high W. of Cor. Pits impracticable Land Mountainous Soil, gravel and rock; 4th rate. Oak and Sage brush. Land Mountainous on 8000 lks.
	July 2. 1895 at 12 h. P.M. I observed the sun. The Lat. is 39°42' N.
	North, bet. Secs. 7 & 12
4.00	Water Hollow. Runs 4 lks. wide - 2 ins. deep. Flows S.W.
5.00	Road bears N.E. & S.W.
40.00	Set granitite Stone 18×10×8 ins - 12 ins. in the ground for 1/4 Sec. Cor., marked 1/4 on W. face; and raised a Mound of Stone 2 ft. base 1½ ft. high W. of Cor. Pits impracticable.
41.00	Ridge about 250 ft. above Water Hollow bears bears N.E. & S.W.
47.00	Head of gulch draining N.E.
55.00	Ridge bears N.W. & S.E.
60.00	Gulch drains S.E.
73.00	Ridge bears N.W. & S.E.
80.00	Set Limestone 24×7×6 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; and raised a Mound of Stone 2 ft. base 1½ ft. high W. of Cor. Land Mountainous Soil 4th rate rocky Oak brush. Land Mountainous on 8000 lks.
	North, bet. Secs. 1 & 6.
6.50	Ridge bears N.W. and S.E.
12.00	Head of gulch draining S.E.
40.00	On W. edge of road bears N.W. and S.W. Set granitite Stone 20×12×7 ins - 15 ins. in the ground 1/4 Sec. Cor. marked

North boundary T. 13 S. R. 2 E.

Chains	
	1/4 cor. N. face; and raised a mound of stone 2 ft. base 1½ ft. high W. of Cor. Pits impracticable
80.00	Set temporary Cor. (see instructions) and Mountainous Soil, rocky and gravelly, 3d and 4th rate. Open oak underbrush. Land mountainous on 80.00 chs. July 2nd 1895

July 3: at 8h 5m A.M. I. m. t. I set off. 39°45' N. on the lat. arc; 22°58' on the decl. arc; and determine a true meridian with the solar at the Temporary Cor. to Tps. 12 + 13 S. Rs. 2 and 3 E.

Thence I run

West on a random line along N. Bdy. of T. 13 S. R. 2 E. setting temporary 1/4 Sec. and Sec. Cors. at intervals of 40.00 chs.; and at a distance of 3 miles I make diligent search for the established Cor. to Secs. 3, 4, 33 & 34 but am unable to find it. I continue the line to the 1/4 Sec. Cor. bet. Secs. 4 & 33 T. 13 S. R. 2 E., which at a distance of 250.00 chs. I intersect 1.63 chs. N. This Cor. is a sandstone 8 x 10 x 6 ins. above ground, marked 1/4 on N. face, and a mound of stone alongside.

The following azimuths to a correction of 0°20' or 46½ chs. S. per mile counting from the the temp. N.E. Cor. of the Tp.

Thence I run

N. 89°40' E. bet. Secs. 4 & 33

On resurvey line

53.75	Gulch drains S.
59.00	Ridge trails N. and S.
65.00	Gulch drains S.E.
77.80	Ridge trails N.W. & S.E.
80.00	After diligent search. No trace of

26

North boundary T. 13 S. R. 2 E.

Chains Set Sandstone 20 x 12 x 8 ins. 15 ins. in the ground for Cor. to Secs. 3, 4, 33 & 34 marked with 3 notches on E & W. edges, and raised a mound of stone 2 ft. base 1½ ft. high on N. of Cor.

Note 1 Cor. notes Pg 29

Pits impracticable.

Land Mountainous

Soil, rocky; 4th rate

Some scattering cedars and oak brush.

Land Mountainous on 40.00 chs.

July 3. at 12h noon L.M.S. I observe the sun, the lat. is 39°43' N.

N. 89° 40' E. bet. Secs. 3 & 34.

10.00 Gulch drains S.E.

14.00 Ridge bears S.W. and N.E.

17.00 Gulch drains S.W.

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

23.00 Enter cedar timber

32.00 Leave cedar timber - Ridge bears N.W. and S.E.

40.00 Set sandstone 14 x 10 x 5 ins. 10 ins. in the ground for ¼ sec. Cor. marked ¼ on N. face; and raised a mound of stone 2 ft. base 1½ ft. high N of Cor.

Pits impracticable.

41.00 Gulch drains S.E.

44.00 Ridge bears N.W. and S.E.

48.50 Gulch drains S.E.

51.50 Ridge bears N.W. and S.E.

63.50 Deep washing Hop. Creek Canon drains S.W.

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

80.00 Set quartzite boulder 14 x 7 x 6 ins. 15 ins. in the ground for Cor. to Secs. 2, 3, 34 and 35, marked with 2 notches on E. and 4 notches on W. edges; and raised a mound of stone 2 ft. base 1½ ft. high N. of Cor.

Note 1. Page notes Pg 29

Pits impracticable, from which.

A cedar 4 ins. diam. bears S. 35° E. 1.85 lks. dist. Marked T. 13 S. R. 2 E. S. 2. B.T.

A cedar 5 ins. diam. bears S. 42° W. 1.66 lks. dist. Marked T. 13 S. R. 2 E. S. 3. B.T.

Land Mountainous.

North boundary T. 13 S. R. 2 E.

Chains.	
	Soil 4th rate - rocky Oak brush and some scattering cedars. Land Mountainous on 80.00 Chs.
	N. 89° 40' E. bet. Secs. 2 & 35
12.50	Spur ridge bears N.W. and S.E.
35.00	Gulch drains N.W.
40.00	Near bottom of Gulch drains S.W.
	Set Standstone 18x6x6 ins - 12 ins. in the ground for 1/4 Sec. Cor. marked 1/4 on N. face; and raised a mound of stone 2 ft. base 1½ ft. high N. of Cor.
	Pits impracticable
43.00	Gulch drains S.W.
	Ascend
80.00	Set Quartzite stone 18x8x6 ins - 12 ins. in the ground for Cor. to Secs. 1, 2, 35 and 36, marked 1 notch on E. and 5 notches on N. edges; and raised a mound of stone 2 ft. base 1½ ft. high N. of Cor.
	Pits impracticable.
	Land Mountainous
	Soil rocky and gravelly; 4th and 1st rate
	Dense oak brush.
	Land mountainous on 80.00 Chs.
	N. 89° 40' E bet. Secs. 1 & 36.
9.00	Gulch drains N.W.
5.00	Dividing ridge between Water Hollow and Hop Creek Hollow. about 1500 ft. above Water Hollow bears N.E. and S.W.
0.00	Set Quartzite Stone 17x8x6 ins - 12 ins. in the ground for 1/4 Sec. Cor. marked 1/4 on N. face; and raised a mound of stone 2 ft. base 1½ ft. high N. of Cor.
	Pits impracticable.
49.50	Gulch drains S.E.
50.50	Road bears S.E. and N.W.
64.00	" bears S.E. and N.W.

See Note 1. Pg 1. Cor. Note Pg 29

North: boundary T. 13 S. R. 2 E

65.50	Road S.E. and N.W.
70.50	Creek drains S.E.
80.00	Intersect Temp. Cor. to Tps. 12 and 13 S. Rs. 2 and 3 E. Where I set a limestone 20×15×12 ins. 15 ins in the ground for Cor. of Tps. 12 and 13 S. Rs. 2 and 3 E. marked with 6 notches on each edge; and raised a mound of stone 2 ft. base 1½ ft. high N. of Cor. Pits impracticable. See Note 1 - Cor.

Land Mountainous.

Soil 1st and 4th rate, sandy and rocky

Dense oak brush.

Land Mountainous on 8000 chs.

July 3. 1895

This township is mountainous in the North eastern portion, but affords excellent range for stock.

The North eastern portion is subdivided under this contract

Henry Fitzhugh
Nicholas Fitzhugh
U.S. Dep. Surveyors.

North boundary T. 13. S. R. 2 E.

Correction Notes

Note No.	
1	This is a clerical error, and the mounds will be found most of the corners in the field.
2	This is a clerical error, and mound will be found South of Corner, the Cor. was marked 12. S. on N.E. - 3. E. on S.E. - 13. S on S.W. and 2. E. on N.W. faces.

Henry Fitzhugh
Nicholas Fitzhugh
U. S. Deputy Surveyors

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List of Names.

A list of the names of the individuals employed by Henry Fitzhugh and Nicholas Fitzhugh, U. S. Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the survey of the North and East boundaries of Tp. 13 S. R. 2 E.

Salt Lake Meridian, in Utah Territory, showing the respective capacities in which they acted:

Cyrus F. Brown	Chainman
Frederick Bischoff	"
James P. Andersen	Axeman
James K. Anderson	"

Final Oath of Assistants:

We hereby certify that we assisted Henry Fitzhugh and Nicholas Fitzhugh, U. S. Deputy Surveyor, in surveying all those parts or portions of the North and East boundaries of T 13 S. R. 2 E.

Salt Lake Meridian, Utah (Him) Territory (Their), 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 U. S. Surveyor General for Utah.

Cyrus F. Brown	Chainman
Frederick Bischoff	"
James P. Andersen	Axeman
James K. Anderson	"

Subscribed and sworn to before me this 8th day of July, 1895

SEAL

Rees R. Llewellyn
Notary Public
my commission expires
March 21st 1896

6—161

4

Final Oath of U. S. Deputy Surveyor.

I, Henry Fitzhugh and Nicholas Fitzhugh, U. S. Deputy Surveyor, do solemnly swear that, in pursuance of instructions received from George W. Swan, U. S. Surveyor General for Utah, bearing date of the 8th day of March, 1895, I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the U. S. Surveyor General for Utah, the surveying manual, and the laws of the United States, surveyed all those parts or portions of the North and East boundaries of Sp. 13 S. R. 2 E.

Salt Lake 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 U. S. Surveyor General for Utah and in the specific manner 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.

Henry Fitzhugh
Nicholas Fitzhugh
U. S. Deputy Surveyor.

Subscribed and sworn to before me this 19th day of December, 1895.

SEAL

George W. Swan
U. S. Surveyor General

Approval.

Office of the U. S. Surveyor General,
Salt Lake City Utah, June 23d, 1896.

The foregoing field notes of the survey of the North and East Boundaries of Township 13 South, Range 2 East Salt Lake Base & Meridian in the Territory of Utah

executed by Henry Fitzhugh and Nicholas Fitzhugh under his Contract No. 200, dated March 8th, 1895, 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.

I certify that the foregoing transcript of the field notes of the above-described surveys in _____, has been correctly copied from the original notes on file in this office.

_____
U. S. Surveyor General.

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(4—679.)

No. 3.18.

BOOK A-240

FIELD NOTES

OF THE SURVEY OF

Subdivisional Lines of
Tp. 13 S. R. 26 E.

Of the Salt Lake Meridian,
Territory of Utah

AS SURVEYED BY

Henry Fitzhugh (4th) Nicholas Fitzhugh U. S. Deputy Surveyor,

Under his Contract No. 200, dated March 8th 1895.

Survey commenced July 5th, 1895.

Survey completed July 8th, 1895

(1203—2,000.)

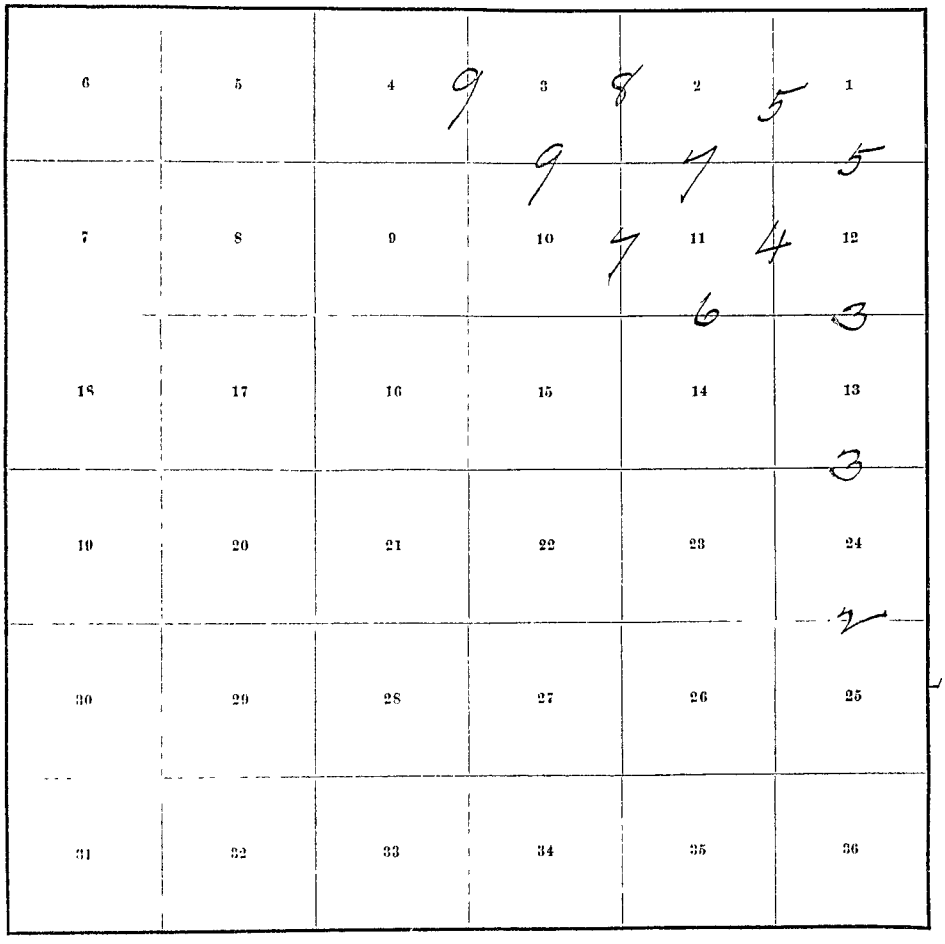
Names and Duties of Assistants.

Cyrus H. Bown	Examiner
Fredrick Bischoff.	"
James O Andresen	Examiner
James W. Andrson.	"

BOOK A-240

INDEX DIAGRAM.

Township 13 S, *Range* 2 E.



6	5	4 9	3 8	2 5	1
			9	7	5
7	8	9	10 7	11 4	12
				6	3
18	17	16	15	14	13
					3
19	20	21	22	23	24
					2
30	29	28	27	26	25
31	32	33	34	35	36

Meanders Page

6—161

he [illegible] bearing of the line

Preliminary Oaths of Assistants.

We, Cyrus H. Brown and Fredrick Bischoff

do solemnly swear that we will well and faithfully execute the duties of chain carriers; that we will level the chain over even and uneven ground, and plumb the tally-pins either by sticking or dropping the same; that we will report the true distance to all notable objects, and the true lengths 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 Subdivision lines of Tp. 13 S. R. 2 E.

Cyrus H Brown, Chainman.
Fredrick Bischoff, Chainman.
....., Chainman.
....., Chainman.

Subscribed and sworn to before me this 1st day of July, 1895.
Rees R. Lewellyn
Notary Public
commission expires march 21st 1896

We, James P Anderson and James W Anderson

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 Subdivision lines of Tp. 13 S. R. 2 E.

Subscribed and sworn to before me this 1st day of July, 1895.
Rees R. Lewellyn
Notary Public
6—151

James P Anderson, Axeman.
James W. Anderson, Axeman.

commission expires
march 21st 1896

Chs. Survey commenced July 5th 1895 with a W. & L. E. Gurley light Mountain Solar transit. The horizontal limb is provided with two double verniers placed opposite each other reading to single minutes, which is also the least count of the verniers of the latitude and declination arcs.
The instrument was examined tested on the true meridian at Salt Lake City found correct and was approved by the Surveyor General of Utah October 16th 1895
I examined the adjustments of the transit, correct the level and collimation errors, and then to test my solar apparatus on the the morning of July 5th at 6h 30m a.m. L.M.T. I set my instrument up over the 1/4 sec. Cor. to Secs. 25 and 30. Tps. 13 S. Rs. 2 and 3 E. and after setting off the latitude of the station 39° 40' N. on the lat. arc. and 22° 48' N. on the decl. arc. I mark a point on the plug set on July 1st 1895 by me. This is 0.3 ins. west of the true meridian established by Polaris observation on that date.
The solar apparatus defining the position of the true meridian 0'16" east of the meridian established by Polaris observations, I conclude that the adjustments of the instrument are satisfactory.
The meridian on which the above test was made was established on July 1st 1895 in the survey of the east and north boundaries of this township.
The magnetic bearing of the true

BOOK A-240

Subdivisions T. 13 S. R. 2 E.

Chs.	
	Meridian at 4th A.M. & M.T. is N. 16° 30' W. the angle thus determined, reduced by the table, page 100, gives the true magnetic brd. 16° 24' East,
	July 5th 1895 I make diligent search for the 1/4 Sec. Cor. between Secs. 24 and 25, but am unable to find any trace of the same, I therefore decide to reestablish the same.
	I commence at the Cor. to Secs. 23, 24, 25 and 26 which is a volcanic Stone 10x8x7 ins. above ground, and marked with 2 notches on S. and 1 notch on E. edges.
	Thence I run.
	East on a true line bet. Secs. 24 and 25
6.40	County road bears N.W. and S.E.
34.00	San Pete Valley R.R. bears S.E. and N.W.
36.75	Road bears N. and S.
	Enter Mountains. and chiefly sage brush.
40.00	Set granitite Stone 24x20x8 ins. 18 ins. in the ground for 1/4 Sec. Cor. Inscribed 1/4 on N. face, and raised a Mound of Stone 2 ft. base 1 1/2 ft. high N. of Cor. Pits impracticable.
	Thence I run.
	S. 89° 57' E on a random line bet. Secs 24 and 25
40.00	Intersect E. bdy. of Sh. 7 lks. S. of Cor. of Secs 19. 24. 25 and 30 set by me on July 2nd 1895
	Thence I run
	S. 89° 57' W. on a true line bet. Secs. 24 and 25 over Mountains. Road N.E. & W.
14.00	Ridge bears S.W. and N.E.
25.00	Gullies crains S.W.
5.75	Road bears N.E. and S.W.
40.00	Sec 1/4 Sec. Cor. bet. Secs. 24 and 25 Land Mountainous and Flat

1st and 4th Rate

Subdivisions T. 13 S. R. 2 E.

Chs.	
	Dense sage brush undergrowth Land Mountainous on 40.00 chs.
	I make diligent search for the 1/4 Sec. Cor. bet. Secs. 13 and 24 but am unable to find any trace of the same. I therefore decide to re-establish the same.
	I commence at the Cor. to Secs. 13. 14 23 and 24 which is a Quartzite Stone 14x14x10 ins. above ground marked with 3 notches on S. and 1 notch on E. edges -
	Thence I run.
	East on a true line bet. Secs. 13 and 24
2.50	Road bears S.E. and N.W.
36.50	Enter Mountains bear N.W. and S.
40.00	Set volcanic Stone 20x8x6 ins - 15 ins. in the ground for 1/4 Sec. Cor. marked 1/4 on N. face and raised a mound of Stone 2 ft. base 1½ ft. high N. of Cor. Pits impracticable.
	Thence I run
	N. 89°57' E. on a random line bet. Secs. 13 and 24
40.20	Intersect E. bdy. of T/S. 19 lks S. of the Cor. for Secs. 13, 18, 19 and 24
	Thence I run.
	S. 89°41' W. on a true line bet. Secs. 13 and 24.
40.20	The 1/4 Sec. Cor. bet. Secs. 13 and 24. Land Mountainous and flat. Soil 1st and 4th rate. Sandy, rocky, dense sage brush undergrowth Land Mountainous on 40.20 chs.
	the Cor. to Secs. 11, 12, 13 and 14 which is a quartzite Stone 10x12x8 ins. above ground, marked with 4 not on S. and 1 notch on E. c and.

Subdivisions T. 13 S. R. 2 E.

Chs.	
	mound of Stone alongside.
	Trun
	N. 89°41' E. on a random line bet. Secs. 12 & 13.
40.00	Set temp. 1/4 Sec. Cor.
80.50	Intersect E. bdy. of Tp. 12 8 lks. N. of Cor. to Secs. 7, 12, 13 and 18 set by me July 2nd
	Thence Trun
	S. 89°46' W. on a true line bet. Secs. 12 and 13.
23.50	Water Hollow creek, in hollow, 4 lks. wide 2 ins deep, flows S.W.
24.00	Road bears N.E. and S.W.
40.25	Set Quartzite Stone 30×10×8 ins - 21 ins in the ground for 1/4 Sec. Cor. marked 1/4 on N. face, and raised a mound of Stone 2 ft. base 1 1/2 ft. high N. of Cor. Pits impracticable.
42.00	Ridge bears N.E. and S.W.
45.00	Gulch drains S.W.
54.00	Ridge bears N and S.
68.25	Gulch drains S.
79.00	Ridge bears N and S.
80.50	The Cor. to Secs. 11, 12, 13 and 14.
	Land Mountainous
	Soil gravelly, rocky; 1st and 4th rate
	Dense oak brush.
	Land mountainous on 80.50 chs.
	5. at 12h noon M S the sun is 3°42' N
	0°1' W.
	bet. Secs. 11 and 12
30.00	Ravine drains S.W.
40.00	Set Quartzite Stone 18×12×7 ins - 12 ins. in the ground for 1/4 Sec. Cor. marked 1/4 on W. ce and raised a mound of Stone 2 ft. base 1 1/2 ft. high W. of Cor. Pits impracticable
47.50	Gulch drains S.E.
67.50	Ridge bears N.W. and S.E.
72.50	Gulch drains S.E.
80.00	Set quartzite Stone 18×8×5 ins - 12 ins. in the ground for Cor. to Secs. 1, 2, 11 and 12, marked 4 notches on S. and 1 notch on E. and raised a mound

Subdivisions T. 13 S. R. 2 E.

Chs.	
	Set a 2 ft. base 1½ ft. high W. of Cor. Pits impracticable. Land Mountainous. Soil gravelly, rocky, 2nd and 4th rate Oak brush. Land Mountainous on 80.00 chs.
	N. 89° 46' E. on a random line bet. Secs. 1 and 12
40.00	Set Stone. 1/4 Sec. Cor.
80.00	Intersect E. bdy. of T. 9 chs. S. of the Cor. for Secs. 1, 6, 7 and 12 Set by me on July 2nd Land Mountainous.
	S. 89° 42' W. on a true line bet. Secs. 1 and 12
3.00	Ridge runs N and S.
9.00	Creek drains S.
9.50	Road runs N and S.
15.50	Ridge runs N. and S.
23.50	Creek drains S.
29.75	Ridge runs N and S.
40.75	Set Volcanic Stone 14x9x5 ins. 10 ins. in the ground for 1/4 Sec. Cor. Mound 1/4 on N. face, and raised a Mound of Stone 2 ft. base 1½ ft. high N. of Cor. Pits impracticable.
43.50	Creek drains S.
60.00	Ridge runs N and S.
67.50	Creek drains S.
76.00	Ridge runs N and S.
80.50	The Cor. to Secs. 1, 2, 11 and 12. Land Mountainous Soil rocky, 4th rate. Brush oak brush Land Mountainous on 80.50 chs.
	North 0° 1' W. on a random line bet. Secs. 1 and 12
40.00	Set Stone. 1/4 Sec. Cor. (19 lbs.)
80.48	Intersect N. bdy. of T. 19 chs. E. of the Cor. of Secs. 1, 2, 35 and 36. Set by me on July 3rd 1895

Subdivisions T. 13 S. R. 2 E.

Chs.	
	Thence I run.
	S. 0°09' E. on a true line bet. Secs. 1 and
35.00	Dividing ridge bears N.E. and S.W.
40.48	Marked Stationary granite boulder,
	15×12×12 ins. above ground, 1/4 cor W.
	for 1/4 Sec. Cor., and raised a mound
	of Stone 2 ft. base 1½ ft. high W. of Cor.
	Pits impracticable.
57.00	Ridge bears N.E. and S.W.
80.48	The Cor. to Secs 1, 2, 11 and 12
	Land Mountainous
	Soil rocky, 4th rate.
	Brush oak underbrush
	Land mountainous on 80.48 Chs.
	July 5th 1895

July 6th 1895

In order to find the Cor. to Secs. 10, 11, 14 & 15 I retrace the line bet. Secs. 11 & 14.

I run

S. 89°56' W. bet. Secs. 11 and 14

7.50	Gulch drains S.E.
10.00	Ridge bears N.W. and S.E.
39.00	Ridge bears N.E. and S.W.
40.07	Intersect 1/4 Sec. Cor. Viz:
	a Stationary lime boulder 4×4×1 ft.
	above ground, marked 1/4 on N. face,
	and Mound of Stone alongside.
	Pits impracticable.
47.00	Gulch drains S.W.
59.00	Ridge bears N.E. and S.W.
75.00	Gulch drains S.W.
80.14	Intersect Cor. Viz: a volcanic Stone
	8×4×6 ins. above ground, marked
	with 4 notches on S. and 2 notches
	on E. edges, and a mound of Stone
	alongside.
	Land Mountainous
	Soil rocky, 4th rate.
	Oak and Sage brush.

Subdivisions T. 13 S. R. 2 E.

Chs.	July 6th at 9h a.m. L.M.T. I set off 39° 42' N. on the lat. arc, 22° 41' N. on the dec. arc. and determine a true meridian with the solar at the Cor. to Secs. 10, 11, 14 and 15
	Thence I run.
	N. 0° 2' W. bet. Secs. 10 and 11 — See Note 1-P. 53 + Cor. note
18.00	Ridge bears N.W. and S.E.
22.50	Head of gulch drains S.E.
29.00	Ridge bears N.E. and S.W.
38.50	Gulch drains S.W.
40.00	Set volcanic stone 18×10×7 ins - 12 ins in the ground for 1/4 Sec. Cor. marked 1/4 on W. face, and raised a mound of stone 2 ft. base 1½ ft. high W. of Cor. Pits impracticable.
58.00	Ridge bears S.W. and N. Thence ascend ridge.
65.00	Same ridge bears N.E.
80.00	Set volcanic stone 14×12×5 ins - 10 ins. in the ground for Cor. to Secs. 2, 3, 10 and 11 marked 5 notches on S. and 2 notches on E. edges, and raised a mound of stone 2 ft. base 1½ ft. high W. of Cor. Pits impracticable
	Land Mountainous
	Soil rocky, 4th rate
	Oak and Sage brush.
	Land Mountainous on 80.00 Chs.
	July 6th at 12h noon. L.M.T. I observe the sun. The lat. is. 39° 43' N
	N. 89° 56' E. on a random line bet. Secs. 2 and 11
40.00	Set Lamp. 1/4 Sec. Cor.
80.30	Intersect N. and S. line 21 Sks. S. of the Cor. to Secs. 1, 2, 11 and 12.
	Thence I run
	S. 89° 47' W. on a true line bet. Secs. 2 and 11
0.80	Gulch drains S.
4.00	Ridge bears N. and S.
9.00	Gulch drains S.E.
25.00	Ridge bears N.W. and S.E.
32.80	Gulch drains S.W.

Subdivisions T. 13 S. R. 2 E.

Chs.	
40.15	Set quartzite stone 20×8×7 ins – 15 ins. in the ground for 1/4 Sec. Cor. marked 1/4 on N. face, and raised a mound of stone 2 ft. base 1½ ft. high N. of Cor. Pits impracticable.
50.00	Ridge trees S.W. and N.E.
55.80	Spring on line
57.80	Ravine drains S.
71.80	Ridge trees N.E. and S.W.
80.30	The Cor. to Secs. 2, 3, 10 and 11. Land Mountainous Soil rocky, 4th rate Sage and oak brush. Land Mountainous on 80.30 chs.

See Cor. Notes 53	N. 0° ½' W. on a random line bet. Secs. 2 and 3.
40.00	Set Stone. 1/4 Sec. Cor.
80.45	Intersect N. bdy. of Tp. 19 Rs. W. of the Cor. to Secs. 2, 3, 34 and 35 described by me in the survey of July 3. 1895 Stone 3 ins S. 0° 6' W. on a true line bet. Secs. 2 and 3.
See Cor. Notes 53	
20.00	Ridge trees N.W. and S.E.
28.00	Gulch drains N.W.
37.45	Ridge trees N.W. and S.E.
40.45	Set volcanic stone 15×10×7 ins – 10 ins. in the ground for 1/4 Sec. Cor., marked 1/4 on W. face, and raised a mound of stone 2 ft. base 1½ ft. high W. of Cor. Pits impracticable
42.25	Gulch drains N.W.
47.45	Ridge trees N.W. and S.E.
52.40	Gulch drains N.W.
61.00	Ridge trees E. and W.
80.45	The Cor. to Secs. 2, 3, 10 and 11 Land mountainous Soil rocky, 4th rate Dense oak brush. Land Mountainous on 80.45 chs. July 6th 1895

Subdivisions T. 13 S. R. 2 E.

Chs.	
	July 8th; at 8h 30m L. m. t. I set off 39°42' N. on the lat. arc; 22° 29' N. on the decl. arc; and determine a true meridian with the solar at the Cor. to Secs. 3, 4, 9 and 10. Which is a volcanic stone 10×7×6 ins. above ground marked with 5 notches on S. and 3 notches on E. edges, and a mound of stone around corner.
	Thence I run.
	S. 89°56' E. on a random line bet. Secs. 3 and 10
40.00	Set Temp. 1/4 Sec. Cor.
80.47	Intersect N and S. line 50 lks. S. of the Cor. to Secs. 3, 4, 9 and 10
	Thence I run.
	S. 89°43' W. on a true line bet. Secs. 3 and 10
4.00	Ridge bears N. and S.
13.00	Ravine drains S. W.
18.50	Ridge bears N.E. and S.W.
26.00	Gulch drains S.W.
40.23½	Set volcanic stone 18×18×18 ins 12 ins. in the ground for 1/4 Sec. Cor. marked 1/4 on N. face, and raised a mound of stone 2 ft. base 1½ ft. high N. of Cor.
	Pits impracticable
45.00	Ridge bears N.E. and S.W.
80.47	The Cor. to Secs. 3, 4, 9 and 10
	Land mountainous
	Soil rocky, 4th rate.
	Oak and sage brush.
	Land mountainous on 80.47 Chs.

	N 0° 3' W. on a random line bet. Secs. 3 and 4 — Note 3 - Page Cor. Notes. Pg 53
40.00	Set Temp. 1/4 Sec. Cor.
80.30	Intersect N. bdy. of Tp. 42 lks. W. of Cor. to Secs. 3, 4, 33 and 34, described by me in survey of July 3, 1895
	Thence I run
	S. 0° 15' W. on a true line bet. Secs. 3 and — see Note 4 - Page Cor. Notes

Subdivisions T. 13 S. R. 2 E.

14.00	Spur ridge bears N.W. + S.E.
25.00	Gulch drains S.E.
40.30	Set quartzite stone 20×14×12 ins - 15" in the ground for 1/4 Sec. Cor. marked 1/4 on W. face and raised a mound of stone 2 ft. base 1½ ft. high W. of Cor. Pits impracticable.
46.50	Deep gulch drains S.W.
47.00	Road bears N.E. + S.W.
59.00	Ridge bears N.W. and S.E.
63.00	Gulch drains N.W.
68.50	Ridge bears N.W. and S.E.
72.00	Gulch drains N.W.
80.30	The Cor. to Secs. 3, 4, 9 and 10 Land mountainous Soil rocky, 4th rate Sage brush and oak brush. Land mountainous on 80.30 chs. July 8th 1895

July 8th at the cor. to Secs. 3, 4, 9 + 10. I set off 22°27' N. on the decl. arc. and at 12h noon L.M.T. observe the sun on the meridian. The resulting lat. is 3 °43' N.

General Description

The land embraced in this fractional township is mountainous, and covered for the most part with a dense growth of oak brush. It is used extensively for grazing purposes for sheep and cattle.

Water Hollow Creek a stream 4 lks. wide and 2 ins. deep, flows through the Northern part of Sec. 13. There is a spring on the line between Secs. 2 and 11

Cyrus H. Brown has about 20 acres under fence and cultivation in the N.W. 1/4 of the N.W. 1/4 of Sec. 13. There are several desert entry men, and applicants for survey mentioned in the Special Instructions

Subdivisions T. 13 S. R. 2 E. 51

Chs. of this contract, but no evidences of cultivation or settlement were found by us. The entries are all old and long since abandoned.

Henry Fitzhugh
Nicholas Fitzhugh
U. S. Dep. Surveyors.

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Connection Notes
Subdivisions Tp. 13 S. R. 2 E.

Note No.	
1	This is a clerical error. Should be N 0° 1' W.
2	This is a clerical error. Should be S. 0° 7' W.
3	This is a clerical error. Should be N. 0° 2' W.
4	This is a clerical error. Should be S. 0° 16' W.

Henry Fitzhugh
Nicholas Fitzhugh
U.S. Deputy Surveyors.

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List of Names.

A list of the names of the individuals employed by Henry Fitzhugh and Nicholas Fitzhugh, U. S. Deputy Surveyors to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the survey of the Subdivision Lines of Tp. 13 S. R. 2 E

Salt Lake Meridian, in Utah Territory, showing the respective capacities in which they acted:

Cyrus H. Brown	Chainman
Frederick Bischoff	"
James P. Andersen	Axeman
James W. Anderson	"

Final Oath of Assistants:

We hereby certify that we assisted Henry Fitzhugh and Nicholas Fitzhugh, U. S. Deputy Surveyors in surveying all the parts or portions of the Subdivision Lines of Tp. 13 S. R. 2 E.

Salt Lake Meridian, Utah Territory, as are represented in the foregoing field notes as having been surveyed by ~~him~~ them and under ~~his~~ their 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 U. S. Surveyor General for Utah

Cyrus H. Brown	Chainman
Frederick Bischoff	"
James P. Andersen	Axeman
James W. Anderson	"

Subscribed and sworn to before me this 8th day of July, 1895.

SEAL

Rees R. Llewellyn
Notary Public

6—151

My commission expires March 21st 1896

Final Oath of U. S. Deputy Surveyor.

We Henry Fitzhugh & Nicholas Fitzhugh, U. S. Deputy Surveyor, do solemnly swear that, in pursuance of instructions received from George W. Snow, U. S. Surveyor General for Utah Territory, bearing date of the 8th day of March, 1895, we have well, faithfully, and truly, in our own proper persons and in strict conformity with the instructions furnished by the U. S. Surveyor General for Utah, the surveying manual, and the laws of the United States, surveyed all those parts or portions of Subdivisional lines of Township Thirteen South Range Two East

Salt Lake Meridian, in the Territory of Utah, as are represented in the foregoing field notes as having been surveyed by us, and under our directions; and we 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 U. S. Surveyor General for Utah, and in the specific manner described in the field notes, and that the foregoing are the true field notes of such survey; and should any fraud be detected, we will suffer the penalty of perjury under the provisions of an Act of Congress approved August 8, 1846.

Henry Fitzhugh
Nicholas Fitzhugh
U. S. Deputy Surveyor.

Subscribed and sworn to before me this 19th day of December, 1895

SEAL

George W. Snow
U. S. Surveyor General

Approval.

Office of the U. S. Surveyor General,
Salt Lake City, Utah, June 23d, 1896

The foregoing field notes of the survey of Subdivisional lines of Township 13 South Range 2 East of the Salt Lake Base and Meridian Territory of Utah

executed by Henry Fitzhugh and Nicholas Fitzhugh under their Contract No. 200, dated March 8th, 1896, 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.

I certify that the foregoing transcript of the field notes of the above-described surveys in ....., has been correctly copied from the original notes on file in this office.

U. S. Surveyor General.

6—151

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BOOK A-240

FIELD NOTES

OF THE SURVEY OF

The North Boundary and retracement of the East Boundary of Tp. 13 S. R. 3 E.

Of the Salt Lake Meridian,

Territory of Utah

AS SURVEYED BY

Henry Fitzhugh and Nicholas Fitzhugh, U. S. Deputy Surveyor,

under ~~his~~ their Contract No. 200, dated March 8th 1895

Survey commenced July 9th, 1895

Survey completed July 13th, 1895

(12503—2,000.)

#	6.04.60 X
Closing #	6.00 X
Contingent E. Bdy	5.74.35 V
Contingent Closing	4.10

Names and Duties of Assistants.

Ole C. Andreson	Chairman
Niels Andreson	"
Nephi Andreson	Alternate
George Andreson	"

BOOK A-240

INDEX DIAGRAM.

Township 13 S, *Range* 3 E.

2	3	4	4	5	5	
6	5	4	3	2	1	9
7	8	9	10	11	12	9
18	17	16	15	14	13	8
19	20	21	22	23	24	8
30	29	28	27	26	25	7
31	32	33	34	35	36	7

Meanders Page.....

BOOK A-240

Preliminary Oaths of Assistants.

We, Ole C. Anderson and Niels Anderson

do solemnly swear that we will well and faithfully execute the duties of chain carriers; that we will level the ... over even and uneven ground, and plumb the tally-pins either by sticking or dropping the same; that we will ... the true distance to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of ... skill and ability, and in accordance with instructions given us in the survey of the North boundary and retracement of the East boundary of Tp. 13 S. R. 3 E.

Ole C Anderson, Chainman.

Niels Anderson, Chainman.

....., Chainman.

....., Chainman.

Subscribed and sworn to before me this 9th day of July, 18 95

Rees R. Lewellyn

Notary Public commission expires 21st March

We, Nephi Anderson and George Anderson

do solemnly swear that we will well and truly perform the duties of axemen in the establishment of corners and oth... duties, according to instructions given us, and to the best of our skill and ability, in the survey of the North boundary and retracement of the East boundary of Tp. 13 S. R. 3 E.

Subscribed and sworn to before me this 9th day of July, 18 95

Nephi Anderson, Axeman.

George Anderson, Axeman.

Rees R. Lewellyn

Notary Public

6—151

commission expires March 21st 1896

North Boundary T. 13 S. R. 3 E.

Chains

Survey commenced July 9th 1895, with a W & L. E. Gurley light mountain solar transit. The horizontal limb is provided with two double verniers placed opposite to each other reading to single minutes of arc, which is also the least count of the verniers of the latitude and declination arcs.

The Instrument was examined and tested on the true meridian at Salt Lake City, found correct and was approved by the Surveyor General for Utah. October 16th 1894

I examined the adjustments of the Transit and corrected the level and collimination errors then to test the solar apparatus by comparing its indication resulting from solar observation made during a.m and p.m. hours with a true meridian determined by an observation on Polaris I proceed as follows.

July 9th at Cotton Wood Springs in the N.W. corner of Section 1 of this Township and about 3/4 of a mile S.W. from the N.E. corner of the Township. Latitude 39° 42.6' N Longitude 111° 33.7' W at 3h C.M. L.M.T. I set off 39° 43' on the Latitude arc and 27° 19' on the declination arc, (these settings being the nearest practicable to the true minutes ~~and~~ of the fractions thereof required): determined with the Solar a true meridian. and mark the point thereof on a stone set firmly in the ground 5.00 chs N. of the Sta. where I drive a plug firmly in the ground at 0h 17m A.M. L.M.T. I observe Polaris at Eastern elongation in accordance with Manual of instructions. I mark a point on the line thus determined on a plug driven in the ground 5.00 chs N of my Station

July 9th 1895

July 10th at 6h 45m A.M. L.M.T. I lay off the azimuth of Polaris 1° 37' to the West

North Bdy. T. 13 S. R. 3 E.

Chs. and mark the true meridian thus determined by cutting a small groove in the stone at July 9th, on which the true meridian falls 0.3 in. E of the mark determined by the solar at 7h a.m. L.M.T. I set off 39° 43' on the latitude arc, 22°-14' on the declination arc and mark a point on the true meridian determined with the solar by a cross in the stone already set 5.00 chs. N. of my station. This mark falls 0.2 ins. West of the true meridian established by the Polaris observation.

The solar apparatus by P.M. and A.M. observations defines positions for the true meridian as above indicated. I therefore conclude that the adjustments of the instrument are satisfactory.

The magnetic bearing of the true meridian at 7 A.M. is N. 16° 30' W. The angle thus determined reduced by the table p. 100 gives the mean Mag. decl: 16° 24' E.

I begin at the cor. of Tps. 12 & 13 S. Rgs. 3 & 4 E. which answers the description furnished me by the Surveyor General viz. a quartz boulder 10×10×10 above ground firmly set and properly marked.

Thence I run

West on a random line along the N. Bdy. of Tp. 13 S. R. 3 E. setting temp 1/4 sec. and sec. cors. at intervals of 40.00 chs. and at 484.60 chs. intersect the Tp. line 6.00 chs. S. of the cor. of Tps. 12 & 13 S. Rs. 2 & 3 E. previously described by me and which I established July 2nd 1895. Note: This line falling outside of the limits for closing, I commence at the cor. to Tps. 12 & 13 S. Rs. 2 & 3 E. and run East on a true line along the North Bdy of T. 13 S. R. 3 E. between Secs. 6 and 31.

44.60 Set Quartzite stone 13×6×5 ins. 9 ins. in the ground for 1/4 sec. cor. marked 1/4 on N. face and raised a mound of stone 2 ft. base, 1 1/2 ft. high N. of Cor. Pits impracticable.

[illegible] 45.50 Spring branch in gulch drains S.E.

North Bdy. T. 13 S. R. 3 E.

Chains

48.75 Enter level Table mountain, bears E & W

84.60 Set Volcanic Stone 18×12×7 ins. 12 ins in the ground for cor. to secs. 31 & 32 Tp. 12 S. R. 3 E. Marked with 5 notches on E and 1 notch on W edges and raised a mound of stone 2 ft. base, 1½ ft. high N. of cor. Note 2-Pa. 2. Cor. notes

Pits impracticable.

Land mountainous.

Soil rocky and gravelly; 4th rate

Dense oak brush

Land Mountainous on 84.60 chs.

10th 18 5

July 11th at 8h a.m. L.M.T. I set off 39° 43' N. on the Lat. arc and 22° 6' N. on the Decl. arc and determine a true meridian with the Solar at the cor. of secs. 31 and 32 -

Thence I run -

East between secs. 5 and 32

20.40 Top of ridge (Table mountains) bears E & W.

22.90 Road bears N. & S.

27.40 Spring branch 2 lks wide. 2 ins. deep, in deep hollow, runs S

40.00 Set Volcanic Stone 14×8×7 ins. 10 ins. in the ground for ¼ Sec. Cor. Marked ¼ on N. face and raised a mound of stone 2 ft. base. 1½ ft high N. of Cor.

Pits impracticable

48.40 Ridge bears N. & S.

72.40 Leave Mountains, enter flat, and dense oak brush undergroth

80.00 Set lime stone 12×12×5 ins. 8 ins. in the gro for cor. to secs. 32 and 33, Marked with 4 notches on the E. and 2 notches on W. edges and raised a mound of stone 2 ft. base 1½ ft high N. of Cor. Note 2-Pag. 1 Cor. notes.

Land Mountainous and flat

Soil rocky and gravelly; 2nd and 4th rate

Dense oak brush.

Land Mountainous on 72.40 chs.

Dense oak brush on 7.60 chs.

North Bdy. T. 13 S. R. 3 E.

Chains	
	East between Secs. 4 and 33.
9.30	Water Hollow Creek 3 lks wide 3 ins. deep flows S. Leave flat and enter mountains bears N. and S.
40.00	Set Quartzite Stone 14 x 8 x 5 ins. 10 ins in the ground for 1/4 Sec. cor. Marked 1/4 on N. face and raised a mound of Stone 2 ft. base 1 1/2 ft. high N. of cor.
—	Pits impracticable
41.90	Ridge bears S.W. and N.E.
52.40	Spring branch flows S.W. 3 lks wide
60.40	Ridge bears S.W. and N.E.
74.00	Ridge bears N. and S.
— 80.00	Set Quartzite Stone 12 x 12 x 8 ins. 8 ins in the ground for cor. to Secs. 33 and 34. Marked with 3 notches on E and W. edges and raised a mound of Stone 2 ft. base 1 1/2 ft. high N. of cor.
	Land Mountainous and flat.
	Soil rocky and gravelly; 4th and 1st rates
	Dense Oak Brush
	Land Mountainous on 70.70 chs.
	Dense Oak underbrush on 9.30 chs.

[illegible] Page 1 [illegible]

	East between Secs. 3 and 34
10.90	Ridge bears N.E. and S.W.
17.40	Gulch drains S.W.
25.90	Ridge bears N.E. & S.W.
37.40	Gulch drains S. 25 chs. thence S.W.
40.00	Set Quartzite Stone 13 x 11 x 5 ins. 9 ins in the ground for 1/4 Sec. cor. Marked 1/4 on N. face and raised a mound of Stone 2 ft. base 1 1/2 ft. high N. of cor.
	Pits impracticable
44.90	Ridge bears N.E. & S.W.
52.50	Gulch drains S.W.
61.40	Ridge bears S.W. and N.E.
70.40	Head of gulch drains S.W.
— 80.00	On top of main divide bet. Water Hollow and Big Hollow, bears N.E. and S.W. Set Quartzite Stone 18 x 12 x 12 ins. 12 ins in the ground

orth Bdy. T. 13 S. R. 3 E.

Chains for Cor to Secs. 34 and 35. Marked with 2 Notches on E. and 4 Notches on W. edges raised a mound of Stone 2 ft. base 1½ ft. high N. of Cor. See note-2-Pa - Cor. Notes
Pits impracticable
Land Mountainous
Soil rocky; 4th rate
Dense Oak underbrush
Land Mountainous on 80.00 chs.
11th St. 12th noon S.M.T. I set off 22° S.N. on the deel arc and observe the sun on he let is 3° 43'

East between Secs. 2 and 35
Over rolling east slope
40.00 Set Quartzite Stone. 15x8x6 ins. 10 ins. in the ground for ¼ Sec Cor. Marked ¼ on N. face and raised a mound of Stone 2 ft. base 1½ ft. high N. of Cor.
Pits impracticable
80.00 Set Quartzite Stone 14x12x12 ins 10 ins in the ground for Cor to Secs 35 and 36 Mar with 1 notch on E and 5 Notches on W. edges and raised a mound of Stone 2 ft. base 1½ ft. high No. of Cor. Pits impracticable See Note 2-Pa 1- Cor. Notes
Land Mountainous
rocky and gravelly, 3rd rate
Dense Oak Brush
Land Mountainous on 80.00 chs
Dense Oak brush underfroth on 80.00 chs.

East between Secs 1 and 36.
40.00 Set Quartzite Stone 12x10x8 ins. 8 ins. in the ground for ¼ Sec Cor. Marked ¼ on N face and raised a mound of Stone 2 ft. base 1½ ft. high N of Cor.
Pits impracticable
80.00 Intersect N. and S. line 6.00 chs. N of the Cor. to Tps. 12 and 13 S. Rgs. 4 E, where I set quartz stone 20x14x8 ins 15 ins in the ground for Closing Cor. of Tps 12 and 13 S Rgs. 3 E. Marked C.C. on W. with 6 grooves on N. S and W. and raised a mound Note 3-Pa - Cor. Notes

North bdy. T. 13 S. R. 3 E. ... S.

Chains Stone 2 ft base 1½ ft. high W. of. Cor. Pits impracti
Land Mountainous
Soil 4th rocky
Dense Oak brush
Land Mountainous on 80.00 ch.
Dense Oak brush undergroth on 80.00 ch.
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Retracement of E. bdy of T. 13 S. R. 3 E.

Chained

7/12-95

Preliminary to commencing the subdivisions of this Township. I run S. on a blank line on the E. bdy of said Tp. I find no part of the E. bdy in alignment and many of the distances erroneous. I commence at the Cor. to Tps. 12 and 13 S. Rgs. 4 E. previously described in the Survey of the N. bdy. of this Tp. At a distance of 474.55 chs. I intersect E. and W. line 4.10 chs. E. of the Cor. to Tps. 13 and 14 S. Rgs. 3 and 4 E. - Viz: a granite 14 x 10 ins. properly marked and set in a mound of stone - T. 13 S. R. 4 E. being subdivided I retrace the line between the corners as follows -

From the Cor. to Tps. 13 and 14 S. Rgs. 3 and 4 E. I run N. bet. Secs. 31 and 36 - Over Mountains

15.00 Ridge bears N.E. descend

36.00 Gulch drains W

40.00 Find old Cor. Viz a volcanic stone 15 x 8 x 6 ins above ground Marked 1/4 on W. face. I r a mound of stone 2 ft. base 1½ ft. high W. of Cor.

46.00 Spur ridge bears E. and W.

53.00 Gulch drains N.W.

62.00 Ridge bears N.W. and S.E.

78.55 Intersect old Cor. Viz. volcanic stone 12 7 x 7 ins. above ground. Marked with 1 notch on S. and 5 notches on N. edges. I build a mound of stone 2 ft. base 1½ ft. high W. of Cor.

Land Mountainous
Soil rocky, 4th rate
Dense Oak brush

N. 0° 30' E. bet. Secs. 25 and 30.

17.00 Gulch drains S.W.

25.00 Ridge bears S.W. and N.E.

40.05 Intersect 1/4 Sec. Cor. Viz a volcanic stone 8 x 12 x 10 ins above ground. Marked 1/4 on W. - I raise a mound of stone 2 ft. base

Retracement of E. bdy T. 13 S., R. 3 E.

Chains	
	1½ ft. high W. of cor.
46.00	Ridge bears S.W. and N.E.
77.00	Wash drains S.W.
79.55	Intersect cor. Viz a volcanic stone 14x10x10 ins above ground. Marked with 4 notches on N and 2 notches on S. edges. I raise a mound of stone 2 ft. base 1½ ft. high W. cor.
	Land Mountainous
	Soil rocky. 4th rate
	Dense Oak brush undergrowth

N. 0° 39' E. bet. Secs. 19 and 24

20.00	Road bears N.E. and S.W.
35.80	Intersect old cor. Viz a volcanic stone 12x12x6 ins. above ground. Marked ¼ on face. I raised a mound of stone 2 ft. base 1½ ft. high W. of cor.
35.90	Ridge bears N.W. and S.E. July 12th 1895
	July 13th 1895
46.00	Gulch drains S.W.
55.00	Ridge bears N.E. and S.W.
67.00	Gulch drains W
80.65	Intersect Cor. Viz. a volcanic stone 10x6x6 ins above ground. Marked with 3 notches on N and S. edges. I raised a mound stone 2 ft. base 1½ ft. high W of cor.
	Land Mountainous
	Soil rocky and gravelly. 3rd rate
	Oak Brush

N. 0° 06' E. bet. Secs. 13 and 18

8.00	Gulch drains W
40.10	Intersect ¼ Sec. Cor. Viz a quartzite stone 7x12x10 ins above ground. Marked ¼ on W face I raised a mound of stone 2 ft. base 1½ ft high W. of cor.
46.50	Ridge bears E and W
74.00	Gulch drains W
78.00	Ridge bears E & W

OK A-240

Retracement E. Bdy. T. 13 S. R. 3 E.

Chains

80.10 — ect Old Cor. Viz a Quartz Stone 12x10 6 ins above ground marked with 2 notches on N. and 4 notches on S. edges. I raised a mound of stone 2 ft. base 1½ ft. high W. of Cor.
Land Mountainous
Soil gravelly. rocky: 2nd and 4th rate
Oak brush

N 0° 26' E. bet secs 7 and 12

6.75 drains W.
13.00 Ridge bears N.E. and S.W.
19.00 Gulch drains W
35.00 Ridge bears E & W
40.00 Intersect ¼ Sec. Cor. Viz. a Sand Stone 6 x 8 x 8 ins above ground marked ¼ on W face I raised a mound of stone 2 ft. 1½ ft. high W. of Cor.
46.40 Head of hollow drains W.
56.00 Ridge bears S.E. & N.W.
72.00 Gulch drains E
79.20 Intersect Old Cor. Viz a volcanic Stone 10x10x 8 ins above ground Marked with 1 notch N and 5 Notches on S. edges. I raised a mound of stone 2 ft. base 1½ ft. high W of Cor.
Land Mountainous
Soil Gravelly and rocky: 2nd and 4th rate
brush
13th. At this Cor I set off 21°48' N in the lat arc, and at 12h noon S. M. observe the sun in . The lat is ° 2'

N. 0° 26' E. bet. secs. 1 and 6

9.00 Ridge bears E. and W
36.30 Intersect ¼ Sec. Cor. Viz. boulder stone 8x12x 6 ins above ground. Marked ¼ on W. face I raised a mound of stone 2 ft base 1½ ft. high W of Cor.
40.50 Gulch drains N. 5° E.
58.00 Road bears E. and W. in broad hollow drains.
63.30 Water ditch drains E.

Retracement of E. bdy. T. 13 S. R. 3 E.

66.30	Hollow drains S.E.
75.20	Gulch drains S. 80° E.
76.30	The Cor. to Tps. 12 and 13 S. Rgs. 4 E.
	Land Mountainous
	Soil rocky. 4th rate
	Some Oak Brush undergrowth

e Notes.
ger-Gen. Notes.

13th 18

Boundaries of T. 13 S. R. 3 E.

			attitude designated	True be	Distance chains	Latitude N chains	Latitude S chains	Departure E chains	Departure W chains
W bdy	T. 13 S. R. 3 E.		South		480.00'		480.00'		
S "	T. 13 S. R. 3 E.		N 89° 56' E		480.04'	0.70'		480.04'	
E "	T. 13 S. R. 3 E.		North		78.5	78.55			
			N 0° 30' E		79.55'	79.55		0.69'	
			N 0° 39' E		80.65'	80.65		0.91'	
			N 0° 56' E		80.10'	80.09		1.30'	
			N 0° 26' E		79.20'	79.20'		0.60'	
			N 0° 26' E		76.30'	76.30'		0.58'	
			North		6.00'	6.00'			
N "	T. 13 S. R. 3 E.		West		484.60'				484.60'
									0.60'
						481.04'	480.00'	484.12'	485.20
						480.00'			484.12'
			Error in lat			1.04'	Error in		1.08'

General description

For general description see end of Subdivisional notes.

Henry Fitzhugh
Nicholas Fitzhugh
U.S. Dept. Surveyors

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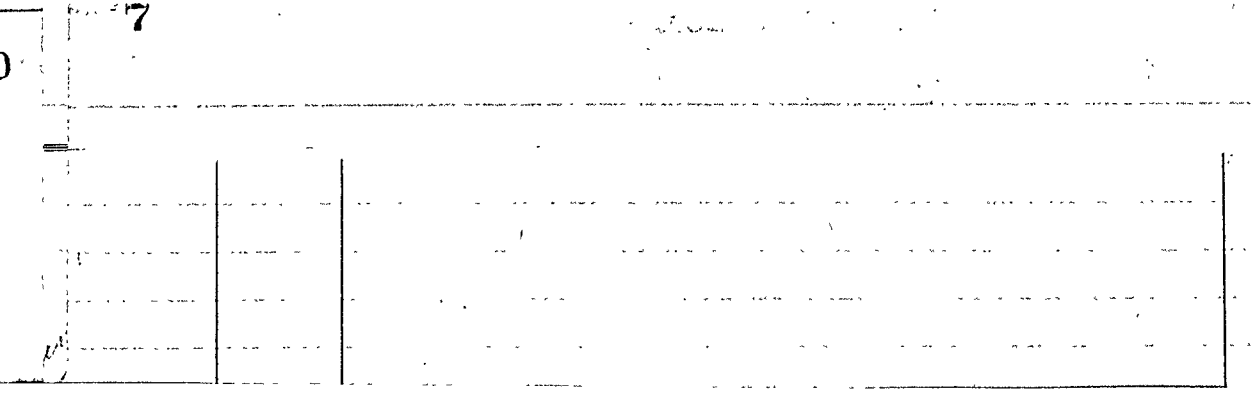

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Correction Notes
North boundary Tp. 13 S. R. 3 E.

Note No.	
1	This is a clerical error. should be 1 link wide.
2	This is a clerical error. Mounds will be found west of Corners in the field.
3	This is a clerical error. The Corner will be found marked as follows in the fields. "C. C. 13 S. on S. 12 S. on N. and 3 E. on W. faces.
4	I obliterated the marks on old Corner to Tps. 12 & 13 S. Rs. 3 and 4 E referring to Tps. 12 & 13 S. R. 3 E.
5	This is a clerical error. The courses and distance from the Cor. to Tps. 12 & 13 S. R. 4 E to the Cor. to Tps. 12 & 13 S. R. 3 E. is North 6.00 chs. Land Mountainous, covered with dense oak brush undergrowth.

Henry Fitzhugh
Nicholas Fitzhugh
U. S. Deputy Surveyors.

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A-240

List of Names.

A list of the names of the individuals employed by Henry Fitzhugh and Nicholas Fitzhugh, U. S. Deputy Surveyors to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the survey of the North Boundary and retracement of the East Boundary of Tp. 13 S. R. 3 E.

Salt Lake Meridian, in Utah Territory, showing the respective capacities in which they acted:

Ole C Anderson	Chainman
Niels Anderson	"
Mephi Anderson	Axeman
George Anderson	"

Final Oath of Assistants:

We hereby certify that we assisted Henry Fitzhugh and Nicholas Fitzhugh, U. S. Deputy Surveyors in surveying all those parts or portions of the North Boundary and retracement of the East Boundary of Tp. 13 S. R. 3 E

Salt Lake Meridian, Utah Territory, as are represented in the foregoing field notes as having been surveyed by ~~him~~ them and under ~~his~~ their 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 U. S. Surveyor General for

Ole C Anderson	Chainman
Niels Anderson	"
Mephi Anderson	Axeman
George Anderson	"

Subscribed and sworn to before me this 27th day of July, 1895.

SEAL

Rees R. Lewellyn
Notary Public

6—161

commission expires March 21st 1896

BOOK A-240

Final Oath of U. S. Deputy Surveyor.

I, We Henry Fitzhugh and Nicholas Fitzhugh, U. S. Deputy Survey
solemnly swear that, in pursuance of instructions received from George W Snow,
Surveyor General for Utah Territory, bearing date of the 8th
March, 1895, I have well, faithfully, and truly, in my own proper person, and in
conformity with the instructions furnished by the U. S. Surveyor General for Utah
surveying manual, and the laws of the United States, surveyed all those parts or portions of North
boundary and retracement of East boundary of Town
Thirteen South Range Three East

Salt Lake Meridian, in the Territory of Utah, as are represented in th
going field notes as having been surveyed by me, and under my directions; and I do further solemnly swear tl
the corners of said survey have been established and perpetuated in strict accordance with the surveying m
printed instructions, the special written instructions of the U. S. Surveyor General for Utah
and in the specific manner described in the field notes, and that the foregoing are the true field notes of such s
and should any fraud be detected, I will suffer the penalty of perjury under the provisions of an Act of C
approved August 8, 1846.

Henry Fitzhugh
Nicholas Fitzhugh
U. S. Deputy Surv

Subscribed and sworn to before me this 19th
day of December, 1895.

SEAL

George W Snow
U S Surveyor

Approval.

Office of the U. S. Surveyor General,
Salt Lake City Utah June 26th, 189

The foregoing field notes of the survey of the North Boundary and
retracement of East Boundary of Township 1
South Range 3 East of the Salt Lake Base
Meridian in the Territory of Utah

exec
Henry Fitzhugh and Nicholas Fitzhugh
under Their Contract No. 200, dated March 8th, 1895, having been ex
examined, the necessary corrections and explanations made, the said field notes, and the surveys they descri
hereby approved.

U. S. Surveyor Gen

I certify that the foregoing transcript of the field notes of the above-described surveys in
, has been correctly copied from the original notes on file in this office.

U. S. Surveyor Gen

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(4—679.)

85

BOOK A-240

FIELD NOTES

OF THE SURVEY OF

Subdivision lines of Tp. 13 S. R. 3 E

Of the Salt Lake Meridian,

Territory of Utah

AS SURVEYED BY

Fitzhugh and Nicholas Fitzhugh, U. S. Deputy Surveyors

nder ~~his~~ Contract No. 200, dated March 8th 1895

urvey commenced July 16th, 1895

urvey completed " 27th, 1895

(12503—2,000.)

59-79-71 ×

L 12 05 ×

V. 29.50 ×

Closings

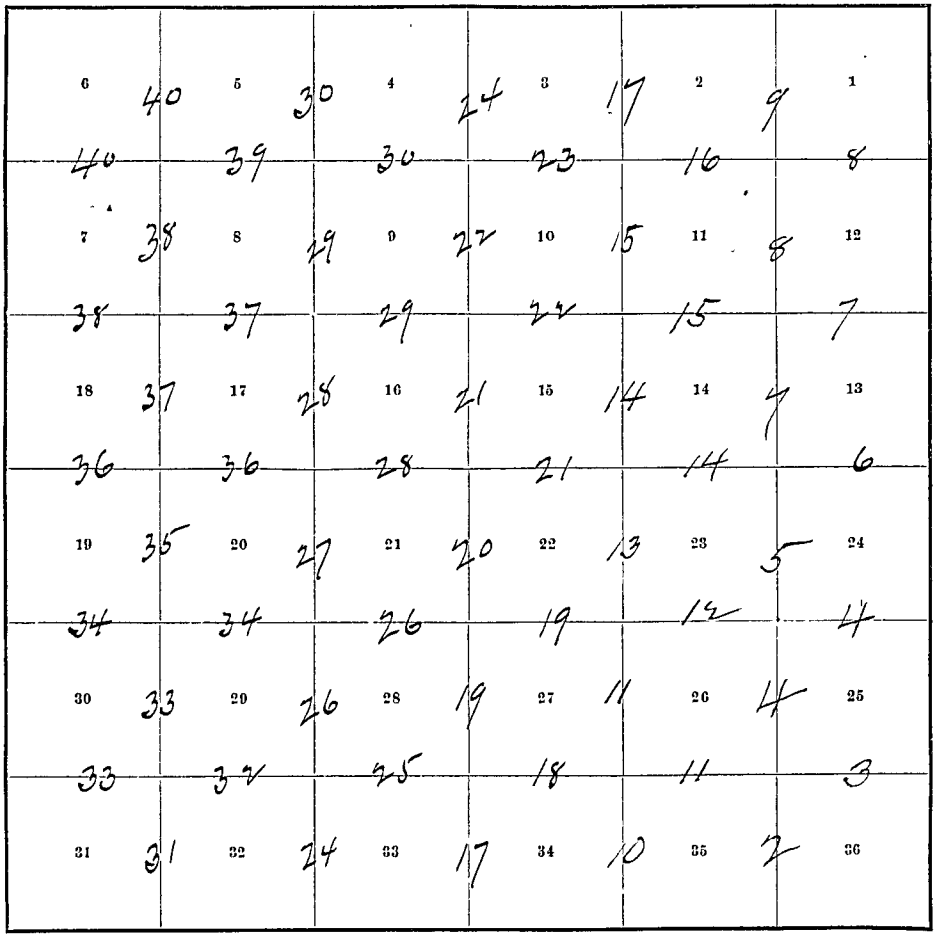
Names and Duties of Assistants.

Ole C. Anderson	Chainman
Neils Anderson	"
Nephi Anderson	Axeman
George Anderson	"

BOOK A-240

INDEX DIAGRAM.

Township 13 S, *Range* 3 E.



Meanders Page.....

BOOK A-240

Preliminary Oaths of Assistants.

WE, Ole C Andrison and Niels Andrison

do solemnly swear that we will well and faithfully execute the duties of chain carriers; that we will level over even and uneven ground, and plumb the tally-pins either by sticking or dropping the same; that we w the true distance to all notable objects, and the true lengths of all lines that we assist in measuring, to the b skill and ability, and in accordance with instructions given us in the survey of the Subdi Lines of Tp. 13 S. R. 3 E.

Ole C Anderson, Chai

Niels Andersson, Chai

, Chai

, Chai

Subscribed and sworn to before me this 9th day of July, 1895

Rees R. Lewellyn

Notary Public

commission expires March 21st 1896

WE, Nephi Andrison and George And

do solemnly swear that we will well and truly perform the duties of axemen in the establishment of corners . duties, according to instructions given us, and to the best of our skill and ability, in the survey of the

Subscribed and sworn to before me this 9th day of July, 1895

Nephi Andrison, A.

George A

Rees R. Lewellyn

Notary Public

6—151

commission expires March 21st 1896

Subdivisions of T. 13 S. R. 3 E.

Chains

Survey commenced July 15th 1895 and executed with a W. & L. E. Gurley light Mountain transit with solar attachment. The horizontal limb is provided with two double verniers placed opposite to each other, reading to single minutes of arc which is also the least count of the verniers of the latitude and declination arcs.

I examine the adjustments of the transit and correct the level and collimination errors; then to test the solar apparatus, by comparing its indications resulting from solar observations made during a.m. and p.m. hours, with a true meridian determined by observations on Polaris. I proceed as follows.

At the spring on Ole C. Anderson's ranch in S.E. ¼ of Sec. 15 T. 13 S. R. 3 E. in latitude 39° 40.4' N. longitude 111° 35.5' W. I set off 39° 40' N on the lat. arc; 21° 28' N on the decl. arc; and at 3h p.m. L.M.T. determine with the solar a true meridian and mark a point thereof on a stone firmly set in the ground 5. chs. N of the station.

At 11h 49m p.m. L.M.T. by my watch I observe Polaris at eastern elongation in accordance with the Manual of Instructions, and mark a point in the line thus determined on a plug driven in the ground 5. chs N. of my station.

July 15th 1895.

July 16th. At 6h 30m a.m. L.M.T. I lay off the azimuth of Polaris 1° 37' to the West and mark the True Meridian thus determined, by cutting a small groove in the stone set July 15th, on which the true meridian falls at the mark determined by the solar.

At 7h 35m a.m. L.M.T. I set off 39° 40' N. on the lat. arc; 21° 22' N. on the decl. arc; and mark a point in the true meridian determined with the solar, by a cross on the stone already set 5. chs N. of my station;

Subdivisions T. 13 S. R. 3 E.

Chains. This mark falls 0.3 ins. east of the true meridian established by the Polaris observation.

The solar apparatus by P.M. and A.M. observations defines positions for true meridians respectively at and 0'16" east of the meridian established by the Polaris observations: therefore I conclude that the adjustments of the instrument are satisfactory.

The magnetic bearing of the true meridian at 7h 30m a.m. L.M.T. is N 16° 35' W. The angle thus determined reduced by the Table page 100 gives the mean May. Decl. 16° 29' E.

From the Cor. to Secs. 1, 2, 35 and 36 on the S. bdy of the Tp. which is a volcanic stone 12 x 7 x 5 ins above ground, marked with 1 notch on E. and 5 notches on N. edge and mound of stone alongside, I run N 0° 1' W bet. Secs. 35 & 36.

Over Mountains.

20.00 Gulch drains N.W.

35.00 Ridge bears N.W. and S.E. Enter cedar timber

40.00 Set volcanic stone 12 x 8 x 8 ins. 8 ins in the ground for 1/4 Sec. Cor. Marked 1/4 on W. face and raised a mound of stone 2 ft. base 1½ ft. high W. of Cor.
Pits impracticable. From which a cedar tree 5 ins. diam. bears N. 86° 35' W. 6 lks. dist. Marked 1/4 S.B.T. A cedar 12 ins. diam. bears N 63° 37' E 7 lks. dist. Marked 1/4 S.B.T.

46.00 Ridge bears N.W. and S.E.

52.00 Gulch drains N.W.

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

69.75 Hollow drains N.W.

80.00 Set volcanic stone 18 x 10 x 10 ins. 12 ins. in the ground for Cor. to Secs. 25, 26, 35 and 36 Marked with 1 notch on S and E edges, and raised a mound of stone 2 ft. base 1½ ft. high W. of Cor. Pits impracticable. From which a cedar 17 ins. diam. bears N 68° 30' E. 110 lks. Marked T. 13 S. R. 3 E. S. 25

Subdivisions of T. 13 S. R. 3 E.

Chains B.E. A cedar 6 ins. diam. bears S 62°-06' E 153 lks. dist. Marked T 13 S R 3 E S 36 B.T.
A cedar 18 ins diam bears S 41°-30' W 219 lks. dist. Marked T 13 S R 3 E S 35 B.T.
A cedar 5 ins diam. bears N 44°-30' W 202 lks dist Marked T 13 S R 3 E S 26 B.T.
Land Mountainous
Soil rocky, gravelly. 3rd and 4th rate
Scattering cedar timber. Oak and Sage brush
Land Mountainous on 80.00 chs.

N 89°-55' E on a random line bet. Secs 25 and 36.

40.00 Set temp ¼ Sec. Cor.

80.50 Intersect E. bdy. of T. 110 lks N. of cor. to Secs. 25, 26, 31 and 36 described by me in Survey of July 12th 1875 - where I set a volcanic stone 18 x 8 x 6 ins. 12 ins. in the ground for Closing Cor. of Secs. 25 and 36 Marked C.C. on W. with 1 grove on S. and 5 groves on E. faces and raised a mound of Stone 2 ft. base 1½ ft. high. W. of Cor. Pits impracticable
and 36 Thence I run S 89°-55' W on a true line bet Secs 25 Over Mountains

6.50 Ridge, bears N and S

32.00 Gulch draining S.W.

40.50 Set volcanic Stone 18 x 14 x 10 ins. 12 ins in the ground for ¼ Sec. Cor. Marked ¼ on N. face and raised a Mound of Stone 2 ft base 1½ ft high N. of Cor. Pits impracticable

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

57.00 Deep wash in hollow draining N.W.

70.00 Enter scattering cedars on ridge bears N.W. and S.E.

80.00 The Cor. to Secs. 25, 26, 35 and 36.
Land Mountainous
Soil gravelly. 2nd rate
Oak and Sage brush - Scattering cedars on 5 chs
Land Mountainous on 80.00 chs

Subdivisions T 13 S. R. 3 E.

Chains N 0°-1' W bet. Secs. 25 and 26

Over Mountains.

7.50 Leave Scattering Cedars, Ridge bears N.W. and S.E.

25.50 Deep Wash in hollow drains N.W.

26.50 Road bears N.W. and S.E.

31.25 Gulch drains S.W.

36.00 Enter Flat Top Ridge bears N.W. and S.E.

40.00 Set volcanic Stone 14 x 10 x 8 ins. 10 ins. in the ground for 1/4 Sec. cor. Marked 1/4 on W. face and raised a mound of stone 2 ft. base 1 1/2 ft high W. of cor. Pits impracticable

44.25 County road bears N.E. and S.W.

46.00 Leave Flat top ridge

54.75 Gulch drains S.W.

60.00 Ridge bears N.E. and S.W.

72.00 Enter Scattering cedars

80.00 Set Volcanic Stone 14 x 12 x 8 ins. 10 ins in the ground for Cor to Secs 23, 24, 25 and 26 Marked with 2 Notches on S and 1 notch on E. edges and raised a mound of stone 2 ft. base 1 1/2 ft. high W. of cor. Pits impracticable

From which a cedar 6 ins. diam. bears S 58° 30' W 82 lks Marked T 13 S R 3 E. S. 26. B.T.

A cedar 7 ins diam bears N 51° 30' W 100 lks dist Marked T 13 S R 3 E. S. 23 B.T.

A cedar 10 ins diam bears N 35° E 104 lks. dist. Marked T 13 S. R 3 E. S. 24 B.T.

Land Mountainous

Soil Gravelly, rocky: 2nd and 4th rate

Cedars and Sage brush

and Mountainous on 80.00 chs.

16th at 12h noon L.M.T. I set off 21° 20' N on the decl arc and observe the Sun on the meridian. lat is [illegible]

N 89° 55' E. on a random line bet. Secs 24 and 25

40.00 Set temp 1/4 Sec. Cor.

81.20 Intersect E. bdy. of Tp. 195 lks. N. of Cor. to 19, 24, 25 and 30. described in Survey made me July 12th 1895, where I set a volcanic St 24 x 12 x 6 ins. 18 ins. in the ground for Closing for Secs. 24 and 25 Marked C.C. on W. and 4 grooves on N. and 2 grooves on S. edges and raised a mound of stone 2 ft. base 1 1/2 ft. high W., cor. Pits

Subdivisions of T 13 S. R. 3 E.

Chains	Thence I run
	S 89° 55' W. on a true line bet Secs 24 and 25
	Over Mountains.
12.50	Gulch drains S.W.
17.00	Ridge bears N.E. and S.W.
21.00	Road bears N.E. and S.W.
35.00	Head of hollow drains S.
38.00	Ridge bears N.E. and S.W.
41.20	Set volcanic stone 15x12x12 ins. 10 ins in the ground for 1/4 Sec. Cor. Marked 1/4 on N. face and raised a mound of stone 2 ft. base, 1½ ft. high N. of Cor. Pits impracticable
51.50	Gulch drains S.W.
58.00	Ridge bears N.E. and S.W.
75.00	Enter cedars
81.20	The Cor. to Secs. 23, 24, 25 and 26
	Land Mountainous.
	Soil gravelly, rocky. 2nd and 4th rate
	Cedars on S. Chs. Sage brush
	Land Mountainous on 81.20 chs.

	N 0° 1' W. bet Secs 23 and 24
12.75	Road N.E. and S.W.
18.60	Gulch drains S.W.
25.00	Ridge bears NE and S.W.
27.50	Gulch drains S.W.
33.00	Ridge bears E and W.
40.00	Set volcanic stone 20x8x5 ins. 15 ins. in the ground for 1/4 Sec. Cor. Marked 1/4 on W. face and raised a mound of stone 2 ft. base, 1½ ft. high. Pits impracticable,
	From which a cedar 20 ins. diam. bears W 140 lks dist. Marked 1/4 S.B.T. A cedar 15 ins diam bears N 84° E 257 lks, dist. Marked 1/4 S.B.T.
47.50	Road bears N.E. and S.W.
52.50	Hollow drains S.W.
66.00	Ridge bears N.E. and S.W.
74.50	Gulch drains W
80.00	Set Volcanic Stone 20x12x6 ins 15 ins. in the (Cor. to Secs 13, 14, 23 and 24

Subdivisions of T 15 S R 3 E

Chains	
	Marked with 3 notches on S and 1 notch on E edges and raised a mound of stone 2 ft. base 1½ ft. high on N. of cor. Pits impracticable. From which a cedar 6 ins. diam. bears S 35° W. 33 lks. dist. Marked T 15 S R 3 E. S 23 B.T. A cedar 8 ins. diam. bears S 75° E 19 lks dist. marked T 15 S R 3 E. S 24 B.T. A cedar 4 ins. diam. bears N 25° W 81 lks dist Marked T 15 S. R 3 E. S 14 B.T.
	Land Mountainous
	Soil rocky, gravelly, 2nd and 4th rate
	Scattering cedars and sage brush
	Land Mountainous on 80.00 Chs.
	N 89° 55' E on a random line bet Secs. 13 and 24
40.00	Set temp ¼ sec. cor.
82.10	Intersect E. bdy of T. 40 lks N of the cor. to 13. 18. 19 and 24 described by me in Survey of July 13th 1875. Where I set a volcanic stone 14 x 12 x 6 ins. 10 ins. in the ground for closing cor of Secs 13 and 24 Marked C.C. on W. with 3 grooves on N and S faces and raised a mound of stone 2 ft. base 1½ ft. high W. of cor. Pits impracticable.
	Thence I run
	S 89° 55' W on a True line bet Secs 13 and 24
	Over Mountainous
22.00	Enter cedars.
25.00	Gulch draining S.W.
31.00	Ridge and road bears N.E. and S.W.
39.00	Leave cedars.
42.10	Set Volcanic stone 14 x 12 x 6 ins. 10 ins. in the ground for ¼ sec. cor. Marked ¼ on N. face and raised a mound stone 2 ft. base 1½ ft. high N of cor. Pits impracticable
60.00	Gulch draining S.W.
67.00	Ridge bears S.W. and N.E. Enter cedars.
82.10	The cor. to Secs 18. 19. 23 and 24
	Land Mountainous
	Soil gravelly, rocky, 2nd and 4th rate
	Scattering cedars and sage brush

Subdivisions of T. 13 S. R. 3 E.

Chains Land Mountainous on 82.10 chs.

No. 1 W. bet Secs. 13 and 14.
7.50 Ridge bears NE and SW.
15.00 Leave cedars. Enter sage brush
24.25 Gulch draws SW.
32.00 Ridge bears NE and SW.
40.00 Set Volcanic stone 18X10X8 ins. 12 ins. in the ground for 1/4 Sec. Cor. Marked 1/4 on W. face and raised a mound of stone 2 ft. base 1½ ft. high W. of cor. Pits impracticable-
41.90 Small spring branch at mouth of hollow heads NE. flows SW. — see note 1-page - Cor. notes
71.50 Road bears NE and SW.
80.00 Set Volcanic stone 18X12X6 ins. 12 ins. in the ground for Cor. to Secs. 11, 12, 13 and 14 M with 4 notches on S and 1 notch on E. edges and raised a mound of stone 2 ft. base 1½ ft. high W. of cor. Pits impracticable
Land Mountainous
Soil rocky, gravelly. 3rd and 4th rate
Cedars on 15 chs
Sage brush on 65 chs
Land Mountainous on 80.00 chs.

16th 1895

July 17th 1895. At 7h a.m. L.M.T. I set off 39° 41' on the Lat. arc. 21° 12' N on the decl. arc and determine a true meridian with the Solar at the Cor to Secs 11, 12, 13 and 14.

Thence I run
N 89° 00' E. on a random line bet Secs 12 and 13
40.00 Set temp 1/4 Sec. Cor.
83.40 Intersect East bdy. of Tp. 110 lks N of cor to Secs. 7, 12, 13 and 18, described by me in the Survey of July 13th 1895. Where I set a volcanic stone 20X8X8 ins. 15 ins. in the ground from Closing Cor. to Secs. 7 and 18 M with 4 grooves on S and 2 grooves on N. with C.C. on W. face and raised a mound stone 2. base 1½ N.

Subdivisions of T. 13 S. R. 3 E.

Chains	
	Pits impracticable-
	Thence I mile
	S 89° 55' W on a True line bet Secs 12 and 13
	Over Mountainous.
8.90	drains N.W.
16.00	Ridge bears N.W. and S.E.
30.75	Gulch drains S.W.
43.40	Set Quartzite Stone 20x15x8 ins. 5 ins in the grou
	1/4 Sec. Cor. Marked 1/4 on N. face and raised
	a mound of Stone 2 ft. base 1½ ft. high N. of Cor.
	Pits impracticable
45.00	Ridge bears N.E. and S.W.
73.00	Spring branch in gulch flows S.W.
78.40	Road bears N.E. and S.W.
83.40	Cor. to Secs 11, 12, 13 and 14
	Land Mountainous
	Soil rocky. 4th rate
	Oak and Sage brush
	Land Mountainous on 83.40 chs.

N° 1' W bet. Secs. 11 and 12

25.00	Road bears S.E and N.W
28.50	Small Spring branch flows S.E.
40.00	Set Quartzite Stone 12x12x12 ins. 8 ins in the
	for 1/4 Sec. Cor. Marked 1/4 on W. face and raised
	a mound of stone 2 ft. base 1½ ft. high W. of cor.
	Pits impracticable
49.50	Low flat ridge N.W. and S.E.
80.00	Set Quartzite Stone 24x12x6 ins. 18 ins. in the
	ground for cor. to Secs. 1, 2, 11 and 12. Marked
	with 6 notches on S and 1 notch on E edges
	and raised a mound of stone 2 ft. base 1½
	high W. of cor. Pits impracticable
	Land mountainous.
	Soil Sandy. 1st and 2nd rate-
	Sage brush-
	Land Mountainous on 80.00 chs.

N 89° 55' E. on a random line bet. Secs 1 and 12

40.00	Set temp. 1/4 Sec. Cor.

Subdivisions of T13S R3E

84.00 Intersect E. bdy. of Tp. 230 lks N of the Cor. to Secs. 1, 6, 7 and 12, described by me in the vey of July 13th 1895. where I set a Quartzite Stone 13x9x6 ins. 9 ins. in the ground for closing Cor. to Secs. 1 and 12. Marked C.C. on W. with 5 groo on S. and 1 groove on N. faces. and raised a of Stone 2 ft. base 1½ ft. high W. of Cor. Pits impracticable-

Thence I run -

S89°55'W on a true line bet. Secs 1 and 12

28.00 Ridge bears N.W. and S.E.

44.00 Set Quartzite Stone 15x10x5 ins. 10 ins in the ¼ Sec. Cor. marked ¼ on N face. and raised a mound of Stone 2 ft. base, 1½ ft. high N. of Cor. Pits impracticable-

84.00 The Cor. to Secs. 1, 2, 11 and 12 and Mountainous

Soil rocky: 4th rate

Scattering Sage brush - and Oak brush

Land Mountainous on 84.00 Chs.

July 17th at this Cor I set off 21°10'N on the deel. arc and at 12h noon observe the Sun on the meridian The lat is 3°4'

Note - Knowing from my connection with the E. bdy. of this Tp. that I will fall W. outside of the prescribed limits, I run N 0°1'W on a true line bet. Secs. 1 and 2

5.50 Ridge bears N.E. and S.W.

31.00 Deep gulch drains N.E.

32.00 Road bears N.E. and S.W.

39.00 Spur Ridge bears N.W. and S.E. Cotton Wood bears N 89°20'E

40.00 Set Quartzite Stone 20x12x8 ins. 15 ins. in the ground for ¼ Sec Cor. Marked ¼ on W. face and raised a mound of Stone 2 ft. base 1½ ft. high W. of Cor. Pits impracticable -

43.00 Gulch drains S.E.

50.00 S68°10'E to Cotton Wood Springs

52.00 Ridge bears N.W. and S.E.

63.00 Gulch drains S.E.

68.00 Ridge bears N.W. and S.E.

76.50 Gulch drains S.E.

80.00 Intersect N. bdy. of Tp. 460 chs W. of the cor to Secs.

Subdivisions of T. 13 S. R. 3 E.

Chains 35 and 36. T. 12 S. R. 3 E. described by in the survey made by me July 11th 1895. where I set a Quartzite Stone 14x8x7 ins. 10 ins in the ground for closing cor. of secs. 1 and 2 Marked C.C. on S. with 1 groove on E. face and 5 groove on W. face. and raised a mound of stone 2 ft. base 1½ ft. high S. of cor. Pits impracticable.
Land Mountainous
Soil. gravelly, rocky: 4th rate
Oak brush
Land Mountainous on 80.00 chs.
July 17th 1895

18th 1895 From the Cor. to Secs. 2. 3. 34 and 35. on the S. bdy. of the Tp. which is a volcanic stone 12x7x5 ins. above ground marked with 4 notches on W. and 2 notches on E. edges and a mound of stone alongside
I run, Over Mountains.

u Note 2 Page 1 - Cor. notes

N 0° W bet. Secs 34 and 35
2.00 Ridge bears E and W
15.00 Spur ridge bears N.W. and S.E.
25.50 Gulch drains N.W.
28.00 Spur ridge bears N.W. and S.E.
40.00 Set volcanic stone 15x10x6 ins. 11 ins in the ground for ¼ Sec. Cor. Marked ¼ on W face and raised a mound of stone 2 ft. base 1½ high. W. of Cor. Pits impracticable.
46.50 Gulch drains W.
58.00 Ridge bears E. and W.
80.00 On ridge bears N.W. and S.E. I set a vol stone 16x12x6 ins. 11 ins. in the ground for cor. to Secs. 26. 27. 34 and 35. Marked with 1 not on S. and 2 notches on E. edges and raised a mound of stone 2 ft. base 1½ ft. high W. Pits impracticable.
From which a cedar 18 ins. diam bears S 84° 132 lks. dist. Marked T. 13 S. R. 3 E. S. 34 B.T.
A cedar 24 ins. diam bears N 54° 30' W 78 dist. Marked T. 13 S. R. 3 E. S. 27 B.T.
Mountainous

Subdivisions of T. 13 S. R. 3 E.

Chains Soil rocky: 4th rate
Scattering cedars and Oak brush
Land Mountainous on 80.00 chs.

N 89° 55' E on a random line bet. Secs 26 and 35
40.00 Set temp. 1/4 Sec. Cor.
79.95 Intersect N and S line 21 lks. N. of Cor to sec. 25. 26. 35 and 36
Thence I run
N 89° 56' W on a true line bet. Secs 26 and 35
Over Mountains
30.00 Leave cedars.
34.50 Gulch drains N.W.
39.60 Road bears N.W. and S.E.
39.97 1/2 Set volcanic Stone 18 x 10 x 8 ins. 12 ins. in the ground for 1/4 Sec. Cor. Marked 1/4 on N. face and raised a mound of stone 2 ft. base 1 1/2 ft. high, N. of Cor. Pits impracticable.
A cedar 18 ins. diam. bears S 39° 50' W 206 lks dist marked 1/4 S. B.T.
48.50 Flat ridge bears N W and S.E.
52.60 Gulch drains N.W.
65.00 Spur ridge bears N.W. and S.E. Enter cedars
73.50 Gulch drains N.
79.95 The Cor. to Secs. 26, 27. 34 and 35
Land Mountainous
Soil gravelly rocky: 1st and 4th rate
Oak brush and cedars.
Land mountainous on 79.95 chs.

July 18th 1895 at 10h A.M. L.M.T. I set off 39° 39' N. on the lat. arc: 21° 01' N. on the decl. arc: I determine the true meridian with the solar at the Cor. to Secs. 26. 27. 34 and 35.
Thence I run
N 0° 2' W. bet. Secs. 26 and 27 — See Note 2 - page 1 Cor. notes.
4.00 N.E. Cor. of corral (Fagards) bears N. 42° 26' W.
Spring bears N. 39° 24' W.
14.00 Road bears N.E. and S.W.
17.50 Enter cedars.

Subdivisions of T. 13 S. R. 3 E.

21.	Leave cedars
27.00	Gulch drains N.W.
31.20	Hogards Corral bears S68°45' W (N.E. Cor.)
	Spring bears S.64°10' W.
35.00	Enter Big Hollow and dense sage brush undergrot
40.00	Set volcanic stone 18X13X9 ins 12 ins. in the ground for 1/4 Sec. Cor. Marked 1/4 on W. face and raised a mound of stone 2 ft. base 1/2 high W. of Cor. Pits impracticable-
47.40	Road bears N.E and S.W.
52.00	Main Wash drains S.W. Leave hollow
65.00	Ridge bears N.E and S.W.
70.00	Gulch drains S.E. Enter cedars.
80.00	Set volcanic stone 15X8X8 ins. 10 ins. in the ground for Cor to Secs. 22, 23, 26 and 27 Marked with 2 notches on S and E edges and raised a mound of stone 2 ft. base 1 1/2 ft. high W. of Cor. Pits impracticable-
	From which a cedar 12 ins. diam. bears N6° 50' W 77 lks dist. Marked T.13 S R.3.E. S.22 B.T.
	A cedar 12 ins diam. bears S63° W 110 lks dist Marked T.13 S R.3.E. S.27 B.T.
	Land Mountainous
	Soil gravelly: 1st and 2nd rate
	Sage brush and Cedars.
	Land Mountainous on 53 chs.
	Dense sage brush undergroth on 27 chs.
	At this Cor I set off 20°59' on the Sec. arc and at 12h noon observe the sun on the meridian. The resulting lat is 39°39' N
	S89°56' E. on a random line bet. Secs. 23 and 26
40.00	Set temp 1/4 Sec. Cor.
80.35	Intersect N and S line 80 lks S. of cor. to Secs. 23, 24, 25 and 26-
	Thence I run
	N 89°43' W. on a true line bet. Secs 23 and 26.
7.00	Road bears N.E and S.W.
8.35	Hollow drains S.W.
15.00	Ridge bears N.E. and S.W.
29.00	Leave cedars.
39.00	Road bears N.E. and S.W.
40.17 1/2	Set volcanic stone 14X8X7 ins. 10 ins in the

Subdivisions of T. 13 S. R. 3 E.

Chains	
	ground for ¼ Sec. Cor. Marked ¼ on N. face and raised a mound of stone 2 ft. base 1½ ft. high N. of Cor. Pits impracticable
41.00	Deep hollow S.W.
44.00	Enter cedars.
56.00	Ridge bears N.E. and S.W.
66.50	Road bears N.E and S.W.
80.35	The Cor. to Secs. 22, 23, 26 and 27. Land Mountainous Soil Sandy. 2nd rate Cedars and Sage brush. Land Mountainous on 80.35 Chs.

N. ½ W. bet. Secs. 22 and 23 See note 2 - Pag 1 - Cor. notes.

26.50	Ridge bears N.E. and S.W.
40.00	Set volcanic stone 15 x 8 x 8 ins. 10 ins in the ground for ¼ Sec. Cor. Marked ¼ on W face and raised a mound of stone 2 ft. base 1½ ft high W. of Cor. Pits impracticable. From which a cedar stump 10 ins. diam. bears S 83° 15' E. 128 lks. dist. Marked ¼ S.B.T.
42.50	Gulch drains S.W.
45.25	Road bears N.W. and S.E.
60.00	Spur ridge bears N.E and S.W.
	S.E. Cor. of Ole C Anderson's farm bears S 56° 10' W
	S.W. " " " " " " " S 77° 49' W
	Spring bears S 65° 7' W
	" " S 80° 20 W
72.30	Ridge bears N.E. and S.W.
	S.E. Cor of Ole C Anderson's farm bears S 26° 25' W
	S.W. " " " " " " S 43° 35' W
	Spring bears S 49° 30' W
	" " S 29° 10' W
80.00	Set volcanic stone 24 x 8 x 6 ins. 18 ins in the ground for Cor to Secs. 14, 15, 22 and 23 Marked with 3 notches on S. edge and 2 notches on E. edge and raised a mound of stone 2 ft. base 1½ ft. high W. of Cor. Pits impracticable From which a cedar 6 ins diam bears S 32° 45 W 2.19 lks. dist. Marked T 13 S R 36 S 22 B.T.
	N.E. Cor of O. C Anderson's Corral bears N 86° W

Subdivisions of T. 15 S. R. 3 E.

Chains | 11.13 chs.
Land Mountainous
Soil rocky; 4th rate
Oak brush and scattering cedars
Land Mountainous on 80.00 chs.

S 89° 43' E. on a random line bet. Secs. 14 and 23

40.00 Set Temp 1/4 Sec. Cor.

80.25 Intersect N. and S. line 46 lks S of Cor. to Secs. 13. 14. 23 and 24

Thence S 89° 57' W on a true line bet. Secs. 14 and 23.

18.00 Road bears N and S. Leave cedars.

40.12½ Set volcanic Stone 14x12x10 ins. 10 ins in the ground for 1/4 Sec. Cor. Marked 1/4 on N face and raised a mound of stone 2 ft. base 1½ high N of Cor. Pits impracticable.

42.00 Hollow drains S.E.

60.575 Enter scattering cedars. Ridge bears N and S.

80.25 The Cor. to Secs. 14, 15, 22 and 23.
Land Mountainous
Soil gravelly, rocky; 1st and 4th rate.
Scattering cedars and Sage brush
Land Mountainous on 80.25 Chs.

July 18th 1895.

(Note 2 - Page 1 - Cor. Notes)

July 19th 1895. N 0° 12' W bet. Secs 14 and 15

6.60 Hollow drains S.W.

22.00 Spur ridge bears N.E. and S.W.
Thence along W. slope.

29.25 Gulch drains S.W.

40.00 Set volcanic Stone 18x14x12 ins 12 ins in the ground for 1/4 Sec. Cor. Marked 1/4 on W and raised a mound of stone 2 ft. base 1½ high W. of Cor. Pits impracticable.
From which a cedar 5 ins diam bears N 2 167 lks. dist. Marked 1/4 S B.T.
A cedar 5 ins diam. bears S 64° W 212 lks dist. Marked 1/4 S B.T.

42.50 Leave scattering cedars. Enter dense oak

46.50 Ridge bears N.E. and S.W.

Subdivision of T. 13 S. R. 3 E.

56.75 Gulch drains S.W.
71.00 Ridge bears E. and W.
— 80.00 Set volcanic stone 16 x 10 x 8 ins. 10 ins in the ground for cor to secs 10. 11. 14 and 15 marked with 4 notches on S edge and 2 notches on E edge and raised a mound of stone 2 ft. base 1½ ft. high N. of cor. Pits impracticable
Land Mountainous
Soil rocky, gravelly: 4th and 1st rate
Oak brush, and scattering cedars
Land Mountainous on 80.00 chs.

N 89° 57' E on a random line bet. secs. 11 and 14
40.00 Set Temp ¼ Sec. Cor.
80.00 Intersect N and S lines T. lks. W. of the cor. to secs. 11, 12, 13 and 14
Thence S.
West on a true line bet. secs 11 and 14
16.50 Gulch drains S.E. Ascend
40.00 Set volcanic stone 20 x 10 x 8 ins 15 ins in the ground for ¼ sec cor. marked ¼ on N. face and raised a mound of stone 2 ft. base 1½ ft. high N of Cor. Pits impracticable
42.50 N.E. point of ridge bears S.W.
58.00 Head of gulch drains N.E.
60.00 Enter dense oak brush.
70.00 Ridge bears N. and S.
— 80.00 The cor. to secs. 10. 11. 14 and 15
Land Mountainous
Soil gravelly, rocky: 1st and 4th rate
Dense oak brush on 20 chs
Land Mountainous on 80.00 chs.

July 19th 1895. at 10h a.m. L.M.T. I set off 39.41 N on the lat. arc. 20° 50' N on the dist. arc. and determine a true meridian with the at the cor. to secs. 10. 11. 14 and 15
Thence S.
N 0° ½' W bet secs. 10 and 11
19.00 Gulch drains S.E.

See Note 2-Pa
1-Cor. Note

Subdivisions of T 13 S R 3 E

Chains
27.50 Spur ridge bears N.W. and S.E.
40.00 Set Quartzite Stone 14x12x12 ins 10 ins in the ground for 1/4 sec Cor. Marked 1/4 on W. and raised a mound of stone 2 ft. base 1 1/2 ft high W. of cor. Pits impracticable
43.00 Gulch drains S.E.
52.00 Spur ridge bears N.W. and S.E.
56.50 Gulch drains S.E.
66.00 Ridge bears N.W. and S.E.
80.00 Set Quartzite Stone 14x12x10 ins. 10 ins in the ground for cor to secs 2.3.10 and 11 M with 5 notches on S. edge and 2 notches on E. edge and raised a mound of stone 2 ft. base 1 1/2 ft. high W. of cor. Pits impracticable
Land Mountainous
Soil gravelly; 2nd rate
Dense Oak brush undergroth on 80.00 chs.
Land Mountainous on 80.00 chs.
19th Off this Cor I set off 20°49' in the decl arc and at 12 the Sun on the The lat 3°41' N.

East on a random line bet Secs 2 and 11
40.00 Set temp 1/4 Sec. Cor.
80.02 Intersect N and S line 7 lks. N of the cor. to secs. 1, 2, 11 and 12.
Thence I run
N 89°57' W. on a true line bet Secs. 2 and 11
2.50 Ridge bears S.W and N.E.
31.00 Head of hollow drains N.E.
33.00 Ridge bears S.W. and N.E.
38.00 Head of hollow drains S
39.50 Road bears S.E and N.W.
40.01 Set Quartzite stone 12x12x10 ins. 8 ins in the gr for 1/4 Sec. Cor. Marked 1/4 on N face and raised a mound of stone 2 ft. base, 1 1/2 ft. N. of cor. Pits impracticable.
Enter dense Oak brush
75.50 Hollow drains S.E.
80.02 The cor. to secs. 2. 3. 10 and 11
Land Mountainous
Soil gravelly; 1st rate
Dense Oak brush undergroth on 40.01 chs.
Mountainous on 80.02 chs.

Subdivisions of T. 13 S. R. 3 E.

Chains | Notes

Note— Knowing from my connection with the E. bdy. of this Tp. that I will fail N. outside of the prescribed limits I run

No. 2 W on a true line bet. Secs. 2 and 3 — see Note 2 - Page 1 - Gen. Notes

7.00 Gulch drains S.E.

11.50 Ridge bears N.W. and S.E.

17.00 Gulch drains S.E.

23.75 Road bears N.W. and S.E.

36.00 Spur ridge bears N.W and S.E.

40.00 Set Quartzite Stone 18x12x8 ins 12 ins. in the ground. for 1/4 Sec. Cor. Marked 1/4 on W and raised a mound of stone 2ft. base. 1½ ft. high W. of Cor. Pits impracticable

42.50 Gulch drains S.E.

52.00 Spur ridge bears N.W. and S.E

64.50 Gulch drains S.E.

73.00 Top of Divide bet. Water Hollow and Carlton Road. Cañons bears N. and S.W.

79.95 Intersect N bdy. of Tp. 4.65 chs. W of the Cor. to Secs 34 and 35 described in the survey made by me July 11th 1895 where I set a Quartzite 18x9x6 ins. 12 ins in the ground for closing Cor. to Secs. 2 and 3 Marked C.C. on S. and 2 grooves on E face and 4 grooves on W. face and raised a mound of stone 2ft. base, 1½ ft. high S Pits impracticable
Land Mountainous
Soil rocky, gravelly: 4th rate
Oak brush undergroth on 79.95 chs
Land Mountainous on 7995 chs.

July 19th 1895

July 20th 1895. From the Cor. to Secs. 3, 4, 33 and 34 on the S. bdy. of the Tp. which is a volcanic stone 7x12x6. ins above ground. marked with 3 Notches on E and W. edge and mound of stone alongside—

I run

No. 8 W. bet. Secs. 33 and 34 — see Note 3 - Page 1 - Gen. Notes.

1.00 Top of Bluff descend

31.00 Spur Ridge bears E and W.

Subdivisions of T 13 S R 3 E

Chains	
4000	On steep N. hillside set volcanic stone 20x10x 8 ins. 15 ins in the ground for 1/4 sec. cor. marked 1/4 on W. face and raised a mound of stone 2 ft. base 1/2 ft. high W. of cor. Pits impracticable.
48.50	Gulch drains N.W.
52.00	N.W. point of spur ridge bears S.E.
60.60	Road NE and SW.
63.40	Spring Branch in Big hollow frows S.W.
80.00	Set volcanic stone 15x12x10 ins. 10 ins in the ground for cor. to secs 27, 28, 33 and 34 marked with 1 notch on S edge and 3 notches on E edge and raised a mound of stone 2 ft. base 1 1/2 ft. high W. of cor. Pits impracticable. From which a cedar 4 ins. diam bears S. 20° 30' W 125 lks dist. Marked T. 13 S R 3 E S. 33 B.T. Land Mountainous. Soil rocky; 4th rate. Sage brush. Land Mountainous on 80.00 chs.

Note 4. Angel-Cor. Notes

N 89° 55' E. on a random line bet. Secs. 27 and 34

40.00	Set temp 1/4 sec. cor
79.90	Intersect N and S line 19 lks N. of cor. to secs. 26, 27, 34 and 35.

Thence I run

N 89° 57' W. on a true line bet. Secs 27 and 34 Over Mountains and dense sage brush undergroth.

7.00	Gulch drains N.W.
12.00	Spur ridge bears NW and SE
39.90	Road bears NE and SW.
39.95	Set volcanic stone 12x12x8 ins 8 ins in the ground for 1/4 sec. cor. marked 1/4 on N face and raised a mound of stone 2 ft. base 1 1/2 ft. high N of cor. Pits impracticable.
54.00	Spring branch 2 lks wide in Big Hollow flows SW. Spring 150 lks N.
61.00	Road bears NE and SW.
68.50	Ridge bears N and S.
72.50	Gulch drains S
79.90	The cor. to secs 27, 28, 33 and 34

Subdivisions of T 13 S R 3 E

Chains	
	Land Mountainous
	Soil gravelly, rocky: 1st and 4th rate
	Some Scattering cedars on first 35 Chs.
	Sage brush undergrowth
	Land Mountainous on 79.90 chs
	July 20th 1895 - at 10h A.M. L.M.T. I set off 39°38' N on the lat arc: 20°38' N on the decl arc and determine a true meridian with the solar at the cor. to secs. 27. 28. 33 and 34.
	Thence Irun
	N 0°-3' W. bet. secs. 27 and 28
	Over Mountains
21.00	Spur ridge bears N.W and S.E.
29.50	Gulch drains S.E.
40.00	Set volcanic stone 15x10x5 ins 10 ins in the ground for 1/4 sec. cor. Marked 1/4 on W. face and raised a mound of stone 2 ft. base: 1½ ft. high W. of cor. Pits impracticable -
45.00	Ridge bears N.W. and S.E.
66.00	Enter scattering cedars - Gulch drains S.E.
75.00	Ridge bears E. and W.
80.00	Set volcanic stone 18x6x6 ins 12 ins in the ground for cor. to secs. 21, 22, 27 and 28. Marked with 2 notches on S edge and 3 notches on E. edge, and raised a mound of stone 2 ft. base: 1½ ft. high W. of cor. Pits impracticable -
	From which a cedar 7 ins. diam. bears S 25° W 45 lks. dist. Marked T.13 S. R.3 E. S. 28 B.T.
	Land Mountainous
	Soil rocky; 4th rate
	Dense sage and oak brush
	Scattering cedars on N 14 Chs.
	Land Mountainous on 80.00 chs.
	July 20th At this cor I set off 20°37' on the decl. arc: and at 12h noon observe the sun on the meridian The resulting lat is 39°39' N
	S 89°57' E. on a random line bet. secs. 22 and 27
40.00	Set temp 1/4 sec. cor.
79.95	Intersect N and S line 14 lks N. of cor. to secs

See note 3 - pa 1 - Cor. Note

Subdivisions of T 13 S. R 3 E.

	Chains	22. 23. 26 and 27
		Thence From
		N 89°-51' W. on a true line bet Secs. 22 and 27
	5.50	Ridge bears S.E. and N.E.
	19.50	Leave cedars. Enter hollow drains S.
e Note 5 gel-Cor. Notes	26.00	Spring branch drains S.
	29.50	Road bears N. and S. Leave Hollow Enter cedars
	39.97½	Set volcanic Stone 24 x 10 x 5 ins 18 ins in the ground for ¼ Sec. Cor. Marked ¼ on N. face and raised a mound of Stone 2 ft. base. 1½ ft. high N. of cor. Pits impracticable
		From which a pinion pine 7 ins diam bears S. 3°-20' E. 38 lks. dist. Marked ¼ S.B.T.
		A cedar 8 ins diam bears N. 35° E. 40 lks dist marked ¼ S.B.T.
	44.50	Ridge bears N and S
	50.00	Leave cedars
	67.00	Hollow drains S.E.
—	79.95	The cor. to Secs. 21. 22. 27 and 28
		Land Mountainous
		Soil Sandy, rocky. 1st and 4th rate
		Cedar timber and Sage brush
		Land Mountainous on 79.95 chs.
e Note 3. gel-Cor. Notes.		N 0°-3' W. bet. Secs. 21 and 22
	11.00	Gulch drains S.E.
	40.00	Set volcanic Stone 14 x 10 x 8 ins 10 ins in the ground for ¼ Sec Cor. Marked ¼ on W. face and raised a mound of Stone 2 ft. base. 1½ ft. high W. of cor. Pits impracticable
	56.00	Junction of gulches head N.W. and N.E. drains S.W.
—	80.00	Set volcanic Stone 24 x 18 x 8 ins. 18 ins in the ground for cor. to secs. 15. 16. 21 and 22 Marked with 3 notches on S. and E. edges and 13 S. on N.E. and 13 E. on S.E. faces. and raised a mound of Stone 2 ft. base. 1½ ft. high W. of cor. Pits impracticable.
		Land Mountainous
		Soil gravelly, rocky. 2nd and 4th rate
		A few Scattering cedars

Subdivisions of T. 13 S. R. 3 E.

Chains	Oak brush undergrowth	
	Land Mountainous on 80.00 chs.	
	S 89° 51' E on a random line bet. Secs. 15 and 22	
40.00	Set temp. ¼ Sec. Cor.	
79.90	Intersects N and S line 14 lks. N. of Cor to Secs. 14, 15, 22 and 23 -	
	Thence down	
	N 89° 45' W on a true line bet Secs 15 and 22	
4.25	Enter flat bears N and S	
6.50	N.E. Cor. of fence and field bears S. 2.30 chs.	
11.85	Corral fence bears N and S	
13.20	Leave corral. bears N and S.	
15.60	N.W. Cor. of fence and field bears S. 1.12 chs.	
16.30	Spring branch flows S. Enter Mountains	1 See note 5. page Cor. Notes
17.00	Spring bears N 1.60 chs.	
38.00	Ridge bears N.W. and S.E.	
39.95	Set Volcanic stone 14 x 8 x 6 ins 10 ins in the ground for ¼ Sec. Cor. Marked ¼ on N. face and raised a mound of stone 2 ft. base 1½ ft. high N. of Cor. Pits impracticable.	
41.60	Gulch draws S.	
58.00	Ridge bears NE and S.W.	
66.60	Gulch draws S.W.	
79.90	The Cor to Secs. 15, 16, 21 and 22	
	Land Mountainous	
5.85	Soil rocky, gravelly, 1st and 4th rate	
12.05	Oak and Sage brush	
	Land Mountainous on 67.85 chs.	
	July 20th 1895	
	July 22nd 1895	
	N. 0° 8' W. bet Secs. 15 and 16	See note 3 - page 1 - Cor. Notes
28.00	Ridge bears N.W. and S.E.	
40.00	Set Lime stone 20 x 8 x 4 ins. 15 ins in the ground for ¼ Sec. Cor. Marked ¼ on W. face and raised a mound of stone 2 ft. base 1½ ft. high W. of Cor. Pits impracticable	
48.25	Rocky ridge bears NE and SW	
57.70	Gulch draws SW.	
80.00	Set Lime stone 24 x 7 x 4 ins. 18 ins. in the	

Chains ground for Cor. to Secs. 9. 10. 15 and 16. Mar
4 notches on S. and 3 notches on E. edges
and raised a mound of stone 2 ft. base 1½
ft. high W. of Cor. Pits impracticable
From which an oak 6 ins diam bears S73°
17' W 115 lks. dist. Marked T. 13 S. R3. E. S. 16 B.1.
Land Mountainous
Soil gravelly, rocky; 2nd and 4th rate
Dense Oak and Sage brush
Land Mountainous on 80.00 chs.

S89°45'E on a random line bet Secs. 10 and 15
40.00 Set Temp ¼ Sec. Cor.
80.40 Intersect N. and S. 2 lks N of the Cor. to secs.
10, 11, 14 and 15
Thence I run
N 89°44' W on a true line bet Secs. 10 and 15
8.00 Ridge bears N.W. and S.E.
18.50 Gulch drains S.
22.00 drains S.
33.75 Ridge bears N. and S.
40.20 Set Quartzite stone 12x12x8 ins. 8 ins in the
ground for ¼ Sec. Cor. Marked ¼ on N. face
and raised a mound of stone 2 ft. base 1½ ft
high N. of Cor. Pits impracticable
40.3 Gully drains S
41.50 S.E. point of ridge bears NW
51.00 Ravine drains S.E.
80.40 The Cor. to Secs. 9. 10. 15 and 16
Land Mountainous
Soil gravelly, rocky; 1st and 4th rate
Dense Oak brush
Land Mountainous on 80.40 chs.

July 22nd 1895 at 9h 30m A.M. L.M.T. I set
39°41' N on the lat. arc; 20°15' N. on the decl. arc,
and determine a true meridian with the solar
at the Cor. of 9. 10. 15 and 16.
Thence I run
N 0° ~~15~~ W. bet. Secs. 9 and 10

See Note 3
Page 1 - Cor.

Subdivisions of T. 13 S. R. 3 E.

Chains	
	Ascend S.E. slope
40.00	Set Quartzite Stone 14x8x6 ins. 10 ins. in the ground for 1/4 Sec. Cor Marked 1/4 on W. face, and raised a mound of stone 2 ft. base. 1½ ft. high W. of Cor. Pits impracticable.
67.50	Top of divide bet. Big Hollow and Water Hollow bears N.E. and S.W.
	Descend along N.W. slope
80.00	Set Quartzite Stone 12x9x6 ins. 8 ins in the ground for cor. to secs 3. 4. 9 and 10. Mo with 5 notches on S and 3 notches on E. edges and raised a mound of stone 2 ft. base. 1½ high W. of Cor. Pits impracticable
	Land Mountainous
	Soil gravelly, rocky. 2nd and 4th rate
	Dense oak brush
	Land Mountainous on 80.00 chs.
	July 22nd At this Cor I set off 20°14' N on the decl arcs and at 12 h Noon observe the " " The resu lat is 0°41
	S 89°44' E. on a random line bet. secs. 3 and 10
40.00	Set Temp 1/4 Sec. Cor.
79.75	Intersect N and S. line 50 lks S of Cor to secs. 2. 3. 10 and 11
	Thence from
	S 89°55' W. on a true line bet secs 3 and 10
	Ascend Hollow
20.00	leave hollow, heads N.W.
	Ascend Steep Mountain
39.87½	Set Quartzite Stone 15x10x6 ins. 10 ins in the ground for 1/4 Sec. Cor. Marked 1/4 on N. face and raised a mound of stone 2 ft. base. 1½ ft. high N. of Cor. Pits impracticable
55.00	Dividing ridge bet. Big Hollow and Water Hollow bears N.E. and S.W.
79.75	The cor. to secs. 3. 4. 9 and 10.
	Land Mountainous
	Soil gravelly, rocky. 2nd and 4th rate
	Dense oak brush undergrowth
	Land Mountainous on 79.75 chs.

Chains	
	Note – Knowing from my connection with the E. bdy. of this Tp. that I will fall W. outside of the prescribed limits –
	I run
Note 3. ...ge1 – Cor. notes.	N 0°-3' W. on a true line bet. Secs. 3 and 4
14.00	Spur ridge bears E. and W.
25.00	Head of gulch drains W.
33.50	Spur ridge bears E and W.
40.00	Set Quartzite stone 17×7×6 ins. 12 ins. in the ground for 1/4 Sec. Cor. Marked 1/4 on W. face and raised a mound of stone 2 ft. base, 1½ ft. high. W. of cor. Pits impracticable
43.00	Water Hollow drains S.W.
44.75	Road bears N.E. and S.W.
50.00	S.W. point of spur ridge bears N.E.
54.40	Gulch drains S.W.
61.50	Spur ridge bears N.E. and S.W.
68.00	Gulch drains S.W.
79.65	Intersect N. bdy. of Tp. 4.70 chs. W of the to secs. 33 and 34 T. 12 S. R. 3 E. described in the survey made by me July 11th 1895. Where I set a Sand Stone 15×10×9 ins. 10 ins in the ground for closing Cor. to secs. 3 and 4. Marked c.c. on S. With 3 grooves on E. and W. faces, and raised a mound of stone 2 ft. base, 1½ ft. high S. of cor. Pits impracticable
	Land Mountainous
	Soil rocky 4th rate
	Dense Oak brush
	Land Mountainous on 79.65 chs.
	July 22nd 1895
	July 23rd 1895
	From the cor. to secs. 4. 5. 32 and 33. on the S. bdy. of the Tp. which is a volcanic stone 9×8×6 ins above ground Marked with 4 notches on E. and 2 notches on W. edges and mound of stone alongside –
	I run Over Mountains
Note 6 ...ge1 – Cor. notes	N 0°-4' W bet. Secs. 32 and 33
8.00	Ridge bears N.E. and S.W.
28.00	Gulch drains N.W.

Subdivisions of T.13 S. R.3 E.

Chains

30.50 N.W. point of ridge bears S.E.
36.00 Road bears N.E and S.W.
38.50 Small Spring branch in Big Hollow flows S.W. — see note 4-pa 1- Cor. note
40.00 Set Volcanic Stone 14x10x4 ins 10 ins in the ground for 1/4 Sec. Cor. Marked 1/4 on W. face and raised a mound of stone 2 ft. base 1 1/2 ft. high W. of cor. Pits impracticable
51.50 Gulch drains S.E.
Ascend gulch
77.50 Junction of gulchs, one heads N.W. one heads N.E.
80.00 Set volcanic stone 15x12x5 ins. 10 ins in the ground for Cor. to Secs. 28. 29. 32 and 33. Mar with 1 notch on S. and 4 notches on E edges and raised a mound of stone 2 ft. base 1 1/2 ft. high W. of Cor. Pits impracticable-
Land Mountainous
Soil rocky: 4th rate
Dense Sage brush.
Land Mountainous on 80.00 chs.

N 89°-55 E on a random line bet Secs 28 and 33
40.00 Set temp 1/4 Sec. Cor.
80.05 Intersect N and S. line 5 lks. N. of Cor. to Secs. 27. 28. 33 and 34
Thence Frum
S 89°-57' W on a true line bet Secs 28 and 33
5.00 Spur ridge bears N. and S.
14.50 Ravine drains S.
31.00 Spur ridge bears N.W. and S.E.
35.20 Gulch drains S.E.
40.02 Set volcanic stone 12x8x6 ins. 8 ins in the ground for 1/4 Sec. Cor. Marked 1/4 on N. face and raised a mound of stone 2 ft. base 1 1/2 ft. high N. of cor. Pits impracticable
41.00 Ridge bears N. and S.
9.00 Ravine drains S.E.
7.00 Spur ridge bears N.W. and S.E.
Gulch drains S.E.
5.50 Spur ridge bears N. and S.

71. Gulch drains S.
73.50 Spur ridge bears N and S
76.25 Gulch drains S.W.
— 80.05 The Cor. to Secs. 28. 29. 32 and 33.
Land Mountainous -
Soil rocky; 4th rate
Sage brush
Land Mountainous on 80.05 chs.

July 23rd 1895. At 10h a.m. L.M.T. I set off 39°3'9" N on the lat. arc: 20°3' N on the decl. arc: and determine a true meridian with the Sol. at the Cor. to secs. 28. 29. 32 and 33.
Thence I run - Over Mountains

e Note 6.
ger-Cor.

N 0°-4 W bet. Secs. 28 and 29.
15.50 High ridge bears NE and S.W.
37.50 S.W. point of ridge bears N.E.
40.00 Set Volcanic Stone 14x12x12 ins. 10 ins in the ground for 1/4 Sec. Cor. Marked 1/4 on W. face and raised a mound of stone 2 ft. base. 1 1/2 ft. high W. of cor. Pits impracticable
45.00 Gulch drains S.W. Enter Cedars
52.50 Spur ridge bears NE and S.W.
57.00 Gulch drains S.W.
62.50 Ridge bears NW and S.E. Leave Cedars
67.50 Gulch drains N.W.
76.50 Spur ridge bears NW and S.E.
— 80.00 Set Volcanic Stone 24x18x8 ins. 18 ins in the ground for Cor. to secs. 20. 21. 28 and 29 marked with 2 notches on S. and 4 notches on E. edges and raised a mound of stone 2 ft base. 1 1/2 ft. high W. of cor. Pits impracticable -
Land Mountainous
Soil rocky; 4th rate
Sage brush
Cedars on 17.50 chs.
Land Mountainous on 80.00 chs.
July 23rd At this Cor I set off 20°2' N on the decl arc and at 12h noon observe the on the meridian The lat is 3° 0'

N 89°-57' E on a random line bet Secs 21 and 28
40.00 Set Ten 1/4 Sec. Cor.

Subdivisions T. 13 S. R. 3 E.

8.00 5 Intersect N and S. line 16 lks S of cor to Secs. 21. 22. 27 and 28
Thence I run
S 89° 60' W on a True line bet. Secs. 21 and 28
Ascend Steep Mountain
40.02½ Set Volcanic Stone 18x8x6 ins. 12 ins in the ground for ¼ Sec Cor. Marked ¼ on N. face and raised a mound of stone 2 ft. base, 1½ ft. high. N of cor. Pits impracticable
From which a cedar 24 ins. diam bears N 8 E. 80 lks. dist. Marked 1/4 S. B. T.
64.00 Dividing ridge bears N.E. and S.W.
Descend
80.00 The Cor. to secs 20, 21, 28 and 29
Land Mountainous.
Soil gravelly, rocky. 2nd and 4th rate
Sage, Oak and Scrub brush
Land Mountainous on 80.00 chs.

N. 0° 45' W. bet Secs. 20 and 21 — Note 6 - pas 1 - Cor. Note
Over Mountains
8.00 Gulch drains S.W.
11.50 Ridge bears S.W. and N.E.
13.00 Gulch drains S.W.
Ridge bears N.E and S.W.
40.00 Set Volcanic Stone 18x6x4 ins. 12 ins in the ground for ¼ Sec Cor. Marked ¼ on W face and raised a mound of stone 2 ft. base, 1½ ft. high W. of cor. Pits impracticable
44.00 Gulch drains S.W.
51.00 Ridge bears N.E. and S.W.
58.00 Gulch drains W.
80.00 Set Volcanic Stone 15x10x8 ins. 10 ins in the ground. for. Cor. to Secs. 16, 17, 20 and 21
Marked with 3 Notches on S and 4 Notches on E. edges and raised a mound of Stone 2 ft. base. 1½ ft. high W. of cor. Pits impracticable.
Land Mountainous
Soil rocky. 4th rate
Oak, Scrub, and Sage brush
Land Mountainous on 80.00 chs.

Chains	
	N 89° 50' E on a random line bet. Secs. 16 and 21.
40.00	Set Temp 1/4 Sec. Cor.
79.75	Intersect N and S line 37 lks N of cor to Secs. 15. 16. 21: and 22
	Thence I run
	N 89° 54' W on a true line bet. Secs. 16 and 21
6.00	Gulch drains S.
22.50	Ridge bears N. and S.
30.50	Gulch drains S.
33.00	Dividing ridge bears N.E. and S.W.
39.87½	Set white Cobble Stone 14 x 8 x 6 ins. 10 ins in the ground for 1/4 Sec. Cor. Marked 1/4 on N face and raised a mound of stone 2 ft. base. 1½ ft. high N. of cor. Pits impracticable.
75.00	Gulch drains S.W.
79.75	The Cor. to Secs. 16. 17. 20 and 21.
	Land Mountainous
	Soil Gravelly rocky: 2nd and 4th rate
	Dense Oak brush
	Land Mountainous on 79.75 chs.
	July 23rd 1895-
	July 24th 1895-
e Note 6 rget- Cor. notes	N 0° 4' W. bet. Secs. 16 and 17-
	Over Mountains
2.50	Road bears E. and W.
10.00	Enter Cedars-
18.00	Ridge NE and SW.
40.00	Set Quartzite Stone 13 x 8 x 6 ins. 9 ins in the ground for 1/4 Sec. Cor. Marked 1/4 on W. face and raised a mound of stone 2 ft. base. 1½ ft. high W. of cor. Pits impracticable
	From which a pinion pine 12 ins diam bears S. 82° 15' W. 99 lks dist. Marked 1/4 S.B.T.
44.00	Gulch drains S.W.
64.00	Ridge bears NE and SW. Leave Scattering cedars-
80.00	Set Quartzite stone 18 x 12 x 8 ins. 12 ins. in the ground for Cor. to Secs 8. 9. 16 and 17. Marked with 4 notches S and 4 notches on E. edges. and raised a mound of stone 2 ft. base. 1½ ft. high W. of cor. Pits impracticable

Subdivisions T. 13 S. R. 3 E.

Chains Land Mountainous-
Soil gravelly, rocky; 1st and 4th rate-
Sage and Oak brush-
Scattering cedars on 54.00 chs.
Land Mountainous on 80.00 chs.

S 89°-54' E. on a random line bet. Secs. 9 and 16
40.00 Set Temp. 1/4 Sec. Cor.
80.45 Intersect N. and S. line 9 lks N. of the Cor. to Secs. 9, 10, 15 and 16.
Thence I run
N 89°-55' W. on a true line bet. Secs. 9 and 16.
Over Mountains.
24.00 Ridge bears N. and S.
28.00 Gulch drains S.
33.00 Ridge bears N. and S.
40.22½ Set Quartzite stone 14 x 6 x 8 ins. 10 ins in the ground for 1/4 Sec. Cor. marked 1/4 on N face and raised a mound of stone 2 ft. base, 1½ ft. high N. of Cor. Pits impracticable-
[illegible].00 Deep ravine drains S.
52.00 Gulch drains S.E.
[illegible].00 High ridge bears N.E. and S.W.
80.45 The Cor. to Secs. 8, 9, 16 and 17-
Land Mountainous
Soil gravelly, rocky; 1st and 4th rate
Oak and Sarvis brush-
Land Mountainous on 80.45 chs.
July 24th At this Cor. I set off 19°-55' N. on the decl. arc; and at 12h Noon observe the sun on the meridian. The N. Elev. lat. is 3[illegible]°.

N 0°-4' W. bet. Secs. 8 and 9- See note 6- Page 1- Cor. notes
Over Mountains
4.00 High ridge bears E. and W.
Descend to Water Hollow
0.00 Set Quartzite stone 17 x 12 x 6 ins. 12 ins in the ground for 1/4 Sec. Cor. marked 1/4 on W face and raised a mound of stone 2 ft. base, 1½ ft. high W. of Cor. Pits impracticable-
80.00 Set Quartzite stone 14 x 12 x 8 ins. 10 ins in the ground for Cor. to Secs. 4, 5, 8 and 9 marked with 5 notches on S. and 4 notches on E. edges

Chains	
	and raised a mound of stone 2 ft. base. 1½ ft. high W. of Cor. Pits impracticable-
	Land Mountainous
	Soil rocky: 4th rate
	Dense Oak brush undergroth
	Land Mountainous on 80.00 chs
	July 24th 1895: At 2h 30m p.m. L.M.T. I set off 39°42' N on the lat. arc: 19°48' N on the decl. arc: and determine a true meridian with the Solar at the Cor. to Secs. 4, 5, 8 and 9-
	Thence I run-
	S89°50' E on a random line bet. Secs. 4 and 9
40.00	Set temp ¼ Sec. Cor.
80.20	Intersect N. and S. line 2 lks S. of Cor to Secs. 3, 4, 9 and 10.
	Thence I run- Over Mountains-
	N89°51' W. on a true line bet. Secs. 4 and 9
35.00	Gulch drains S.E.
40.10	Set Sand stone 18x7x4 ins. 12 ins in the ground for ¼ Sec. Cor. Marked ¼ on N. face and raised a mound of stone 2 ft. base. 1½ ft. high N. of cor. Pits impracticable
52.00	Spur ridge, bear N.E and S.W.
71.00	Gulch drains N.W.
80.20	The Cor. to Secs. 4, 5, 8 and 9-
	Land Mountainous.
	Soil gravelly, rocky: 2nd and 4th rate
	Dense Oak undergroth
	Land Mountainous on 80.20 chs.
	Note- knowing from my connection with the E. bdy. of the Tp. that I will intersect the N bdy. of the Tp. W. of the Cor. to Secs. 32 and 33. Outside of the prescribed limits
	I run- Over Mountains
e Note 6. ge 1- Cor. notes	N 0° W on a true line bet. Secs. 4 and 5-
5.50	Water Hollow Creek 4 lks. wide 2 ins. deep flows S.W. Leave Mountains
	Thence over flat- and dense Oak brush-

Subdivisions T 13 S R 3 E

6.50 Road bears N.E. and S.W.

40.00 Set Quartzite Stone 15x8x7 ins. 10 ins in the ground for 1/4 Sec. Cor. Marked 1/4 on W face and raised a mound of stone 2 ft. base 1½ ft. high W. of cor. Pits impracticable-

80.05 Intersect N bdy. of the Tp. 4.35 chs. W. of the Cor. to Secs. 32 and 33. described in the Survey made by me July 11th 1895. where I set a Volcanic Stone 16x8x8 ins. 10 ins in the ground for Closing Cor. to secs. 4 and 5 Marked C.C. on S. With 4 grooves on E. and 2 grooves on W. faces. and raised a mound of stone 2 ft. base 1½ ft. high S of cor. ~~Pits impracticable~~ Pits impracticable

Land Mountainous - and flat -

Soil gravelly, rocky: 1st and 4th rate-

Land mountainous on 5.50 chs-

Dense oak brush undergrowth on 74.55 chs.

July 24th 1895-

July 25th 1895-

From the Cor. to Secs. 5. 6. 31 and 32 - on the S. bdy. of Tp. which is a Volcanic Stone 12x8x8 ins above ground - Marked with 5 notches on E. and 1 notch on W. edges and mound of Stone alongside -

From -

N 0°-30' W bet Secs. 31 and 32

Over Mountains -

See Note 6- Pa 1- Cer. Note

25.00 High ridge bears N.E. and S.W.

40.00 Set Volcanic Stone 15x8x8 ins. 10 ins. in the ground for 1/4 Sec. Cor. Marked 1/4 on W. face and raised a mound of Stone 2 ft. base 1½ ft. high W. of cor. Pits impracticable

From which a cedar 6 ins. diam. bears S 47° 30' E 30 lks. dist. Marked 1/4 S.B.T.

A cedar 8 ins diam bears S 30°-45' W 85 lks dist. Marked 1/4 S. B.T.

0.50 Small gulch drains N.W.

53.50 Hollow drains S.W.

72.00 Spur ridge bears N.E. and S.W.

— 80.00	Set Volcanic Stone 12x7x6 ins. 8 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 and raised a mound of stone 2 ft. base, 1½ ft. high W. of Cor. Pits impracticable – From which a cedar 12 ins. diam. bears N 36° E 45 lks. dist. Marked T. 13 S. R. 3 E. S 30 B.T. A cedar 6 ins. diam bears S 24° W 90 lks dist. Marked T. 13 S. R. 3 E. S. 31 B.T. Land Mountainous Soil gravelly, rocky: 2nd and 4th rate Sage brush and scattering cedars – Land Mountainous on 80.00 chs.
	N 89° 55' E on a random line bet. Secs. 29 and 32
40.00	Set Temp. ¼ Sec. Cor.
80.10	Intersect N. and S. line 2 lks N. of Cor to Secs. 28, 29, 32 and 33.
	Thence North
	S 89° 56' W on a true line bet Secs 29 and 32
1.25	Gulch draws S.E.
14.00	Top of high ridge bears S 40° W and N.E.
18.00	Gulch draws S.W.
40.05	On S.W. point of ridge bears N.E. Set Volcanic Stone 18x12x6 ins 12 ins in the ground for ¼ Sec. Cor. Marked ¼ on on N. face and raised a mound of stone 2 ft. base 1½ ft. high N. of Cor. Pits impracticable
51.00	Gulch draws S.W.
56.00	Top ridge bears N. and S.
60.00	Gulch draws S
71.50	Gulch draws S
76.50	Ridge bears N. and S.
— 80.10	The Cor. to Secs. 29, 30, 31 and 32 Land Mountainous Soil rocky, 4th rate Sage brush Land mountainous 80.10 chs.

Subdivisions T. 18 S., R. 3 E.

Chains	
	July 25th 1895. At 10h 30m A.M. I met the dependent resurvey of Sec. 29 on the East and West boundary between Secs. 29 and 32 and determined a true meridian with the witness corner to Secs. 29, 30, 31 and 32.
	Thence I run
	S 89° 55' W on a random line between Secs. 30 and 31
40.00	Set Temp. Cor. between Secs. 30 and 31
79.93	Intersect W. bdy. of Pp. 7 exc. S. at the Cor. to Secs. 25, 30, 31 and 36 - which is a Quartzite Stone 8 x 7 x 6 above ground Marked with 1 notch on S. and 6 notches on N. edge and mound of stone
	Thence I run -
	N 89° 58' E. on a true line between Secs. 30 and 31
	Over flat and dense sage brush
7.00	Road bears N.E. and S.W.
9.60	Road bears N. and S.
17.50	Road bears N.E. and S.W.
29.93	Set Volcanic Stone 14 x 12 x 6 ins. 10 ins. in the ground for 1/4 Sec. Cor. Marked 1/4 on N. face and raised a mound of stone 2 ft. base 1 1/2 ft. high N. of Cor. Pits right and left
1.00	Enter Mountains bears N. and S.
19.93	The Cor. to Secs. 29, 30, 31 and 32 -
	Land flat and Mountainous
	Soil gravelly, rocky, 1st and 4th rate -
	Dense sage brush undergrowth on 79.93 chs.
	Mountainous N. 19.93 chs.

July 25th At this Cor. I set Iff 19.36 N. on the dependent resurvey and at 12 from observe the sun on the meridian the resulting lat is 39° 39' N

	N 0° 6' W between Secs. 29 and 32.
15.75	Road bears N.E. and S.W.
21.50	Willow Drains S.W.
40.00	Set Volcanic Stone 12 x 12 x 12 ins. 8 ins. in the ground for 1/4 Sec. Cor. Marked 1/4 on N. face and raised a mound of stone 2 ft. base 1 1/2 ft. high N. of Cor. Pits intersect Stone Witness a cedar 16 ins. diam. bears N 87° E. 12 lks. dist. Marked 1/4 S.B.T.
41.00	S.W. bank of ridge bears N.E.
	Enter Cedars
71.00	Cedars bears S.W.
80.00	Leave Cedars -

See Note 6 - Pp 1 - Cor Note

Chains	
80.00	Set Volcanic Stone 18 x 8 x 6 ins. 12 ins. in the ground for Cor to Secs 19. 20. 29 and 30 - marked with 2 notches on S. and 5 not on E. edges. and raised a mound of Stone 2 ft. base 1½ ft. high W. of Cor.
	Pits impracticable.
	Land Mountainous
	Soil gravelly. rocky: 2nd and 4th rate
	Sage brush -
	Cedars on 13.00 chs.
	Land Mountainous on 80.00 chs.
	N 89° 56' E. on a random line bet Secs. 20 and 29
40.00	Set temp ¼ Sec. Cor.
79.85	Intersect N. and S. line 50 lks N of the Cor. to Secs 20. 21. 28 and 29.
	Thence I run
	N 89° 43' W. on a true line bet Secs 20 and 29
11.00	Gulch drains S.W.
15.50	Rocky ridge bears N.E and S.W.
20.50	Deep gulch drains S.W.
25.00	Ridge bears N and S.
39.92½	Set Volcanic Stone 12 x 8 x 6 ins. 8 ins in the ground for ¼ Sec. Cor. Marked ¼ on N. face and raised a mound of Stone 2 ft. base 1½ ft. high N. of Cor. Pits impracticable -
42.00	Gulch drains S.
46.00	Ridge bears N. and S.
51.00	Gulch drains S.
63.00	Ridge bears N.W. and S.E.
74.60	Gulch drains S.W.
79.85	The Cor. to Secs. 19. 20. 29 and 30
	Mountainous
	Soil rocky: 4th rate
	Sage and oak brush
	Land Mountainous on 79.85 chs.
	S 89° 58' W. on a random line bet Secs. 19 and 30.
40.00	Set temp ¼ Sec. Cor.
79.77	Intersect W bdy. of Tp. at the Cor to Secs.

Subdivisions T. 13 S. R. 3 E.

Chains 19, 24, 25 and 30. described in the Survey
Made by me July 2nd 1895-
Thence I run. Over Mountains
N. 89°-58' E. on a true line bet Secs 19 and 30
4.75 Ridge bears N.E. and S.W.
10.75 Gulch drains S.W.
65.00 Ridge bears N.E. and S.W.
39.77 Set Volcanic Stone 14x10x8 ins. 10 ins in the ground for 1/4 Sec. Cor. Marked 1/4 on N. face and raised a mound of stone 2ft. base 1½ ft. high N. of cor. Pits impracticable-
45.00 Gulch drains S.W.
50.00 Road bears N.E. and S.W.
76.00 High ridge bears N.E. and S.W.
79.77 The Cor. to Secs. 19. 20. 29 and 30.
Land Mountainous
Soil rocky; 4th rate
Some sage brush undergrowth
Land Mountainous on 79.77 Chs.
July 25th 1895

July 26th 1895-
N 0°-30' W bet. Secs. 19 and 20,
12.00 Top of ridge bears N W and S E
40.00 Set Quartzite stone 12x8x8 ins. 8 ins in the ground for 1/4 Sec. Cor. Marked 1/4 on W. face and raised a mound of stone 2ft. base 1½ ft. high W. of Cor. Pits impracticable-
60.00 Ridge bears E. and W.
80.00 Set a Volcanic stone 12x8x8 ins 8 ins in the ground for Cor. to Secs 17. 18. 19 and 20 M with 3 Notches S and 5 notches on E. edges. and raised a mound of stone 2ft. base 1½ ft. high W. of Cor. Pits impracticable.
Land Mountainous
Soil rocky, 4th rate
Some and Oak brush.
Land Mountainous on 80.00 chs.

Note 6 - Pa
1 - Cor. Note

Chains	
	S 89°43' E on a random line bet Secs. 17 and 20.
40.00	Set Temp 1/4 Sec. Cor.
79.50	Intersect N and S line 9 lks. N. of the Cor to Secs. 16. 17. 20 and 21
	Thence I run
	N 89°39' W on a true line bet. Secs. 17 and 20.
39.40	Road bears N E and S.W.
39.75	Set Quartzite Stone 14 x 8 x 6 ins. 10 ins in the ground for 1/4 Sec. Cor. Marked 1/4 on N. face and raised a mound of stone 2 ft. base. 1 1/2 ft. high N. of Cor. Pits impracticable -
46.75	Road bears N E and S.W.
54.20	Hollow drains N.W.
79.50	The Cor. to Secs. 17. 18. 19 and 20.
	Land mountainous
	Soil gravelly: 2nd rate
	Oak brush -
	Land mountainous on 79.50 chs.

July 26th 1895. At 10h. A.M. L.M.T. I set off 39°40 N on the lat arc: 19°-24' N on the decl arc: and determine a true meridian with the solar at the Cor. to Secs. 17. 18. 19 and 20 -

Thence I run

	S 89°58' W on a random line bet Secs 18 and 19
40.00	Set Temp 1/4 Sec. Cor.
80.09	Intersect W. bdy. of Tp. 16 lks N. of Cor. to Secs. 13. 18. 19 and 24 - described in the survey made by me July 2nd 1895 -
	Thence I run
	N 89°51' E. on a true line bet Secs. 18 and 19
4.00	Gulch drains S.E.
22.60	Road bears N.E. and S.W.
23.25	Hollow drains. S.W.
24.50	Road bears N.E. and S.W.
40.09	Set Volcanic Stone 14 x 12 x 8 ins 10 ins in the ground for 1/4 Sec. Cor. Marked 1/4 on N. face and raised a mound of stone 2 ft. base: 1 1/2 ft. high N. of Cor. Pits impracticable -
42.50	Ridge bears N.E. and S.W.
80.09	The Cor. to Secs. 17. 18. 19 and 20

Subdivisions T. 13 S. R. 3 E.

Chains Land Mountainous
Soil gravelly, rocky: 2nd and 4th rate
Dense Sage and oak brush.
Land Mountainous on 80.00 chs.
only 26th at this Cor I set off 19°13' N on the decl. arc, and at 12h noon observe the sun on the meridian The res. 3°40' N

N 0° 5' W. bet Secs. 17 and 18 — note 6-Pa 1- Cor. Notes
Over Mountains
5.00 Hollow drains S.W. Road bears N.E. and S.W.
15.00 Spur ridge bears N.E. and S.W.
40.00 Set Volcanic Stone 16x12x7 ins 10 ins in the ground for 1/4 Sec. Cor. Marked 1/4 on W face and raised a mound of stone 2 ft. base: 11 ft. high W. of Cor. Pits impracticable -
53.00 Gulch drains S.W.
69.25 Ridge bears N.E. and S.W.
79.00 Gulch drains N.W.
80.00 Set Volcanic Stone 24x12x10 ins 18 ins in the ground for Cor. to Secs. 7. 8. 17 and 18. Marked with 4 notches on S. and 5 notches on E. edges and raised a mound of stone 2 ft. base: 1 1/2 ft. high W. of Cor. Pits impracticable
Land Mountainous
Soil rocky: 4th rate
Oak brush
Land Mountainous on 80.00 chs.

S 89° 39' E on a random line bet. Secs 8 and 17
40.00 Set temp 1/4 Sec. Cor.
79.80 Intersect N and S line 33 lks S of Cor to Secs. 8. 9. 16 and 17.
Thence I run - Over Mountains -
N 89° 53' W. on a true line bet. Secs 8 and 17.
8.00 High ridge bears S.W. and N.E.
34.00 Ridge bears N.W. and S.E.
39.90 Set Quartzite Stone 14x6x6 ins. 10 ins in the ground for 1/4 Sec. Cor. Marked 1/4 on N. face and raised a mound of stone 2 ft. base: 1 1/2 ft. high N. of Cor.
Pits impracticable
52.50 Gulch drains N.W.

Subdivisions T. 13 S. R. 3 E.

Chains	
58.00	Ridge bears N.W. and S.E.
— 79.80	The Cor. to Secs 7. 8. 17 and 18.
	Land Mountainous
	Soil gravelly rocky: 2nd and 4th rate
	Dense brush undergrowth
	Land Mountainous on 79.80 chs.
	July 26th 1895.

July 27th 1895.

S. 59° 51' W. on a random line bet Secs. 7 and 18

40.00	Set Temp ¼ Sec. Cor.
80.15	Intersect W. bdy. of Sp. 21 lks S of Cor to Secs 7. 12. 13 and 18. Set by me in the Survey of July 2nd 1895.

Thence E. on true line bet Secs. 7 and 18

Over Mountains

29.00	N. point of ridge bears S.W.
38.50	Gulch drains N.
40.15	Set volcanic stone 15 x 14 x 11 ins. 10 ins. in the ground for ¼ Sec. Cor. Marked ¼ on N. face and raised a mound of stone 2 ft base 1½ ft. high N. of cor. Otis impracticable.
50.00	Ridge bears N.W. and S.E.
62.00	Gulch drains N.W.
75.00	N.W. point of ridge bears S.E.
78.00	Gulch drains N.W.
— 80.15	The Cor. to Secs. 7. 8. 17 and 18
	Land Mountainous
	Soil gravelly rocky: 2nd and 4th rate
	Oak brush
	Land Mountainous on 80.15 chs.

i note 6.
age 1 - Cor. Notes.

N. 0° 5' W. bet Secs. 7 and 8

7.50	Ridge bears N.E. and S.W.
23.40	Water Hollow Creek 4 lks wide 2 ins deep flows S.W. In hollow
25.50	Road bears N.E. and S.W.
40.00	Set Volcanic Stone 24 x 12 x 6 ins. 18 ins in the ground for ¼ Sec. Cor. Marked ¼ on N. faci

Subdivision T. 13 S. R. 3 E.

Chains and raised a mound of stone 2 ft. base 1½ ft. high W. of Cor. Pits impracticable
40.50 Ridge bears N.W. and S.E.
49.00 Gulch drains S.E.
80.00 In head of Gulch drains S.E. Set Volcanic Stone 12x12x6 ins 8 ins in the ground for Cor. to Secs. 5. 6. 7 and 8 Marked with 6 notches on S and E. edges and raised a mound of stone 2 ft. base, 1½ ft. high W. of Cor. Pits impracticable –
Land Mountainous
Soil rocky. 4th rate
Oak brush
Land Mountainous on 80.00 chs.

July 27th 1895. At 10h a. M. L. M. T. I set 39-42' on the Lat arc: 19°-11' N on the decl. arc: and determine a true meridian with the Solar at the Cor. to Secs. 5. 6. 7 and 8.

Thence I run

S. 89°-58' E on a random line bet. Secs. 5 and 8
40.00 Set Temp. ¼ Sec. Cor.
80.03 Intersect N and S line 2 lks S. of the Cor. to Secs. 4. 5. 8 and 9

Thence I run

S. 89°-58' W on a True line bet. Secs. 5 and 8
6.00 Water Hollow Creek 4 lks wide 2 ins deep – in Water Hollow flows SW.
7.20 Road bears NE and SW.
21.25 Ridge bears N. and S.
The N.W. Cor. of Ericksons Corral bears S 43°-38' W
The N.W. Cor of " Wool house " S 39°-24' W
30.00 Spring branch 2 lks wide 1 in. deep. in hollow flows S.
31.75 Road bears N. and S.
40.01½ Set Volcanic Stone 18x8x8 ins. 12 ins in the ground for ¼ Sec Cor. Marked ¼ on N. face and raised a mound of stone 2 ft. base, 1½ ft. high N. of Cor. Pits impracticable
60.00 Ridge bears N. and S.
6.70 Gulch drains S.

79.90 ... ...
N.W. " " " Wool house " S.49°51'E.
— 80.03 The cor. to Secs 5.6.7 and 8
Land Mountainous
Soil gravelly. rocky: 2nd and 4th rate
Oak brush
Land Mountainous 80.03 Chs.
July 27th At this cor I set off 19°10' on the deel arc and at 12h observe the sun in the ... is 3°

West on a random line bet Secs 6 and 7
40.00 Set temp 1/4 Sec. cor.
80.47 Intersect W. bdy. of Tp. 26 lks N of Cor to 1.6.7 and 12 - Set by me in the Survey of July 2nd 1895 -
Thence from
N 89°49'E. on a true line bet. Secs. 6 and 7
Over Mountains
32.00 Gulch drains S.
39.00 Ridge bears N.E. and S.W.
40.47 Set Volcanic Stone 16x8x5 ins. 10 ins in the ground for 1/4 Sec. Cor. marked 1/4 on N. fo and raised a mound of stone 2 ft. base. 1½ ft. high N. of Cor. Pits impracticable -
63.50 Gulch drains S.W.
73.00 Ridge bears N and S
— 80.47 The Cor to Secs. 5.6.7 and 8.
Land Mountainous
Soil rocky: 4th rate -
Sage brush
Land Mountainous on 80.47 Chs.

Note - Knowing from my connection with the E bdy. of the Tp. that I will intersect the N bdy of the Tp W of the Cor to Secs 31 32. T 12 S R 3 E outside of the prescribed limits

From
N 0° 5' W on a true line bet. Secs. 5 and 6.
5.00 Ridge bears N.W. and S.E.
14.50 Gulch drains S.E.
36.00 Ridge bears N.W and S.E.

See Note 6 - page 1. Cor. Notes.

Subdivisions T. 13 S. R. 3 E.

Chains
40.00 Set volcanic stone 15x8x6 ins 10 ins in the ground for ¼ Sec Cor. Marked ¼ on W face and raised a mound of stone 2 ft. base. 1½ ft. high W. of cor. Pits impracticable -
49.00 Gulch drains W.
54.00 Ridge bears NE and SW
68.00 Gulch drains E.
80.25 Intersect the N. bdy. of the Tp. 385 chs W. of a Cor. to Secs 31 and 32. T. 12 S. R. 3 E. described in the survey made by me July 10th 1895 - where I set a Quartzite stone 16x10x7 ins 11 ins the ground for closing Cor. to Secs. 5 and 6. Marked C.C. on S. with 5 grooves on E 1 groove on W. edges and raised a mound of stone 2 ft. base. 1½ ft high S. of cor.
Pits impracticable
Land mountainous
Soil gravelly, rocky: 2nd and 4th rate
Dense sage brush undergrowth
Land mountainous on 80.25 chs
July 27th 1895 -

General Description

This township is mountainous. The soil is gravelly, and rocky, and rang from 1st class to 4th class. There is some good land in Secs. 1, 2, 11, 12, and 14, and Secs. 23, 26, 27 and 22, upon which settlements will probably be made, upon the approval of the survey. There is also son good land in Secs. 4 and 8. along Water Hollow Creek -

The whole Township is used exter
Sheep, and C

Subdivision T 12 S R 3 E.

Chains

and in Sec. 8 is a large Pulp showing Corral and wool house.-

There are several Springs in the Township and several small Spring branches. Water Hollow Creek a Stream about 4 lks wide and 2 ins deep raises in T 12 S R 3 E and flows Southwesterly through Secs 4. 5. 8 and 17. There is also a small Spring branch which flows southerly through Sec. 8 to Junction of Water Hollow creek.

There is some cedar timber in the South easterly portion of the Township. The Northerly and Westerly portion of the township is covered with a dense growth of Oak underbrush.

Ole. C Anderson has a claim in Secs. 15 and 22. and about 30 acres under fence and cultivation in the N.E. 1/4 of Sec 22. his Claim consists of the S 1/2 of the S.E. 1/4 of Sec. 15. the N.E. 1/4 and the N/2 of the S.E 1/4 of Sec 22. His grazing is irrigated by water from Springs in Secs. 15 and 22.-

There are numerous other desert entrymen, and applicants for survey, as appears from the special instructions accompanying this contract but with the exception of Ole C. Anderson's claim. I am unable to find any evidence of settlement or cultivation.

Henry Fitzhugh
Nicholas Fitzhugh
U.S. Dept. Surveyors

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Correction Notes

Subdivisions T. 13 S. R. 3 E.

Note No.	
1	This spring branch is about 1 link wide.
2	This is a clerical error. Should be N. 0°1' W.
3	This is a clerical error. Should be N. 0°2' W.
4	This spring branch is about 1 link wide.
5	This spring branch is about 2 lks. wide
6	This is a clerical error. Should be N. 0°3' W.

Henry Fitzhugh
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U. S. Deputy Surveyors.

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List of Names.

A list of the names of the individuals employed by Henry Fitzhugh and Nicholas Fitzhugh, U. S. Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the survey of the Subdivisional lines of Tp. 13 S. R. 3 E.

Salt Lake Meridian, in Utah Territory, showing the respective capacities in which they acted:

Ole C. Anderson	Chainman
Niels Anderson.	"
Nephi Anderson.	Axeman
George Anderson	"

Final Oath of Assistants:

We hereby certify that we assisted Henry Fitzhugh and Nicholas Fitzhugh, U. S. Deputy Surveyor, in surveying all those parts or portions of the Subdivisional lines of Tp. 13 S. R. 3 E.

Salt Lake Meridian, Utah Territory, 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 U. S. Surveyor General for

Ole C. Anderson	Chainman
Niels Anderson	"
Nephi Anderson	Axeman
George Anderson	"

Subscribed and sworn to before me this 27th day of July, 1895.

SEAL

Reed R. Llewellyn
Notary Public

6—161

Commission expires March 21st 1896

solemnly swear that, in pursuance of instructions received from George M., U. S. Surveyor General for Utah Territory, bearing date of the 8th day of March, 1895, I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the U. S. Surveyor General for Utah, the surveying manual, and the laws of the United States, surveyed all those parts or portions of Subdivisional lines of Township Thirteen South Range Three East Salt Lake 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 U. S. Surveyor General for Utah, and in the specific manner 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.

Henry Fitzhugh
Nicholas Fitzhugh
U. S. Deputy Surveyors

Subscribed and sworn to before me this 19th day of December, 1895

SEAL

George Sutton
U.S. Surveyor General

Approval.

Office of the U. S. Surveyor General,
Salt Lake City, Utah, June 25, 1896

The foregoing field notes of the survey of the Subdivisional lines of Township 13 South Range 3 East Salt Lake Meridian in the Territory of Utah executed by Henry Fitzhugh and Nicholas Fitzhugh under their Contract No. 500, dated March 8th, 1895, having been critically examined, the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

U. S. Surveyor General.

I certify that the foregoing transcript of the field notes of the above-described surveys in _____, has been correctly copied from the original notes on file in this office.

U. S. Surveyor General.

6—161

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(4—679.)

BOOK A-240

FIELD NOTES

OF THE SURVEY OF

of the South and East boundaries
of Tp. 12 S. R. 1 E.

Of the Salt Lake Meridian,

Territory of Utah

AS SURVEYED BY

Schlaugh and Nicholas Schlaugh, U. S. Deputy Surveyors,

under his Contract No. 200, dated March 8th 1895

survey commenced July 29th, 1895.

survey completed July 31st 1895

(12503—2,000.)

4.01.35
32.75

Jesse Coulson	Chairman
Arthur Jenkins	"
Samuel Coulson	Freeman
Albert Coulson	"

BOOK A-240

INDEX DIAGRAM.

Township 12 S., *Range* 1 E.

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31	32	33	34	35	36

Meanders Page.....

BOOK A-210

Preliminary Oaths of Assistants.

We, Jesse Coulson and Arthur Jenkins

do solemnly swear that we will well and faithfully execute the duties of chain carriers; that we will level the chain over even and uneven ground, and plumb the tally-pins either by sticking or dropping the same; that we will report the true distance to all notable objects, and the true lengths 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 Fractional South and East boundaries of T. 12 S. R. 1 E.

Jesse Coulson, Chainman.

Arthur Jenkins, Chainman.

, Chainman.

, Chainman.

Subscribed and sworn to before me this 29th day of July, 1895.

T. C. Winn. Notary Public

My Comy. Exp. apl. 11/1894

We, Samuel Coulson and Albert Coulson

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 Fractional South and East boundaries of T. 12 S. R. 1 E.

Subscribed and sworn to before me this 29th day of July, 1895.

Samuel Coulson, Axeman.

Albert Coulson, Axeman.

T. C. Winn. Notary Public

My Comn. Exp. apl. 11/1894

6—151

South Bdy. T. 12 S. R. 1 E.

Chs. Survey commenced July 29 - 1895 -
a W. & L. E. Gurley light mountain solar transit. The horizontal limb is provided with two vernies placed opposite to each other, reading to single minutes, which is also the least count of the vernies of the latitude and declination arcs.
The instrument was examined, tested on the true meridian at Salt Lake City, found correct, and was approved by the Surveyor General for Utah October 16th 1894.
Examine the adjustments of the transit, and find it to be correct; then to test the solar apparatus during a.m. and p.m. hours with a true meridian determined by observations on Polaris, I proceed as follows.
July 29th at 3½ p.m. L.M.T.
at the corner to Tps. 12 & 13 S. Rs. 1 E. 39°43' N., longitude 111°47' W. I set off 39°43' N. on the lat. arc; 18°40' N. on the Decl. arc. and determine with the polar a true meridian, and mark a point on a picket set firmly in the ground 5.00 Chs. N. of the Cor.
at 10h 55m p.m. L.M.T. I observe Polaris at Eastern elongation, in accordance with manual of instructions, and mark a point on the line thus determined on a picket driven in the ground 5.00 Chs. N. of my station.
July 29th 1895

July 30. 1895 At 7h a.m. L.M.T. I lay off the azimuth of Polaris 1°38' to the West and mark the true meridian by cutting a groove in the picket set July 29th on which the true meridian falls at the mark determined the polar.

South boundary T. 12 S. R. 1 E.

Chs. At 7h 15m A.M. L.M.T. I set off 18°30' N. on the decl. arc; 39°43' N. on the lat. arc and mark a point in the true meridian determined with the solar by a groove in the picket set N. of my station; this mark falls 0.3 ins. west of the true meridian established by the Polaris observation. The solar apparatus by P.M. observation agrees with the Polaris observation and the A.M. observation fall 0.16" west. I therefore conclude the solar apparatus is in adjustment.
The magnetic bearing of the true meridian at 7h 30m A.M. is N 16°45' W; the angle thus determined, reduced by table page 100, gives the mean mag. Decl. 16°39' East.

Note.
The line between Secs. 35 and 36 1 and 2 on the S. bdy. of this Tp. being run as an offset line about 1/2 mil S., I run this line.
Therefore from the Cor. to Tps. 12 and 13 S. Rs. 1 E. which is a sandstone 12×14×4 ins. above ground, marked with 6 notches on N, S, E and W. edges and mound of stone alongside. I run.
West on a random line along the S. bdy. of Tp. 12 S. R. 1 E. setting temp. 1/4 Sec. and Sec. Cors. at each 40.00 Chs. and at 160.10 Chs. intersect the Cor. to Secs. ~~1, 2, 35 and 36~~ T. 12 S. R. 1 E. which is a limestone 10×10×4 ins above ground, marked with 2 notches on E. and 4 notches on W. edges with stone mound alongside.
Thence I run over mountains.
S. on a true line bet. Secs. 2 and 35

3.00 Top of mound.
11.00 Gulch drains S.W.
13.50 Ridge bears S.W. and N.E.
23.00 Gulch drains S.W.

Note 1 - Page 1 Notes.

South boundary T. 13 S R. 1 E.

33.90 On account of 1/4 Sec. Cor. coming on steep hill side covered with slide rock.
On ridge bears N.W. and S.E. Set a limestone 14×8×6 ins. 10 ins. in the ground for witness 1/4 Sec. Cor. marked 1/4 on N. face with W.C. and raised a mound of stone 2 ft. base 1½ ft. high N. of Cor.
Pits impracticable
40.10 The point for 1/4 Sec. Cor. falls on steep hill side + rock slide.
42.00 Ridge bears S.W. and N.E.
54.00 Gulch drains S.W.
66.00 Ridge bears S.W. and N.E.
74.00 Gulch drains S.W.
80.10 Set limestone 24×15×4 ins. 18 ins. in the ground for Cor. to Secs. 1, 2, 35 and 36. marked 1 notch on E. and 5 notches on W. edges and raised a mound of stone 2 ft. base 1½ ft. high N. of Cor. Pits impracticable. See note 2 Page 1. Cor. No
Land Mountainous
Soil rocky, 4th rate
Bare rocky slopes.
Land mountainous on 80.10 chs.

July 30. At the Cor. to Secs. 1, 2, 35 and 36 I set off. 18°27' N. on the decl. arc. and observe the sun on the meridian, the resulting lat. is 39°43' N.
Thence I run.
E. bet. Secs. 1 and 36.
over mountains.
5.50 Ridge bears N and S.
18.00 Gulch drains S.
20.90 " " S.
30.00 Ridge bears N + S.
40.00 On top of shale bluff.
Set shale stone 15×10×4 ins. 10 ins. in the ground for 1/4 Sec. Cor. marked 1/4 on N. face, and raised a mound of stone 2 ft. base 1½ ft. high N. of Cor. Pits impracticable
49.00 Deep gulch drains S.W.
58.25 Spur ridge bears N.E. and S.W.
65.5 Enter

East boundary of T. 12 S. R. 1 E.

Chs.	
66.50	Road bears N.E. and S.W.
71.25	" " N.E. and S.W.
	Enter cultivated land.
74.00	Leave cultivated land and flat.
74.75	Creek 3 lks. wide 2 in. deep flows S.W.
80.00	On ridge bears N.E. and S.W.
	The Cor. to Sps. 12 and 13 S. R. 1 E.
71.25 / 8.75	Land Mountainous and flat.
	Soil 4th and 1st rate, rocky, gravelly.
	Oak brush.
	Land Mountainous on 71.25 Chs.
	July 30th 1895

July 31st 1895.

From the Cor. to Sps. 12 and 13 S. Rs. 1 E. described in my survey of July 30. 1895. I run

N. bet. Secs. 31 and 36.

Over Mountains.

2.50	Enter broad canon draws S.W.
15.50	Road bears N.E. and S.W.
25.00	Creek 3 lks. wide 3 in. deep flows S.W.
25.75	I am unable to find any trees of the N.W. corner of Sp. 13 S. R. 2 E. after careful search.
29.00	Irrigating ditch flows S.W.
32.50	Leave Canon - Enter Mountains bear N.E. and S.W.
40.00	Set Sandstone 12+8+8 ins - 8 ins. in the ground for 1/4 Sec. Cor. marked 1/4 on W. face and raised a mound of Stone 2 ft. base 1 1/2 ft. high W. of Cor. Pits impracticable.
54.00	Ridge bears N.E. and S.W. Thence along W. Slope of ridge.
80.00	Set Sandstone 12+12+5 ins - 8 ins. in the ground for Cor. to Secs. 25 and 36. marked 1 notch on S. and 5 notches on N. edges, and raised a mound of Stone 2 ft. base 1 1/2 ft. high W. of Cor. Pits impracticable.
50.00 / 30.00	Land Mountainous and flat.

East boundary Tp. 12 S. R. 1 E.

Chains Soil rocky, gravelly. 4- and 1st rate.
Dense Oak brush
Land Mountainous on 50.00 chs.

July 31st, at the cor. to Secs. 25 and 36 I set off 18° 12' N. on the dec. arc. and observe the Sun on the Meridian - The resulting lat. is 39° 44' N.
Thence I run.
N. bet. Secs. 25 and 30.
16.00 Head of Gulch drains S.W.
40.00 Set Sandstone 18x10x4 ins. - 12 ins. in the ground for 1/4 Sec. Cor. Marked 1/4 on W. face, and raised a mound of stone 2 ft. base 1½ ft. high W. of Cor.
Pits impracticable
45.50 Ridge trees S.W. and N.E.
53.60 Gulch drains E.
58.00 Ridge trees N.W. and S.E.
79.00 Gulch drains S.E.
80.00 Set Limestone 24x12x7 ins. - 18 ins. in the ground for Cor. to Secs. 24 and 25, Marked 2 notches on S. and 4 notches on N. edges and raised a mound of Stone 2 ft. base 1½ ft. high W. of Cor.
Pits impracticable
Land Mountainous.
Soil rocky, gravelly 4th and 1st rate
Dense oak brush.
Land Mountainous on 80.00 chs.

July 31 at 3½ p.m. I set off 18° 11' N. on the dec. arc.; 39° 45' N. on the lat. arc. and determine with the Solar a true meridian at the Cor. to Secs. 24 and 25.
Thence I run
N. bet. Secs. 19 and 24
19.00. Ridge trees N.W. and S.E.
36.00 Gulch drains S.E.
40.00 Set limestone 14x12x7 ins. - 10 ins. in the ground for 1/4 Sec. Cor. Marked 1/4 on

150 East boundary Tp. 12 S. R. 1 E.

Chs.	W. face and raised a mound of stone 2 ft. base 1½ ft. high W. of Cor. Pits impracticable. Note on account of high broken mountains, I discontinue this line. Land Mountainous Soil 4th and 2nd rate, rocky, gravelly. Dense oak brush. Land Mountainous on 40.00 chs. July 31st 1895
	For general description see end of subdivision notes of this township. Henry Fitzhugh Nicholas Fitzhugh U. S. Dep. Surveyors.

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Section Notes
and East boundaries T. 12 S. R. 1. E.

Note No.

1 This is a clerical error.
Shewed by Secs. 2, 3, 34 and 35

2 This is a clerical error.
mound will be found on the W. side
of the Cor. in the field.

Nicholas Fitzhugh
Henry Fitzhugh
U.S. Deputy Surveyors.

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BOOK A-240

List of Names.

A list of the names of the individuals employed by Henry Fitzhugh and Nicholas Fitzhugh, U. S. Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the survey of the Fractional South and East boly. of Sec. 12 S. R. 1 E.

Salt Lake Meridian, in Utah Territory, showing the respective capacities in which they acted:

Jesse Carlson	Chainman
Arthur Jenkins	"
Samuel Carlson	Axeman
Albert Carlson	"

Final Oath of Assistants:

We hereby certify that we assisted Henry Fitzhugh Nicholas Fitzhugh, U. S. Deputy Surveyor, in surveying all the parts or portions of the Fractional South and East boly of T. 12 S. R. 1 E.

Jesse Carlson
Arthur Jenkins
Samuel Carlson
Albert Carlson

Salt Lake Meridian, Utah Territory, as are represented in the foregoing field notes as having been surveyed by ~~him~~ them 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 U. S. Surveyor General for Utah.

Jesse Carlson Chainman
Arthur Jenkins "
Samuel Carlson Axeman
Albert Carlson "

Subscribed and sworn to before me this 2nd day of August, 1895

SEAL

T. C. Nunn, Notary Public
Juab County U. T.

My Comm. Exp. Apl. 11/1897

6—151

Final Oath of U. S. Deputy Surveyor.

We I, Henry Fitzhugh and Nicholas Fitzhugh, U. S. Deputy Surveyors, d solemnly swear that, in pursuance of instructions received from George W. Snow, U. S Surveyor General for Utah, bearing date of the 8th day o March, 1895, We I have well, faithfully, and truly, in our ~~my~~ own proper persons, and in strict conformity with the instructions furnished by the U. S. Surveyor General for Utah, th surveying manual, and the laws of the United States, surveyed all those parts or portions of the South and East bdys. of Tp. 12 S. R. 1 E.

Salt Lake Meridian, in the Territory of Utah, as are represented in the fore going field notes as having been surveyed by ~~me~~ us, and under ~~my~~ our directions; and ~~I~~ we do further solemnly swear that al the corners of said survey have been established and perpetuated in strict accordance with the surveying manua printed instructions, the special written instructions of the U. S. Surveyor General for Utah and in the specific manner described in the field notes, and that the foregoing are the true field notes of such survey and should any fraud be detected, ~~I~~ we will suffer the penalty of perjury under the provisions of an Act of Congre approved August 8, 1846.

Henry Fitzhugh
Nicholas Fitzhugh
U. S. Deputy Surveyor.

Subscribed and sworn to before me this 19th day of December, 1895

SEAL

George W. Snow
U. S. Surveyor General

Approval.

Office of the U. S. Surveyor General,

Salt Lake City, Utah, June 28, 1896.

The foregoing field notes of the survey of the South & East Boundaries of Township 12 South Range 1 East of the Salt Lake Base & Meridian, Utah

executed Henry Fitzhugh and Nicholas Fitzhugh under his ~~their~~ Contract No. 200, dated March 8th, 1895, having been critical examined, the necessary corrections and explanations made, the said field notes, and the surveys they describe, a hereby approved.

George W. Snow
U. S. Surveyor General.

I certify that the foregoing transcript of the field notes of the above-described surveys in _____, has been correctly copied from the original notes on file in this office.

_____
U. S. Surveyor General.

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BOOK A-240
(4—679.)

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FIELD NOTES

OF THE SURVEY OF

The Subdivision lines of Tp. 12 S R. 1 E

Of the Salt Lake Meridian,

Territory of Utah

AS SURVEYED BY

Fitzhugh and Nicholas Fitzhugh U. S. Deputy Surveyors

r ~~his~~ their Contract No. 200, dated March 8th 1895

ey commenced August 1st, 1895

y completed " 2nd, 1895

12503—2,000.)

H 8.17.01 x

L 24.25 x

Names and Duties of Assistants.

Jesse Coulson	Chairman
Arthur Jenkins	"
Samuel Coulson	Assessor
Albert Coulson	"

BOOK A-240

INDEX DIAGRAM.

Township 12 S., *Range* 1 E.

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7 7 6 3
6 5 3
4 2
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Meanders Page.....

BOOK A-240

Preliminary Oaths of Assistants.

We, Jesse Coulson and Arthur Jenkins

do solemnly swear that we will well and faithfully execute the duties of chain carriers; that we will level the cha over even and uneven ground, and plumb the tally-pins either by sticking or dropping the same; that we will repo the true distance to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of o skill and ability, and in accordance with instructions given us in the survey of the Subdivis lines of T. 12 S. R. 1 E.

_____, Chainma

Jesse Coulson, Chainma

Arthur Jenkins, Chainma

_____, Chainma

Subscribed and sworn to before me this 29th day of July, 1895

T. C. Winn Notary Public

My Comm. Exp. Apl 11/1897

We, Samuel Coulson and Albert

do solemnly swear that we will well and truly perform the duties of axemen in the establishment of corners and duties, according to instructions given us, and to the best of our skill and ability, in the survey of the Subdivisions lines of T 12 S R 1

Subscribed and sworn to before me this 29th day of July, 1895.

Samuel m

Albert axen

T. C. Winn Notary Public

My Comm. Exp. Apl 11/1897

Subdivision of T. 12 S. R. 1 E.

Chains | Survey commenced August 1st 1895 with a W. & L. E. Gurley light mountain solar transit - The horizontal limb is provided with two verniers, placed opposite to each other, reading to single minutes of arc which is also the least count of the verniers of the latitude and declination arcs.
The instrument was examined, tests on the true meridian at Salt Lake City, found correct, and was approved by the surveyor general for Utah October 16th 1894
The instrument was tested with p. m. and a. m. solar observations on the meridian established by Polaris observation July 29. 1895 on July 29th and 30th. This meridian was ed at the Cor. to Tps. 12 and 13 S. Rs. 1 E. in the Survey of the South and East boundaries of this Tp. Therefore from the Cor. to Secs. 1, 2, 35 and 36 on the S. bdy. of this Tp. described by me in the Survey of July 30th 1895 Aug. 1st at 8h 15m a.m. L.m.t. I set off. 18° N on the decl. arc; 39°43' N. on the lat. arc. and determine a true meridian with the solar at this Cor.

I run

N. 0° 1' W. bet. Secs. 35 and 36.

18.00 Ridge over mountains bears N.W. and S.E.

22.00 Gulch drains S.E.

30.00 Spur ridge bears N.W. and S.E.

40.00 Set shale stone 14×8×6 ins - 10 ins. in the ground for 1/4 Sec. Cor. Marked 1/4 on W. face and raised a mound of stone 2 ft. base 1 ft. high W. of Cor.
Pits impracticable.

59.25 Gulch drains S.E.

60.00 Enter high plateau - Intersect S. line of Elizabeth Coulson's Claim. and Dense brush under rowth.

Subdivisions of T. 12 S. R. 1 E.

Ch.	
77.50	Old fence bears E and W.
80.00	Set limestone 8" x 24" ins - 12 ins in the ground for Cor. to Secs. 25, 26, 35 and 36. marked with 1 notch on S and E. edges, and raised a mound of stone 2 ft. base 1½ ft. high W. of Cor. Pits impracticable. Land mountainous and high plateau. Soil 1st and 4th rate gravelly, rocky. Oak and sage brush.
	Land Mountainous on. 60.00 chs. Dense sage brush undergrowth on 20.00 chs.
	E. on a random line bet. Secs. 25 and 36.
40.00	Set Temp. 1/4 Sec. Cor.
80.08	Intersect E. bdy. of Sp. 16 lks. N. of the Cor. to Secs. 25 and 36. described in my survey of July 31st 1895. Stones & Iron
	N. 89° 53' W. on a true line bet. Secs 25 and 36. over mountains
6.00	Gulch drains S.W.
15.00	Ridge bears N.E. and S.W.
25.00	Gulch drains S.W.
36.50	Ridge bears N. and S.
40.04	Set Sandstone 15" x 24" ins - 10 ins. in the ground for 1/4 Sec. Cor. Marked 1/4 on N. face and raised a Mound of Stone 2 ft. base 1½ ft. high N. of Cor. Pits impracticable
55.75	Gulch drains S. Entire high plateau and dense sage brush.
60.00	Intersect E. line of Elizabeth Consuelo Claim
80.08	The Cor. to Secs. 25, 26, 35 and 36 Land Mountainous and high plateau. Soil rocky, gravelly, 4th and 1st rate. Oak and sage brush.
	Land Mountainous on. 55.75 chs. Dense sage brush undergrowth on 24.33 chs.
	Aug. 1st at this Cor. I set off at 12 M noon

Subdivisions of T. 12 S. R. 1 E.

rains ~~lat. arc~~; 17°58'N. on the decl. arc. and serve the sun on the meridian, the resulting lat. is 39°44'N.

N. 0°1'W. bet. Secs. 25 and 26.
Over high plateau & dense sage brush
14.40 Enter cultivated land.
dense sage brush
20.00 Leave cultivated land.
Enter dense sage brush and oak brush.
34.50 Irrigating ditch flows S.W.
40.00 In flat wash. drains S.W.
Set limestone 20x10x10 ins - 15 ins. in the ground for 1/4 Sec. Cor. marked 1/4 on W and raised a mound of stone 2 ft. 1/2 ft. high W. of Cor.
Pits impracticable.
Intersect N. line of Elizabeth Coulson's Claim. Enter Mountains.
50.00 Leave flat wash.
Thence along E. edge of gulch drains S.
80.00 limestone 30x15x10 ins - 21 ins. in the ground for Cor. to Secs. 23, 24, 25 and 26, marked with 2 notches on S. and 1 notch on E. edges, and raised a mound of stone 2 base 1/2 ft. high W. of Cor.
74.40
5.60
Pits impracticable.
Land high platea and Mountainous.
Soil gravelly, rocky, 1st and 4th rate
sage brush and oak brush.
Land Mountainous on 40.00 chs.
Dense sage brush undergrowth on 34.40 chs.

S. 89°53' E. on a random line bet. Secs. 24 and 25
40.00 Set Temp. 1/4 Sec. Cor.
80.15 Intersect E. bdy. of Tp. 14 8 Ms. N. of the Cor. to Secs. 24 and 25 described by me in Survey of 31st 1895
Thence I run
89°4' W. on a true line bet. Secs. 24 and 25

Subdivisions of S. 12 S. R. 1 E.

1.25	drains S.E.
25.00	Ridge brass N.W. and S.E.
0.07½	Set limestone 14×6×6 ins - 10 ins. in the ground for ¼ Sec. Cor. Marked ¼ on N. face, and raised a Mound of Stone 2 ft. base 1½ ft. high. N. of Cor. Pits impracticable.
50.50	Enter gulch drains S.W.
55.00	Deep wash drains S.W.
57.00	Leave gulch.
70.00	Point of ridge brass S.W. and N.E.
80.15	The Cor. to Secs. 23, 24, 25 and 26. Land Mountainous Soil rocky, 4th rate Dense oak brush. Land mountainous on 80.15 Chs. August 1st 1895

August 2nd 1895

From the established Cor. to Secs. 26, 27, 34 and 35 which is a limestone 8×12×10 ins. above ground, marked with 1 notch on S. and 2 Notches on E. edges, and mound of Stone alongside.

Run

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

40.00	Set Temp. ¼ Sec. Cor.
80.43	Intersect N and S. line. 50 lks N. of the Cor. to Secs. 25, 26, 35 and 36.

Thence Run.

N. 89° 39' W. on a true line bet. Secs. 26 and 35

11.00	Road brass N.E. and S.W.
14.00	Ridge brass N.E. and S.W.
	Leave high Plateau, and dense sage brush undergrowth. Enter mountains. Road brass N.W. and S.E.
20.00	Intersect W. line of Elizabeth Carlson's claim.
22.50	Gulch drains N.W.
35.00	Ridge brass S.W. and N.E.
40.21½	Set a limestone 18×10×6 ins. - 12 ins. in the ground for ¼ Sec. Cor. Marked ¼ on N face, and raised a mound Stone 2 , base

Subdivisions of T. 12 S. R. 1 E.

1½ ft. high N. of Cor.
Pits impracticable
80.43 The Cor. to Secs. 26, 27, 34 and 35.
Land mountainous.
Soil gravelly, rocky 1st and 4th
Sage and oak brush.
Land mountainous on 66.43 Chs.
Dense sage brush undergrowth on 14.00 Chs.

August. 2nd
At the established ¼ Sec. Cor. bet. Secs. 26 and 27 at 9h 30m a.m. L.M.T. I set off 39°44'N on the lat. arc; 17°44'N on the decl. arc and determine a true meridian with the solar at this Cor. Therefore from the established ¼ Sec. Cor. bet. Secs. 26 and 27 which is a limestone 6×13×11 above ground marked ¼ on W. face and mound of stone alongside.
I run.
North 0°2'W. bet. Secs. 26 and 27. See note 1- Page 1 Cor. No.
45.00 Red Canon drains S.W.
52.50 No trace of Witness Cor. after diligent search.
80.00 I make diligent search for old Cor. but am unable to find any trace of it. On ridge bears N.E. and S.W. Set limestone 20×12×12 ins. 15 ins. in the ground for Cor. to Secs. 22, 23, 26 and 27, marked with 2 notches on S. and E. edges and raised a mound of stone 2 ft. base 1½ ft. high W. of Cor. Pits impracticable.
Land Mountainous
Soil rocky, 4th rate
Oak brush.
Land mountainous on 40.00 Chs.
Aug. 2nd at this Cor. at 12h noon, I set off 17°42'N. on the decl. arc and observe the sun on the meridian. The resulting lat. is 39°45'N.

Subdivisions of T. 12 S. R. 1 E.

Chains S. 89°39' E. on a random line bet. Secs. 23 and 26
40.00 Set Temp. 1/4 Sec. Cor.
80.20 Intersect N and S. line 37 Hrs. S. of the Cor. of Secs. 23, 24, 25 and 26.
Thence I run.
N. 89°55' W. on a true line bet. Secs. 23 and 26.
over mountains
0.50 Gulch drains S.
20.50 Ridge bears N.E. and S.W.
28.00 Gulch drains S.E.
34.00 High bare ridge bears N.W. and S.E.
40.10 Set limestone 15×10×5 ins - 10 ins. in the ground for 1/4 Sec. Cor., marked 1/4 on N. and raised a mound of stone 2 ft. 1 1/2 ft. high N. of Cor.
Pits impracticable.
49.00 Gulch drains S.W.
78.00 Ridge bears N.E. and S.W.
80.20 The Cor. to Secs. 22, 23, 26 and 27.
Land mountainous
Soil rocky, 4th rate
Oak brush
Land Mountainous on 80.20 chs.

From the established 1/4 Sec. Cor. bet. Secs. 27 and 28, which is a limestone 6× ×6 ins. above ground, marked 1/4 on W., and mound of stone alongside
I run
see Note 2 - Page 1 - Cor. Notes. N. 0°3' W. bet. Secs. 27 and 28.
42.50 Ridge bears N.E. and S.W.
53.50 Gulch drains S.W.
67.00 Ridge bears N.E. and S.W.
79.00 Ridge bears N.W. and S.E.
80.00 Set limestone 14×8×5 ins - 10 ins. in the ground for Cor. to Secs. 21, 22, 27 and 28, marked 2 notches on S. and 3 notches on E. edges, and raised a mound of stone 2 ft. base 1 1/2 ft. high W. of Cor.
Pits impracticable
Land Mountainous

Subdivisions of S. 12 S. R. 1 E.

Soil rocky, 4th rate
Sage brush.
Land Mountainous on 40.00 chs.

N. 89° 36' E. on a random line bet. Secs. 22 and 27

40.00 Set Stone. 1/4 Sec. Cor.

80.2 Intersect N. and S. line 47 lks. N. of the Cor. of Secs. 22, 23, 26 and 27

Thence S. run

S. 89° 56' W. on a true line bet. Secs. 22 and 27

15.00 Head of Gulch drains S.W.

20.50 Ridge bears N.E. and S.W.

Thence descend N. slope.

40.12½ Set Limestone 24×20×6 ins - 18 ins. in the ground for 1/4 Sec. Cor. marked 1/4 on N. face and raised a mound of stone 2 ft. base 1½ ft. high N. of Cor.

Pits impracticable.

65.00 Gulch drains N.W.

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

Land mountainous
Soil rocky, 4th rate.
Oak brush.

Land mountainous on 80.25 chs.

From the established 1/4 Sec. Cor. bet. Secs. 21 and 28 which is a limestone, 6×8×5 ins. above ground, and mound of stone alongside.

S. run.

S. 89° 39' E. on a random line bet. Secs. 21 and 28.

40.15 Intersect N. and S. line 22 lks. S. of the Cor. of Secs. 21, 22, 27 and 28.

Thence S. run

N. 89° 58' W. on a true line bet. Secs. 21 and 28

21.50 Spring branch 3 lks. wide 2 ins. deep. flows S.W. Enters flat.

40.15 The 1/4 Sec. Cor. bet. Secs. 21 and 28.

215.0 Land Mountainous and

Subdivisions of T. 12 S. R. 1 E.

Chains Soil 4 - and 2 - rate, rocky, gravelly.
Sage brush
Land Mountainous on 20.50 Chs.
August 2nd 1869

General Description.

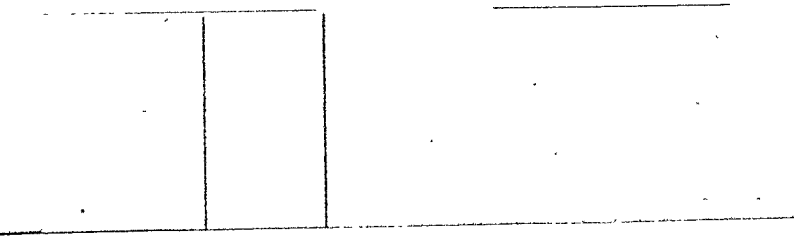
The land embraced in the survey of this fractional township is mountainous, and covered with a dense growth of oak and sage brush undergrowth. It is used exclusively for grazing purposes for sheep and cattle. There is no water except what is brought in a ditch from a Spring in the mountainous portion of the Tp. for the irrigation of Elizabeth Coulson's Claim.
Elizabeth Coulson has a Claim in Secs 25, 26, and 35 and a few acres under cultivation.
The mountainous portion of this township is high, broken and mountainous The highest peak of Mount Hebo, one of the highest Mountains in the territory, is situated about the North east Corner.
There are no other settlers, nor were there any other evidences of cultivation found by me.
I did not complete the survey of the Tp. on account of its broken and rocky Character.

Henry Fitzhugh
Nicholas Fitzhugh
U. S. Dep. Surveyors.

Correction notes
Subdivision lines Tp. 12 S. R. 1 E.

Ote No.	
1	This is a clerical error. Should be N. 0° 1' W.
2	This is a clerical error. Should be N. 0° 2' W.

Henry Fitzhugh
Nicholas Fitzhugh
U.S. Deputy Surveyors.



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BOOK A-240

List of Names.

A list of the names of the individuals employed by Henry Fitzhugh and Nicholas Fitzhugh, U. S. Deputy Surveyors, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the survey of the Subdivision lines of Tp. 12 S. R. 1 E.

Salt Lake Meridian, in Utah Territory, showing the respective capacities in which they acted:

Jesse Carlson	Chainman
Arthur Jenkins	"
Samuel Carlson	Axeman
Albert Carlson	"

Final Oath of Assistants:

We hereby certify that we assisted Henry Fitzhugh and Nicholas Fitzhugh, U. S. Deputy Surveyors, in surveying all those tracts or portions of the Subdivision lines of T. 12 S. R. 1 E.

Jesse Carlson
Arthur Jenkins
Samuel Carlson
Albert Carlson

Salt Lake Meridian, Utah Territory, as are represented in the foregoing field notes as having been surveyed by ~~him~~ them and under ~~his~~ their 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 U. S. Surveyor General for Utah.

Jesse Carlson, Chainman
Arthur Jenkins, "
Samuel Carlson, Axeman
Albert Carlson, "

Subscribed and sworn to before me this 2nd day of August, 1895.

SEAL

J. C. Nixon, Notary Public
Juab County, U. T.

My Com. Exp. Apl. 11/1897

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BOOK A-240

Final Oath of U. S. Deputy Surveyor.

I, Henry Fitzhugh and Nicholas Fitzhugh, U. S. Deputy Surveyors, d solemnly swear that, in pursuance of instructions received from George W. Sumo, U. S Surveyor General for Utah, bearing date of the 8th day o March, 18 95, I have well, faithfully, and truly, in my own proper persons and in strict conformity with the instructions furnished by the U. S. Surveyor General for ....., th surveying manual, and the laws of the United States, surveyed all those parts or portions of the subdi vision of Sec. 12 S. R. 1 E.

Salt Lake Meridian, in the Territory of Utah, as are represented in the fore going field notes as having been surveyed by me, and under my directions; and I do further solemnly swear that al the corners of said survey have been established and perpetuated in strict accordance with the surveying manua printed instructions, the special written instructions of the U. S. Surveyor General for Utah and in the specific manner 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 Congr approved August 8, 1846.

Henry Fitzhugh
Nicholas Fitzhugh
U. S. Deputy Surveyor.

Subscribed and sworn to before me this 19th day of December, 1895

SEAL

George W. Sumo

Approval.

Office of the U. S. Surveyor General,

Salt Lake City, Utah, June 28, 1896

The foregoing field notes of the survey of the subdivision lines of Township 2 South Range 1 East, Salt Lake Base & Meridian Utah

executed by Henry Fitzhugh & Nicholas Fitzhugh under their Contract No. 200, dated March 8, 1895, having been critical examined, the necessary corrections and explanations made, the said field notes, and the surveys they describe, a hereby approved.

U. S. Surveyor General.

I certify that the foregoing transcript of the field notes of the above-described surveys in ..... has been correctly copied from the original notes on file in this office.

U. S. Surveyor General.

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(4—679.)

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BOOK A-240

FIELD NOTES

OF THE SURVEY OF

The South and East Adys. Tp. 6 S R. 3 E

Of the Salt Lake Meridian,

Territory of Utah

AS SURVEYED BY

Fitzhugh and Nicholas Fitzhugh, U. S. Deputy Surveyor,

er his Contract No. 200, dated March 8th 1895.

ey commenced August 26th, 1895.

ey completed August 29th, 1895

(12503—2,000.)

879-10 x

3.50 x

BOOK A-240

Names and Duties of Assistants.

John N. Muhlestein	Chairman
Emil Muhlestein	"
Frederick B. Lichty	Assistant
John N. Lichty	"

BOOK A-240

INDEX DIAGRAM.

Township 6 S, *Range* 3 E.

6	5	4	3	2	1
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19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

2 3 4

Meanders Page.....

BOOK A-240

Preliminary Oaths of Assistants.

We, John W. Muhlestein and Emil Muhl

do solemnly swear that we will well and faithfully execute the duties of chain carriers; that we will level th over even and uneven ground, and plumb the tally-pins either by sticking or dropping the same; that we will the true distance to all notable objects, and the true lengths of all lines that we assist in measuring, to the best skill and ability, and in accordance with instructions given us in the survey of the South East bdys. Tp. 6 S. R. 3 E.

John W. Muhlestein, Chain

Emil Muhlestein, Chain

, Chain

, Chain

Subscribed and sworn to before me this 26th day of August, 1895

E. S. Jones

Clerk of the County Court Utah Co. Ut.

We, Friedrich B. Lichty John N. Lich

do solemnly swear that we will well and truly perform the duties of axemen in the establishment of corners an duties, according to instructions given us, and to the best of our skill and ability, in the survey of the and East bdys. Tp. 6 S. R. 3 E.

Subscribed and sworn to before me this 26th day of August, 1895

E. S. Jones

Clerk of the County Court Utah Co. Ut.

Friedrich B Lichty, Axe

John N. Lichty, Axe

South Bdy. T. 6 S. R. 3 E.

Chains

Survey Commenced August 26th 1895 and executed with a W. & L. E. Gurley light mountain transit with Solar attachment. The horizontal limb is provided with two verniers placed opposite to each other to single minutes of arc, which is also the least count of the verniers of the latitude and declination arcs.

The instrument was examined, tested on the true meridian at Salt Lake City, found correct and was approved by the Surveyor general for Utah October 16th 1894.

I examine the adjustments of the transit and correct the level and collimination errors then, to test the Solar apparatus by comparing its indications, resulting from Solar observations made during a.m. and p.m. hours, with a true meridian determined by observation on Polaris. I proceed as follows.

August 26th 1895 At the cor. of Secs. 3. 4. 33 and 34 Tps. 6 and 7 S. Rg. 3 E. latitude 40° 15' N. longitude 111° 37' W. at 3h L. M. T. I set off 40° 15' on the lat. arc: 10° 16' N. on the decl. arc (these settings being the nearest practicable to the true minutes and fractions thereof required); determine with the Solar a True Meridian; and mark the point thereof on a Stone set firmly in the 5.00 chs. N of the Cor.

At 9h 05m P.M. L. M. T. I observe Polaris at eastern elongation in accordance with Manual of Instructions, and mark a point on the line thus determined on a plug driven in the ground 5.00 chs N of my Station.

August 27th 1895 At 7 A.M. L. M. T. I lay off the azimuth of Polaris 1° 38' to the West and mark the true meridian thus determined by cutting a small in the Stone set Aug. 26th on which the true meridian

South bdy. T. 6 S. R. 3 E.

Chains	
	Mark determined by the Solar.
	At 7h 15m A. M. L.M.T. I set off 40° 15' N on the Lat arc: 10° 2' N on the decl. arc: and mark a point on the True meridian determined with the Solar, by a cross on the Stone already set 5.00 chs. N. of my Station: this mark falls 0.3 ins. West of the true meridian established by the Polaris observation.
	The Solar apparatus by P. M. and A. M. observations, defines positions for True Meridians, respectively about 0' 10" East and 0' 16" West of the True meridian established by the Polaris observations: therefore I conclude the adjustments of the instrument are satisfactory.
	The magnetic bearing of the true meridian at 7h 30 A M is N 16° 30 W. the angle thus determined, reduced by the Table page 100, gives the mean mag. decl. 16° 2' E.
	I begin at the Cor. to Secs. 3, 4, 33 and 34, T. 6 and 7 S. R. 3 E. which is a blue lime Stone 10 x 12 x 9 ins above ground. Marked with 3 notches on E and W edges, and mound of stone alongside.
	Thence I run
	East bet Secs 3 and 34
6.60	Fir Tree 8 ins diam. on line, Enter timber
	Road bears N 16° E and S 16° W
19.50	Road bears N and S
20.00	Ridge bears N W and S E.
23.00	Gulch drains N
35.00	Fir Tree 12 ins diam on line
40.00	A Quaking asp 3 ins diam. for 1/4 Sec. Cor. Marked 1/4 S. on N side. From which a Quaking asp 8 ins diam. bears S 40° E 30 lks dist. Marked 1/4 S. B. T. A red pine 16 ins diam bears N 80° E 50 lks dist. Marked 1/4 S. B. T.
40.60	Spur ridge bears N and S
61.00	Hollow drains N. W. Leave timber
71.00	Top of sharp rocky ridge bears N. W. and S. E.
80.00	Set blue lime Stone 18 x 12 x 7 ins. 12 ins in the ground for Cor. to Secs 2, 3, 34 and 35. Marked

Note 1 - Page 1 - Cor. Notes

Note 1 - Page 1 - Cor. Notes

South bdy T. 6 S. R. 3 E.

chains with 2 notches on E and 4 notches on W. edges and raised a mound of stone 2 ft. base, 1½ ft high N of cor. Pits impracticable — See note 2-Pa 1-Cor. notes
Land mountainous
Soil rocky: 4th rate
Scrubby pine and quaking asp
Land mountainous on 80.00 chs.

East bet secs 2 and 35
4.00 Ridge bears N and S
11.00 Swale drains N
13.00 Trail bears N and S
Spring 3.00 chs N.
14.50 Coal prospect 30 lks S.
20.00 An aspen 4 ins diam on line [illegible] — See note 1-Pa 1-Cor. not
32.00 Supposed line of coal
40.00 Set Quartzite 20x12x10 ins. 15 ins in the ¼ Sec. Cor. Marked ¼ on N. face and raised a mound of stone 2 ft. base, 1½ ft. high N. of cor. Pits impracticable
From which an aspen 8 ins diam bears S 38° W 120 lks dist. Marked ¼ S.B.T.
An aspen 3 ins diam bears N 86° E 125 lks dist. Marked ¼ S.B.T.
64.00 Bottom of wash drains N.W.
80.00 Set Lime stone 20x12x8 ins 15 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 and raised a mound of stone 2 ft. base, 1½ ft. high West of cor. Pits impracticable — See note 2-Pa 1-Cor. notes
Land mountainous
Soil rocky: 4th rate
Dense undergrowth
Land mountainous on 80.00 chs.

Aug 27th At this cor. I set off 9° 58' N on the decl arc; and at 12h noon L.M.T. observe the sun on the meridian; the resulting latitude is 40° 15' N.

BOOK A-240

South bdy. T. 6 S. R. 3 E.

Chains	
	East bet Secs 1 and 36
	Over Mountains.
8.00	Sharp ridge bears N and S. Enter timber
12.00	Gulch drains N.E.
18.00	Ridge bears NE and SW
36.00	Wash in hollow drains N.W.
40.00	Set Lime Stone 12x12x12 ins. 8 ins in the gro for 1/4 Sec. Cor. Marked 1/4 on N. face and raised a mound of Stone 2 ft. base, 1½ ft. high N of Cor Pits impracticable
	From which a Spruce pine tree 12 ins diam bears N 50° E 70 lks dist. Marked 1/4 S.B.T.
	A Spruce pine tree 12 ins diam bears S 10° W 150 lks dist Marked 1/4 S.B.T.
52.50	Top of rocky ridge bears N.E and S.W.
72.00	Ridge bears N.W and S.E. Leave timber
80.00	Under a perpendicular ledge Set a Lime Stone 18 x 12 x 9 ins. 12 ins in the ground for Cor to Tps 6 and 7 S Rgs. 3 and 4 E Marked with 6 notches on each edge and raised a mound of Stone 2 ft. base 1½ ft. high S of Cor.
	Pits impracticable
	Land Mountainous
	Soil rocky, 4th rate
	Scattering pine and fir timber
	Land Mountainous on 80.00 chs.

August 27th 1895

Notes 3-Pa Lev. Notes

East bdy T. 6 S. R. 3 E.

Chains August 28th 1895 at 7 30 A.M. L.M.T. I set off 40°15' N on the lat arc: 9°41' N on the decl arc and determine a true meridian with the solar at the Cor. to Tps. 6 and 7 S Rgs 3 and 4 E Set by me Aug: 27th 1895. Thence I run

North bet Secs. 31 and 36

7.10 Wash drains N 80° E.

23.00 Top of rocky ridge bears N.W. and S.E.

40.00 Set a yellow Quartz 24x12x6 ins 18 ins in the ground for 1/4 Sec. Cor. marked 1/4 on W. face and raised a mound of stone 2 ft. base 1 1/2 ft. high W. of Cor. Pits impracticable

45.00 Lake and Springs bears 4.00 Chs E.

53.00 Ridge bears N.E. and S.W.

60.00 Hollow drains E.

80.00 Set a Quartzite Stone 24x12x8 ins. 18 ins in the ground for Cor to Secs. 25, 30, 31 and 36 Marked with 5 notches on N and 1 notch on S edges and raised a mound of stone 2 ft. base 1 1/2 ft. high W. of Cor. Pits impracticable

Land Mountainous

Soil rocky: 4th rate

Dense undergrowth

Land Mountainous on 80.00 Chs.

Aug 28th ft this Cor I set off 9°37' N on the decl. arc: and at 12h noon observe the sun on the meridian the resulting lat is 40°16' N which is about 0.4 more than the proper lat.

North bet Secs. 25 and 30

Over Mountains

15.00 Top of ridge bears N E and S.W.

40.00 Set a Quartz Stone 24x12x6 ins. 18 ins in ground for 1/4 Sec. Cor. Marked 1/4 on W face and raised a mound of stone 2 ft. base. 1 1/2 ft. high W. of Cor. Pits impracticable.

44.00 Top of mountain bears N.W. and S.E.

77.00 Hollow about 1500 ft. below Mountain drains N.E.

80.00 Set a Sand Stone 24x12x6 ins. 18 ins in the

East Ody T. 6 S. R. 3 E.

chains	ground for Cor. to Secs. 19. 24. 25 and 30 Marked with 2 notches on S and 4 notches on N. edges and raised a mound of stone 2 ft. base. 1½ ft. high W. of Cor. Pits impracticable From which a White pine tree bears N 29½° W 110 lks. dist. Marked T. 6 S. R. 3 E. S. 24 B.T. A White pine tree 8 ins. diam bears S 7° 30' E 60 lks dist Marked T. 6 S. R. 4 E. S. 30 B.T. Land Mountainous Soil rocky: 4th rate Scattering Scrubby pine timber Dense undergrowth Land Mountainous on 80.00 Chs
	Aug 28th At 2h p.m. L.M.T. I set off 40° 17' N on the lat. arc; 9° 35' N on the decl arc and determine a true meridian with the solar at the Cor. to Secs 19. 24. 25 and 30. Thence I run North bet Secs. 19 and 24 Over Mountains
.40	Ridge bears N.E. and S.W.
15.00	Hollow drains N.E.
17.00	Ridge bears N.E. and S.W.
23.00	Bullock corral fence bears N.E. and S.W.
24.25	Leave corral bears N.E. and S.W. Gulch drains N.E.
33.00	Leave timber
40.00	Set a Sand Stone 24x12x6 ins. 18 ins in the ground for ¼ Sec. Cor. Marked ¼ on W. face and raised a mound of stone 2 ft. base. 1½ ft. high W. of Cor. Pits impracticable
50.00	Ridge bears N.E. and S.W.
68.50	Spur ridge bears N.W. and S.E.
76.00	Hollow drains N.W.
80.00	Set a Quartzite stone 18x10x6 ins 12 ins in the ground for Cor. to Secs 13. 18. 19 and 24 Marked with 3 notches on N and S. edges and raised a mound of stone 2 ft. base. 1½ ft. high W. of Cor. Pits impracticable Land Mountainous Soil rocky 4th rate

East bdy. T. 6 S. R. 3 E.

Chains	Dense undergrowth Land mountainous on 80.00 chs. August 28th 1895
	August 29th 1895 North bet Secs 13 and 18 Over Mountains
71.00	Ridge bears N.W. and S.E.
73.00	Head of hollow drains N.W.
38.00	Ridge bears N.W. and S.E.
40.00	Set Quartzite Stone 14x12x8 ins 18 ins in the ground for 1/4 Sec. Cor. marked 1/4 on W. face and raised a mound of stone 2 ft. base 1 1/2 ft. high W. of cor. Pits impracticable From which an aspen 5 ins. diam. bears N32° W 25 lks. dist. Marked 1/4 S. B.T. An aspen 6 ins diam bears S38° E 15 lks dist marked 1/4 S. B.T.
45.00	Wash drains N.W.
62.00	Spur ridge bears N.W. and S.E.
74.00	Swale drains N.W.
80.00	Set Quartzite Stone 14x10x5 ins 10 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. and raised a mound of stone 2 ft. base. 1 1/2 ft. high W. of Cor. Pits impracticable From which an aspen 3 ins diam bears S6° W 12 lks. dist. Marked T. 6 R. 3 E. S. 13 B.T. An aspen 4 ins. diam. bears N30° W 20 lks Marked T. 6 S. R. 3 E. S. 12 B.T. Land Mountainous Soil gravelly, rocky 1st and 4th rate Scattering. scrubby pine and aspen timber Dense oak undergrowth Land Mountainous on 80.00 chs. Aug 29th At this Cor. I set off 9° 15' N on the Decl. arc. and at 12h noon L.M.T. observed the sun on the meridian. The resulting Lat is 40° 18' N which is about 0.3' more than the true lat.

East bdy. T 6 S R 3 E

Chains North bet Secs. 7 and 12
Over Mountains
8.00 Hollow drains N.W.
17.00 Ridge bears N.W. and S.E.
31.50 Hollow drains N.W.
34.50 Gulch drains N.W.
40.00 Set a Sand Stone 30x18x12 ins 24 ins in the ground for 1/4 Sec. Cor. Marked 1/4 on W face and raised a mound of stone 2 ft. base 1½ ft. high W of cor Pits impracticable
From which an aspen 4 ins. diam bears N 62° E 15 lks. dist. Marked 1/4 S.B.T.
An aspen 3 ins. diam bears N 48° W. 20 lks dist Marked 1/4 S.B.T.
47.00 Large Spring bears W. 150 lks. dist.
47.25 Spring branch 3 lks wide in hollow flows N.E.
77.00 Ridge about 500 ft. above Spring branch bears N.W. and S.E.
80.00 Set a Quartzite Stone 18x12x6 ins. 12 ins in the ground for Cor. to Secs. 1. 6. 7 and 12 Marked with 5 notches on S and 1 notch on N. edge and raised a mound of stone 2 ft. base 1½ ft. high W. of cor. Pits impracticable
From which a Maple Tree 12 ins diam bears N 83° 30' E 60 lks dist. Marked T. 6 S. R. 4 E S. 6 B.T.
A Maple tree 5 ins diam bears S 62° E 125 lks dist. Marked T. 6 S. R. 4 E. S. 7 B.T.
An Oak 8 ins diam bears S 4° W 150 lks dist. Marked T. 6 S. R. 3 E. S. 12 B.T.
Land Mountainous
Soil rocky 4th rate
Scattering scrubby pine, maple and aspen timber
Dense Oak undergrowth
Land Mountainous on 80.00 chs

Aug 29th At 2h 30m p.m. I. M.T. I set off 40° 19' N on the bat arc: 9° 13' N on the dec arc: and determine a true meridian with the Solar at the Cor. to Secs. 1. 6. 7 and 12

Thence I run

East bdy of T. 6 S. R. 3 E.

Chains. North bet Secs 1 and 6
Over Mountains
1,50 Wash in hollow drains E
5.50 Ridge bears S.W. and N.E.
9.00 Hollow drains N.E.
23.00 Ridge bears N.E. and S.W.
40.00 Set a Sand Stone 18x12x6 ins. 12 ins in the ground 1/4 Sec. Cor. Marked 1/4 on W. faces and raised a mound of Stone 2 ft. base. 1½ ft. high W. of Cor. Pits impracticable
From which an aspen 6 ins. diam bears S 80° W. 25 lks dist. Marked 1/4 S.B.T.
An aspen 4 ins. diam bears S 32° E 40 lks dist Marked 1/4 S.B.T.
65.00 about 800 ft. below ridge drains N.E.
79.10 Intersect 1st Standard parallel and set a Sand Stone 14x10x6 ins. 10 ins in the ground Closing Cor. of T. 20, 6 S. Rgs. 3 and 4 E. Marked C.C. on the S. with 6 grooves on the S., E. and W. faces and raised a mound of Stone 2 ft. base 1½ ft. high S. of Cor. Pits impracticable
From which an Oak 8 ins diam bears S 30° E 30 lks dist Marked T. 6 S. R 4 E. S. 6 B.T.
A Pine 10 ins diam bears N 20° E 50 lks dist. Marked T. 5 S. R. 4 E. S 31 B.T.
Land Mountainous
Rocky, gravelly; 1st and 4th rate
Aspen timber
Dense Oak brush
Land Mountainous on 79.10 Chs.

August 29th 1895

BOOK A-240

General description
For General description see end
of Subdivisional Notes
Henry Fitzhugh
Nicholas Fitzhugh
U.S Dept. Surveyors

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Correction Notes.

South and East boundaries Tp. 6 S. R. 3 E.

No.

1 This is a clerical error.
This tree will be found marked in the
with 2 notches on E. and W. faces.

2 This is a clerical error.
The mound is on W. side of Cmr in the

3 This is a clerical error.
This Cmr will be found marked as
follows in the field
6 S. on N.E.
~~4~~ E. on S.E.
7 S. on S.W. and
3 E. on N.W. faces.

Henry Sitzpugh
Nicholas Fitzpugh
U.S. Deputy Surveyors.

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List of Names.

A list of the names of the individuals employed by Henry Fitzhugh and Nicholas Fitzhugh, U. S. Deputy Surveyors to assist in running, measuring, and mark the lines and corners described in the foregoing field notes of the survey of the South and East Bdys. Sp. 6 S. R. 3 E.

Salt Lake Meridian, in Utah Territory, showing respective capacities in which they acted:

M. Muhlestein	Chainman
Emil Muhlestein	"
Friedrich B. Liechty	Axeman
John M. Liechty	"

Final Oath of Assistants:

We here certify that we assisted Henry Fitzhugh and Nicholas Fitzhugh, U. S. Deputy Surveyors in surveying all parts or portions of the South and East Bdys. Sp. 6 S. R. 3 E.

Salt Lake Meridian, Utah Territory, 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 acts, to the best of our knowledge and belief, well and faithfully surveyed, and the corner monuments established, according to the instructions furnished by the U. S. Surveyor General for Utah Territory.

John M. Muhlestein Chainman
Emil Muhlestein "
Friedrich B. Liechty Axeman
John M. Liechty "

Subscribed and sworn to before me this 19th day of November, 1895

SEAL

E. Jones
Clerk of the County Court
Utah Co. U.T.

6—151

Final Oath of U. S. Deputy Surveyor.

~~I~~ We Henry Fitzhugh & Nicholas Fitzhugh, U. S. Deputy Surve solemnly swear that, in pursuance of instructions received from George W Snow Surveyor General for Utah Territory, bearing date of the 8th March, 1895, ~~I~~ we have well, faithfully, and truly, in ~~my~~ own proper person, and i conformity with the instructions furnished by the U. S. Surveyor General for Utah surveying manual, and the laws of the United States, surveyed all those parts or portions of South East boundaries of Township Six South Range T East

Salt Lake Meridian, in the Territory of Utah, as are represented in th going field notes as having been surveyed by ~~me~~ us, and under ~~my~~ our directions; and ~~I~~ we do further solemnly swear t the corners of said survey have been established and perpetuated in strict accordance with the surveying r printed instructions, the special written instructions of the U. S. Surveyor General for Utah and in the specific manner described in the field notes, and that the foregoing are the true field notes of such s and should any fraud be detected, ~~I~~ we will suffer the penalty of perjury under the provisions of an Act of C approved August 8, 1846.

Henry Fitzhugh
Nicholas Fitzhugh
U. S. Deputy Sur

Subscribed and sworn to before me this 19th day of December, 1895

SEAL

George W Snow
U S Surveyor

Approval.

Office of the U. S. Surveyor General,

Salt Lake City, Utah June 28, 189

The foregoing field notes of the survey of the South & East Bound of Tp 6 South Range 3 East of the Salt Lak & Meridian, Utah Territory

exec Henry Fitzhugh and Nicholas Fitzhugh under ~~his~~ their Contract No. 200, dated March 8th, 1895, having been c examined, the necessary corrections and explanations made, the said field notes, and the surveys they descri hereby approved.

U. S. Surveyor G

I certify that the foregoing transcript of the field notes of the above-described surveys in ....., has been correctly copied from the original notes on file in this office.

U. S. Surveyor Ge

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BOOK A-240

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FIELD NOTES

OF THE SURVEY OF

The Subdivision Lines of Tp. 6 S. R. 3 E.

Of the Salt Lake Meridian,

Territory of Utah

AS SURVEYED BY

...ry Fitzhugh and Nicholas Fitzhugh, U. S. Deputy Surveyors

...ler ~~his~~ their Contract No. 200, dated March 8th 1895

...vey commenced August 30th, 1895

...ey completed September 9th, 1895

(12503—2,000.)

$ 26.08.68

3.62

11.35

79.15

BOOK A-240

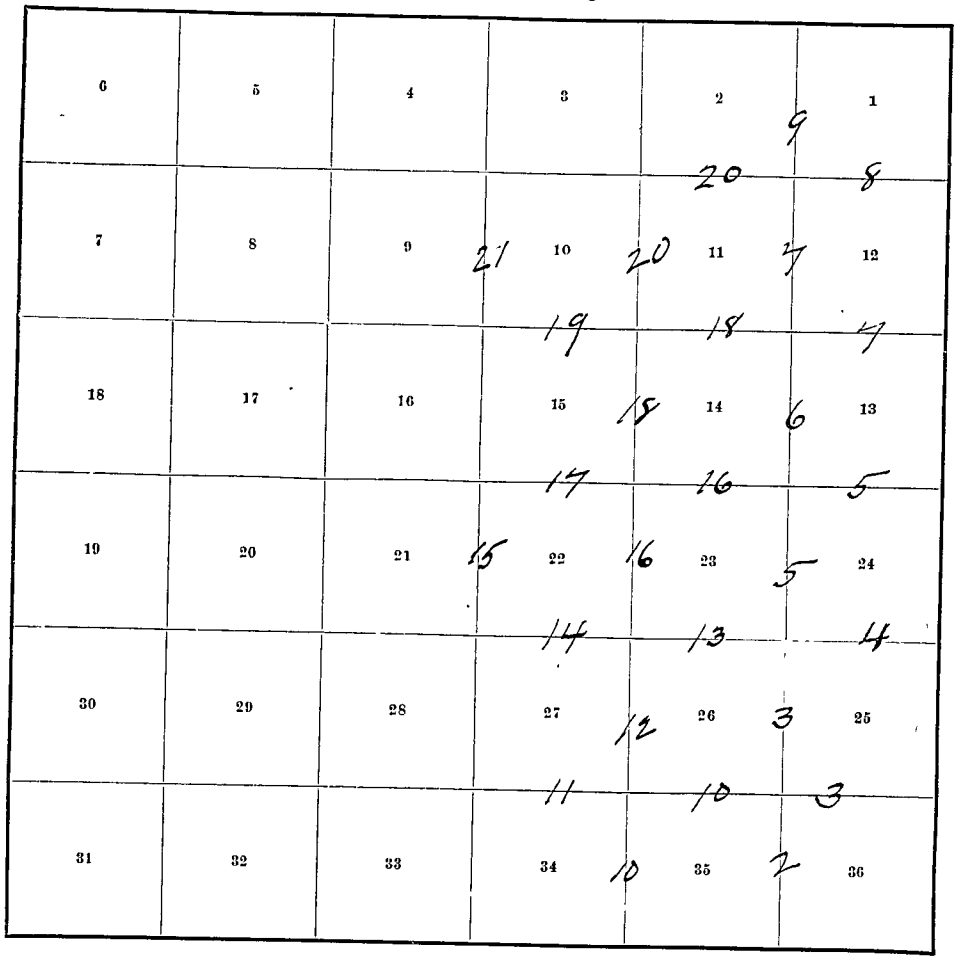
Names and Duties of Assistants.

John N. Muhlestein	Chainman
Emil Muhlestein	"
Frederick B. Liechty	Axeman
John N. Liechty	"

BOOK A-240

INDEX DIAGRAM.

Township 6 South. *Range* 3 East.



Meanders Page.....

60 268

BOOK A-240

Preliminary Oaths of Assistants.

We, John N. Muhlestein and Emil Muh

do solemnly swear that we will well and faithfully execute the duties of chain carriers; that we will level the c over even and uneven ground, and plumb the tally-pins either by sticking or dropping the same; that we will r the true distance to all notable objects, and the true lengths of all lines that we assist in measuring, to the best o skill and ability, and in accordance with instructions given us in the survey of the Lines of Tp. 6 S. R 3 E

John N. Muhlestein, Chainm

Emil Muhlestein, Chainm

, Chainm

, Chainn

Subscribed and sworn to before me this 26th day of August, 1895

E. L. Jones

Clerk of the County Court

Utah County, U.S.

We, Friedrich B. Lucht and John W. Lieb

do solemnly swear that we will well and truly perform the duties of axemen in the establishment of corners an duties, according to instructions given us, and to the best of our skill and ability, in the survey of the Subdivision Lines of Tp. 6 S. R. 3 E.

Subscribed and sworn to before me this 26th day of August, 1895

Friedrich B. Lucht, Axe

John N. Lieby, Axe

E. L. Jones

Clerk of the County Court

Utah Co. U.S.

6—151

Subdivisions of T. 6 S. R. 3 E.

Chains

Survey commenced August 30th 1895 a W. & L. E. Gurley light mountain transit with Solar attachment. The horizontal is provided with two double verniers placed opposite to each other reading to single minutes of arc: which is also the least count of the verniers of the latitude and declination arcs.

The instrument was examined, tested on the true meridian at Salt Lake City, found correct and was approved by the Surveyor general for Utah October 16th 1894.

I examine the adjustments of the transit and correct the level and collimation errors; then to test the Solar apparatus, by comparing its indications resulting from Solar observations made during a.m. and p.m. hours with a true meridian determined by observation on Polaris I proceed as follows.

At J. N. Muhlestein's house in the N½ of the S.E. ¼ of Sec. 27 T 6 S R 3 E.: latitude 40° 16.3 N. longitude 111° 36.3 W. I set off 40° 16' N on the lat. arc: 8° 52' N. on the decl arc: and at 2h 45m p.m. L.M.T determine with the Solar a true meridian and mark a point thereof, on a stone firmly set in the ground 5.00 chs N of my station.

At 8h 49m p.m. L.M.T. I observe Polaris at eastern elongation in accordance with Manual of Instructions, and mark a point in the line thus determined on a plug driven in the ground 5.00 chs. N of my station.

August 30th 1895

August 31st 1895 At 6h 15m a.m. L.M.T. I lay off the azimuth of Polaris 1° 38' to the West and mark the true Meridian thus determined by cutting a small groove in the stone set Aug 30th on which the true meridian falls 0.25 ins east of the mark determined by the Solar.

60

Subdivisions of T. 6 S. R. 3 E.

Chains	
	At 6h 30m a.m. L. M. T. I set off 40° 16' N on the Lat arc: 8° 37' N. on the Decl arc: and mark a point in the true meridian determined with the Solar by a cross on the Stone already set 5.00 chs. N of my Station: this mark falls 0.3 ins East of the true meridian established by the Polaris observation
	The Solar apparatus by p. m. and a. m. observations defines positions for true meridians, respectively about 0' 13" West and 0' 16" East of the meridian established by the Polaris observations therefore I conclude that the adjustments of the instrument are satisfactory.
	The magnetic bearing of the true meridian at 6h 30 a.m. L.M.T. is N 16° 30' W. the angle thus determined reduced by the Table page 100 gives the mean Mag. Decl. 16° 25' East.
	From the Cor. of Secs. 1. 2. 35 and 36 on S. bdy T. 6 S. R. 3 E. described in the survey made by me August 27th 1895
	N 0° 1' W bet. Secs 35 and 36
	Over Mountains
6.20	Ridge bears N.W. and S.E.
16.60	Pine tree on line 18 ins diam mkd. 2 notches on N & S
17.00	Wash in hollow drains N.W.
40.00	Set Line Stone 18 X 10 X 10 ins. 12 ins in the ground for 1/4 Sec. Cor. Marked 1/4 on W and raised a mound of stone 2 ft. base, 1 1/2 ft high W. of Cor. Pits impracticable From which a Spruce pine 8 ins. diam. bears West 4 lks dist. marked 1/4 S.B.T.
62.00	Wash drains N.W.
68.00	Ridge bears N.W. and S.E.
80.00	Set Sand Stone 18 X 12 X 12 ins. 12 ins in the ground for Cor to Secs 26. 26. 35 and 36 Marked with 1 notch on S and E edges and raised a mound of stone 2 ft. base 1 1/2 ft. high W of Cor. Pits impracticable. Land Mountainous

Notes 1. Page 1 Cor. Notes

Subdivisions of T. 6 S. R. 3 E.

Chains Soil rocky: 4th rate
Scattering pine timber
Oak brush
Land Mountainous on 80.00 chs
Aug. 31st At this Cor. I set off 8°32' N on the decl. arc: and at 12h noon L. M. T. observe the sun on the meridian the resulting lat is 40°16' N which is about 0.4' more than the proper lat.

X

East on a random line bet Secs 25 and 36
40.00 Set temp 1/4 Sec. Cor.
80.10 Intersect E. bdy of Tp 21 lks N of Cor to 25, 30, 31 and 36 described in the survey made by me Aug. 28 –
Thence I run
N 89°51' W. on a true line bet Secs 25 and 36
11.00 Divide ridge about 1500 ft. high bears N.E. and
40.0 Set Line Stone 20 x 10 x 8 ins. 15 ins in the ground for 1/4 Sec. Cor. Marked 1/4 on N face and raised a mound of stone 2 ft. base 1½ ft. high N. of Cor. Pits impracticable
75.20 Road bears N.W. and S.E.
77.00 Gulch drains N.W.
80.10 The Cor. to Secs. 25. 26. 35 and 36.
Land Mountainous
Soil rocky: 4th rate
Dense Oak under brush
Land Mountainous on 80.10 chs.

X 2

August 31st At 2h p.m. L.M.T. I set off 40°16' N. on the lat. arc 8°30' N on the decl arc: and determine a true meridian with the solar at the Cor. to Secs 25. 26. 35 and 36
Thence I run
N 0°1' W bet Secs 25 and 26
Over Mountains
2.00 Gulch drains N.W.
5.50 Road bears N.W. and S.E.
18.00 Hollow drains W
23.00 bears N.E. and S.W.

Subdivisions of T. 6 S. R. 3 E.

Chains
25.30 Gulch drains S.W.
40.00 Set Line Stone 18 x 8 x 6 ins. 12 ins in the ground for 1/4 sec. cor. Marked 1/4 sec on W face, and raised a mound of stone 2 ft. base, 1 1/2 ft. W. of cor. Pits impracticable
42.00 Ridge bears E. and W.
55.90 Road in hollow bears N W and S.E., hollow drains N.W.
80.00 Set Sand Stone 14 x 12 x 10 ins. 10 ins in the ground for Cor. to secs. 23, 24, 25 and 26 M with 2 notches S. and and one notch on E edges and raised a mound of stone 2 ft. base, 1 1/2 ft. high W. of cor. Pits impracticable
Land mountainous
Soil rocky: 4th rate
Dense undergrowth
Land mountainous on 80.00 chs.

X

S 89° 51' E. on a random line bet secs 24 and 25.
40.00 Set temp 1/4 sec. cor.
80.15 Intersect the E. bdy. of the Tp 9 lks S. of the Cor to secs 19, 24, 25 and 30, described in survey made by 7 at 28th
Thence I run
N 89° 55' W on a true line bet secs 24 and 25
2.00 Ridge bears N.E. and S.W.
8.50 Hollow drains N.E.
10.40 Ridge bears N and S
19.60 Divide ridge bears N. and S.
40.07 Set Sand Stone 24 x 10 x 8 ins. 18 ins in the ground for 1/4 sec. cor. marked 1/4 on N face and raised a mound of stone 2 ft. base, 1 1/2 ft. high N of cor. Pits impracticable
From which an aspen 3 ins diam bears N 55° W 12 lks dist marked 1/4 S.B.T.
An aspen 3 ins diam bears S 20° E 10 lks dist marked 1/4 S.B.T.
41.00 Ridge bears N.E. and S.W.
69.00 Wash drains S.
65.15 Ridge bears N.E. and S.W.
73.00 Hollow drains S.
75.50 " bears N and S

Subdivisions of T. 6 S. R. 3 E.

Chains

80.15 The Cor. to Secs. 23. 24. 25 and 26.
Land Mountainous
Soil rocky, gravelly, 1st and 4th rate.
Scattering. Scrub pine and aspen
Dense undergrowth
Land Mountainous on 80.15 chs.
August 31st 1895.

September 2nd 1895
No. 1 W bet Secs 23 and 24
5.00 Hollow flows S.W.
28.75 Dividing ridge bears N.W. and S.E. Enter pine
38.00 Perpendicular cliff 60 ft high
40.00 Set Sand Stone 18x10x6 ins. 12 ins. in the ground
1/4 Sec Cor. marked 1/4 on W face and raised
a mound of stone 2 ft. base 1/2 ft. high W. of Cor.
Pits impracticable
47.25 Wash drains N.E.
60.00 Ridge bears N.E. and S.W.
64.75 Wash drains N.E.
75.00 White pine Tree on line
80.00 Set Sand Stone 18x14x8 ins. 12 ins in the ground
Cor. to Secs. 13. 14. 23 and 24. marked with
3 notches on S and 1 notch on E. edges and
raised a mound of stone 2 ft. base 1/2 ft
high W. of Cor. Pits impracticable
From which a white pine Tree 4 ins. diam. bears
N 10° W. 25 lks. dist. Marked T. 6 S. R. 3 E. S 1/4 B.T.
A red pine tree 12 ins. diam. bears N 60 E. 75
lks dist. marked T. 6 S. R. 3 E. Sec. 13 B.T.
Land Mountainous.
Soil rocky. 4th rate
Scrubby pine timber
Land Mountainous on 80.00 chs.

See note 1-P a
1- Cer. Mon

S 89°-55' E on a random line bet Secs. 13 and 24
40.00 Set temp. 1/4 Sec. Cor.
80.25 Intersect E. bdy. of T. 5 S. 5 lks S. of Cor. to Secs.
13. 18. 19 and described in the made me Aug. 28th

Subdivisions of T.6 S. R.3 E.

Chains	Thence I run
	N 89°-57' W on a true line bet Secs 13 and 24
6.00	Hollow drains N.W.
14.00	Ridge bears N.W. and S.E.
	Enter pine timber
34.00	gulch drains N.E.
40.12½	On spur ridge bears N.E. and S.W. Set Quartzite stone 24x10x8 ins. 18 ins in the ground for 1/4 Sec. Cor. marked 1/4 on N face, and raised a mound of stone 2 ft. base, 1½ ft. high N. Pits impracticable
	From which an aspen tree 6 ins. diam. bears N 35° W. 10 lks. dist. Marked 1/4 S.B.T.
	An aspen tree 4 ins. diam. bears S 30° W. 20 lks dist. Marked 1/4 S.B.T.
55.00	Gulch drains N.E.
80.25	The Cor. to Secs 13. 14. 23. and 24
	Land mountainous
	Soil rocky. 4th rate
	Pine and aspen timber
	Land Mountainous for 80.25 chains
	Sept 2nd At this Cor I set off 7°-49' N on the decl. arc: and at 12h noon L.M.T. observe the sun on the meridian: the resulting lat is 40°-17' N which is about 0.4' less than the proper lat.

	N 0°-1' W. bet Secs. 13 and 14
6.50	Hollow drains N.E.
21.00	Ridge bears N.E. and S.W.
35.00	Base of cliff 20 ft. high
40.00	Set Sand Stone 16x10x6 ins. 10 ins in the ground for 1/4 Sec. Cor. Marked 1/4 on W face and raised a mound of stone 2 ft. base, 1½ ft. high W. of Cor. Pits impracticable
59.00	S edge of dry lake
61.50	N " " " "
71.00	Wash drains N.E.
80.00	Set a Sand Stone 14x10x6 ins. 10 ins in the ground for Cor. to Secs. 11. 12. 13 and 14. Marked with 4 notches on S and 1 notch on E. edges and raised a mound of stone 2 ft. base 1½ ft. high W. of Cor. Pits impracticable.
	Land mountainous

Subdivision of T. 6 S. R. 3 E.

Chains Soil rock gravelly 3rd rate
Dense Oak brush
Land Mountainous on 80.00 chs

Sept 2nd At 2h 30m p.m. L.M.T. I set off 40°18' N on the lat arc, 7°46' N. on the decl. arc and determine a true meridian with the Solar at the Cor to Secs 11. 12. 13 and 14

Thence I run

S 89°57' E on a random line bet Secs 12 and 13

40.00 Set temp 1/4 Sec. Cor.

80.25 Intersect E. bdy of Tp. 33 lks N of cor to Secs 7. 12. 13 and 18 described in survey made by me Aug. 29th

Thence I run

N 89°43' W on a true line bet Secs 12 and 13

3.50 Gulch drains N.W.

12.00 Ridge bears N.W. and S.E.

24.00 Wash drains N

37.00 Ridge bears N and S

40 12½ Set Sand stone 14×10×6 ins. 10 ins in the r 1/4 Sec. Cor. Marked 1/4 on N face and r a mound of stone 2 ft. base 1½ ft. high N of Pits impracticable

From which an aspen 5 ins diam bears N. 3° E. 10 lks dist. Marked 1/4 S.B.T.

An aspen 4 ins. diam bears S 70° W. 30 lks dist Marked 1/4 S.B.T.

41.00 Hollow drains N.E.

49.00 Spur ridge bears N.E. and S.W.

57.00 Spur ridge bears N and S

77.00 Wash drains N.E.

80.25 The Cor. to Secs. 11. 12. 13 and 14

Land Mountainous

Soil rocky: 4th rate

Aspen. Oak undergrowth

Land Mountainous for 80.25 Chs

September 2nd 1895

September 3rd 1895

N 0°1' W. bet. Secs. 11 and 12

Subdivisions of T. 6 S. R. 3 E.

Chains	
	Over Mountains
3.50	Wash drains S.E.
22.00	Spur ridge bears N.W and S.E.
31.50	Gulch drains S.E.
40.00	Set Quartzite Stone 18x10x8 ins. 12 ins. in the ground for 1/4 Sec. Cor. Marked 1/4 on W. face and raised a mound of stone 2 ft. base, 1½ ft. high W. of Cor. Pits impracticable
57.00	Divide ridge bears N.E. and S.W.
80.00	Set Granite Stone 20x12x6 ins. 15 ins. in the ground for Cor. to Secs. 1. 2. 11 and 12. Marked with 6 notches on S and 1 notch on E. edges and raised a mound of stone 2 ft. base, 1½ ft. high W. of Cor. Pits impracticable
	Land Mountainous
	Soil rocky; 4th rate
	Oak and aspen undergrowth
	Land Mountainous for 80.00 chs.
	Sep 3rd 1895 At this Cor. I set off 7° 27' N. on the decl. arc: and at 12h noon L.M.T. observe the sun on the meridian: the resulting lat is 40° 19' N which is about 0.1 less than the proper lat.

	S 89° 43' E on a random line bet. Secs 1 and 12
40.00	Set temp 1/4 Sec. Cor.
80.20	Intersect E. bdy. of T. 6 S. R. 4 E. 44 lks S of the Cor to Secs 1. 6. 7 and 12 described in the Survey made by me Aug. 29th 1895
	Thence N
	S 89° 58' W on a True line bet. Secs. 1 and 12
	Over Mountains
17.00	Spur ridge bears N.W and S.E.
38.00	Small drains S.E.
40.10	Set Sand Stone 15x10x6 ins. 10 ins in the ground for 1/4 Sec. Cor. Marked 1/4 on N face and raised a mound of stone 2 ft. base 1½ ft. high N. of Cor Pits impracticable
46.00	Dividing ridge bears N.E. and S.W.
60.00	Gallow drains N.W.
61.00	Spur ridge bears N.W and S.E.
69.00	Spur ridge bears N.W and S.E.
71.00	Gallow drains N.W

Subdivisions T 6 S R 3 E

Chains

75.50 Ridge bears N.W. and S.E.
79.25 Hollow drains N.W.
80.20 The cor. to Secs 1, 2, 11 and 12
Land mountainous
Soil rocky: 4th rate
Dense oak brush
Land mountainous on 80.20 Chs

Sept 3rd At 2h P.M. L.M.T. I set off 40°19' N on the lat arc: 7° 25' N on the decl arc and determine a true meridian with the solar at the cor. to Secs 1, 2, 11 and 12

Thence I run

N 0°1' W on a true line bet Secs 1 and 2
Over mountains

5.00 Hollow drains N.W.
8.00 Spur Ridge bears N.W. and S.E.
24.00 Gulch drains N.W.
36.00 Gulch drains N.E.
40.00 Set a Lime Stone 16x10x8 ins 10 ins. in the ground for ¼ Sec. Cor. marked ¼ on W face and raised a mound of stone 2 ft. base, 1½ ft. high W. of cor. Pits impracticable
61.00 Spur ridge bears N.E. and S.W.
69.00 Gulch drains N.E.
78.80 Intersect 1st Standard parallel S. 3.70 Chs E of the Standard Cor. to Secs 35 and 36 T 5 S R 3 E. which is a Sand Stone 7x10x5 ins above ground marked S.C. With 1 notch on E and 5 notches on wedges and mound of stone alongside. No bearing trees, Where I set a granite ie 18x10x6 ins. 12 ins in the ground for closing cor to Secs 1 and 2, marked C.C. on the S. with 1 groove on the E and 5 groves on the W. faces, and raised a mound of stone 2 ft. base, 1½ ft. high S. of cor. Pits impracticable
Land mountainous
Soil rocky: 4th rate
Dense undergrowth
Land mountainous on 78.80 Chs.

Nov 3rd 1895

Subdivisions of T 6 S R 3 E

Chains	
	September 4th 1895 – From the Cor. to Secs 2. 3. 34 and 35 on the S. bdy. of T. 6 S. R. 3 E. described in the Survey made by me August 27th 1895. I run N 0°-2' W bet. Secs. 34 and 35 Along E. slope of mountain
24.00	Flemings Coal Tunnel bears N 82°-70' E
32.80	" " " " S 80°-40' E.
40.00	Stone Line Stone 18x8x8 ins. 12 ins in the ground for 1/4 Sec Cor. Marked 1/4 on W face, and raised a mound of stone 2 ft. base, 1½ ft. high W of Cor Pits impracticable From which an aspen 4 ins diam bears S 80° E 70 lks dist. Marked 1/4 S.B.T. An aspen 3 ins. diam, bears S 45° E 10 lks. dist. Marked 1/4 S.B.T.
71.00	Spring branch 5 lks wide flows N.W.
75.50	Road bears N W and S E.
80.00	An aspen tree 8 ins diam for Cor to Secs. 26, 27, 34 and 35. Marked T 6 S., S 26 on N.E. R 3 E. S 35 on S.E. S 34 on S.W. S 27 on N.W. sides with 1 notch on S. " " and 2 notches on E. sides. From which an aspen 8 ins. diam bears S 50° E 7 lks. dist. Marked T 6 S. R. 3 E, S. 35 B.T. An aspen 3 ins diam bears N 30° E, 17 lks dist Marked T 6 S R 3 E. S. 26 B.T. A balsam tree 5 ins diam bears N 35° W 9 lks dist. Marked T 6 S. R. 3 E. S. 27 B.T. A balsam 6 ins. diam. bears S 80° W 25 lks dist Marked T 6 S. R. 3 E. S. 34 B.T. Land Mountainous. Soil rocky. 4th rate Dense Undergrowth. Scattering stunted pine timber Land Mountainous on 80.00 chs.
	East on a random line bet Secs 26 and 35
40.00	set + 1/4 Sec Cor

Subdivisions of T. 6 S. R. 3 E.

Chains

79.80 Intersect N and S line 21 lks N of the Cor to Secs 25. 26. 35 and 36.

Thence I runs

N 89° 51' W on a true line bet Secs 26 and 35.

17.00 Gulch drains N.W.

39.90 Set Sand Stone 18 x 10 x 8 ins. 12 ins in the ground for 1/4 Sec Cor. Marked 1/4 on N face and raised a mound of stone 2 ft. base. 1 1/2 ft. high N Cor. Pits impracticable

43.00 Ridge bears N.W. and S.E.

58.00 Spring bears S. 25 lks dist

59.00 " " S 50 " "

67.50 " " N 10° W 6.00 chs

72.00 Gulch drains N.W.

79.80 The Cor to Secs 26. 27. 34 and 35

Land Mountainous

Soil rocky: 4th rate

Some Underbrush

Land Mountainous 79.80

Sept 4th At this Cor I set off 7° 4' N. as decl are: and at 12h noon L.M.T. observe the Sun on the meridian: the resulting Lat is 40° 16' N which is about 0.4 More than the Lat.

Walk on a random line bet Secs 27 and 3

40.00 Set Temp 1/4 Sec. Cor.

80.75 Intersect N and S line 50 lks N of the Cor to Secs. 28 and 33 which is a Flint Stone 6 x 10 x 10 ins above ground marked with 3 Notches on E and 1 Notch on S edges and mound of stone alongside No bearing trees - where I set a Lime Stone 16 x 10 x 6 ins. 10 ins. in the ground for closing Cor. to Secs 27 and 34 Marked C.C. on E with 3 on E and 1 Notch on S faces. and raised a mound of Stone 2 ft. base. 1 1/2 ft. high E of Cor Pits impracticable

See note 2- p 1- Cor. note

Thence I runs

East on a true line bet Secs 27 and 34.

Over Mountains

Subdivisions of T. 6 S. R. 3 E.

Chains	
3.50	Ridge bears N and S.
5.00	Spring branch flows N.
10.50	Road bears N and S
27.50	Spur ridge bears N.W. and S.E.
29.00	Dray road bears N.W and S.E.
31.75	Gulch drains N.W.
40.7	On Spur ridge bears N.W and S.E. Set Lime Stone 16x10x6 ins. 11 ins in the ground for 1/4 Sec Cor. Marked 1/4 on N face, and raised a mound of stone 2 ft. base 1½ ft. high N of cor Pits impracticable
55.00	Set cor. Mountains
67.20	Spring branch 5 lks wide, 4 ins deep flows N.W.
78.50	Road bears N.W and S.E
80.75	The Cor. to Secs. 26. 27. 34 and 35 Land Mountainous Soil rocky, gravelly 1st and 4th rate Oak brush Land Mountainous on 80.75 chs.

Sept 4th At 4h p.m. L.M.T. I set off 40° 16' N on the lat arc: 7° 1' N, on the decl. arc: and determine a true Meridian with the Solar at the Cor of Secs. 26. 27. 34 and 35.

Thence I run - September 5th 1895

N 0° 2' W bet Secs 26 and 27

6.00	Dray road in hollow bears N.W and S.E. hollow drains N.W.
10.00	Spring branch 2 lks wide flows N.W.
13.50	" " 5 " " " N.W.
17.23	Fence bears E and W. Enter cultivated lands
20.85	Leave cultivated land bears N 80 W and S 80° E
28.00	Ridge bears N.W and S.E.
31.50	Hollow drains N.W.
37.00	Ridge bears N.W and S.E.
40.00	Set Lime Stone 24x12x8 ins. 18 ins in the ground for 1/4 Sec. Cor. Marked 1/4 on W face and raised a mound of stone 2 ft. base 1½ ft. high W. of cor. Pits impracticable From which an aspen 3 ins diam bears S 85° E 0 lks dist marked 1/4 S.B.T.

Subdivisions of T 6 S R 3 E

chains	In aspen 3 ins diam bears West 8 lks dist Marked 1/4 S.B.T.	
	From which J N Muhlestein house bears S 88°-17' E 20.00 chs dist	See note 4 - pa 1 - Cor. notes
	J N Leichty's house bears S 86°-16' W 21 chs dist	
	East edge of cult Land bears West 11 chs dist	
	West edge of cultivated land bears West 35.00 chs dist	
40.70	Road bears E and W.	
60.00	Hollow drains S.W.	
80.00	Set a Quartzite stone 24x8x4 ins 18 ins in the ground for Cor to Secs 22, 23, 26 and 27 marked 2 nd chs on S & E edges and raised a mound of Sto 2 ft base, 1 1/2 ft high W of Cor Pits impracticable	See note 5. pa 1 - Cor. notes
	From which a black balsam bears N 10° E 25 lks dist marked T 6 S R 3 E. S 23. B.T.	
	A Maple 6 ins diam bears N 30° W 3 lks dist Marked T 6 S. R 3 E. S 22 B.T.	
	Land Mountainous and flat	
	Soil rocky, gravelly: 1st and 4th rate	
	Dense Oak and Aspen undergrowth	
	Land Mountainous on 76.38 chs	
	Sept 5th at this Cor I set off 6°-42' N on the decl arc and at 12h 3m P.M.T. observe the sun on the meridian	
	The resulting lot is 40°-17' N which is about 0.5 more than the proper lot	
	S 89°-51' E on a random line bet Secs 23 and 26	
40.00	Set Temp 1/4 Sec. Cor.	
79.75	Intersect N and S line 30 lks S of the Cor to Secs 23, 24, 25 and 26	
	Thence I run	
	S 89°-56' W on a true line bet Secs 23 and 26	
	Over Mountains	
2.00	Hollow drains S	
5.00	Ridge bears N and S	
13.50	Gulch drains S	
17.00	Ridge bears N and S	
26.50	Gulch drains S	
30.00	Ridge bears N and S	
34.25	Gulch drains S	
39.87	Set a Quartzite stone 24x12x6 ins, 18 ins in the grou	

Subdivisions of T 12 S R 3 E

Chains	
	for 1/4 Sec Cor marked 1/4 on N face and raised a mound of stone 2 ft. base 1 1/2 ft. high N of Cor. Pits impracticable
42.25	Ridge bears N and S
52.00	Gulch drains S.W.
66.00	Ridge bears N and S
79.75	The Cor to Secs 22, 23, 26 and 27
	Land Mountainous
	Soil rocky; 4th rate
	Dense Oak undergrath
	Land Mountainous on 79.75 chs.

X

Sept 5th. At 2h p.m. L.M.T. I set off 40°-17' N on the lat arc 6°-40' N on the decl arc and determine a true meridian with the Solar at the Cor to Secs 22, 23, 26 and 27

Thence I run

West on a random line bet Secs 22 and 27

40.00	Set Temp 1/4 Sec Cor
81.60	Intersect N and S line 70 lks N of the Cor to Secs 21 and 28 which is a lime stone 6x10x6 ins above ground marked with 3 notches on E and 2 notches on S edges and mound of stone alongside, where I set a lime stone 18x10x8 ins. 12 ins in the ground, for closing Cor to Secs 22 and 27 marked C.C. on E with 3 notches on E and 2 notches on S edges and raised a mound of stone 2 ft. base 1 1/2 ft. high E of Cor. Pits impracticable
	From which a Maple tree 4 ins diam bears N 31° E 43 lks dist marked T. 6 S. R. 3 E. S. 22 B.T.
	A Maple tree 3 ins diam bears S 36°-30' E 85 lks dist marked T 6 S. R. 3 E. S. 27 B.T.
	An Aspen tree 6 ins diam. bears S 14° W 180 lks dist marked T. 6 S. R. 3 E. S 28 B.T.
	An Aspen 6 ins diam bears N 66°-30' W 176 lks dist marked T. 6 S. R. 3 E. S. 21 B.T.

See Note 6. Page 1 - Cor. Notes.

B

Thence I run

East on a true line bet Secs 22 and 27

Over Mountains

15.00	Spring branch in Cañon flows S.E.
16.00	Road bears N W and S.E.
22.50	Ridge bears N.E. and S.W.
33.00	Gulch [illegible] ins S.W.

See Note 7. Page 1 - Cor. Notes

Subdivisions of T 6 S R 3 E

41.60 At a Quartzite Stone 30 x 15 x 6 ins. 22 ins in the ground for 1/4 Sec. Cor. Marked 1/4 on N face and raised a mound of Stone 2 ft. base, 1½ ft. high
No other Pits impracticable
From which an Oak tree 4 ins diam bears N 69° E 110 lks dist Marked 1/4 S. B.T.
An Oak tree 3 ins diam bears S 32° E 40 lks dist Marked 1/4 S. B.T.

81.60 The Cor to Secs 22, 23, 26 and 27
Land Mountainous
Soil rocky; 4th rate
Oak and Aspen undergrowth
and Mountainous on 81.60 Chs.

Note - In order to locate the improvements made by Emil Muhlestein and F. B. Leichty, I retrace the line bet Secs 21 and 22

The old survey having been made on a Variation of 17° 00' E.

I run from the Cor to Secs 21 and 28 N 0° 30' W. bet Secs 21 and 22

0.70 The closing Cor to Secs 22 and 27
3.50 Enter cultivated land bears N.W. and S.E.
9.00 Leave " " " N.W. and S.E.
9.20 Spring branch flows S.E.
10.00 Spring bears W. 7.00 chs dist
10.25 Emil Muhlesteins house bears W 10 lks dist
30.00 Gulch drains S.E.
40.00 Sand Stone 6 x 12 x 8 ins above ground marked 1/4 on W face and mound of Stone alongside
78.00 Gulch drains S.W.
79.15 The Cor to Secs 16 and 21 which is a granite Stone 7 x 8 x 6 ins above ground Marked with 3 notches on S and E edges and mound of Stone alongside No bearing trees.
Land Mountainous
Soil rocky; 4th rate
Dense undergrowth
Land Mountainous on 79.15 chs

September 5th 1895

See note 7 - Pa 1 - Cor. Notes

See note 8 - Pa 1 - Cor. Notes

Subdivisions T. 6 S., R. 3 E.

Chains September 6th 1895
N 0° 2' W. bet Secs 22 and 23
Over Mountains
34.00 Dividing ridge bears N.W. and S.E.
40.00 Set a Sand Stone 16x12x6. ins 10 ins in the ground for 1/4 Sec. Cor. Marked 1/4 on W face and raised a mound of stone 2 ft. base, 1½ ft. high W of Cor. Pits impracticable
Descend
80.00 Set Sand Stone 18x12x12 ins 12 ins in the ground for Cor to Secs 14, 15, 22 and 23 and raised a mound of stone 2 ft. base, 1½ ft. high W. of Cor Pits impracticable
Land Mountainous
rocky 4th rate
Brush undergrowth
and Mountainous on 80.00 chs.
Sept 6th at this Cor I set off 6° 20' N on the declination and at 12h noon L.M.T. observed the Sun on the Meridian. The resulting Lat is 40° 17' N which is about 0.4' less than the proper Lat.

N 89° 56' E on a random line bet Secs 14 and 23
40.00 Set Temp 1/4 Sec. Cor.
80.20 Intersect N and S line 7 lks S of the Cor to Secs 13, 14, 23 and 24
Pine Brush
S 89° 53' W. on a true line bet Secs 14 and 23
3.50 Gulch drains N.E.
20.00 Ridge bears N.E. and S.W.
26.00 Gulch drains N.E.
37.00 Ridge bears N and S
40.15 Set Sand Stone 16x8x5 ins 10 ins in the ground for 1/4 Sec. Cor. Marked 1/4 on N face and raised a mound of stone 2 ft. base, 1½ ft high N of Cor Pits impracticable
44.50 Hollow drains N.E.
61.00 Ridge bears N.E. and S.W.
65.00 Gulch drains N.E.
— 80.30 The Cor to Secs 14, 15, 22 and 23
Land Mountainous
Soil 4th rate

Subdivisions of T 6 S R 3 E

Chains Dense undergroth
Land Mountainous on 80.30 Chs

Sept. 6th At 2h 30m L.M.T. I set off 40°18' N on the lat arc 6°17' N. on the decl. arc and determine a true meridian with the Solar at the Cor to Secs 14, 15, 22 and 23
Thence I run
West on a random line bet Secs 15 and 22
40.00 Set temp 1/4 Sec. Cor.
82.45 Intersect N and S line 110 lks N of the Cor to Secs 16 and 2 which is a granite stone 7x8x6 ins above ground marked with 3 notches on S and E edges and mound of stone along No bearing trees; where I set a sand stone 22x12x5 ins 16 ins in the ground for closing Cor to Secs 15 and 22 M C.C. on E with 3 grooves on E and S faces and raised a mound of stone 2 ft. base, 1½ ft. high E of Cor Pits impractica From which a Maple tree 3 ins diam bears S 50° E 15 lks dist Marked T. 6 S. R. 3 E. S. 22 B.T.
A Maple tree 4 ins diam bears N 75° E 110 lks Marked T. 6 S. R. 3 E. S. 15 B.T.
Thence I run
East on a true line bet Secs 15 and 22
Over Mountains
2.50 Gulch drains S.W.
33.00 At foot of perpendicular cliff set a Quartzite stone 30x1 x8 ins 24 ins in the ground for witness 1/4 Sec Cor Marked 1/4 W.C. on N face and raised a mound of stone 2 ft. base, 1½ high N of Cor Pits impracticable
42.45 Point for 1/4 Sec Cor falls in cliffs
50.00 Dividing ridge bears N and S
82.45 The Cor to Secs 14, 15, 22 and 23
Land Mountainous
Soil rocky; 4th rate
Dense undergroth
Land Mountainous on 82.45 chs
September 6th 1895

September 7th 1895
N 0° 2' W bet Secs 14 and 15.
8.50 Cliff 30 ft. high

Subdivisions 6S-R3E

10.00 Ridge bears E and W
12.50 Cliff about 50 ft. high
20.00 Gulch drains S.E.
40.00 Set a Sand Stone 15×12×8 ins. 10 ins in the gro
r 1/4 Sec Cor Marked 1/4 on W face and raised a m
of stone 2 ft. base. 1 1/2 ft. high W of Cor
Pits impracticable
46.50 Ridge bears N.W. and S.E.
48.50 Gulch drains S.E.
77.00 Ridge bears E. and W.
80.00 Set a Lime Stone 20×15×6 ins 15 ins in the ground for Cor
to Secs 10, 11, 14 and 15 marked with 4 notches on S and 2
notches on E edges and raised a mound of stone 2 ft. base
1 1/2 ft. high W of Cor. Pits impracticable
Land Mountainous
Soil rocky: 4th rate
Dense undergroth
Land Mountainous on 80.00 chs.
Sept 7th At this Cor I set off 5°-57' N on
the decl. arc and at 12h noon L.M.T. obsen
the Sun on the meridian. The resulting
lat is 40°-18' N. which is about 0.2' less than
the proper lat

N 89°-53' E on a random line bet Secs 11 and 14
40.00 Set temp 1/4 Sec. Cor
80.00 Intersect N and S line 5 lks S of the Cor to
Secs 11, 12, 13 and 14
Thence I run
S 89°-51' W on a true line bet Secs 11 and 14
Over Mountains
5.00 Spur ridge bears N and S
40.00 Set a Sand Stone 15×12×6 ins. 10 ins in the
ground for 1/4 Sec Cor Marked 1/4 on N face
raised a mound of stone 2 ft. base. 1 1/2 ft. high
N. of Cor. Pits impracticable
From which a red pine 12 ins diam bears
North 20 lks dist Marked 1/4 S.B.T.
65.00 Spur ridge bears N and S
70.00 Gulch drains S

Subdivisions of T. 6 S., R. 3 E.

Chains Land Mountainous
Soil rocky; 4th rate
Dense Oak undergrowth
Land Mountainous on 80.00 chs.

September 7th at 2h 30m p.m. I set off 40° 19' N on the lat. arc 5° 55' N on the dial arc, and determine a True meridian with Solar attachment to Secs 10, 11, 14 and 15

Thence I run

West on a random line bet Secs 10 and 15

40.00 Set Temp 1/4 Sec. Cor.

83.25 Intersect N and S line 100 lks N of the Cor to 9 and 16 which is a granite Stone 12 x 15 x 10 above ground marked with 4 Notches on S. 3 Notches on E. edges and mound of Stone along side, No bearing Trees. There I set a Lime Stone 16 x 12 x 10 ins. 10 ins in the ground for closing Cor to Secs 10 and 15 marked C.C. on the E with 3 grooves on E and 4 grooves on S. faces and raised a mound of Stone 2 ft. base, 1½ ft. high E. of Cor. Pits impracticable

Thence I run

East on a true line bet Secs 10 and 15

Over Mountains

Ascend

43.2 Set a Lime Stone 14 x 12 x 10 ins. 10 ins in the ground for 1/4 Sec. Cor. Marked 1/4 on N face and raised a mound of Stone 2 ft. base, 1½ ft. high N. of Cor. Pits impracticable

50.00 Dividing ridge bears N.W. and S.E.

83.25 The Cor to Secs 10, 11, 14 and 15

Land Mountainous
Soil rocky; 4th rate
Scattering pine timber
Oak undergrowth
Land Mountainous on 83.25 chs.

September 7th 1859

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Subdivisions , 6 S, R 3 E.

Chains	
	September 9th 1895
	From the Cor to Secs 1, 2, 11 and 12
	I run
	S 89°-51' W on a random line bet Secs 2 and 11
40.00	Set temp 1/4 Sec. Cor.
84.05	Intersect N and S line 75 lks N of the S.E. Cor to sec 3 which is a lime stone 6 x 12 x 6 ins above ground marked with 5 notches on S and 2 notches on E edges and mound of stone alongside No bearing trees; where I set a granite stone 26 x 12 x 7 ins 20 ins in the ground for closing S W Cor of sec 2. Marked C.C. on E with 2 grooves on E face and raised a mound of stone 2 ft. base, 1½ ft high E of Cor Pits impracticable
	From which a pine 8 ins diam bears N 70° E 10 lks dist marked T. 6 S. R. 3 E. S. 2 B.T.
	Thence I run
	N 89°-51' E. on a true line bet Secs 2 and 11
44.05	Set a Lime Stone 16 x 12 x 7 ins 10 ins in the ground for 1/4 Sec. Cor. Marked 1/4 on N face and raised a mound of stone 2 ft. base, 1½ ft. high N of Cor. Pits impracticable
	From which an aspen tree 4 ins diam bears S 20° 5 lks dist marked 1/4 S.B.T.
	An aspen tree 5 ins diam bears N 70° E 25 lks dist Marked 1/4 S.B.T.
57.00	Gulch drains N
78.00	Spur ridge bears N.W. and S.W.
80.00	Hollow drains N.W.
82.00	Ridge bears N W and S.
84.05	The Cor to Secs 1, 2, 11 and 12
	Land Mountainous
	Soil rocky; 4th rate
	Dense undergrowth
	Land Mountainous on 84.05 chs

See Note 9. Page 1 - Cor. es

Knowing from the length of the line bet Secs 2 and 11 that I will fall outside of the closing dist

I run

	N 0° 2' W on a true line bet Secs 10 and 11
	Over Mountains
2.00	Hollow drains E

Subdivisions of T. 6 S. R. 3 E.

Chains

8.50 Spur ridge bears E. and W.
10.00 Hollow drains S.E.
25.00 Dividing ridge bears E. and W.
37.00 Gulch drains S.E.
40.00 Set a Quartzite stone 14x10x8 ins. 10 ins in the ground for 1/4 Sec. Cor. marked 1/4 on W face, and raised a mound of stone 2 ft. base, 1 1/2 ft. high W. of Cor. Pits impracticable
56.00 Ridge bears N.W. and S.E. thence N.E.
80.00 Intersect E. and W. line 3.60 chs. E. of the closing Cor. to Sec. 2
Where I set a Lime Stone 18x12x10 ins. 12 ins in the ground for closing Cor. to Secs 10 and 11 marked C.C. on the S. with 5 grooves on the S. and 2 grooves on the E. faces, and raised a mound of stone 2 ft. base, 1 1/2 ft. high S.
Pits impracticable
Land Mountainous
Soil rocky 4th rate
Dense Oak undergrowth
Land Mountainous on 80.00 chs.
September 9th At this Cor I set off 5° 12' N on the dec. arc: and at 12h noon, observe the sun on the meridian. The resulting lat is 40° 19' N

Sept 9th

At the Cor to Secs. 9 and 16 which is a granite stone 12x15x10 ins above ground marked with 4 no on 3 and 3 notches on 8 edges and mound of stone alongside. No bearing trees. At 2h p.m. L.M.T. I set off 40° 18' N on the lat arc: 5° 10' N on the dec. arc: and determine a true meridian with the Solar.

Thence Iron

N 0° 3' W. on a random line bet Secs 9 and 10
40.00 Set Temp 1/4 Sec. Cor.
80.60 Intersect E and W line 2 lks E of the Cor to Secs 3 and 4

Subdivisions of T. 6 S. R. 3 E.

Chains	Three Arm
	50° E on a true line bet Secs 9 and 10
15.00	Dividing ridge bears N.W. and S.E.
20.00	Spur ridge bears N.E. and S.W.
40.60	Set Lime Stone 12x12x6 ins 8 ins. in the ground for 1/4 Sec. Cor. Marked 1/4 on the W. face. and raised a mound of stone 2 ft. base. 1½ ft. high W. of Cor. Pits impracticable
68.00	Gulch drains N
79.60	The closing Cor. to Secs. 10 and 15
80.60	The Cor. to Secs 9 and 16
	Land Mountainous
	Soil rocky 4th rate
	Oak undergrowth
	Land Mountainous on 80.60 chs.

September 9th 1895

General description

Thus, Fractional Tp. is mountainous. The soil is rocky and 4th rate with the exception of some good land in Secs. 26, 27 and 22, where the soil is 1st class.

There is some pine and Quaking asp timber in the Fractional Tp.

There is also some coal prospects in Secs. 35 and 27.

There are numerous springs, in Secs 26 35 and 27. which afford sufficient water for the irrigation of the cultivated land in Secs 26 and 27. There is also a spring in Sec 12 and a small creek flowing through the N.W. 1/4 of Sec 1

J. N. Muhlestein and J. W. Leichty have Made settlements in the S.E. 1/4 of Sec 27. They have about 40 acres under cultivation and about 500 rods fencing. Emil Muhlestein and [illegible] acres in the E 1/2 Sec

21 on surveyed land. Their improvements are mostly in Sec 21. Emil Muhlestein has some cultivated land in lot 4 Sec 22.

The whole fractional Tp. is used extensively for grazing purposes for cattle and horses of the citizens of Provo and neighboring towns. Herds of sheep also range during the summer.

With the exception of the settlers above numerated I was unable to find any other evidences of settlement in the fractional Tp.

Henry Fitzhugh
Nicholas Fitzhugh
U. S. Dep.

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PAGE

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Correction Notes
Subdivisions Tp. 6 S. R. 3 E.

Note No.	
1	This is a clerical error. This tree is about 18 ins. dia. and marked 2 notches on N. and S. sides.
2	This is a clerical error. This corner will be found in the field marked with 3 grooves on E. and 1 groove on S faces.
3	This is a clerical error. This Spring branch is 3 lks. wide.
4	This is a clerical error. The course to J. N. Muhlestein's house is S. 88° 17' W.
5	This is a clerical error. These ledges should be referred to in the notes at distances of 64 and 69 chs. respectively
6	This is a clerical error. This corner will be found in the field marked with 3 grooves on E. and 2 grooves on S. faces
7	This is a clerical error. This Spring branch is about 2 sks. wide
8	I was unable to accurately locate the improvements of F. B. Leichty from this line - I was however able to determine positively that he was located upon ground already surveyed.
9	This is a clerical error. This Corner is also marked 5 grooves on the S. face.

Henry Fitzhugh
Nicholas [illegible]
M. S. Deputy Surveyors

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236
234-235
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List of Names.

A lis of the names of the individuals employed by Henry Fitzhugh and S Fitzhugh, U. S. Deputy Surveyors, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the survey of the Subdivision Lines of Tp. 6 S. R. 3 E

Salt Lake Meridian, in Utah Territory, showing the respective capacities in which they acted:

John M. Muhlestein — Chainman
Emil Muhlestein — "
Friedrich B. Liechty — Axeman
John W. Liechty — "

Final Oath of Assistants:

We hereby certify that we assisted Henry Fitzhugh and S Fitzhugh, U. S. Deputy Surveyors, in surveying all those parts or portions of the Subdivision Lines of T. 6 S. R. 3 E.

Salt Lake Meridian, Utah Territory, as are represented in the foregoing field notes as having been surveyed by ~~him~~ Mine and under ~~his~~ Their 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 U. S. Surveyor General for Utah Territory.

John M. Muhlestein Chainman
Emil Muhlestein "
Friedrich B. Liechty Axeman
John W. Liechty "

Subscribed and sworn to before me this 19th day of November, 1895

SEAL

E. Jones
Clerk of the County Court
Utah County, U.T.

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Final Oath of U. S. Deputy Surveyor.

I, Henry Fitzhugh and Nicholas Fitzhugh, U. S. Deputy Surveyor solemnly swear that, in pursuance of instructions received from George W. Sinnock, U Surveyor General for Utah Territory, bearing date of the 8th da March, 1895, I have well, faithfully, and truly, in my own proper person and in s conformity with the instructions furnished by the U. S. Surveyor General for Utah, surveying manual, and the laws of the United States, surveyed all those parts or portions of the Subdivision of Sp. 6 S. R. 3 E.

Salt Lake Meridian, in the Territory of Utah, as are represented in the going field notes as having been surveyed by me, and under my directions; and I do further solemnly swear tha the corners of said survey have been established and perpetuated in strict accordance with the surveying ma printed instructions, the special written instructions of the U. S. Surveyor General for Utah, and in the specific manner described in the field notes, and that the foregoing are the true field notes of such sur and should any fraud be detected, I will suffer the penalty of perjury under the provisions of an Act of Con approved August 8, 1846.

Henry Fitzhugh
Nicholas Fitzhugh
U. S. Deputy Survey

Subscribed and sworn to before me this 19th day of December, 1895

SEAL

George W. Sinnock
U. S. Surveyor

Approval.

Office of the U. S. Surveyor General,

Salt Lake City, Utah, June 23, 189

The foregoing field notes of the survey of the subdivisions of S 6 South Range 3 East of the Salt Lake Base & Utah Territory

execu

Henry Fitzhugh and Nicholas Fitzhugh

under his Contract No. 200, dated March 8th, 1895 having been cri examined, the necessary corrections and explanations made, the said field notes, and the surveys they describ hereby approved.

U. S. Surveyor Gen

I certify that the foregoing transcript of the field notes of the above-described surveys in _____, has been correctly copied from the original notes on file in this office.

U. S. Surveyor Gen

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BOOK A-240

FIELD NOTES

OF THE SURVEY OF

E and S. Exterior lines of

Township Seven South Range Three East and

~~Township Twelve South Range Three East~~

Of the Salt Lake Meridian,

Territory of Utah

AS SURVEYED BY

Fitzhugh and Nicholas Fitzhugh, U. S. Deputy Surveyor,s

er ~~his~~ their Contract No. 200, dated March 8th 1895.

vey commenced September 10th, 1895.

ey completed September 13th, 1895.

(12503—2,000.)

6.00.20 x

Cont 2 00 00 ✓

Names and Duties of Assistants.

Andrew J Stewart Jr	Chairman
Scott P Stewart	"
John R Stewart	"
Don W Conover	"
Wayne F Preston	Alternate
Thomas Barnard	"

BOOK A-240

INDEX DIAGRAM.

Township 7S . *Range* 3E

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Meanders Page.....

BOOK A-240

Preliminary Oaths of Assistants.

We, Andrew J. Stewart Jr. Scott P. Stewart John R. Stewart and Don W. Cownover

do solemnly swear that we will well and faithfully execute the duties of chain carriers; that we will level the over even and uneven ground, and plumb the tally-pins either by sticking or dropping the same; that we will the true distance to all notable objects, and the true lengths of all lines that we assist in measuring, to the best skill and ability, and in accordance with instructions given us in the survey of the Exterior L of ~~Township Six South Range Four East,~~ Township Seven South Range Three East and Township T South Range Three East.

Andrew J. Stewart Jr, Chainm
Scott P. Stewart, Chainm
John R. Stewart, Chainm
Don W. Cownover, Chainm

Subscribed and sworn to before me this 2nd day of September, 1895

E. L. Jones
Clerk of the County Court Utah County U.T.

We, Wayne F. Preston and Thomas Barnard

do solemnly swear that we will well and truly perform the duties of axemen in the establishment of corners an duties, according to instructions given us, and to the best of our skill and ability, in the survey of the Exterior lines of Township Seven South R Three East & Township Twelve South Range T East.

Subscribed and sworn to before me this 2nd day of September, 1895

Wayne F. Preston, Ax
Thomas Barnard, Ax

E. L. Jones
Clerk of the County Court Utah County U.T.

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Contingent
Resurvey of S bdy. T 7 S R 3 E

Chains

Survey commenced September 10th 1895 with a W. & L. E. Gurley light mountain transit with solar attachment. The horizontal limb is provided with two double verniers placed opposite to each other, reading to single minutes of arc: which is also the least count of the verniers of the latitude and declination arcs.

The instrument was examined tested on the true meridian at Salt Lake City found correct and was approved by the surveyor general for Utah October 16th 1894

I examine the adjustment of the transit and correct the level and collimation errors: then, to test the solar apparatus, by comparing its indications, resulting from solar observations made during A.M. and P.M. hours, with a true meridian determined by observations on Polaris I proceed as follows

September 10th At the large spring in the E ½ of the S.W. ¼ of sec 35 T 7 S R 3 E latitude 40°10½' N. longitude 111°34.7' W I set off 40°10' N. on the lat. arc; 4°46' N on the decl. arc: (these settings being the nearest practicable to the true minutes and fractions thereof required) and at 3h30m L.M.T. determine with the solar a true meridian and mark a point thereof on a stone firmly set in the ground 5.00 chs. N of my station

At 8h06m L.M.T. I observe polaris at eastern elongation, in accordance with Manual of Instructions, and mark a point in the line thus determined, on a plug driven in the ground 5.00 chs. N of my station

September 10th 1895

September 11th 1895: At 7h45m L.M.T. I lay off the azimuth of Polaris 1°38' to the West and mark the true meridian thus determined by cutting a small groove in the stone set Sept. 10th on which the true meridian falls at the mark determined by the solar

Resurvey of S bdy T 7 S R 3 E.

Chains

At 8 0m a.m. L.M.T. I set off 40 10' N. on the last one: 4 30' N on the decl. one: and mark a point on the true meridian determined with the Solar by a cross on the stone already set 5.00 chs. N. of my station: this mark falls 0.25 ins east of the true meridian established by the Polaris observation

The Solar apparatus by p.m. and a.m. observations defines positions for the true meridian respectively at and about 0'13" east of the meridian established by the Polaris observations: therefore I conclude that the adjustments of the instrument are satisfactory-

The magnetic bearing of the true meridian at 8h-0m a.m. is N 16 30 W the angle thus determined reduced by the Table page 100 gives the mean Mag: decl. 16 27' East

---

Preliminary to commencing the survey of the east bdy. of this Tp. I begin at the cor to Secs 2. 3. 34 and 35 Tps 7 and 8 S Rg 3 East which is a Lime Stone 9x10x6 ins above ground marked with 2 notches on E and 4 notches on W edges and mound of stone alongside, I run east on a blank line on S side of Sec 35. at 40.00 chs. I find the 1/4 Sec. Cor and at 80.00 do not find the Cor. to Secs. 1. 2. 35 and 36: therefore I continue my line East at 120.00 chs. find the 1/4 Cor lying down and at 2 miles do not find the cor. to Tps 7 and 8 S Rgs. 3 and 4 E. I resurvey the S side of Secs 35 and 36. T 7 S R 3 E. as follows.

Returning to the Cor of Secs 2. 3. 34 and 35 Tps 7 and 8 S. Rgs. 3 E.

I run

East bet Secs 2 and 35

7.61	Fence bears N and S. Enter cultivated land	
13.70	Corral fence bears N and S	
14.65	E. side of shed	
17.72	Fence bears S 40° W	
18.20	" Creek 0.6 Lks wide 3 ins	S 50° W

Resurvey of 5. bdy. T. 7 S. R. 3 E.

Chains

20.80 Fence bears S 60° E and N 60° W. Leave Cultivated l

26.50 Hannah Rechnitzer's house bears N about 15.00 Chs.

28.00 ~~Spring~~ Irrigating ditch ~~branch~~ flows S.E. — See note 1 - pa 1 Cor. notes

31.50 Irrigation ditch flows S 45° E

35.00 Large Spring bears N 20.00 Chs.

40.00 Intersect old 1/4 Sec. Cor. which is a Sand Stone 8x12x10 ins above ground marked 1/4 on N and mound of Stone alongside

43.00 Hollow drains S.W.

53.80 Wash drains S.W.

80.00 Set Sand Stone 14x10x6 ins, 10 ins in the for Cor. to Secs. 1. 2. 35 and 36 marked with 1 notch on the E and 5 notches on the W. edge and raised a mound of Stone 2 ft. base. 1 1/2 ft. high N. of Cor. Pits impracticable — See note 2 - pa 1 - Cor. Notes

Land mountainous and flat

Soil rocky, gravelly: 1st and 4th rate

Oak brush

Land Mountainous for 80.00 Chs.

Sept 11th At this Cor. I set off 4°-26' N. on the decl. arc and at 12h noon observe the Sun on the meridian the resulting lat is 40°-10' N

East bet Secs 1 and 36

7.00 Ridge bears N.E. and S.W.

10.25 Hollow drains S.E.

20.00 Ridge bears N and S

25.50 Hollow drains S.W.

31.00 Ridge bears N E and S.W.

35.00 Hollow drains S.W.

40.00 On a ridge bears N E and S.W. reset 1/4 Sec. Cor which is a Sand Stone 18x11x8 ins. 12 ins in the ground, marked 1/4 on N face, and r a mound of Stone 2 ft. base 1 1/2 ft. high N. of Cor. Pits impracticable

50.00 Hollow drains S.W.

70.75 Ridge bears N W and S E

76.50 Flat hollow drains S.E.

80.00 Set a Lime Stone 40x10x10 ins. 30 ins in the Cor. to T 7 and 8 S 3 and 4 E

East bdy T 7 S R 3 E.

	Chains	Marked with 6 notches on each edge, and raised a mound of stone 2 ft. base 1½ ft. high S. of cor. Pits impracticable September 11th 1895

Sept 12th 1895

Thence I run

North bet Secs. 31 and 36 on a random line along the East boundary of T 7 S R 3 E setting temp ¼ Sec. and Sec. Cors. at intervals of 40.00 chs. and at 480.20 chs. intersect E and W. line bet Tps 6 and 7 S. 30 lks. E of the Cor to Tps 6 and 7 S Rgs 3 and 4 E. Set on the Survey made by me Aug. 7th 1895. The falling answers to a correction of 0°2' or 6 lks. W. per mile counting from the S.E. cor of the Tp. therefore I run

N 0°2' W bet Secs. 31 and 36

Over Mountains

35.00 Ridge bears S.E. and N.W.

40.00 Set a Quartzite stone 20 x 8 x 6 ins. 15 ins in the ground for ¼ Sec Cor. Marked ¼ on W face and raised a mound of stone 2 ft. base 1½ ft. high W. of cor. Pits impracticable

53.50 Ridge bears N.E. and S.W.

— 58.00 A Maple Tree 6 ins diam. for cor to Secs 25 30, 31 and 36. Marked T 7 S. S 30 on N.E. ¼ & E S 31 on S.E. S 36 on S.W. and S 25 on N.W. sides with 1 notch on S and 6 notches on N sides

From which a maple 4 ins diam bears N 45° E 12 lks. dist. marked T 7 S R 4 E S 30 B T

A maple Tree 3 ins diam bears N 70° W 21 lks. dist Marked T 7 S R 3 E S 25 B.T.

East bdy T 7 S R 3 E

Chains	A Maple 3 ins diam bears S 50° E 35 lks dist marked T 7 S R 4 E S 31 B.T.
	A Maple 6 ins diam bears S 50° W 110 lks dist marked T 7 S R 3 E S 36 B.T.
	Land mountainous
	Soil rocky: 4th rate
	Dense Oak undergroth
	Land Mountainous for 80.00 chs.
	September 12th At this Cor. I set off 4°.04' N on the decl. arc. and at 12h noon L.M.T. observe the sun on the meridian the resulting lat is 40°11' N.
	N 0°2' W. bet Secs. 25 and 30
9.00	Ridge bears N.E. and S.W.
20.00	Head of hollow drains W
24.00	Ridge bears N.W. and S.E.
40.00	On Ridge bears N and S. Set a Sand Stone 18×12×9 ins. 12 ins in the ground for 1/4 Sec. Cor. marked 1/4 S. on W face. and raised a mound of Stone 2 ft. base 1½ ft. high W. of Cor.
	Pits impracticable
	From which an oak 3 ins diam bears S 20° E 6 lks dist. marked 1/4 S.B.T.
	An aspen 6 ins. diam bears ~~S~~ 6° E 75 lks dist marked 1/4 S.B.T.
80.00	On Ridge bears S and N.W. Set a Sand Stone 36×24×8 ins. 27 ins in the ground for Cor to Secs. 19, 24, 25 and 30. Marked with 2 notches on S and 4 notches on N edges and raised a mound of Stone 2 ft. base. 1½ ft. high W. of Cor. Pits impracticable
	Land mountainous
	Soil rocky. gravelly: 1st and 4th rate
	Scattering Scrubby pine and aspen
	Dense Oak brush
	Land mountainous for 80.00 chs.
	September 12th At 2h p.m. L.M.T. I set off 40°12' N on the lat arc: 4°2' N on the decl. arc and determine a true meridian at the Cor.

East Bdy. T. 7 S. R. 3 E.

Chains	to Secs 19, 24, 25 and 30.
	Thence I run
	N 0° 2' W bet Secs 19 and 24
	Over mountains
9.00	Gulch drains E
20.00	Spur ridge bears N.W. and S.E.
40.00	On spur ridge bears N.W. and S.E. Set a sand stone 20x12x6 ins. 15 ins in the ground for 1/4 Sec. Cor. Marked 1/4 on W. face and raised a mound of stone 2 ft. base 1½ ft. high W. of Cor. Pits impracticable.
55.00	Spur ridge bears N.E. and S.W.
77.50	Gulch drains E
80.00	Set a sand stone 30x18x12 ins 24 ins in the ground for Cor. to Secs 13, 18, 19 and 24 marked 7 S on N.E., 4 E on S.E., 7 S. on S.W., and 3 E on N.W. faces with 3 notches on N and S edges and raised a mound of stone 2 ft. base 1½ ft. high W. of Cor. Pits impracticable.
	Land mountainous
	Soil rocky 4th rate
	Dense undergrowth (Oak)
	Land mountainous for 80.00 chs.
	September 12th 1895

u. note 4 page Cor. notes

	September 13th 1895
	N 0° 2' W bet Secs. 13 and 18.
	Over mountains
10.00	Hollow drains E.
13.00	Ridge bears E and W
21.30	Hollow drains E
24.50	Spur ridge bears N.W. and S.E.
40.00	In aspen tree 6 ins diam. for 1/4 Sec. Cor. Marked 1/4 S on W. side
	From which an aspen 8 ins. diam bears S 60° W 20 lks dist marked 1/4 S.B.T.
	In aspen 5 ins. diam bears N 42° W 30 lks dist marked 1/4 S.B.T.
55.00	Canon drains E
65.00	Ridge bears N.W. and S.E.
74.50	Gulch drains S.E.

East Bdy. T. 7 S. R. 3 E.

Chains

80.00 Set a Sand Stone 28 x 12 x 8 ins. 20 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 and raised a mound of Stone 2 ft. base, 1½ ft. high W. of Cor. Pits impracticable.
From which an Aspen 8 ins. diam bears N 48° W. 220 lks dist. Marked T 7 S R 3 E S 12 B.T.
Land Mountainous
Soil rocky; 4th rate
Dense undergrowth (Oak)
Land Mountainous on 80.00 chs.
September 13th At this Cor I set off 3°-41' N on the arc; and at 12h noon L.M.T observed the Sun on the meridian the resulting Lat. is 40°-18' N

N 0°-2' W. bet Secs 7 and 12
Over Mountains
73.00 Ridge bears S.E. and N.W.
38.00 Hollow drains S.E.
40.00 Set a Sand Stone 16 x 10 x 4 ins. 10 ins. in the ground for ¼ Sec. Cor. Marked ¼ on W face and raised a mound of Stone 2 ft. base, 1½ ft. high W. of Cor.
Pits impracticable
49.00 Ridge bears N.W. and S.E.
77.50 Gulch drains S.E.
80.00 Set a Sand Stone 18 x 12 x 6 ins. 12 ins in the ground for Cor to Secs 1, 6, 7 and 12. Marked with 6 notches on S. and 1 notch on N edges and raised a mound of Stone 2 ft. base, 1½ high W. of Cor. Pits impracticable.
Land mountainous
Soil rocky; 4th rate
Scattering pine
Dense undergrowth (Oak)
Land Mountainous on 80.00 chs.

Sept 13th At 2h P.M. L.M.T I set off 40°14' on the Lat. arc; 3°-3' N on the decl. arc;

BOOK A-240

East bdy. T. 7 S. R. 3 E.

Chains	
	and determine a True meridian at the Cor. to Secs 1. 6. 7 and 12
	Thence I run
	N 0°-2' W bet Secs. 1 and 6
11.00	Ridge bears N.W. and S.E.
12.75	Wash in hollow drains S.E.
40.00	Set a Sand Stone 22x12x8 ins. 16 ins in the ground for 1/4 Sec. Cor. Marked 1/4 on W. face and raised a mound of stone 2 ft. base, 1/2 ft. high W. of Cor. Pits impracticable
46.00	Spur ridge bears S.E. and N.W.
65.00	Hollow drains S.E.
78.00	Spur ridge bears N.W. and S.E.
— 80.20	Thes Cor to Tps 6 and 7 S Rgs 3 and 4 E. in the Survey made by me Aug 7th 1895
	Land Mountainous
	Soil rocky. 4th rate
	Brush underwood (Oak)
	Land Mountainous on 80.20 Chs.

September 13th 1895

H. Henry Fitzhugh.
Nicholas Fitzhugh
U.S. Dept. Surveyors

Correction Notes. BOOK A-240

South and East boundary T. 7 S. R 3 E.

Note No.	
1.	Clerical error. This should be irrigating ditch.
2	Clerical error. The mound for this corner will be found on the W. side of corner in the field.
3	Clerical error. This corner will be found marked as follows in the field. 7 S. on N.E. 4 E. on S.E. 8 S. on S.W. and 3 E. on N.W. faces.
4	Clerical error. This corner should be marked without reference to Tp and range, and will be found so marked in the field.

Henry Fitzhugh
Nicholas Fitzhugh
U.S. Deputy Surveyors

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List of Names.

A list of the names of the individuals employed by _____

_____, U. S. Deputy Surveyor, to assist in running, measuring, and arking the lines and corners described in the foregoing field notes of the survey of the _____

_____

_____

_____

_____

_____

_____

_____Meridian, in _____, showing e respective capacities in which they acted:

_____

_____

_____

_____

_____

_____

_____

_____

Final Oath of Assistants:

We hereby certify that we assisted _____

_____, U. S. Deputy Surveyor, in surveying all se parts or portions of the _____

_____

_____

_____

_____

_____

_____

_____Meridian, _____, as are represented in the egoing field notes as having been surveyed by him and under his direction; and that said survey has been in all ects, to the best of our knowledge and belief, well and faithfully surveyed, and the corner monuments established, rding to the instructions furnished by the U. S. Surveyor General for _____

_____

_____

_____

_____

_____

_____

_____

_____

scribed and sworn to before me this _____

day of _____, 18 .

SEAL

_____

_____

I, ..., U. S. Deputy Surveyor, solemnly swear that, in pursuance of instructions received from ....., U Surveyor General for ....., bearing date of the .....day ....., 18 , I have well, faithfully, and truly, in my own proper person, and in st conformity with the instructions furnished by the U. S. Surveyor General for ....., surveying manual, and the laws of the United States, surveyed all those parts or portions of .....

.....

.....

.....

.....

.....Meridian, in the....., as are represented in the f going field notes as having been surveyed by me, and under my directions; and I do further solemnly swear that the corners of said survey have been established and perpetuated in strict accordance with the surveying manu printed instructions, the special written instructions of the U. S. Surveyor General for..... and in the specific manner described in the field notes, and that the foregoing are the true field notes of such surv and should any fraud be detected, I will suffer the penalty of perjury under the provisions of an Act of Cong approved August 8, 1846.

.....

U. S. Deputy Surveyo

Subscribed and sworn to before me this .....
day of ....., 18 .

SEAL

.....

.....

Approval.

Office of the U. S. Surveyor General,

Salt Lake City Utah June 20, 1876

The foregoing field notes of the survey of the exterior line of Township 7 South Range 3 East of the Salt Lake Base & Meridian Utah.

.....

.....

.....

.....

..... executed

Henry Fitzhugh and Nicholas Fitzhugh

under the Contract No. 200, dated March 8th, 1875, having been critica examined, the necessary corrections and explanations made, the said field notes, and the surveys they describe, a hereby approved.

George W. Snow

U. S. Surveyor General.

I certify that the foregoing transcript of the field notes of the above-described surveys in ...., has been correctly copied from the original notes on file in this office.

.....

U. S. Surveyor General.

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BOOK A-240

No. 8.

FIELD NOTES

OF THE SURVEY OF

Subdivisional lines of Township Seven South Range Three East

Of the Salt Lake Meridian,

Territory of Utah

AS SURVEYED BY

Henry F. Hough & Nicholas F. Hough U. S. Deputy Surveyors

Contract No. 700 dated March 8th 1895

Survey commenced September 13th 1895

Survey completed September 26th 1895

BOOK A-240

Names and Duties of Assistants.

Andrew J Stewart Jr — Chairman

Scott O Stewart

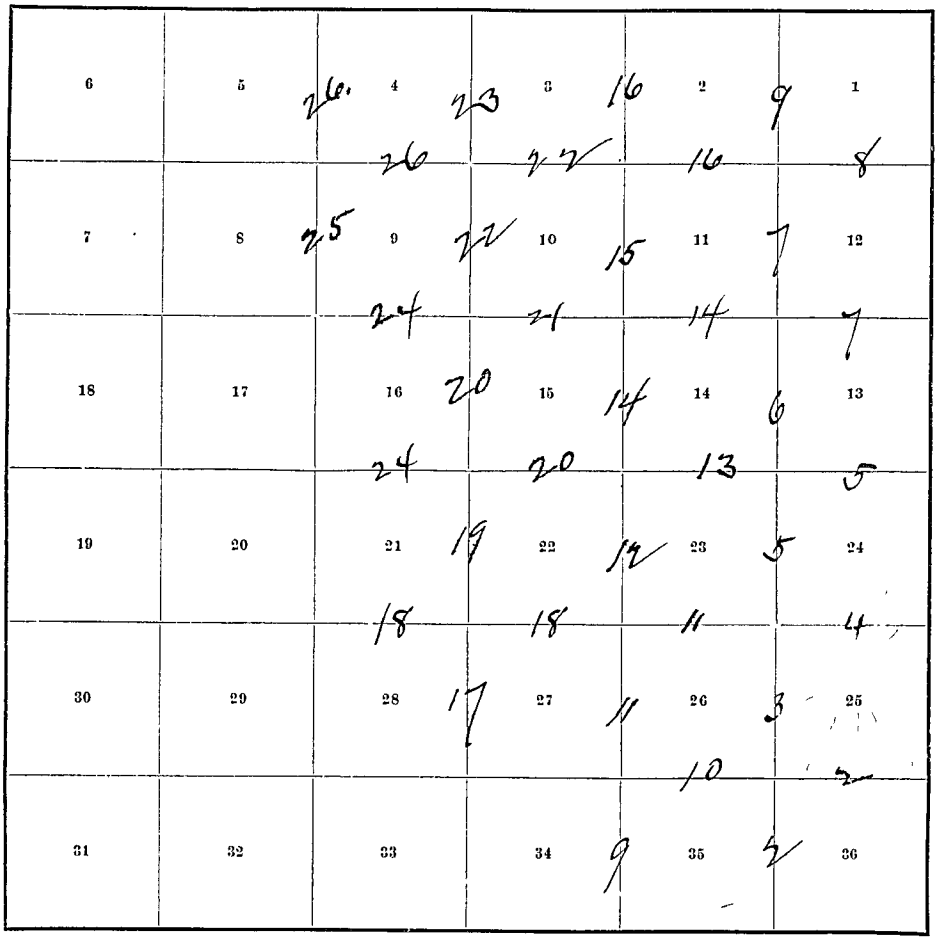
Wayne F Preston — Alternate

John R Stewart

BOOK A-240

INDEX DIAGRAM.

Township 7 S. , *Range* 3 E.



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We, Andrew J. Stewart Jr, Scott P. Stewart

do solemnly swear that we will well and faithfully execute the duties of chain carriers; that we will level th over even and uneven ground, and plumb the tally-pins either by sticking or dropping the same; that we will the true distance to all notable objects, and the true lengths of all lines that we assist in measuring, to the best skill and ability, and in accordance with instructions given us in the survey of the Township Seven S Range Three East (Subdivisional lines).

Andrew J Stewart Jr, Chainm

Scott P Stewart, Chainm

, Chainm

, Chainm

Subscribed and sworn to before me this 2nd day of September, 1895.

E Jones
Clerk of the County Court
Utah County N.T.

We, Wayne F Preston and John R Stewart

do solemnly swear that we will well and truly perform the duties of axemen in the establishment of corners and duties, according to instructions given us, and to the best of our skill and ability, in the survey of the Subdivisional lines of Township Seven South Rang Three East.

Subscribed and sworn to before me this 2nd day of September, 1895.

Wayne F Preston, Axem

John R Stewart, Axem

E Jones
Clerk of the County Court
Utah County
N.T.

Subdivisions of T. 7 S. R. 3 E.

Chains

Survey Commenced September 13th 189 with a W. & L. E. Gurley light mountain Transit with Solar attachment. The horizontal limb is provided with two verniers placed opposite to each other, reading to single of arc: which is also the least count of the verniers of the latitude and declination arcs.

The instrument was examined on the true meridian at Salt Lake City found correct and was approved by the Surveyor general for Utah October 16th 1894

I examine the adjustment of the Tc and correct the level and collimination errors: then to test the Solar apparatus, by comparing it's indications, resulting from Solar observations made during a.m. and p.m. hours with a true meridian determined by observations on Polaris I proceed as follows-

September 13th At the corral in the N.E. 1/4 of the NW. 1/4 of Sec 23. Latitude 40° 12.6' N Longitude 111° 34.6' W. I set off 40° 13' N on the lat. arc; 3° 36' N on the decl. arc (these settings being the nearest practicable to the true minutes and fractions hereof required) and at 5h L M T. I determine, with the Solar and mark a point a true meridian thereof on a plug driven in the ground 5.00 chs. N of my Station

At 7h 55m L.M.T. I observe Polaris on Eastern elongation in accordance with Manual of Instructions and mark a point in the line thus determined on a plug driven in the ground 5.00 chs N of my Station

September 13th 1895

Sep. 14th 1895 At 8h a.m. L M.T. I lay off the azimuth of Polaris 1° 38' to the west and Mark the True meridian thus determined by cutting a small groove in the plug at Sept. 13th on which the True meridian falls 0.25 ins east of the mark determined by the Solar

Chains At 8-30m a m L.M.T. I set off 40°-13' N on the lat. arc: 3°-21' N. on the decl arc: and mark a point on the true meridian determined with the Solar by a cross on the plug already set 5.00 chs. N. of my Station; this mark fall 0.25 ins W of the true meridian established by the Polaris observation-

The Solar apparatus by p.m. and a m observations defines positions for the true respectively about 0'.13" East and 0'13" west of the meridian established by the Polaris observations. therefore I conclude that the adjustments of the instrument are Satisfactory

The magnetic bearing of the true meridian at 8h 30m a m is N 16°-30' W the angle thus determined reduced by the Table page 100 gives the mean magnetic decl: 16°-27' East

From the cor to secs 1. 2. 35 and 36. on the S. bdy. of T 7 S R 3 E described in the resurvey made by me September 11th 1895-

I run

note 1-P Cor. ! N 0°-4' W bet secs 35 and 36

40.00 Set Lime Stone 18×10×10 ins. 12 ins in the ground for 1/4 sec. cor. marked 1/4 on W. face. and raised a mound of Stone 2 ft. base 1/2 ft. high W. of cor. Pits impracticable

59.00 Spring Creek, cañon drains S.W. Road in same l

80.00 Set Lime Stone 15×12×8 ins. 10 ins in the ground for Cor to secs 25. 26. 35 and 36. marked with 1 notch on S and E edges and raised a mound of Stone 2 ft. base. 1/2 ft. high W of Cor Pits impracticable

Land Mountainous

Soil. rocky. gravelly: 4th rate

Dense undergrowth (Oak)

Land Mountainous on 80.00 chs.

East on a random line bet 25 and 36

Subdivisions of T7SR3E.

Chains		
40.00	Set temp 1/4 Sec. Cor.	
80.20	Intersect E. bdy. of Tp 21 lks N. of the Cor to Secs 25. 30. 31 and 36. described in the Survey made by me September 12th 1895.	
	Thence I run	
	N 89°-51' W on a true line bet Secs 25 and 36	
	Over Mountains	
10.00	Ridge bears N.E. and S.W.	
40.10	Set granite Stone 18x10x8 ins. 12 ins. in the ground for 1/4 Sec. Cor. Marked 1/4 on N face and raised a mound of Stone 2 ft. base. 1 1/2 ft. high N of Cor. Pits impracticable	
64.50	Spring Creek Canon drains S.W. Road in same	
80.20	The Cor to Secs 25. 26. 35 and 36.	
	Land Mountainous	
	Soil gravelly 3rd rate	
	Dense undergrowth (Oak)	
	Land Mountainous for 80.20 Chs.	
	Sep 14th At this Cor. I set off 3°-18' N. on the decl arc: and at 12h noon observe the sun on the meridian the resulting lat is 40°-11' N	
	N 0°-4' W bet Secs 25 and 26	See Note 1. Page 1 - Cor. No
	Over Mountains	
6.00	Ridge bears E. and W.	
12.25	Gulch drains S.E.	
18.00	Spur ridge bears N.W. and S.E.	
19.40	Hollow drains E	
28.50	Spur ridge bears E and W	
33.25	Hollow drains E	
40.00	On a Spur ridge bears E. and W. set a Lime Stone 20x12x8 ins. 15 ins in the ground for 1/4 Sec. Cor. Marked 1/4 on W face and raised a mound of Stone 2 ft. base. 1 1/2 ft. high W. of Cor. Pits impracticable	
	September 4th At 2h p.m. L M T I set off 40°-11' N on the lat arc: 3°-16' N. on the decl arc. and determine a true meridian with the Solar at the 1/4 Cor bet Secs 25 and 26	
48.00	Hollow drains E	
54.00	Spur ridge bears E and W.	

Chains	
57.50	Swale drains E
60.50	Spur ridge bears E and W.
63.50	Hollow drains S.E.
80.00	An aspen tree 5 ins diam. for cor to Secs 23 24. 25. and 26. Marked T 7 S on S24 N.E. R 3 E S 25 on S.E. S 26 on S.W. S 23 on N.W. Sides with 1 notch on E and 2 notches on the S faces From which an aspen tree 4 ins diam bears N 20° E 10 lks dist mark T 7 S R 3 E S 24 B.T. An aspen tree 4 ins diam bears N 36° W 8 lks dist marked T. 7 S. R. 3 E. S. 23 B.T. An aspen tree 6 ins diam bears S 60° E 13 lks. dist marked T. 7 S. R. 3 E. S. 25 B.T. A Maple tree 5 ins diam bears S 30° W 16 lks dist marked T. 7 S. R. 3 E. S. 26 B.T. Land Mountainous Soil rocky; 4th rate Dense undergroth (Oak and aspen) Land mountainous on 80.00 Chs.
	S 89° 51' E on a random line bet Secs 24 and 25.
40.00	Set Temp 1/4 sec. cor.
79.80	Intersect E. bdy. of Tp 21 lks S of the cor to Secs 19. 24. 25 and 30 described in the survey by me September 12th 1895 Thence I run West on a true line bet Secs 24 and 25
24.00	Gulch drains S
39.90	On a Spur ridge bears N and S. An asp tree 3 ins diam for 1/4 sec. cor. marked 1/4 S on N side. From which an aspen bears South 5 lks dist marked 1/4 S.B.T. An aspen 4 ins diam bears N 75° W 6 lks dist marked 1/4 S.B.T.
54.00	Spring Creek Cañon drains S
68.00	Spur ridge bears N and S

Subdivisions of T 7 S R 3 E

Chains.

70.50 Hollow drains S.E.

79.80 The Cor to Secs 23, 24, 25 and 26.
Land Mountainous
Soil rocky: 4th rate
Dense undergrowth (Oak)
Land Mountainous on 79.80 chs
timber 1 to 18

September 16th 1895.

N 0° 15' W bet Secs 23 and 24 — see Note 1 page 1. Cor. Noi
Over Mountains

20.00 Gulch drains S.E.

40.00 Set Sand Stone 16 x 10 x 6 ins. 10 ins in the ground for 1/4 Sec. Cor. Marked 1/4 on W face and raised a mound of stone 2 ft. base 1½ ft. high W of Cor. Pits impracticable

44.00 Ridge bears N.W. and S.E.

70.00 Head of hollow drains E

78.00 Spur ridge bears E and W

80.00 Set Line Stone 16 x 14 x 7 ins, 10 ins. in the ground for Cor to Secs 13, 14, 23 and 24 M with 3 notches on S and 1 notch on E edges. and raised a mound of stone 2 ft. base 1½ ft. high W of Cor. Pits impracticable
Land Mountainous
Soil rocky: 4th rate
Scattering pine and aspen timber
Dense undergrowth (Oak)
and Mountainous on 80.00 chs.

Sept 16th At 10½ a.m. L.M.T. I set off 40° 13' N on the Lat arc: 2° 38' N on the dec arc and determine a true meridian with the Solar at the Cor to Secs 13, 14, 23 and 24

Thence I run

East on a random line bet Secs 13 and 24

40.00 Set temp 1/4 Sec Cor.

80.74 Intersect E. bdy. of T 6 S R 3 E 40 chs N of Cor to Secs 13, 18, 19 and 24. described in the Survey made me 5 12th 18 5

Chains	Three Lines
	N 89°-54' W. on a true line bet Secs 13 and 14
0.50	Span ridge bears S.E. and N.W.
2.00	Head of hollow drains S
7.00	Span ridge bears S.E. and N.W.
39.50	Hollow drains S
40.13½	Set a Lime Stone 18×12×6 ins. 12 ins in the ground for ¼ Sec. Cor. marked ¼ on N face and raised a mound of stone 2 ft. base 1½ ft. high N of Cor. Pits impracticable
54.00	Gulch drains S...
80.27	The Cor. to Secs 13. 14. 23 and 24
	Land Mountainous
	Soil rocky. 4th rate
	Scattering pine timber
	Dense undergrowth (Oak)
	Land Mountainous N 80 27 chs.
	Sept. 16th At this Cor I set off 2°-31' N. on the declination arc and at 12h noon observed the sun on the meridian. The resulting lat is 40°-13' N

Field Notes - Page 1
Cor. Notes.

	N 0°-24' W. bet Secs 13 and 14
	Over Mountains -
23.00	Gulch drains S.E.
31.00	Ridge bears N.W. and S.E.
35.00	Hollow drains S.E.
40.00	On Span ridge bears N.W. and S.E. Set a granite stone 18×12×5 ins. 12 ins in the ground for ¼ Sec. Cor. marked ¼ on the W face and raised a mound of stone 2 ft. base. 1½ ft high W. for Cor. Pits impracticable
57.00	Hollow drains E
63.00	Dividing ridge bears N.E. and S.W.
80.00	Set a blue Lime stone 30×20×8 ins 20 ins in the ground for Cor to Secs 11, 12, 13 and 14 N with 4 notches on S and 1 not on E edge and raised a mound of stone 2 ft. base 1½ ft. high W. for Cor. Pits impracticable
	Land Mountainous
	Soil rocky. 4th rate
	Scattering pine

Subdivisions of T. 7 S. R. 3 E.

Chains Dense undergrowth (Oak)
Land Mountainous for 80.00 chs.

S 89° 54' E on a random line bet Secs 12 and 13.
40.00 Set Temp ¼ Sec Cor.
80.13 Intersect E. bdy. of Tp 30 lks S of Cor to Secs 7. 12. 13 and 18 deserted in the Survey made by me September 12th 1895
Thence N
S 89° 53' W on a true line bet Secs 12 and 13
Over Mountains
2.00 Ridge bears N.W. and S.E.
30.00 Hollow drains S
40.06½ Set a Quartzite stone 20 x 14 x 8 ins 15 ins in the ground for ¼ Sec. Cor. Marked ¼ on N face and raised a mound of stone 2 ft. base, 1½ ft high N of Cor. Pits impracticable
46.00 Dividing ridge bears N.E. and S.W.
58.00 Spur ridge bears N.W. and S.E.
70.00 Wash in hollow drains N.W.
80.13 The Cor to Secs 11. 12. 13 and 14
Land mountainous
Soil rocky: 4th rate
Scattering fine timber
Dense undergrowth
Land Mountainous for 80.13 chs.
September 16th 189

September 17th 1895.
N 0° 45' W bet Secs 11 and 12 — See Note 1-Page 1-Corr Notes
Over Mountains
17.00 Gulch drains N.W.
35.00 Wash drains N.W.
40.00 Set Sand Stone 18 x 12 x 5 ins. 12 ins in the gr ¼ Sec Cor. Marked ¼ on W face and ra a mound of stone 2 ft. base, 1½ ft. high W. of Cor. Pits impracticable
49.00 ridge N.E. and S.W.
51.00 Hollow drains S.W.
60.80 bears N.E. and S.W.

Chains	
65.75	Hollow Drains S.W.
68.00	Spur ridge bears NE and S.W.
71.00	Hollow Drains S.W.
73.60	Spur ridge bears NE and SW
76.60	Hollow Drains S.W.
— 80.00	Set a grit stone Stone 36x24x12 ins 27 ins in the ground for Cor to Secs 1. 2. 11 and 12 Marked with 5 notches on S. and 1 notch on E. edges. and raised a mound of Stone 2 ft. base. 1½ ft. high W of Cor. Pits impracticable
	Land Mountainous.
	Soil rocky. 4th rate
	Dense undergrowth
	Land Mountainous for 80.00 chs.
	Sept. 17th At this Cor I set off 2°-08' W on the decl arc: and at 12h noon L.M.T. observe the Sun on the Meridian. The resulting lat is 40°-14' N
	N. 89°-53' E. on a random line bet Secs 1 and 12
40.00	Set Temp ¼ Sec. Cor.
80.50	Intersect E bdy of T. 6 S. R. 4 E. S of Cor to Secs 1 6. 7. and 12 described in Survey made by me Sept 12th 1895
	Thence I run
	S 89°-49' W on a true line bet Secs 1 and 12
25.00	Enter hollow drains S.E.
33.00	Leave Spring
40.25	Set Line Stone 24x12x5 ins. 18 ins in the ¼ Sec Cor Marked ¼ on N face. and raised a mound of Stone 2 ft. base. 1½ ft. high N. Pits impracticable
71.00	Dividing ridge bears N.W. and S.E.
— 80.50	The Cor to Secs 1. 2. 11 and 12.
	Land Mountainous
	Soil rocky. 4th rate
	Dense undergrowth
	Land Mountainous on 80.50 chs.
	Sept 17th At 12h p m L.M.T. I set off 40°-14 on the lat arc: 2°-06 N. on the decl. arc; and de-

Subdivisions of T 7 S R 3 E

Chains termine a true meridian with the solar at the cor to secs 1. 2. 11 and 12

Thence I run

N 0°-4' W on a random line bet secs 1 and 2 — See note 1 - page 1 - Cor. Notes

40.00 Set temp 1/4 sec. cor.

79.95 Intersect N bdy of Tp 28 lks W of the cor to 1. 2. 35 and 36 described in the survey made by me August 27th 1895

Thence I run

50°-13' W on a true line bet secs 1 and 2 — See note 2 - page 2 - Cor. note

Over Mountains

23.00 Ridge bears E and W

37.50 Hollow drains S.W.

39.95 Set Sand stone 20x12x5 ins. 15 ins in the ground 1/4 sec cor marked 1/4 on W face. and raised a mound of stone 2 ft. base 1 1/2 ft. high W of cor

Pits impracticable

43.00 Spur ridge bears N.E. and S.W.

46.50 Hollow drains S.W.

50.00 Spur ridge bears S.W. and N.E.

58.00 Hollow drains W

60.00 Spur ridge bears N.E. and S.W.

63.50 Hollow drains S.W.

69.00 Spur ridge bears N.E. and S.W.

79.95 The cor to secs 1. 2. 11 and 12

Land mountainous

Soil rocky: 4th rate

Dense Oak undergrowth

Land mountainous for 79.95 chs.

September 17th 1895

September 18th 1895

At 8h-30m a.m. L.M.T. I set off 40°-10' N on the lat arc: 1°-48' N on the decl arc: and determine a true meridian at the cor to secs 2. 3. 34 and 35 which is a Lime stone 9x10x6 ins above ground marked with 2 notches on E and 4 notches on W edges and mound of stone alongside

Thence I run

Notch on a blank line and at 40.00 chs. the old 1/4 sec. cor. on line

Chains Returning to the Cor of Secs 2.3.34 and 35

I run

North bet Secs 34 and 35

7.50 Fence bears E and W

17.45 " " E and "

17.50 Irrigation ditch flows W.

Along fence

19.05 Canal 20 lks wide flows N W

29.00 Road bears N and S.E.

Along road

32.00 Leave fence bears N 20° W

32.20 Leave road bears N 20° W

32.50 Enter high beach

40.00 Old 1/4 Sec Cor. which is a Sand Stone 6x12x 6 ins above ground marked 1/4 on W face mound of Stone alongside

57.00 Cliff 15 ft. high

Note 3 - Page - Cor. Notes

60.00 End of old line

62.00 Ridge bears N.E. and S.W.

71.00 Hollow drains S.W.

80.00 Set Lime Stone 24x12x8 ins, 18 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 and raised a mound of Stone 2 ft. base, 1 1/2 ft high W of Cor Pits impracticable

Land Mountainous and flat

Soil rocky. Sandy; 1st and 4th rate

Oak undergroth

Land Mountainous 47.50 Chs.

East on a random line bet. Secs 26 and 35

40.00 Set Temp 1/4 Sec. Cor.

80.20 Intersect N and S line 21 lks S of the Cor to Secs 25. 26. 35 and 36

Thence I run

S 89°-51' W on a true line bet Secs 26 and 35

Over Mountains

8.50 Spur ridge bears N.W. and S.E.

12.00 Hollow drains S.E.

19.00 Swale bears S.E.

26.00 Spur ridge bears N.E. and S.W.

30.00 Gulch drains S.W.

Subdivisions of T 7 S R 3 E.

Chains

40.10 Set granite stone 24x12x8 ins. 18 ins in the ground for 1/4 Sec. Cor. Marked 1/4 on N. face raised a mound of stone 2 ft. base, 1 1/2 ft. high N. of Cor. Pits impracticable

41.50 Spur ridge bears N.E. and S.W.

49.50 Gulch drains S.W.

69.00 Spur ridge bears N.E. and S.W.

80.20 The Cor to Secs 26. 27. 34 and 35

Land mountainous

Soil rocky: 4th rate

Dense Oak brush

Land mountainous on 80.20 chs.

Sept. 18th At this Cor. I set off 1°-45' N on the arc and at 12h noon L.M.T. observe the sun on the meridian. The resulting lat is 40°-11' N

N 0°-4' W bet Secs 26 and 27 — See Note 4 Page 1. Cor. No

Over Mountains

40.00 Set Lime Stone 16x10x8 ins. 10 ins in the ground 1/4 Sec. Cor. marked 1/4 on the W. face and raised a mound of stone 2 ft. base. 1 1/2 ft. high W. of Cor. Pits impracticable

57.00 Spur ridge bears N.E. and S.W.

59.00 Gulch drains S.W.

76.50 Spur ridge bears N.E. and S.W.

80.00 Set Lime Stone 16x14x10 ins. 10 ins in the ground for Cor to Secs. 22. 23. 26 and 27 with 2 notches on the S. and E. edges and r a mound of stone 2 ft. base, 1 1/2 ft. high W. Pits impracticable

Land mountainous

Soil rocky: 4th rate

Dense undergrath (Oak)

Land mountainous on 80.00 chs

N 89°-51' E on a random line bet Secs 23 and 26

40.00 Set temp 1/4 Sec. Cor.

80.10 Intersect N and S line 35 lks N of Cor to Secs 23. 24. 25 and 26.

Thence I run

Chains	
	N 89°-54' W on a true line bet Secs. 23 and 26.
20.50	Ridge bears N and S
40.05	Set Granite 30x18x12 ins. 24 ins in the for 1/4 Sec. Cor. Marked 1/4 on N face, and raised a mound of Stone 2 ft. base, 1 1/2 ft. high N of Cor. Pits impracticable
49.00	Gulch drains S
61.50	Spur ridge bears N E and S.W.
70.00	Gulch bears S.W.
78.00	Spur ridge bears N.E. and S.W.
— 80.10	The Cor to Secs. 22. 23. 26 and 27
	Land Mountainous
	Soil rocky: 4th rate
	Dense undergroth
	Land Mountainous for 80.10 chs
	September 18th 189

September 19th 1895

...e Note 4 ...ge 1. Cor. Notes.	No. 2 W bet Secs 22 and 23
	Over Mountains
35.50	Spring branch in Cañon 3 lks wide flows S.W.
38.00	Spur ridge bears N.E. and S.W.
40.00	Set Lime Stone 18x14x10 ins. 12 ins. in the for 1/4 Sec. Cor. Marked 1/4 on W. face and raised a mound of Stone 2 ft. base, 1 1/2 ft. high W of Cor. Pits impracticable
44.00	Wash drains S.E.
53.00	Spur ridge bears N.W. and S.E.
59.00	Hollow drains S.E.
66.50	Spur ridge bears N.W. and S.E.
70.80	Wash in hollow drains E
— 80.00	Set Lime Stone 24x14x7 ins 18 ins in the for Cor to Secs 14. 15. 22 and 23 Marked with 3 notches on S and 2 notches on E edges, and raised a mound of Stone 2 ft. base, 1 1/2 ft. high W of Cor. Pits impracticable
	Land Mountainous
	Soil rocky: 4th rate
	Dense undergroth.
	Land Mountainous on chs

Subdivisions of T 7 S R 3 E

Chains
S 89°-54' E on a random line bet Secs 14 and 23
4.00 Set Temp 1/4 Sec Cor
80.23 Intersect N and S line 4x lks S of Cor to Secs 13. 14. 23 and 24
Thence I run
S 89°-47' W on a True line bet Secs 14 and 23 over Mountains
10.50 Dividing ridge bears S. and N.W.
40.11½ A Aspen Tree 6 ins diam for 1/4 Sec Cor. M 1/4 on N. face
From which an Aspen Tree 6 ins diam bears S40 W 6 lks dist marked 1/4 S 13 T
An Aspen Tree 4 ins diam bears N 40° E 28 lks dist Marked 1/4 S 13 T
48.00 Corral bears S. 3.00 Chs dist
57.30 Spring Branch 3 lks wide flows S
68.00 Spur ridge bears N.W. and S.E.
78.50 Hollow drains S.W.
80.23 The Cor to Secs 14, 15, 22 and 23
Land Mountainous
Soil rocky; 4th rate
Dense undergrowth
Land Mountainous for 80.23 Chs.
Sept. 19th At this Cor I set off 1°-21' N. on the Decl. arc; and at 12h noon L.M.T. observe the sun on the meridian. The resulting lot is 40-13 N

See Notes 4 page 1. Cor. Nos

N 0°-2' W bet Secs. 14 and 15
Over Mountains
0.40 Hollow drains S.E.
7.50 Spur ridge bears N.W. and S.E.
15.00 Gulch drains S.E.
24.00 Spring bears E 18.00 Chs
40.00 Set Slate stone 14x10x6 ins 10 ins in the ground for 1/4 Sec Cor marked 1/4 on W. face and raised a mound of stone 2 ft. base, 1½ ft. high W of Cor. Pits impracticable
From which an aspen tree 6 ins diam bears N 46° E 27 lks dist marked 1/4 S 13 T
aspen Tree 4 ins diam bears S 72° E 35 lks dist marked 1/4 S 13 T

Chains	
53.00	Ridge bears E and W
76.30	Drag road bears E and W
80.00	Set a Lime Stone 18x10x4 ins. 12 ins in the ground for Cor to Secs 10. 11. 14 and 15 Marked with 4 Notches on S and 2 Notches on the E edges and raised a mound of Stone 2 ft. base 1½ ft. high W of Cor. Pits impracticable From which an Aspen Tree 6 ins diam bears N 42° 30' E 32 lks dist Marked T 7 S R 3 E S 11 B.T. An Aspen Tree 8 ins diam bears S 42° E 4 lks dist marked T 7 S R 3 E S 14 B.T. An aspen Tree 6 ins diam bears S 52° W 25 lks dist marked T 7 S R 3 E S 15 B.T. Land Mountainous Soil rocky, 4th rate Dense undergrowth Land Mountainous for 80.00 Chs.

Sept. 19th At 3h P M I Set off 40° 13' N on the Lat. arc: 1° 19' W on the Dec. arc: and determine a True Meridian at the Cor. to Secs 10. 11. 14 and 15

Thence East

N 89° 47' E on a random line bet Secs 11 and 14

40.00	Set Temp ¼ Sec Cor
80.25	Intersect N. and S line 21 lks N of Cor to Secs. 11. 12. 13 and 14

Thence North
S 89° 56½' W on a True line bet Secs 11 and 14 Over Mountains

1.20	Gulch drains N
7.80	Spur ridge bears N.W. and S.E.
37.00	Hollow drains N.W.
40.12½	Set a Quartzite Stone 18x14x5 ins. 12 ins in the ground for ¼ Sec. Cor. Marked ¼ on W face and raised a mound of Stone 2 ft. base. 1½ ft. high W of Cor Pits impracticable From which an Aspen Tree 8 ins diam bears S lks dist Marked ¼ S. B.T. An aspen Tree 12 ins diam bears S 40° E 25 lks. dist. Marked ¼ S. B.T.

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Subdivisions T. 7 S. R. 3 E.

Chains

48.80 Hollow drains N.
3 Springs bear S about 12.00 Chs.
62.00 Ridge bears N and S
69.00 Drag road in hollow drains N.W. road bears N.W. and S.E.
80.25 The Cor to Secs 10. 11. 14 and 15
Land Mountainous
Soil rocky: 4th rate
Aspen and pine timber
Dense undergrowth
Land Mountainous for 80.25 Chs.
September 19th/18

September 20th 1895
N 0° 2' W bet Secs 10 and 11 — See Note 4 - Pa 1 - Cor. Notes
Over Mountains
35.00 Gulch drains E
40.00 Set Granite Stone 18 x 14 x 10 ins. 12 ins in the ground for 1/4 Sec. Cor. Marked 1/4 on W face and raised a mound of stone 2 ft. base. 1½ ft high W. of Cor. Pits impracticable
From which an aspen 4 ins diam bears E 5 lks dist. Marked 1/4 S.B.T.
An Aspen tree 4 ins diam bears N 80° W 15 lks dist. Marked 1/4 S.B.T.
57.60 Road bears E and W
59.00 Wash in Slate Canon drains W
65.00 Spring bears W. 5.00 Chs dist.
68.00 Spur ridge bears E and W
68.80 Hollow drains W
77.00 Spur ridge bears E and W
78.50 Hollow drains W
80.00 Set Lime Stone 20 x 12 x 6 ins. 15 ins in the ground for Cor to Secs. 2. 3. 10 and 11. M with 5 notches on S and 2 notches on E edges and raised a mound of stone 2 ft. base. 1 high W of Cor. Pits impracticable
Land Mountainous
Soil rocky: 4th rate
Dense

Land Mountainous on 80.00 chs.
Sep. 20th At this Cor I set off 0°58' N. on the decl arc; and at 12h noon L.M.T. observe the Sun the resulting lat is 40°14' N

N 89°56' E on a random line bet Secs 2 and 11
40.00 Set temp ¼ Sec. Cor
80.20 Intersect N and S line 12 lks S of the Cor to Secs 1. 2. 11 and 12

Thence I run

S 89°51' W on a true line bet Secs 2 and 11
Over Mountain
40.10 Set a Lime Stone 16x10x4 ins. 10 ins in the ground for ¼ Sec. Cor. Marked ¼ on the N face and raised a mound of Stone 2 ft. base. 1½ ft. high N. of Cor. Pits impracticable
50.00 Gulch drains S.W.
60.00 Spur ridge bears N.E. and S.W.
see note 5 page 1. Cor Notes 80.20 The Cor to Secs 2. 3. 10 and 11
Land Mountainous
Soil rocky 4th rate
Dense undergrowth
Land Mountainous for 80.20 chs.

Sept 20th At 2h 30m p.m. L.M.T. I set off 40°14' N on the lat arc 0°56' N. on the decl and determine a true meridian at the Cor to Secs 2. 3. 10 and 11

Thence I run

see note 4 - Page 1 - Cor Notes N 0°2' W on a random line bet Secs 2 and 3
40.00 Set temp ¼ Sec Cor
80.45 Intersect N bdy. of Tp 5 lks W of the Cor to Secs 2. 3. 34 and 35 Tps 6 and 7 S Rgs 3 E described in the Survey of the S bdy of Tp 6 S R 3 E. of August 27th 1895

Thence I run

see note 6. Page 1 - Cor Notes South on a true line bet Secs 2 and 3
[illegible] Ridge bears E and W
40.45 Set a Slate rock 20x18x6 ins. 15 ins in the

Subdivisions of T 7 S R 3 E

Chains	
	ground for 1/4 Sec cor marked 1/4 on W face and raised a mound of stone 2 ft. base. 1 1/2 ft. high W of cor. Pits impracticable
58.50	Gulch drains S.W.
71.00	Spur ridge bears N.E and S.W.
80.45	The cor to Secs 2, 3, 10 and 11
	Land mountainous
	Soil rocky: 4th rate
	Dense undergrowth
	Land mountainous for 80.45 Chs.
	September 20th 1895

Sept. 21st 1895. From the cor to Secs 27, 28, 33 and 34 which is a lime stone 9x10x6 ins above ground. Marked as described by the surveyor general I run north on a temporary line bet Secs 27 and 28. and at 80.00 chs. set temp cor for Secs 21, 22, 27 and 28. I then go to the cor to Secs. 20, 21, 28 and 29 which is a lime stone 7x8x6 ins above ground properly marked and mound of earth and run East on a temp. line bet Secs 21 and 28, and at 80.00 chs intersect N. and S. line 40 lks N of the temp cor previously set.

See note 7. Page 1. Cor. Note

Returning to the cor to Secs 27, 28, 33 and 34

I run

North bet Secs 27 and 28.

40.20	Find no trace of old cor. Set a lime stone 30x24x12 in 22 ins in the ground for 1/4 Sec. cor marked 1/4 on W f and raised a mound of stone 2 ft. base. 1 1/2 ft. high W of Pits impracticable
40.60	Fence bears E and W
43.00	Wash drains S Enter mountains
55.00	Same wash drains S
64.00	End of old survey.
80.40	Set a lime stone 24x12x10 ins. 18 ins in the ground for cor. to Secs 21, 22, 27 and 28. Marked with 2 notches on S and 3 notches on E. edges. and raised a mound of stone 2 f. base. 1 1/2 ft. high W. of cor. Pits impracticable -

10 0 cont
4 20 HR

September 21st. At this cor I set off 0°-35' N on the deel arc; and at 12h noon L.M.T. observe the sun on the meridian The resulting lat is 40°-12' N.

and mountainous and flat

Soil Sandy, Rocky: 1st and 4th rate

Subdivisions of T. 7 S. R. 3 E.

Dense undergrowth on 40.20 chs.
Land Mountainous for 37.40 chs.

East on a random line bet Secs 22 and 27
40.00 Set temp 1/4 Sec. Cor.
80.15 Intersect N and S line 80 lks N of the Cor to Secs 22 23. 26 and 27. which being outside of the allowable limits. I set at the Cor to Secs 22 23. 26 and 27. and at 2h p.m. L.M.T. I set off 40°-12' N on the lat arc: 0°-33' N on the decl arc: and determine a true meridian with the solar

Thence I run

West on a true line bet Secs. 22 and 27
15.00 Wash in hollow drains S.W.
30.00 Ridge bears N and S
40.07½ Set a Lime Stone 16×10×8 ins. 10 ins in the ground for 1/4 Sec. Cor. marked 1/4 on the N face and raised a mound of stone 2 ft. base 1½ ft. high N. of Cor. Pits impracticable
63.00 Gulch drains S.W.
66.00 Hollow drains S.W.
74.00 Spur ridge bears N E and S.W.
80.15 Set Lime Stone 20×18×6 ins. 15 ins in the ground for closing Cor to Secs. 22 and 27 marked C.C. on the E with 3 grooves on the E and 2 grooves on the S. faces, and raised a mound of stone 2 ft. base, 1½ ft. high E. of Cor. Pits impracticable
Land mountainous
Soil rocky: 4th rate
Dense undergrowth
Land mountainous for 80.15 chs.

From the Cor. to Secs 21 and 28 previously described

I run

West on a true line bet Secs. 21 and 28
Over Mountains

Subdivisions of T. 7 S. R. 3 E.

Chains		
4.00	Hollow drains S.W.	
16.00	" " S.W. Enter flat	
28.00	End of old survey.	
28.50	Fence bears S.E. and N.W. 30 lks. thence W.	
40.00	Set a Lime Stone 18x12x10 ins. 12 ins in the ground for 1/4 Sec Cor marked 1/4 on N face and raised a mound of stone 2 ft. base 1 1/2 ft. high N of set Pits impracticable	
42.00	Fence bears N.E. and S.W.	See note 8-A. 1-Cor. Note
51.90	Enter State road bears N 20° E and S 70° W	
53.90	Leave State road. bears N 20° E and S 70° W	
	Enter cultivated land	
66.20	Fence bears N. and S.	
77.20	" " " "	
79.80	" " " "	
80.00	The Cor to Secs 20. 21. 28 and 29	
	Land mountainous and flat	
	Soil rocky and Sandy 1st and 4th rate	
	Land mountainous on 16.00 chs.	

September 21st 1895

September 23rd 1895
From cor to Secs 21 & 28

	N 0° 30' W bet Secs 21 and 22	See note 9-A. 1-Cor. Note
	Over mountains	
0.80	~~The Cor to Secs 21 and 28.~~	See note 10-A. 1-Cor. Note
4.00	Spur ridge bears N.W. and S.E.	
28.00	Gulch drains S.W.	
40.00	Set a Lime Stone 12x12x6 ins. 8 ins in the ground for 1/4 Sec Cor marked 1/4 on W face. and raised a mound of stone 2 ft. base. 1 1/2 ft high W of set Pits impracticable	
40.60	Spur ridge bears S.W. and S.E.	
47.00	Gulch drains S.W.	
57.00	Spur ridge bears S.W. and N.E.	
60.00	Hollow drains S.W.	
63.00	Spur ridge bears N.E. and S.W.	
67.00	Wash in hollow drains W.	
75.00	Spur ridge bears E. and W.	
80.00	Set a Lime Stone 14x12x6 ins. 18 ins in the	101

Chains	
	ground for Cor to Secs 15, 16, 21 and 22 marked with 7 S on N.E.
	3 E on S.E. faces with 3 notches on the S and E edges. and raised a mound of stone 2 ft. base. 1½ ft. high W. of Cor. Pits impracticable
	Land Mountainous
	Soil rocky; 4th rate
	Dense Oak and Sage brush
	Land mountainous for 80.00 chs.
	East on a random line bet Secs 15 and 22
40.00	Set temp ¼ Sec. Cor.
80.25	Intersect N and S line 16 lks S of Cor to Secs 14, 15, 22 and 23.
	Thence I run
	S 89°-53' W on a true line bet Secs 15 and 22
16.50	Dividing ridge bears S. and N.W.
40.12½	Set a lime stone 12×10×8 ins. 8 ins in the ground for ¼ Sec. Cor. marked ¼ on the N face, and raised a mound of stone 2 ft. base, 1½ ft. high N. of Cor. Pits impracticable
70.00	Cliff 100 ft. high
80.25	The Cor to Secs 15, 16, 21 and 22
	Land mountainous
	Soil rocky; 4th rate
	Dense undergrowth
	Land Mountainous for 80.25 chs.
	Sept. 23rd At this Cor I set off 0°-3' S on the decl. arc; and at 12h noon L.M.T. observe the sun on the meridian The resulting lat. is 40°-13' N
Note 9. Page Cor. Notes.	N 0°-3' W bet Secs 15 and 16
	Oven Mountains
8.00	Gulch brains S.W.
27.00	Ridge bears N.E. and S.W.
40.00	Set a slate stone 18×12×6 ins. 12 ins in the ground for ¼ Sec. Cor. marked ¼ on W face and raised a mound of stone 2 ft. base. 1½ ft. high W. of Cor. Pits impracticable

Subdivisions of T 7 S R 3 E

50.00 Hollow drains S.W.
51.50 Spur ridge bears E and W
58.00 Hollow drains N W
59.00 Spur ridge bears E and W
62.00 Hollow drains S.W.
70.00 Spur ridge bears N E and S.W.
75.00 Hollow drains S.W.
80.00 Set a granite stone 20x12x6 ins. 15 ins in the
Cor to Secs 9.10.15 and 16 marked with 4 notches
on S and 3 notches on E edges and raised a mound
of stone 2 ft. base 1½ ft. high W of cor
Pits impracticable
Land mountainous
Soil rocky, 4th rate
Dense undergrowth
Land mountainous for 80.00 chs.

Sept. 23rd at 3h 30m p.m. L.M.T. I set off 40°-13' N
in the lat arc; 0°-15' S on the decl. arc and determine
a true meridian at the Cor to Secs 9.10.15 and 16
Thence I run
N 89°-53' E on a random line bet Secs 10 and 15
40.00 Set temp ¼ Sec. cor.
80.20 Intersect N and S line 14 lks S of the Cor to Secs
10.11.14 and 15
Thence I run
S 89°-47' W on a true line bet Secs 10 and 15
Over Mountains
20.50 Ridge bears N.E. and S.W.
28.50 Hollow drains N.E.
34.20 Spur ridge bears N.E. and S.W.
40.10 Set a Lime Stone 18x14x8 ins. 12 ins in the
for ¼ Sec. Cor. Marked ¼ on the N face and raised a
mound of stone. 2 ft. base, 1½ ft. high N of Cor.
Pits impracticable
From which a pine tree 12 ins. diam bears North
25 lks dist marked ¼ S.B.T.
47.00 Ridge bears N W and S.E.
80.20 The Cor to Secs 9.10.15. and 16
Land mountainous
rocky, 4th rate

BOOK A-240

Subdivisions of T 12 S R 3 E

	Chains	Scattering pine and Aspen timber
		Dense Oak undergrowth
		Land Mountainous for 80.20 chs.
		September 23rd 1895
		September 24th 1895
See Note 1. Page 1 - Cor. Notes.		N 0° 2' W. bet Secs 9 and 10
	15.00	Ridge bears N.W. and S.E.
	40.00	Set a Slate rock 16x12x8 ins 10 ins in the ground for 1/4 Sec Cor. Marked 1/4 on the W face and raised a mound of stone 2 ft. base, 1 1/2 ft. high W of Cor.
		Pits impracticable
See Note 11 Page 1 Cor. Notes	43.00	Creek in Slate Cañon flows W
	43.25	Road in Slate Cañon bears E and W
	80.00	Set a Lime Stone 16x8x6 ins. 10 ins in the ground for Cor. to Secs 3. 4. 9 and 10. Marked with 5 notches on S. and 3 notches on E. edges and raised a mound of stone 2 ft. base. 1 1/2 ft. high W. of Cor.
		Pits impracticable
		Land mountainous
		Soil rocky, 4th rate
		Dense undergrowth
		Land mountainous on 80.00 chs.
		Sept. 24th. At this Cor I set off 0°35' S on the decl arc and at 12h noon L.M.T. observe the sun on the meridian. The resulting latitude is 40°14' N.
		N 89°47' E on a random line bet Secs 3 and 10
	40.00	Set Temp 1/4 Sec. Cor.
	80.00	Intersect N and S line 30 lks N of Cor to Sec 2. 3. 10 and 11.
		Thence I run
		West on a true line bet. Secs 3 and 10.
See Note 11 - Page 1 - Cor. Notes	17.20	Spring branch flows S
	29.00	Spur ridge bears N.E. and S.E.
	38.20	Gulch drains S.E.
	40.00	Set a Lime Stone 24x8x4 ins. 18 ins in the ground for 1/4 Sec Cor Marked 1/4 on the N face and raised a mound of stone 2 ft. base, 1 1/2 ft. high N of Cor.

Subdivisions of T 12 S R 3 E

Chains Pits impracticable
51.65 Spur ridge bears N.W. and S.E.
60.00 Hollow drains S.E.
66.60 Spur ridge bears N.W. and S.E.
72.00 Hollow drains S.E.
76.00 Spur ridge bears N and S
80.00 The Cor to Secs 3. 4. 9 and 10.
Land Mountainous
Soil rocky: 4th rate
Scattering Scrubby pine timber
Dense undergrowth
Land Mountainous for 80.00 chs.

Sept. 24th. At 2h 30m p.m. L.M.T. I set off 40° 14' N on the lat arc: 0° 38' S on the decl arc and determine a true meridian with the Solar at the Cor to Secs 3, 4, 9 and 10
Thence I run
N 0° 3' W on a random line bet Secs 3 and 4 — See Note 9. Pa 1 - Cor. Notes
40.00 Set temp 1/4 Sec. Cor.
80.20 Intersect N. bdy. of the Tp 14 lks E of the Cor to Secs 3. 4. 33 and 34 Tps 6 and 7 S Rg 3 E which is a Lime Stone 10x12x9 ins above ground marked with 3 notches on E and W edges and mound of Stone alongside
Thence I run
S 0° 4' E on a true line bet Secs 3 and 4 — See Note 12 B 1 - Cor. Note
40.20 Set a Lime Stone 16x12x4 ins 10 ins. in the ground for 1/4 Sec. Cor. Marked 1/4 on the W face and raised a mound of Stone 2 ft. base 1 1/2 ft. high W of Cor.
Pits impracticable
50.00 Dividing ridge bears E and W
80.20 The Cor to Secs 3, 4, 9 and 10
Land Mountainous
Soil rocky: 4th rate
Scrubby Scattering pine timber
Dense undergrowth
Mountainous for 80.20 chs.
September 24th 1895

Chains	
	September 25th 1895.
	From the Cor to Secs 15. 16. 21 and 22, in the Survey made by me Sept 23rd
	I mm
	West on a random line bet Secs 16 and 21
40.00	Set Temp 1/4 Sec. Cor.
80.30	Intersect N and S line bet Secs S. of the Cor to Secs 17 and 20 which is a Line Stone 8x8x6 ins above ground Marked with 3 notches on S and 4 notches on the E edges and Mound of Stone along side where I set a granite stone 24x10x8 ins 18 ins in the ground for closing Cor to Secs 16 and 21 Marked C.C. on the E with 3 grooves on S and 4 grooves on E faces and raised a mound of Stone 2 ft. base, 1½ ft. high E. of Cor. Pits impracticable
	Thence I mm
	East on a true line bet Secs 16 and 21
	Over Mountains
3.25	Road bears N.E. and S.W.
15.00	Hollow drains S.W.
40.15	Point for 1/4 Sec Cor falls on a Quartzite ledge 12 ft. high by 20 ft. long I cut a cross (X) at the exact Cor. point, Marked 1/4 S and raised a mound of Stone 2 ft. base 1½ ft high N of Cor Pits impracticable
43.75	Ridge bears N.E and S.W.
67.00	Wash in Canon drains S.W.
80.30	The Cor to Secs 15. 16, 21 and 22
	Land Mountainous
	Soil rocky. 4th rate
	Some underbrush
	Land Mountainous for 80.30 Chs.

	From the Cor to Secs 9. 10. 15 and 16 in the Survey made by me Sept. 23rd
	I mm
	West on a random line bet Secs 9 and 16
40.00	Set Temp 1/4 Sec. Cor
80.00	Intersect N and S line 17 lks S of the Cor to Secs 8. 9. 16 and 17 which is a Slate stone 10x 14x ins above Marked with 4

Subdivisions of T. 7 S. R. 3 E.

Chains	on S and E edges, and mound of stone alongside	
	Sept 25th At 10h a m L.M.T. I set off 40°13' N. on the lat arc: 0°57' S on the decl. arc and determine a true meridian with the solar at the Cor to Secs 8. 9. 16 and 17	
	Thence I run.	
	S89°55' E on a true line bet Secs 9 and 16	
	Over Mountains	
7.00	Spur ridge bears N and S	
35.00	Spur ridge bears N.E. and S.W.	
40.00	Set a Lime Stone 24x12x12 ins, 18 ins in the ground for 1/4 Sec. Cor. Marked 1/4 on the N face and raised a mound of stone 2 ft. base, 1½ ft. high N. of Cor. Pits impracticable	
50.00	Swale drains S	
80.00	The Cor to Secs 9. 10. 15. and 16	
	Land Mountainous	
	Soil rocky: 4th rate	
	Dense undergrowth	
	Land Mountainous for 80.00 Chs	
	Sept 25th At this Cor I set off [illegible] on the decl. arc: and at 12h noon L.M.T. observe the Sun on the meridian the resulting lat is 40°13' N	
	N0°4' W on a random line bet Secs 8 and 9	See Note 13-Pa 2-Cor. note
40.00	Set temp 1/4 Sec Cor	
80.10	Intersect E and W line 2 lks E of the Cor to Secs 4. 5. 8 and 9 which is a Lime Stone 10x9x7 ins above ground marked with 5 notches on S and 4 on E edges, and mound of stone alongside	
	Thence I run	
	S0°3' E on a true line bet Secs 8 and 9	See Note 14-P 2-Cor. Note
1.50	Spur ridge bears E and W	
7.00	Hollow drains S.W.	
9.00	Spur ridge bears N E and S.W.	
24.00	Hollow drains S.W.	
27.00	Spur ridge bears N. E. and S.W.	
40.05	Set a Sand Stone 30x16x8 ins. 20 ins in the ground for 1/4 Sec Cor. Marked 1/4 on W face and raised a mound of stone 2 ft. base	

Chains 1½ ft high W of Cor. Pits impracticable

See Note 11 - Page 1 - Cor. Notes 41.50 ate Cañon flows W

42.00 Road in Slate Cañon bears E and W

See Note 15 - Page 2 Cor. Notes - 55.00 Spur ridge bears N.W. and S.E.

80.10 The Cor to Secs 8. 9. 16 and 17

Land mountainous

Soil rocky, 4th rate

Dense undergroth

Land Mountainous on 80.10 chs

September 25th 189

September 26th 1895

From the Cor to Secs 3. 4. 9 and 10

I run

N 89° 55' W on a random line bet Secs 4 and 9

40.00 Set temp ¼ Sec Cor

80.20 Intersect N and S line 33 lks N of the Cor to Secs 4. 5. 8 and 9. previously described -

Thence I run

N 89° 51' E on a true line bet Secs 4 and 9

Over mountains

40.10 Set Lime Stone 16 x 10 x 8 ins. 10 ins in the for ¼ Sec. Cor. Marked ¼ on the N. face and raised a mound of Stone 2 ft. base. 1½ ft. high W of Cor

Pits impracticable

50.00 Ridge bears S.W. and N.E.

60.00 Gulch drains S

65.00 Spur ridge bears N and S

74.00 Gulch drains S

80.20 The Cor to Secs 3. 4. 9 and 10

and mountainous

Soil rocky 4th rate

Dense undergroth

Land mountainous for 80.20 chs

Sept. 26th At 10h a m L M T I st off 40°-1 N on the lat. arc: 1° 20' S on the decl arc and determine a true meridian with the solar at the Cor to Secs 4, 5, 8 and 9, previously

Subdivisions of T 7 S R 3 E

chains Thence I run

N 0°-4' W on a random line bet Secs 4 and 5 — See Note 13-1 2-Cor. Notes

40.00 Set Temp ¼ Sec cor.

80.50 Intersect N. bdy. of Tp. 30 lks E of the Cor to Secs 4. 5. 32 and 33. Tps 6 and 7 S Rg 3 E which is a Lime Stone 9x10x8 ins above ground marked with 4 notches on E and 2 notches on W edges and mo of Stone alongside

Thence I run

S 0°-18' E on a True line bet Secs. 4 and 5 — See Note 16-A 1-Cor. Note

Over Mountains

14.00 Road in hollow bears N E and S.W. hollow drains S.W.

40.50 Set a Lime Stone 30x16x8 ins 22 ins in the ground for ¼ Sec. Cor. marked ¼ on W face, and raised a mound of Stone 2 ft. base, 1½ ft. high W. of Cor.

Pits impracticable

42.00 Hollow drains W

46.00 Spur ridge bears E and W

64.00 Hollow drains S.W.

69.00 Spur ridge bears E and W

73.00 Hollow drains W

80.50 The Cor. to Secs. 4. 5. 8. and 9

Land Mountainous

Soil rocky: 4th rate

Dense undergrowth

Land Mountainous for 80.50 chs.

Sept. 26th At this Cor I set off 1°22' S on the decl arc: and at 12h noon L.M.T. observe the sun on the meridian. The resulting lat is 40°-14' N

5th

General description-

This fractional Tp is high mountains, and f the West and valley broken and rocky. the easterly part while very high is not so rocky or broken, but covered with under , and used extensively for grazing purposes, for horses and cattle of Provo and also used

sively for sheep grazing in the summer.

There is some scattering pine timber and clumps of Quaking asp

There are springs in Secs 10, and 14 and a small creek running westerly through Slate Canon in Secs. 8. 9. and 10

Samuel Rechnitzer has made a settlement in the E½ of the S.W.¼ of Sec 35. She has a house and about 5 acres under cultivation and about 80 rods of fencing. The land is irrigated from a large spring in Spring Creek Canon. which is the source of Spring Creek a stream about 6 lks wide and 3 ins. deep. which heads and flows through the SW. ¼ of Sec. 35

There is no other cultivated land or settlement in the fractional Tp.

Henry Fitzhugh
Nicholas Fitzhugh
U.S. Dep. Surveyors

Correction Notes
Subdivisions Sp. 7 S. R. 3 E.

Note No.

1 This is a clerical error.
This line will be found run N. 0° 3' W. in the field.

2 This is a clerical error.
Should be S. 88° 15' W.

3 I was unable to find any trace of the old witness Cor.

4 This is a clerical error.
This line will be found run N. 0° 4' W. in the field.

5 This is a clerical error.
There is a gulch at 75.00 chs. which should be shown in the notes.

6 This is a clerical error.
Should be S. 0° 2' W.

7 This is a clerical omission.
There was no trace of sec. 1/4 Sec. Cor. to Secs. 21 and 28.

8 Clerical error.
Should be N. W. and S. E.

9 This is a clerical error.
This line will be found run N. 0° 4' W. in the field.

10 This is a clerical error.
and should be stricken out of the notes.

11 Clerical error.
This creek is about 3 chs. wide.

12 Clerical error.
Should be S. 0° 10' E.

Correction Notes
Subdivision lines T. S. R. 3 E.

Note No.	
	Clerical error.
13	This line will be found run in the field N. 0° 5' W.
14	Clerical error. Should be S. 0° 4' E.
15	This is a clerical omission The notes show a cliff at 50.00 chs;
16	Clerical error. Should be S. 0° 18' E.

Henry Sitzhugh
Chief Clerk
U. S. Deputy Surveyor

Volume
#
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List of Names.

A list of the names of the individuals employed by Henry Fitzhugh and Nicholas Fitzhugh, U. S. Deputy Surveyors, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the survey of the Subdivisional lines of Township Seven South Range Three East.

Salt Lake Meridian, in Utah Territory, showing the respective capacities in which they acted:

Andrew J. Stewart Jr.	Chainman
Scott R. Stewart	"
Wayne F. Preston	Axeman
John R. Stewart	"

Final Oath of Assistants:

We hereby certify that we assisted Henry Fitzhugh and Nicholas Fitzhugh, U. S. Deputy Surveyors, in surveying all those parts or portions of the Subdivisional lines of Township Seven South Range Three East

Salt Lake Meridian, Utah Territory, as are represented in the foregoing field notes as having been surveyed by ~~him~~ them and under ~~his~~ their 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 U. S. Surveyor General for Utah Territory

Andrew J. Stewart Jr. Chainman
Scott R. Stewart "
Wayne F. Preston Axeman
John R. Stewart "

Described and sworn to before me this 6th day of November, 1895.

SEAL

E. L. Jones
Clerk of the County Court
Utah County
U.S.

6—151

We Henry Fitzhugh & Nicholas Fitzhugh, U. S. Deputy Surv
solemnly swear that, in pursuance of instructions received from George W. Snow
Surveyor General for Utah Territory, bearing date of the 8th
March, 1895, We have well, faithfully, and truly, in our own proper persons and
conformity with the instructions furnished by the U. S. Surveyor General for Utah
surveying manual, and the laws of the United States, surveyed all those parts or portions of
Lines of Township seven South Range three East

Salt Lake Meridian, in the Territory of Utah, as are represented in
going field notes as having been surveyed by us, and under our directions; and we do further solemnly swear
the corners of said survey have been established and perpetuated in strict accordance with the surveying
printed instructions, the special written instructions of the U. S. Surveyor General for Utah
and in the specific manner described in the field notes, and that the foregoing are the true field notes of such
and should any fraud be detected, we will suffer the penalty of perjury under the provisions of an Act of
approved August 8, 1846.

Henry Fitzhugh
Nicholas Fitzhugh
U. S. Deputy Su

Subscribed and sworn to before me this 19th
day of December, 1895

SEAL

Approval.

Office of the U. S. Surveyor General,
Salt Lake city Utah June 23d, 18

The foregoing field notes of the survey of the Subdivision lines
Township 7 South Range 3 East of the Salt
Lake Meridian Utah

exe
Henry Fitzhugh & Nicholas Fitzhu
under his Contract No. 200, dated March 8th, 1895, having been
examined, the necessary corrections and explanations made, the said field notes, and the surveys they desc
hereby approved.

U. S. Surveyor G

I certify that the foregoing transcript of the field notes of the above-described surveys in
, has been correctly copied from the original notes on file in this office.

U. S. Surveyor G

6—151

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(4—679.)

BOOK A-240

7-13.

FIELD NOTES

OF THE SURVEY OF

North boundary of Township Ten South Range Four East

Of the Salt Lake Meridian,

Territory of Utah

AS SURVEYED BY

Fitzhugh & Nicholas Fitzhugh, U. S. Deputy Surveyors

der his Contract No. 200, dated March 8th 1895.

vey commenced September 28th, 1895.

vey completed October 2nd, 1895.

(12503—2,000.)

4-4-06-08

1.61

ames an . utics. of Assistants.

Andrew J. Stewart Jr	Chairman
Scott P. Stewart	"
John R Stewart	"
Don W Cownover	"
Wayne F Preston	Fireman
Thomas Barnard	"

6—101

BOOK A-240

INDEX DIAGRAM.

Township 10 South, *Range* 4 East

6 5 5 4

6	5	4	3	2	1
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19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

Meanders Page.....

Preliminary Oaths of Assistants.

We, Andrew J Stewart Jr, Scott P Stewart,
John R Stewart and Don M Conover

do solemnly swear that we will well and faithfully execute the duties of chain carriers; that we will level over even and uneven ground, and plumb the tally-pins either by sticking or dropping the same; that we w the true distance to all notable objects, and the true lengths of all lines that we assist in measuring, to the b skill and ability, and in accordance with instructions given us in the survey of the Township Ten South Range Four East Resurvey of North Bounda

Andrew J Stewart Jr, Cha
Scott P. Stewart, Cha
John R. Stewart, Cha
Don M. Conover, Cha

Subscribed and sworn to before me this 1st day of October, 1895

E L Jones
Clerk of the County Court
Utah County U.T.

We, Wayne F Preston and Thomas Barnard

do solemnly swear that we will well and truly perform the duties of axemen in the establishment of corners duties, according to instructions given us, and to the best of our skill and ability, in the Re survey of the North boundary of Townships Ten South Range Four

Subscribed and sworn to before me this 1st day of October, 1895

Wayne F Preston, A
Thomas Barnard, A

E L Jones
Clerk of the County Court
Utah County
U.T.

Resurvey of the N. bdy. of Sp. 10 S. R. 4 E.

Chains Survey Commenced Sept. 2 - 189
with a W.T. L.E. Gurley light mountain solar transit - The horizontal is provided with two verniers each opposite to each other, reading to single minutes, which is also the least count of the verniers of the latitude and declination arcs. The instrument was examined, test on the true meridian of Salt Lake City found correct, and was rectified by the Surveyor general for October 16th 1894

I examine the adjustments of the transit, and find it to be correct; then to test the solar apparatus during A.M. and P.M. hours with a true meridian determined by observations on Polaris proceed as follows.

Sept. 28th at 2h 30m P.M. L.M.T. at the house of R. E. L. Collier in the S.W. Corner of lot 1. Sect. 3. T. 10 S. R. 4 E. latitude 39°59' N. longitude 111° 29' 11" W. I set off 2°11' S. on the decl. arc; 39°59' N. on the lat. arc. and determine with the solar a true meridian, and mark a point on a picket set firmly in the ground 5.00 Chs. N. of the Station.

At. 0h 54m P.M. L.M.T. I observe Polaris on its upper culmination, in accordance with the Manual of Instructions, and mark a point on the line thus determined on the picket set by solar observation - This mark is 0.35 ins. W. of the point marked by solar observation.

Sept. 30th 1895 at 9h 30m A.M. L.M.T. I set off 2°53' S. on the decl. arc, 39° 59' N. on the lat. arc. and mark a point in the true meridian determined.

BOOK A-240

Resurvey of the N. bdy of Tp. 10 S. R. 4 E.

Chains

with the solar by a groove in the bracket Sly N. of my Station. This mean falls 0.3 ins. East of the true meridian established by Polaris observation.

The solar apparatus by p.m. and a.m. observation falls 0.35 ins. and 0.3 ins. east respectively or 0'18" and 0'16" East of the meridian established by Polaris observation, I therefore conclude the instrument is in adjustment.

The magnetic bearing of the true meridian at 9h 45m a.m. is N. 16° 10' W. The angle thus determined, reduced by table, page 100 gives the mean Mag. Decl. 16° 9" East.

I make diligent search for the Cor. to Tps. 9 S. Rs. 4 and 5 E., and the closing Cor. for Tps. 10 S. Rs. 4 and 5 E, but am unable to find either of them. I also make diligent search for the Cor. to Secs. 31 and 32 Tp. 9 S. R. 5 E, but am unable to find it. Therefore in order to reestablish the Cor. to Tps. 9 S. Rs. 4 and 5 E, I proceed as follows.

From the 1/4 Sec. Cor. bet'n Secs. 30 and 31 Tp. 9 S. R. 5 E. which is a Sandstone 12 x 8 x 6 ins. above ground, marked with 1/4 on N. face and mound of stone alongside I run

West bet'n Secs. 30 and 31. and at 40.00 chs. set a temp. Cor.

No trace of the Cor. to Secs. 25, 30, 31 and 36 I then go to a stone firmly set in the ground and mound of stone alongside, and which is identified to me by Zach Hopper as being on the Tp. line, he having assisted Deputy Ernst Hesse in making the survey of this part of this Tp. and being present when said Cor. was set by Deputy Hesse who

Resurvey of the N. bdy. of Tp. 10 S. R. 4 E.

Chains | Explained to him that it was a Cor. on the Tp. line and a Cor. for one of his forty acre lots. Mr. Hopper who lives in lot 4 Sec. 30. Tp. 9 S. R. 5 E. has always recognized this Cor. as on the Tp. line passing through his land. After diligent search I was unable to find the Cor. of Secs. 19, 24, 25 and 30 or the 1/4 Sec. Cor. bet. Secs. 25 and 30 on the Tp. line. nor did Mr. Hopper know of them. Therefore.
I run from the stone previously described
S. 0°30' E. bet. Secs. 30 and 31 and at 21.00 Chs. intersect the line bet. Secs. 30 and 31 - 63 lks. E. of Temp. Cor.
From this point of intersection I run
S. 0°30' E. bet. Secs. 31 and 36. | See note 1-P. 1-Cor. not.
40.00 After diligent search no trace of old Cor.
80.00 " " " " " " " "
Set a limestone 24×12×8 ins - 18 ins. in the ground for Cor. of Tps. 9 S. Rs. 4 and 5 E. marked with 6 notches on each edge, and raised a mound of stone 2 ft. base 1½ ft. high N. of Cor. | See note 3. P. 1-Cor. not.
Pits impracticable.
Sept. 30th 1895

Oct. 1st 1895. at 9h a.m. L. M. T. I set off 3°16' S. on the decl. arc.; and 39°59' N. on the lat. arc. and at the Cor. to Secs. 32 and 33 on N. bdy. of the Tp. I determine the true meridian with the solar.
Therefore.
From the Cor. to Secs. 32 and 33 on the N bdy. of Tp. which is a Sand stone 18×14×7 ins marked with 4 notches on E. and 2 notches on W. edges laying down, which I reset 12 ins. in the ground, and raised a mound stone 2 ft. 1½ high N. or

BOOK A-240

Resurvey of the N. bdy. of Tp. 10 S. R. 4 E.

I Iowa

East on a random line along N. bdy. of Tp. 10 S. R. 4 E. setting temp. 1/4 Sec. and Sec. Cors. at intervals of 40.00 chs. (No trace of the old cors. being found); and, at 326.08 chs. intersect the Tp. line bet. Tps. 9 S. Rs. 4 and 5 E. 2 1/2 lks. S. of the Cor. to Tps. 9 S. Rs. 4 and 5 E. reestablished and described by me in this Survey.

Note. At the temp. Cor. to Secs. 35 and 36 at 12 noon I set off 3°19' E. on the decl. arc. and observed the Sun on the meridian; the resulting lat. is 39°59' N. The falling of 2 1/2 lks above given answers to a correction of 6°23' or 53 lks. N. per mile, and the excess of 6.08 chs. gives for the 4 miles a length of 81.52 chs. per mile.

Iowa for Iowa

S. 89°37' W. bet. Secs. 1 and 36. — W Mount

13.50 Ridge trees N. 30° W. and S. 30° E.

24.90 Deep gulch draining N. E.

40.76 Set gray sandstone 24×5×4 ins. 18 ins. in the ground for 1/4 Sec. Cor. marked 1/4 on N. face, and raised a Mound of 2 ft. base 1/2 ft. high N. of Cor. Pits impracticable.

48.00 Top of main ridge trees N. W. and S. E.

81.52 Set gray sandstone 18×6×6 ins. — 12 ins. in the ground for Cor. to Secs. 35 and 36 Marked with 1 notch on E. and 5 notches on W. edges, and raised a Mound of Stone 2 ft. base 1/2 ft. high W. of Cor. Pits impracticable.

Note 2.12 Cor.

Land Mountainous

Soil 1st and 4th rate, gravelly rocky

Trees Oak brush

Land Mountainous on 81.52 chs.

Oct. 1st 1

Resurvey of the N. bdy. of Tp. 10 S. R. 4 E.

Oct. 2. 1895

S. 89°37' W. bet. Secs. 2 and 35

7.60 Main gulch drains S. 65° W.

17.75 Ridge trees S.W. and N.E.

28.88 Gulch drains S.W.

32.88 Ridge trees N.E. and S.W.

40.60 Gulch drains S.W.

0.76 Set a gray sandstone 14×10×5 ins - 10 ins. in the ground for 1/4 Sec. Cor. marked 1/4 on N. and raised a mound of Stone 2 ft. base 1½ ft. high N. of Cor.
Pits impracticable.

8.65 Ridge trees N.E. and S.W.

1.52 On S. slope of Mountain
Set Sandstone 20×8×8 ins - 15 ins. in the Cor. to Secs. 34 and 35, marked with 2 notches on E. and 4 notches on W. edges, and raised a mound of Stone 2 ft. base 1½ ft. high N. of Cor.
Pits impracticable.
Land Mountainous
Soil rocky 4th rate
Some Oak and Sage brush
Some scattering cedars
Found Mountains on 81.52 chs.

See notes 2 - P. 1 - Cor. notes

Oct. 2 - at 10h a.m. L.m.t. I set off 3°40' E. on the decl. arc; 39°59' N. on the lat. arc and determine a true meridian with the Solar at the Cor. to Secs. 34 and 35.

S. 89°37' W. Bet. Secs. 3 and 34
Over mountains.

6.10 Top of high ridge trees N.E. and S.W.

40.76 Set Sandstone 20×10×8 ins. 15 ins. in the mound for 1/4 Sec. Cor. marked 1/4 on N. face, and raised a mound of Stone 2 ft. base 1½ ft. high N. of Cor.
Pits impracticable - From which
A cottonwood tree 6 ins. diam. bears S. 9° 30' E. 36 lks. dist. marked 1/4 S. B.T.
A cottonwood tree 10 ins. diam. bears N. 88° E.

310

Resurvey of the N. bdy. of Tp. 10 S. R. 4 E.

Chains 6 lks. dist. marked 1/4 S. B.T.
41.00 of Mountains. Enter Canon & Dense
44.40 Road bears N.W. and S.E.
46.25 Lake Fork Creek 16 lks. wide 8 ins. deep, c and cool, flows N.W.
49.10 Ascend Mountains
65.38 Ridge bears N.E. and S.W.
71.97 Gulch drains N.E.
73.00 Ridge bears N and S.
81.5 Set Sandstone 14x8x5 ins - 10 ins. in the ground for Cor. to secs. 33 and 34, Marked with 3 notches on E. and W. edges, and raised a mound of stone 2 ft. base 1½ ft. high N. of Cor.
Pits impracticable.
Land Mountainous
Soil gravelly, rocky; 1st and 4th rate.
Oak and Sage brush.
Some scattering cedars.
Mountainous on 72.42 chs.
Dense oak and willow underbrush on 9.10 chs
Oct. 2. at 12h noon I set off. 3°42' S. on decl. arc. and observe the sun on the meridian, the resulting lat. is 39°59' N.

See note 2. age - Cor.

S. 89°37' W. bet. Secs. 4 and 33.
6.50 Gulch drains N.E.
29.50 Ridge bears N.W. and S.E.
0.76 Set Limestone 20x12x12 ins - 15 ins. in the for 1/4 Sec. Cor. marked 1/4 on N. face, and raised a mound of stone 2 ft. base 1½ ft. high N. of Cor.
Pits impracticable.
72.50 Top of steep descent.
76.70 Deep gulch drains N. 60° W.
81. The Cor. to secs. 32 and 33.
Land Mountainous
Soil gravelly rocky, 2nd and 4th rate
Sage and oak brush.
Land Mountainous on 81.52 chs.
Oct. 2nd 1 5

Resurvey of the N. bdy. of Sp. 10 S. R. 4 E.

Chains

General Description

General description see end of subdivision notes of this fractional township -

Henry Fitzhugh
Nicholas Fitzhugh
U. S. Dep. Surveyors.

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Correction Notes
North Boundary T. 10 S. R. 4 E.

Note No.

1 Find the magnetic bearing of the Needle to be N. 16° 10' W.
The variation of the needle in the way is given as 16° 0' E.
This would make the old line run resurveying on a course S. 0° 30' E.

2 This is a clerical error.
The mound will be found on the West this corner in the field.

3 This is a clerical error.
This corner will be found marked in the field as follows.
with 6 notches on N. E and W. edges and 9 S. on N. E., 4 E. on N. W. and 5 E. on N. E. faces.

Henry Fitzhugh
Nicholas A. Fitzhugh
U. S. Deputy Surveyors

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List of Names.

A list of the names of the individuals employed by Henry Fitzhugh and as Fitzhugh, U. S. Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the survey of the North Boundary of Townships Ten South Range Four East

Salt Lake Meridian, in Utah Territory, showing the respective capacities in which they acted:

Andrew J Stewart Jr	Chainman
Scott R Stewart	"
John R Stewart	"
Don M Cowmower	"
Wayne F Preston	Axeman
Thomas Barnard	"

Final Oath of Assistants:

We hereby certify that we assisted Henry Fitzhugh and Nicholas Fitzhugh, U. S. Deputy Surveyor, in surveying all the parts or portions of the Townships Ten South Range Four East (Resurvey of North Boundary)

Salt Lake Meridian, Utah Territory, 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 U. S. Surveyor General for Utah Territory

Andrew J Stewart Jr Chainman
Scott R. Stewart "
Don M. Cowmower "
John R Stewart "
Wayne F Preston Axeman
Thomas Barnard "

Subscribed and sworn to before me this 6th day of November 1890.

E. L. Jones
Clerk of the County Court
Utah County
U. T.

SEAL

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BOOK A-240

Final Oath of U. S. Deputy Surveyor.

I, Henry Fitzhugh and Nicholas Fitzhugh, U. S. Deputy Surveyor, do solemnly swear that, in pursuance of instructions received from George W Snow, U. S. Surveyor General for Utah Territory, bearing date of the 8th day of March, 1895, I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the U. S. Surveyor General for Utah, the surveying manual, and the laws of the United States, surveyed all those parts or portions of Resurvey of the North boundary of Townships Ten South Range Four East

Salt Lake 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 U. S. Surveyor General for Utah Territory and in the specific manner 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.

Henry Fitzhugh
Nicholas Fitzhugh
U. S. Deputy Surveyor.

Subscribed and sworn to before me this 19th day of December, 1895

SEAL

George W Snow
U S Surveyor

Approval.

Office of the U. S. Surveyor General,

Salt Lake City, Utah, June 23d, 1896

The foregoing field notes of the survey of the North Boundary of Township 10 South Ranges 4 East of the Salt Lake Base & Meridian, Utah Territory

executed by Henry Fitzhugh and Nicholas Fitzhugh under his Contract No. 200, dated March 8th, 1895, 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.

I certify that the foregoing transcript of the field notes of the above-described surveys in _____, has been correctly copied from the original notes on file in this office.

_____
U. S. Surveyor General.

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FIELD NOTES

OF THE ~~CURVEY~~ Re OF

Subdivisional lines of Townships Ten South Range Four East

Of the Salt Lake Meridian,

Territory of Utah

AS SURVEYED BY

Fitzhugh and Nicholas Fitzhugh, U. S. Deputy Surveyors

~~his~~ their Contract No. 200, dated March 8th 1895.

~~ey~~ commenced October 4th, 1895.

~~y~~ completed October 4th, 1895

12503—2,000.)

160-10 X
18.30 X

BOOK A-240

Names and Duties of Assistants.

Andrew J. Stewart Jr	Chairman
Scott P. Stewart	Chairman
John R. Stewart	Chairman
Dan M Conmover	Chairman
Wayne F Preston	Fireman
Thomas Barnard	Fireman

BOOK A-240

INDEX DIAGRAM.

Township 10 South. *Range* 4 East

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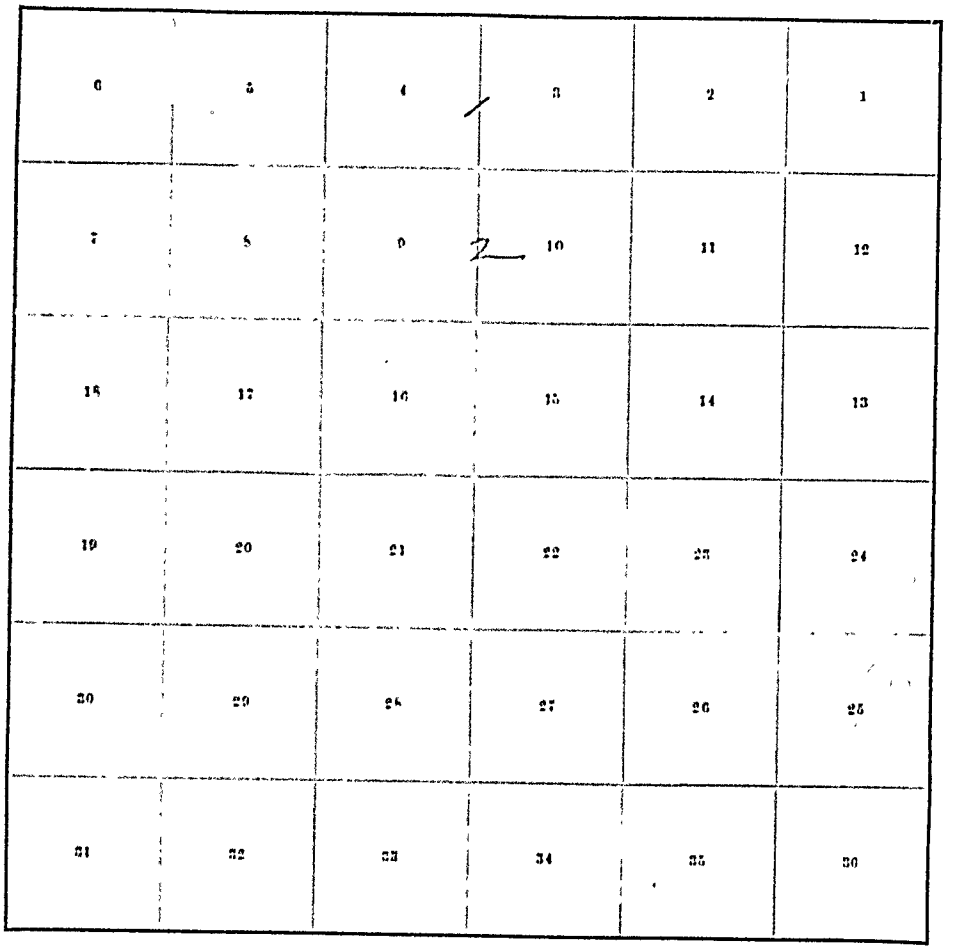

Meanders Page

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Preliminary Oaths of Assistants.

We, Andrew J Stewart Jr, Scott P Stewart
John R Stewart and Don W Cownover

do solemnly swear that we will well and faithfully execute the duties of chain carriers; that we will level the over even and uneven ground, and plumb the tally-pins either by sticking or dropping the same; that we will r the true distance to all notable objects, and the true lengths of all lines that we assist in measuring, to the best o skill and ability, and in accordance with instructions given us in the Re survey of the Subdivisional lines of Township Ten South Range Four East

Andrew J Stewart Jr, Chainm
Scott P. Stewart, Chainm
John R. Stewart, Chainm
Don W. Cownover, Chainm

Subscribed and sworn to before me this 1st day of October, 1895

E S Jones
Clerk of the County Court
Utah County U.S.

We, Wayne F Preston and Thomas Barnard

do solemnly swear that we will well and truly perform the duties of axemen in the establishment of corners and duties, according to instructions given us, and to the best of our skill and ability, in the Re survey of the Subdivisional lines of Township Ten South Range F East

Subscribed and sworn to before me this 1st day of October, 1895

Wayne F Preston, Axe
Thomas Barnard, Axe

E S Jones
Clerk of the County Court
Utah County
U.S.

Resurvey Subdivision of T. 10 S. R. 4 E.

Chains | Survey commenced Oct. 3, 1895 with a W. & L. Gurley light Mountain Solar transit. The horizontal limb is provided with two verniers placed opposite to each other, reading to single minutes, which is also the least count of the verniers of the latitude and declination arcs.
The instrument was examined, tested on the true meridian at Salt Lake City, found correct, and was approved by the Surveyor General for Utah October 16th 1894.
I examine the adjustments of the transit, and find it to be correct.
At 9th a.m. L.M.T. I set up my instrument on the meridian established Sept. 28, 1895 in the resurvey of the N. bdy. of this Tp. and test the solar apparatus as follows. I set off 4°03'S on the decl. arc, 39°59'N. on the lat. arc. and find that my solar gives a meridian, agreeing with the meridian established by Polaris observation. The magnetic bearing of the true meridian is N. 16°18'W., which gives the mean mag. dec. 16°09'E.
I commence at the Cor. to Secs. 33 and 34 on the N. bdy. of Tp. 10 S. R. 4 E. described by me in the survey of Oct. 2. 1895.
Thence I run.
S. 89°37'W. bet. Secs. 3 and 33.

13.30 Set a sandstone 14×12×12 ins - 10 ins in the ground for Closing Cor. of Secs 3 and 4, marked C.C. on S. with 3 grooves on E. and W. faces, and raised a mound of Stone 2 ft. base 1½ ft. high S. of Cor. Pits impracticable.
Thence I run.
S. 0°30'E. bet. Secs. 3 and 4 over mountains. | See note 1, page 1 - Cor. notes

20.10 Set sandstone 14×12×6 ins - 10 ins. in the ground for [illegible] Cor. marked 4 on

Resurvey Subdivision of T. 10 S. R. 4 E

W. face and raised a mound of stone 2 ft. base 1½ ft. high W. of Cor.
Pits impracticable
37. Top of high dividing ridge between Thistle Creek and Lake Fork Creek bears N.W. & S.
52.50 Same ridge bears S.W.
— 60.10 Set limestone 30×12×12 ins - 24 ins. in the ground for Cor. to Secs. 3, 4, 9 and 10, marked 5 notches on S. and 3 notches on E. edges, and raised a mound of stone 2 ft. base 1½ ft. high W. of Cor.
Pits impracticable.
Land mountainous
Soil gravelly, rocky; 1st and 4th rate.
Dense oak brush.
Land Mountainous on 60.10 chs.

Oct. 3: at the Cor. to Secs. 3, 4, 9 and 10. I set off 4°6' S. on the dial. arc; and observe the sun on the meridian at 12h noon, the resulting lat is. 39°58' N.
See note 1-1 - Cor. S. 0°30' E. bet. Secs. 9 and 10
12.50 Top of high ridge bears S.W. and N.E.
32.50 Gulch drains S.W.
See note 2-A - Cor. Notes 37.00 Ridge bears N.W. and S.E.
40.00 Set sandstone 14×12×5 ins - 10 ins. in the ground for ¼ Sec. Cor. marked ¼ on W. and raised a mound of stone 2 ft. base 1½ ft. high W. of Cor.
Pits impracticable,
43.00 Deep gulch drains S.E.
47.00 Enter cedar timber
52.00 Ridge bears N.W. and S.E.
55.00 Gulch drains S.E.
61.00 High rocky ridge bears N.W. and S.E.
70.00 Deep gulch drains N.E.
Leave cedars.
— 80.00 Set sandstone 24×18×12 ins - 18 ins. in the ground for Cor. of Secs. 9, 10, 15 and 16. marked 4 notches on S. and 3 notches on E. and raised a mound

Resurvey of Subdivision of T. 10 S. R. 4 E.

Stone 2 ft. 1½ ft. high W. of Cor.
Pits impracticable.
Land Mountainous
Soil rocky 4th rate
Dense oak brush.
Cedar Timber on. 23.00 Chs.
Land Mountainous on 80.00 Chs.
At 2h 30m P.M. L.M.T. I set off 4°08' S. on the decl. arc; 39°57' N. on the lat. arc. and determine the meridian with the solar at this Cor.

Oct. 1

General Description
For general description see end of Subdivision notes of Tp. 10 S. R. 4 E.

Henry Fitzhugh
Nicholas Fitzhugh
U. S. Dep. Surveyors.

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Correction Notes
Resurvey Subdivisions T. 10 S. R. 4 E.

No
1 I find the magnetic bearing of the needle to be N. 16° 10' W.
The variation of the needle in the old Survey is given as 16° 40' E
This would make the old line which I am resurveying on a course of
S. 0° 30' E.

2 This is a clerical error.
This ridge runs N.E. and S.W.

Henry Fitzhugh
Nicholas Fitzhugh
U.S. Deputy Surveyors.

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List of Names.

A list of the names of the individuals employed by Henry Fitzhugh and Nicholas Fitzhugh, U. S. Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the ~~survey of the~~ Resurvey of the Subdivisional Lines of Township Ten South Range Four East

Salt Lake Meridian, in Utah Territory, showing the respective capacities in which they acted:

Andrew J. Stewart Jr. Chainman
Scott P. Stewart
John R. Stewart
Don W. Cannover
Wayne F. Preston Axeman
Thomas Barnard

Final Oath of Assistants:

We hereby certify that we assisted Henry Fitzhugh & Nicholas Fitzhugh, U. S. Deputy Surveyor, in surveying all those parts or portions of the Resurvey of the Subdivisional Lines of Township Ten South Range Four East

Salt Lake Meridian, Utah Territory, 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 U. S. Surveyor General for Utah Territory

Andrew J. Stewart Jr. Chainman
Scott P. Stewart "
Don W. Cannover "
John R. Stewart "
Wayne F. Preston Axeman
Thomas Barnard "

Described and sworn to before me this 1st day of November, 1878.

SEAL

E. L. Jones
Clerk of the County Court
Utah County
U.T.

BOOK A-240

Final Oath of U. S. Deputy Surveyor.

We Henry Fitzhugh and Nicholas Fitzhugh, U. S. Deputy Survey
solemnly swear that, in pursuance of instructions received from George W. Snow,
Surveyor General for Utah Territory, bearing date of the 8th
March, 1895, We have well, faithfully, and truly, in our own proper persons and in
conformity with the instructions furnished by the U. S. Surveyor General for Utah
surveying manual, and the laws of the United States, surveyed all those parts or portions of The R
of Subdivisional lines of Township Ten South Range
Four East

Salt Lake Meridian, in the Territory of Utah, as are represented in th
going field notes as having been surveyed by us, and under our directions; and We do further solemnly swear tl
the corners of said survey have been established and perpetuated in strict accordance with the surveying m
printed instructions, the special written instructions of the U. S. Surveyor General for Utah
and in the specific manner described in the field notes, and that the foregoing are the true field notes of such s
and should any fraud be detected, I will suffer the penalty of perjury under the provisions of an Act of C
approved August 8, 1846.

Henry Fitzhugh
Nicholas Fitzhugh
U. S. Deputy Surv

Subscribed and sworn to before me this 19th
day of December, 18 95

SEAL

George W. Snow
U.S. Surveyor

Approval.

Office of the U. S. Surveyor General,
Salt Lake City, Utah, June 28th, 189

The foregoing field notes of the survey of the Subdivisional lines
Township 10 South Range 4 East, Salt
Base & Meridian, Utah

exe
Henry Fitzhugh and Nicholas Fitzhugh
under his Contract No. 200, dated March 8th, 189, having been
examined, the necessary corrections and explanations made, the said field notes, and the surveys they desc
hereby approved.

U. S. Surveyor G

I certify that the foregoing transcript of the field notes of the above-described surveys in
, has been correctly copied from the original notes on file in this office.

U. S. Surveyor G

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BOOK A-240

FIELD NOTES

OF THE SURVEY OF

Final lines of Townships
South Ranges 4 East

Of the Salt Lake Meridian,

Territory of Utah

AS SURVEYED BY

Fitzhugh 2d & Nicholas Fitzhugh 2d. S. Deputy Surveyors

ler his ontract No. 200, dated March 8th 1895.

vey commenced Oct. 3d 1895, 18.

vey completed Oct. 4th, 1895.

(12503—2,000.)

1-7-05 33-X
25-70
39.00X

BOOK 1-240

Names and Duties of Assistants.

Andrew J. Stewart Jr.	Ch.
Scott P. Stewart	"
John R. Stewart	"
Dan W. Conway	"
Wayne F. Preston	Att
Thomas Barnard.	"

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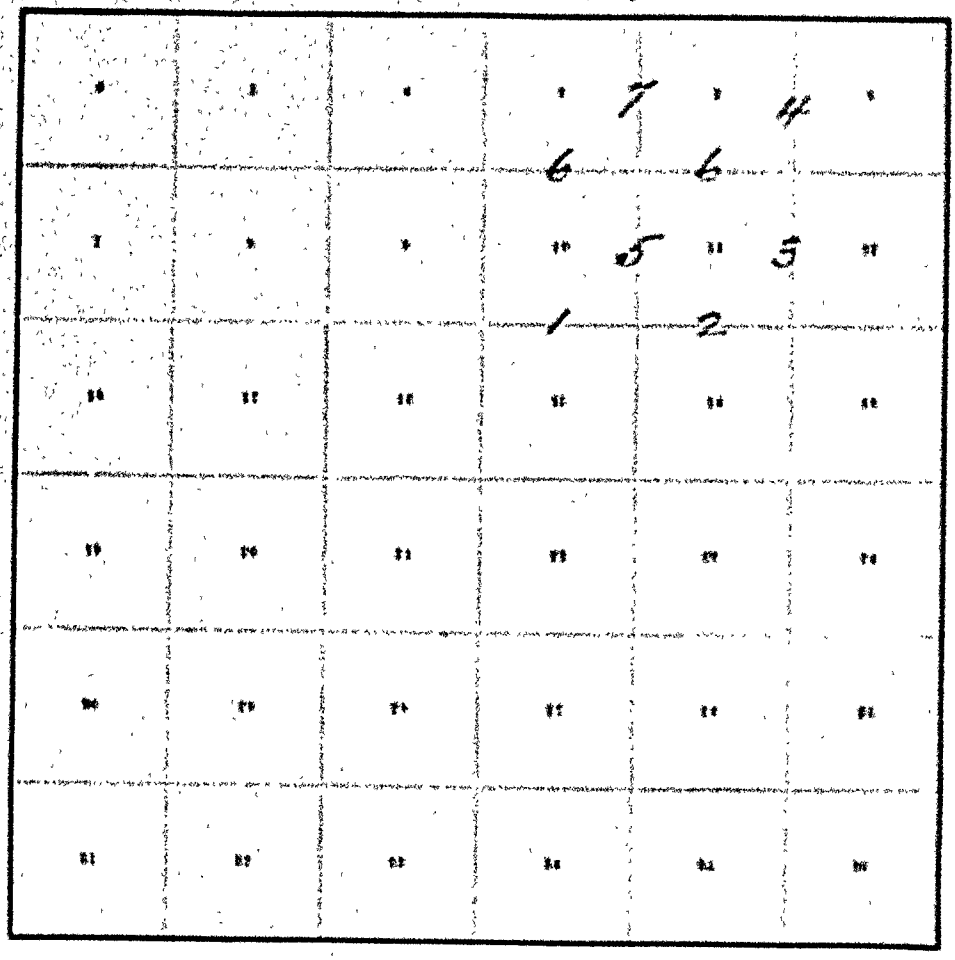
INDEX DIAGRAM.

Township 10 South, Range 4 East



Meanders Page _____

BOOK A-240

Preliminary Oaths of Assistants.

We, _____

_____

_____

do solemnly swear that we will well and faithfully execute the duties of chain carriers; that we will level over even and uneven ground, and plumb the tally-pins either by sticking or dropping the same; that we wi the true distance to all notable objects, and the true lengths of all lines that we assist in measuring, to the be skill and ability, and in accordance with instructions given us in the survey of the _____

_____

_____

_____

_____

_____, *Chai*

_____, *Chai*

_____, *Chai*

_____, *Chai*

Subscribed and sworn to before me this _____ day of _____, 18 .

_____

_____

We, _____

_____

do solemnly swear that we will well and truly perform the duties of axemen in the establishment of corners duties, according to instructions given us, and to the best of our skill and ability, in the survey of the _____

_____

_____

_____

_____

Subscribed and sworn to before me this _____ day of _____, 18 .

_____, *A*

_____, *A*

_____

_____

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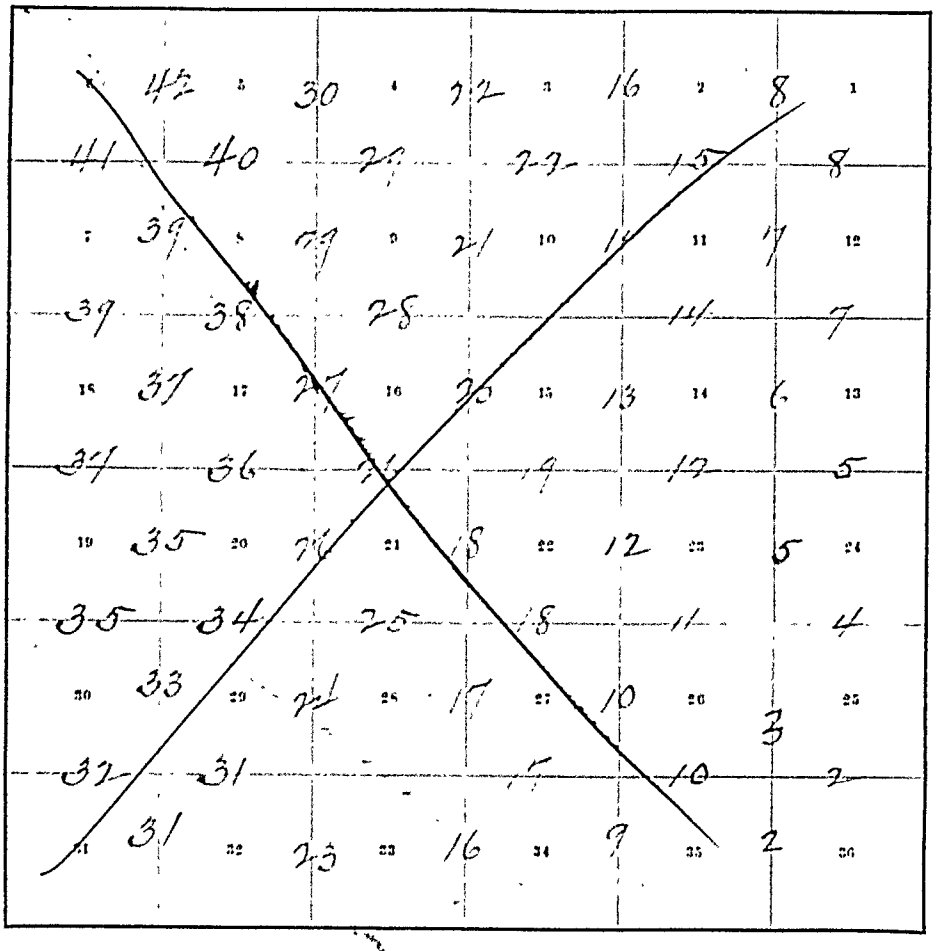
BOOK A-240

Put new index here

INDEX DIAGRAM.

Township 12 S. *Range* 3 E.



Meanders Page

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BOOK A-240

Preliminary Oaths of Assistants.

We, Andrew J Stewart Jr, Scott P Stewart
John R. Stewart and Don W Cownover

do solemnly swear that we will well and faithfully execute the duties of chain carriers; that we will level the over even and uneven ground, and plumb the tally-pins either by sticking or dropping the same; that we will the true distance to all notable objects, and the true lengths of all lines that we assist in measuring, to the best skill and ability, and in accordance with instructions given us in the survey of the Township Twelve South Range Three East and Township Ten South Range Four East (Subdivisional lines)

Andrew J Stewart Jr, Chainm
Scott P Stewart, Chainm
John R Stewart, Chainm
Don W. Cownover, Chainm

Subscribed and sworn to before me this 1st day of October; 1895

E. L. Jones
Clerk of the County Court
Utah County U.T.

We, Wayne F. Preston and Thomas Barnard

do solemnly swear that we will well and truly perform the duties of axemen in the establishment of corners and duties, according to instructions given us, and to the best of our skill and ability, in the survey of the Divisional Lines of Township Twelve South Range Three East and Township Ten South Range Four

Subscribed and sworn to before me this 1st day of October, 1895

Wayne F Preston, Axem
Thomas Barnard, Axem

E L Jones
Clk of the County Court
Utah County
U.T.

Subdivision of Tp. 10 S. R. 4 E.

Chains | Survey commenced Oct. 3, 1895 with a a W. & L. Gurley light mountain solar transit - The horizontal limb is provided with two vernieres placed opposite to each other reading to single minutes, which is also the least count of the vernieres of the latitude and declination arcs.
The instrument was examined, tested on the true meridian at Salt Lake City, found correct, and was approved by the surveyor general for Utah, Oct. 16th 1894.
I examine the adjustments of the transit and find it to be correct.
At 9h A.M. L.M.T. I set up my instrument on the meridian established Sept. 28, 1895 in the resurvey of the N. bdy. of this Tp., and test the solar apparatus as follows - I set off 4°03'S. on the decl. arc; 39°59'N. on the lat arc, and find that my solar gives a meridian agreeing with the meridian established by Polaris observation.
The magnetic bearing of the true meridian is 16°10'W., which reduced by the table on page 100, gives the mean Mag. decl. 16°09' East.
Note. at the Cor. to Secs. 3, 4, 9 and 10 in the resurvey of Subdivision of this Tp.
I took an observation for latitude at 12h noon this day. See Note 1 - Page 1 - Cor. Notes

From the Cor. to Secs. 9, 10, 15 and 16 reestablished by me. Oct. 3, 1895
I run
E. bet. Secs. 10 and 15 Over Mountains
5.50 Spur ridge bears N and S.
10.00 Swale drains N.
20.00 Ridge bears N and S.
36.00 Hollow drains N. 55° E. to Lake Fork Creek
0.00 Set a sandstone 16x12x10 ins - 11 ins. in the
ind 1 Sec. Cor. Marked 1 on N.

Subdivisions of Tp. 10 S. R. 4 E.

Chains ce, and raised a mound of stone 2 ft. base 1½ ft. high N. of Cor.
Pits impracticable
48.50 Ridge bears N. and S.
55.00 Gulch drains N.
60.00 Ridge bears N.E. and S.W.
– 80.00 Set a sandstone 18×12×10 ins – 12 ins. in the ground for Cor. to Secs. 10, 11, 14 and 15, marked 4 notches on S. and 2 notches on E. edges, and raised a mound of stone 2 ft. base 1½ ft. high N. of Cor.
Pits impracticable.
Land mountainous on 80.00 Chs.
Soil rocky 4th rate
Dense oak brush.
Land mountainous on 80.00 Chs.

at the Cor. to Secs. 10. 11. 14 and 15 I set 4°09' S. on the decl. arc.; 39°57' N. on the lat. arc.; and determine a true meridian at 3h 30' p.m. L. M. T.
Thence I run
East bet. Secs. 11 and 14
2.60 Ridge bears N.E. and S.W.
4. A stream 4 lks. wide 2 ins. deep. in Canon flows N.E.
1.9. Ridge bears S.E. and N.W.
20.20 House bears N. 13°35' E.
31. Ravine drains N.
34.40 House bears N. 10°42' W.
36.80 Ridge bears N.E. and S.W.
38.70 Gulch drains N.E.
40.0 Set a sandstone 16×12×4 ins – 11 ins. in the ground for ¼ Sec. Cor. marked ¼ on N. and raised a mound of stone 2 ft. 1½ ft. high N. of Cor.
Pits impracticable.
From which an oak 5 ins. diam. bears N 7° W. 32 lks. dist. marked ¼ S. B. T.
an oak 6 ins. diam. bears N. 81° E. 1.49 lks. marked ¼ S. B. T.

Subdivisions of Tp. 10 S. R. 4 E.

47.00 bears N. 30° E. and S. W.
50.75 Ravine 75 ft. below ridge drains N.E.
60.55 Ridge 250 ft. above creek bears N.E.
6.60 Lake Fork Creek 8 lks. wide 6 ins. deep flows N. 60° W. water clear and cool.
In Cañon drains N.W.
77.20 Road bears N.W. and S.E.
77.80 Ascend.
78.55 Top of rock cliff - 25 ft. high.
80.00 Set sandstone 18×14×6 ins. 12 ins. in the ground for Cor. to Secs. 11, 12, 13 and 14, marked with 4 notches on S. and 1 notch on E. edges, and raised a mound of stone 2 ft. base 1½ ft. high W. of Cor.
Pits impracticable.
From which a cedar 8 ins. diam. bears N. 69° W. 21 lks. dist. marked S. 11 - T 10 S. R. 4 E. B. T.
A cedar 24 ins. diam. bears N. 80° 45' E. 82 lks. dist. marked T. 10 S. R. 4 E. S. 12. B. T.
A cedar 14 ins. diam. bears S. 45° E. 75 lks dist. marked T. 10 S. R. 4 E. S. 13. B. T.
A cedar 24 ins. diam. bears S. 3° W. 65 lks. dist. marked T. 10 S. R. 4 E. S. 14. B. T.
Soil rocky, sandy, clayey, 3rd rate.
Oak brush
Scattering cedars and Balsam
Land Mountainous on 80.00 Chs.
Oct. 3. 1895

Oct. 4. 1895
N. 0° 1' W bet. Secs. 11 and 12.
Over mountains.
5.00 Ridge bears S.W. and N.E.
7.75 Ravine drains S.W.
13.50 Leave cedars - Enter oak brush
22.00 Ridge bears N.E. and S.W.
38.00 Leave oak brush
38.70 Gulch 30 ft. below ¼ Sec. Cor. drains S.W.
40.00 Set sandstone 16×8×6 ins - 11 ins. in the ground ¼ Sec. Cor. marked ¼ on W. face, and raised a mound of stone 2 ft. base 1½ ft. hi W. Pits impracticable.
53.50 5 above gulch drains and S

Subdivisions of T. 10 S. R. 4 E.

Chains	
58.75	Gulch drains W.
80.00	Set a sandstone 20x12x4 ins - 15 ins. in the ground for Cor. to Secs. 1, 2, 11 and 12, marked 5 notches on S. and 1 notch on E. edges and raised a mound of stone 2 ft. base 1½ ft. high W. of Cor. Pits impracticable. Land mountainous Soil rocky, sandy, 3rd rate Cedars on 13.50 Chs. Oak brush 66.50 Chs. Land mountainous on 80.00 Chs.
	N. 0° 01' W.
See Note 2 - Page 1 - Cor. notes.	N. bet. Secs. 1 and 2. Over mountains
8.90	Ridge bears N.E. and S.W.
26.00	Gulch drains W.
35.00	Spur ridge bears E and W
40.00	Set Conglomerate stone 14x10x6 ins - 10 ins. in the ground for 1/4 Sec. Cor. marked 1/4 on W. face and raised a mound of stone 2 ft. base 1½ ft. high W. of Cor. Pits impracticable
50.50	Canon drains S.W. to Lake Fork Creek
60.50	Intersect N. bdy. of Tp. 15.00 Chs. W. of the Cor. to Secs. 35 and 36, described by me in survey of Oct. 1, 1895 where I set a sand stone 20x12x4 ins. 15 ins in the ground for Closing Cor. of Secs. 1 and 2, marked C.C. on S. face, with 1 groove on E. and 5 grooves on W. faces, and raised a mound of stone 2 ft. base 1½ ft. high S. of Cor - Pits impracticable. Land mountainous Soil rocky 4th rate Oak brush. Land mountainous on 60.50 Chs. At 12h noon I set off. 4° 29' S. on the decl. arc. and observe the sun on the meridian at this Cor. The resulting lat. is 39° 59' N.

Subdivisions of T. 10 S. R. 4 E.

Chains From the Cor. to Secs. 10, 11, 14 and 15 de-
by me in the survey of Oct. 3. 189
I run over mountains
N. bet. Secs. 10 and 11 See note 2 page 1 - Cor. Not
4.25 Creek 5 lks. wide 2 ins deep in Cañon
flows N.E. Enter pines and cedars.
12.00 Ridge 100 ft. above Creek bears N.E. and S.W.
25.65 Ledge about 30 ft. high.
27.10 Creek 8 lks. wide 2 ins. deep, in Cañon,
flows N.E.
31.50 Spur ridge bears N.E. and S.W.
40.00 Set sandstone 16×14×6 ins - 11 ins. in the
for 1/4 Sec. Cor. marked 1/4 on W.
and raised a mound of stone 2
base 1 1/2 ft. high W. of Cor.
Pits impracticable.
from which a cedar 5 ins. diam. bears
S. 6° W. 37 lks. dist. marked 1/4 S. B. T.
A cedar 6 ins. diam. bears N. 75° E. 39 lks.
dist. marked 1/4 S. B. T.
54.00 Ridge 800 ft. above Creek bears N.E. and S.W.
64.00 Gulch drains E. Leave pines and cedars.
73.80 " " E.
80.00 Set sandstone 20×18×10 ins - 15 ins. in
the ground for Cor. to Secs. 2, 3, 10 and 11,
marked 5 notches on S. and 2 notches
on E. edges, and raised a mound of
stone 2 ft. base 1 1/2 ft. high W. of Cor.
Pits impracticable.
Land mountainous
soil gravelly, 2nd rate
Timber pine and cedar 59.75 Chs.
Oak brush.
Land Mountainous on 80.00 Chs.
Oct. 4. at 2h p.m. L. M. T. I set off 4° 31' S.
on the decl. arc; 39° 58' on the lat. arc,
and at this Cor. determine the meridian with the solar.

East on a random line bet. Secs. 2 and 11
Set Temporary 1/4 Sec. Cor.

Subdivision of L. 10 S. R. 4 E.

	Intersect N. and S. line 47 Rds. S. of Cor. of Secs. 1, 2, 11 and 12.
	Thence E. over mountains S. 89° 40' W. on a true line bet. Secs. 2 and 11.
1.50	Creek grains S.
4.00	Ridge bears S.W. and N.E.
31.50	Creek drains S. 60° W. Enter Cedars.
40.22	Set granite stone 6x10x5 ins. - 11 ins. in the ground for 1/4 Sec. Cor. Marked 1/4 on N. face, and raised a mound of stone 2 ft. base 1 1/2 ft. high N. of Cor. Pits impracticable. From which a cedar 12 ins. diam. bears S. 74° 45' W. 32 lks. dist. marked 1/4 S. B. T. A cedar 8 ins. diam. bears N. 43° E. 20 lks. dist. marked 1/4 S. B. T.
54.00	Ridge 30 ft. high.
58.00	Leave mountains and cedars. Enter flat.
63.00	Irrigating ditch drains N.W.
65.50	Road bears N.W. and S.E.
65.70	Fence bears N.W. and S.E. Enter Cultivated field.
68.50	Leave " " Lake Fork Creek 20 lks. wide 6 ins. deep, rapid current, flows N.W.
69.42	Fence bears N.W. and S.E. Leave field. Ascend Mountains.
80.40	The Cor. to Secs. 2, 3, 10 and 11 Land Mountainous and flat. Soil rocky, sandy, 4th and 5th rates Cedars on 26.50 Chains. Oak brush. Land Mountainous on 69.03 Chs.

W. on a random line bet. Secs. 3 and 10.

40.00	Set Stone 1/4 Sec. Cor.
80.40	Intersect N. and S. line 50 lks. N. of the Cor. of Secs. 3, 4, 9 and 10 described by me in Survey of Oct. 3. 1895 Thence E. on

Subdivision of S. 10 S. R. 4 E.

Chains	
	N. 89°39' E. on a true line bet. Secs. 3 and 10
3.50	High dividing ridge brs N.E. and S.W.
32.50	Spur ridge brs N.E. and S.W.
38.50	Creek drains S.E.
0.20	Set Sandstone 20×14×5 ins - 15 ins in the ground for 1/4 Sec. Cor. marked 1/4 on N. face, and raised a mound of Stone 2 feet base 1½ ft. high N. of Cor. Pits inspracticable.
47.50	Spur ridge brs S.E. and N.W.
60.00	Deep Cañon drains N.E.
64.50	Bluff of rocks.
0.50	Spur ridge brs N.E. and S.W.
80.40	The Cor. of Secs. 2, 3, 10 and 11 Land Mountainous Soil rocky, gravelly, 3rd rate Oak bush Land mountainous on 80.40 Chs.

N. 0° 01' W.

N. bet. Secs. 2 and 3. Poor Mountains

See Note 2 - Bo
1 - Cor. Note

7.00	Enter flat brs N.W. and S.E.
8.90	brs N.W. and S.E.
	Enter cultivated field.
14.00	Lake Fork Creek 15 lks wide 3 ins. deep flows N.W.
30.30	Fence brs N.W. and S.E.
	Leave Cultivated field.
30.50	Road brs N.W. and S.E.
31.28	Irrigation ditch drains N.W. Leave flat
40.00	Set Sandstone 20×14×10 ins. 15 ins in the ground for 1/4 Sec. Cor. Marked 1/4 on W. face, and raised a mound of Stone 2 ft. base 1½ ft. high, W. of Cor. Pits inspracticable.
49.20	Top of Spur ridge brs N.W. and S.E. Cellar brs S. 15° W. About 21.00 Chs. dist Stable " S. 22°30' W. " 23.00 " " R.E. L. Collins House brs. S. 65°45' W. 20.00 Chs. dist.
.0	N. Gp. 14.00 Chs. W. of

350

Subdivision of T. 10 S. R. 4 E.

of Cor. of Secs. 35 and 34 described by me in the survey of Oct. 2, 1895, where I set a granite stone 24×20×12 ins - 18 ins. the ground for closing Cor. of Secs. 2 and 3 marked C C on S. and 2 grooves on E and W. faces and raised a mound of stone 4 ft. base 1½ ft. high S. of Cor. Pits impracticable.

Land flat and mountainous Soil 1st & 4th rate. Sandy, rocky some oak brush.

Land mountainous in 35.62 chs.

Oct. 4th 1895

General Description

The land embraced in this fractional township is mountainous, and owing to the rough and broken Char of the Country, only Secs. 2, 3, 10 and 11 were surveyed. The mountainous surveyed is used for grazing purposes.

There is some good land along Lake Creek, a stream averaging about 6 feet in width and about 8 ins. deep. R. E. L. Collier has a house in lot 1 Sec. 3 and about 80 acres under fence, and cultivation in Secs. 2, 3 and 11.

There is an abandoned house in Sec. 11.

There are no other settlers in the T.P. The desert entry of St. Vrain Le Sieur is abandoned

Henry Fitzhugh
Nicholas Fitzhugh
U.S. Dep. Surveyors.

Correction Notes
Subdivisions T 10 S. R. 4 E.

Note
1 This is a clerical error.
I set off 4°06' on my decl. arc.
and the resulting latitude is
39°58' N.

2 This is a clerical error.
This line is run N. 0°01' W. on the
ground.

Henry Fitzhugh
Nicholas Fitzhugh
U.S. Deputy Survey

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List of Names.

A list of the names of the individuals employed by _____

_____, U. S. Deputy Surveyor, to assist in running, measuring, and arking the lines and corners described in the foregoing field notes of the survey of the _____

_____

_____

_____

_____

_____

_____

_____Meridian, in _____, showing e respective capacities in which they acted:

_____

_____

_____

_____

_____

_____

_____

_____

Final Oath of Assistants:

We hereby certify that we assisted _____

_____, U. S. Deputy Surveyor, in surveying all se parts or portions of the _____

_____

_____

_____

_____

_____

_____

_____ Meridian, _____, as are represented in the going field notes as having been surveyed by him and under his direction; and that said survey has been in all ects, to the best of our knowledge and belief, well and faithfully surveyed, and the corner monuments established, rding to the instructions furnished by the U. S. Surveyor General for _____

_____

_____

_____

_____

_____

_____

_____

scribed and sworn to before me this _____

day of _____, 18 .

SEAL

_____

_____

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BOOK A-240

Final Oath of U. S. Deputy Surveyor.

I, ..., U. S. Deputy Surveyo
solemnly swear that, in pursuance of instructions received from ....., Surveyor General for ....., bearing date of the .....d ....., 18 , I have well, faithfully, and truly, in my own proper person, and in conformity with the instructions furnished by the U. S. Surveyor General for ..... surveying manual, and the laws of the United States, surveyed all those parts or portions of .....

.....Meridian, in the ....., as are represented in the going field notes as having been surveyed by me, and under my directions; and I do further solemnly swear tha the corners of said survey have been established and perpetuated in strict accordance with the surveying ma printed instructions, the special written instructions of the U. S. Surveyor General for..... and in the specific manner described in the field notes, and that the foregoing are the true field notes of such su and should any fraud be detected, I will suffer the penalty of perjury under the provisions of an Act of Cor approved August 8, 1846.

.....
U. S. Deputy Surve

Subscribed and sworn to before me this .....
day of ....., 18 .

SEAL

.....

Approval.

Office of the U. S. Surveyor General,
Salt Lake City, Utah, June 25th, 189

The foregoing field notes of the survey of the subdivisions of Townsh 10 South Range 4 East Salt Lake Base & Merid Utah Territory

.....execut
Henry Fitzhugh and Nicholas Fitzhugh
under ~~his~~ their Contract No. 200, dated March 8th, 1895, having been crit examined, the necessary corrections and explanations made, the said field notes, and the surveys they describe hereby approved.

.....
U. S. Surveyor Gener

I certify that the foregoing transcript of the field notes of the above-described surveys in ....., has been correctly copied from the original notes on file in this office.

.....
U. S. Surveyor Gener

6—151

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(4—679.)

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359

BOOK A-240

K.F.B.

FIELD NOTES

OF THE SURVEY OF

North West Boundary

Township 12 South Range 3 East

Of the Salt Lake Base and Meridian,

Utah

AS SURVEYED BY

Fitzhugh and Nicholas Fitzhugh U. S. Deputy Surveyors

der ~~his~~ Contract No. 200, dated March 8th 1895

rvey commenced October 5th, 1895

rvey completed " 9th, 1895

—2,'00.) 6—151

H. 12.04.00 ✓

Clay Lp 5.35 ✓

Names and Duties of Assistants.

Andrew J. Stewart Jr	Chairman
Scott P. Stewart	"
John R. Stewart	"
Don W. Connover	"
Wayne F. Preston	Axeman
Thomas Barnard	"

BOOK A-240

INDEX DIAGRAM.

Township 12 S., *Range* 3 E.

6	7	8	8	9	9
6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

Meanders Page.....

Preliminary [illegible]ats o Assistants.

We, _____

_____

_____

do solemnly swear that we will well and faithfully execute the duties of chain carriers; that we will level th over even and uneven ground, and plumb the tally-pins either by sticking or dropping the same; that we will the true distance to all notable objects, and the true lengths of all lines that we assist in measuring, to the best skill and ability, and in accordance with instructions given us in the survey of the _____

_____

_____

_____

_____

_____, *Chainm*

_____, *Chainm*

_____, *Chainm*

_____, *Chainm*

Subscribed and sworn to before me this _____ day of _____, 18 .

_____

_____

We, _____

_____

do solemnly swear that we will well and truly perform the duties of axemen in the establishment of corners and duties, according to instructions given us, and to the best of our skill and ability, in the survey of the _____

_____

_____

_____

_____

Subscribed and sworn to before me this _____ day of _____, 18 .

_____, *Axe*

_____, *Axe*

_____

_____

_____

c—11

West bdy. T 12 S R 3 E

Chains Survey commenced October 5th 1895 with a W. & L. E. Gurley light mountain solar transit. The horizontal limb is provided with two ver[illegible], acid opposite to each other reading to single minutes, which is also the least count of the verniers of the latitude and declination arcs.

The instrument was examined, tested on the true meridian at Salt Lake City found correct, and was approved by the surveyor

Utah, October 16th 1894

I examine the adjustment of the transit and find it to be correct, then, to test the solar apparatus during a.m. and p.m. hours with a true meridian determined by observations on Polaris I proceed as follows-

Oct 5th At 2h p.m. L.M.T. At the cor. to Tps. 12 and 13 S. Rgs 2 and 3 E. latitude 39°-43' N. longitude 111°-40' I set off 39°-43' N on the lat. arc; 4°-54' S on the decl. arc and determine with the solar a true meridian and mark a point on a picket set firmly in the ground 5.00 chs. N of the cor. At 0h-26m a.m. L.M.T. I observe Polaris at upper culmin in accordance with Manual of Instructions and mark a point on the line thus determined on the [illegible] driven in the ground 5.00 chs N of my station.

October 5th 1895

October 7th 1895. At 8h 30m a.m. L.M.T. The true meridian determined by Polaris observation falls at the mark determined with the solar Oct. 5th.

At 8h 30m a.m. L.M.T. I set off 5°-35' S on the decl. arc; 39°-43' N on the lat. arc and m a point in the true meridian determined with the solar by a groove in the picket set N of my station: this mark falls 0.2 ins west of the true meridian established by the Polaris observation, and the ~~a.m.~~ observation falls 0'10" west. I therefore conclude the solar apparatus is in adjustment

See note 1 Page 1. Cor. Not

The m the true me-

West Bdy. T 12 S. R 3 E.

Chains ridian at 8h-40m a.m. is N 16°-30' W. the angle thus determined reduced by table page 100 the mean Mag. decl: 16°-27' East.

From the Cor. to Tps. 12 and 13 S Rgs 2 and 3 E which is a Lime Stone 20 x 15 x 9 ins. 15 ins in the ground, marked with 6 notches on each edge mound of stone 2 ft. base. 1½ ft. high N. of Cor.

I run

North bet Secs 31 and 36

Over Mountains

26.75 Road bears N.E. and S.W.

31.80 Dividing ridge bears N.E. and S.W.

32.70 Enter Quaking asp thicket

40.00 Set volcanic Stone 16 x 8 x 6 ins. 10 ins in the for ¼ sec. Cor.

See Note 2 - page 1. Cor. Notes.

From which a Quaking asp 4 ins diam bears N 85° E 10 lks dist marked ¼ S.B.T.

A Quaking asp 4 ins diam bears N 62° W 27 dist Marked ¼ S.B.T.

47.60 Drag road bears N.W. and S.E.

67.70 " " " N.W. and S.E. Enter pine

70.50 Spring bears W 2.00 chs

74.00 Leave pine timber Spring branch flows N.E.

See Note 3 - page 1 - Cor. Notes

80.00 Set Quartzite 18 x 10 x 10 ins. 12 ins in the ground for Cor to Secs 25. 30. 31 and 36 Marked with 1 notch on S and 5 notches on N. edges and raised a mound of stone 2 ft. base, 1½ ft. high W of Cor. Pits impracticable

Land mountainous

Soil rocky, gravelly, 2nd and 4th rate

Pine and Quaking asp

Oak brush

Land mountainous on 80.00 chs.

North bet Secs 25 and 30

Over Mountains

26.35 Hollow drains N.W.

35.70 Spur ridge bears N.W. and S.E.

40.00 Set a Sand Stone 20 x 8 x 6 ins. 15 ins in the ¼ Sec Cor. marked '4 on W

West bdy T. 12 S R 3 E

Chains	
	and raised a mound of stone 2 ft. base 1½ ft. high W. of Cor. Pits impracticable
46.00	Same hollow drains N.E.
60.25	Road bears N.W. and S.E.
60.50	Wash in deep Cañon drains N.W. at junction of gulch heads N.E.
73.00	Spur ridge bears N.W. and S.E.
80.00	Set Sand Stone 16 x 14 x 4 ins. 10 ins in the ground for Cor to Secs 19. 24. 25 and 30. Marked with 2 notches on S and E notches on N. edges and raised a mound of stone 2 ft. base 1½ ft. high W. of Cor. Pits impracticable
	Land Mountainous
	Soil rocky. 2nd and 4th rate
	Oak brush undergrowth
	Land Mountainous on 80.00 chs
	North bet Secs 19 and 24
	Oak Mountains
	Steep ascent
37.30	Dividing ridge bears N.E. and S.W.
40.00	On Ridge N hillside. Set a Sand Stone 14 x 8 x 8 ins. 10 ins in the ground for ¼ Sec. Cor. marked ¼ on W face and raised a mound of stone 2 ft base 1½ ft. high W. of Cor. Pits impracticable-
60.00	Head of gulch drains N.W.
67.00	Spur ridge bears N.W. and S.E.
78.50	Hollow drains N.W.
80.00	Set Sand Stone 14 x 10 x 6 ins. 10 ins in the ground for Cor to Secs 13. 18. 19 and 24 Marked with 3 notches on N and S edges. and raised a mound of stone 2 ft. base 1½ ft. high W of Cor. Pits impracticable.
	Land Mountainous
	Soil rocky. 4th rate
	Oak undergrowth
	Land Mountainous on 80.00 chs
	Oct 7th At this Cor I ck off 5° 38' S on the dec are and at 12h noon observed the Sun on the Meridian. The resulting Lat is 39° 46' N

West bdy. T. 12 S. R. 3 E.

Chains

North bet. Secs 13 and 18
Over Mountains
4.00 Deep Canon drains S.W.
4.50 Road bears N.E. and S.W.
20.80 Spur ridge bears N. and S.W. Thence up & same
36.00 Ridge bears N.E. and S.W.
40.00 Set Sand Stone 16 x 8 x 4 ins. 10 ins in the ground for 1/4 Sec. Cor. Marked 1/4 on W face and raised a mound of stone 2 ft. base, 1½ ft. high W of Cor Pits impracticable
Note 3 - page 1 Cor. Notes 5.00 Spring branch in gulch flows S.W.
— 80.00 Set Sand Stone 14 x 10 x 8 ins. 10 ins in the ground for to Secs 7, 12, 13 and 18 Marked with 2 notches on N and 4 notches on S edges and raised a mound of stone 2 ft. base, 1½ ft. high W of Cor Pits impracticable
Land Mountainous
Soil gravelly. 2nd and 4th rate
Oak brush undergrowth
Land Mountainous on 80.00 chs

North bet Secs 7 and 12
Over Mountains
36.50 Ridge bears N.E. and S.W.
40.00 Set Volcanic Stone 14 x 10 x 8 ins. 10 ins in the ground for 1/4 Sec. Cor. Marked 1/4 on W face raised a mound of stone 2 ft. base, 1½ ft. high W of Cor. Pits impracticable
44.00 Enter Pine and Quaking Asp Timber
50.00 Gulch drains S.W. Some timber
78.00 Spur ridge bears N.E. and S.W.
— 80.00 Set Quartzite boulder 12 x 10 x 10 ins. 8 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 and raised a mound of stone 2 ft. base, 1½ ft. high W of Cor Pits impracticable
Land Mountainous
Soil rocky. 4th rate
Pine and Quaking Asp
Oak brush
Land Mountainous on 80.00 chs.

West bdy. T 12 S R 3 E

chains	
	North bet Secs 1 and 6
	Over Mountains
300	Enter pine timber
1780	Gulch drains S.W.
3500	Leave pine timber
4000	Set Quartzite boulder 20 x 12 x 8 ins. 15 ins in the ground for 1/4 sec Cor. Marked 1/4 on W face and raised a mound of stone 2 ft. base 1 1/2 ft. high W. of cor. Pits impracticable
5500	Ridge bears N and S. Thence along same
7300	Descend NE slope
8000	Set Quartzite stone 14 x 14 x 12 ins. 10 ins in the ground for Cor to Tps 11 and 12 S Rgs 2 and 3 E Marked 11 S on the N.E.
	3 E on S.E.
	12 S on S.W.
	2 E. on N.W. faces and 6 notches on each edge and raised a mound of stone 2 ft. base 1 1/2 ft. high S of cor Pits impracticable
	From which a Quaking asp 3 ins diam bears S 40° E 10 lks dist marked T. 12 S. R. 3 E. S. 6. B.T.
	A Quaking asp 3 ins diam bears N 65° W 25 lks dist marked T. 11 S. R. 2 E S. 36 B.T.
	Land Mountainous
	Soil rocky. gravelly: 2nd and 4th rate
	Pine Timber
	Oak brush
	Land Mountainous on 8000 chs.
	October 7th 1895

North Body. T 12 S. R 3 E.
To 5-

Chains. Note= Not being able to find the Cor to Tps 11 and 12 S Rgs 3 and 4 E I reestablish it as follows

From the Cor to Secs 1, 6, 7 and 12 Tps 12 S Rgs 3 and 4 E which is a Point boulder 7X10X10 ins above ground marked with 1 notch on N and 5 notches on S edges and mound of Stone alongside, I run bet Secs 1 and 6 and at 8.00 chs set Temp Cor for Tps 11 and 12 S Rgs 3 and 4 E. I then go to the Cor to Secs 5, 6, 31 and 32 Tps 11 and 12 S Rgs 4 E which is a Sand Stone 7X12X10 ins above ground marked with 5 notches on E and 1 notch on W edge and run N 89° 25' bet Secs 6 and 31 and at 87.25 chs intersect N and S line 45 lks N of the Temp Cor previously set where I set a White granite boulder 14 X 8 X 6 ins 10 ins in the ground for Cor to Tps 11 and 12 S Rg 4 E Marked with 6 notches on edge and raised a mound of stone 2 ft. base, 1½ ft. high S. of Cor. Pits impracticable.

I then run West on a random line bet Tps 11 and 12 S Rgs 3 E setting Temp ¼ Sec Cor and Sec Cor at intervals of 40.00 chs. At the Temp Cor to Secs 2, 3, 34, 35 I set off 39° 48' N on the lat arc, 5° 59' S on the arc, and at 10h 28m a m L.M.T. determine a True Meridian with the Solar. I then continue my West Oct 4th At the Temp Cor to Secs 3, 4, 33 and 34 I set off 6° 01' S on the dec arc and at 12h noon observed the Sun on the Meridian the resulting Lat is 39° 48' N At 48400 chs intersect N and S line 5.25 chs S of the Cor to Tps 11 and 12 S Rgs 2 and 3 E.

Oct 7th October 8th 1895

W Notes - Cor. Notes -

October 9th 1895

From the Cor to Tps 11 and 12 S Rgs 2 and 3 E I run

East bet Secs 6 and 31.

Over Mountains

44.00 Set Flint boulder 16X10X8 ins 10 ins in the ¼ Sec Cor marked ¼ Sec Cor and raised a

North bdy T. 12 S. R 3 E.

Chains mound of stone 2 ft. base. 1½ ft. high N of Cor
Pits impracticable
64.00 Creek in Cañon, 5 lks wide flows N 20° W
73.00 Spur ridge bears N.W. and S.E.
79.00 Gulch drains N.W.
84.00 Set White flint stone 18x14x4 ins. 12 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 and raised a mound of stone 2 ft. base, 1½ ft. high N of Cor Note 5-Pa 1-Cor. note
Pits impracticable
Land Mountainous
Soil rocky 4th rate
Scattering pine and Aspen in gulches
Oak brush
Land Mountainous on 84.00 chs

East bet Secs 5 and 32
Over Mountains
16.00 Spur ridge bears N.W. and S.E.
22.50 Hollow drains N.W.
27.50 Spur ridge bears N.W. and S.E.
32.50 Hollow drains N.W.
40.00 Set Quartzite stone 18x8x8 ins. 12 ins in the gro for ¼ Sec. Cor. Marked ¼ on N face: dug pits 18x18x12 ins. E and W of stone 3 ft. dist. and raised a mound of earth 3½ ft. base, 1½ ft. high N of Cor.
42.00 Spur ridge bears N.W. and S.E.
46.00 Hollow drains N.W.
68.00 Dividing ridge bears N.E. and S.W.
80.00 Set White flint stone 16x10x8 ins 10 ins in the ground for Cor to Secs 4.5.32 and 33 Marked with 2 notches on W and 4 notches on E edges and raised a mound of stone 2 ft. base. 1½ ft. high N of Cor Pits impracticable See note 5-Pa 1-Cor. notes
Land Mountainous
Soil rocky 4th rate
Oak and Sage undergroth
and Mountainous on 80.00 chs.

October 7th At 10h M.L.M.T. I set 3°48'

North bdy. T12S R3E

Chains	
	on the lat. arc 6°22'5 on the decl. arc and determine a true meridian with the solar on the Cor to Secs. 4, 5, 32 and 33
	Thence N
	East bet Secs 4 and 33
	Over Mountains.
14.50	Spur ridge bears N.W and S.E
24.50	Head of hollow drains N.E.
38.00	Spur ridge bears N.E. and S.W.
40.00	Set Sand Stone 14x12x8 ins 10 ins in the ground for 1/4 Sec. Cor. Marked 1/4 on N face and raised a mound of stone 2 ft. base 1½ ft. high N. Pits impracticable
63.40	Hollow drains N.E.
70.00	Spur ridge bears N.E. and S.W.
80.00	Set Quartzite Stone 12x10x6 ins. 8 ins in the ground for Cor to Secs 3, 4, 33 and 34 Marked with 3 Notches on E and W. edges; and raised a mound of Stone 2 ft. base 1½ ft. high N. of Cor. Pits impracticable
Note 5 Cor. 2	Land Mountainous
	Soil rocky: 4th rate
	Oak and Sage undergrowth
	Land Mountainous on 80.00 chs.
	Dec 9th At this Cor I set off 6°24'5 on the decl arc; and at 12h noon L.M.T. observe the Sun on the Meridian. The resulting Lat is 39°48' N

	East bet Secs 3 and 34
	Over Mountains
9.00	Road bears N.E. and S.W.
9.75	Creek in Canon 6 lks wide flows N.E.
40.00	On Spur ridge bears N.W. and S.E. Set a Volcanic rock 20x14x10 ins. 15 ins in the ground 1/4 Sec Cor. Marked 1/4 on N face, and raised a mound of stone 2 ft. base. 1½ ft. high N. of Cor. Pits impracticable
45.00	Gulch Drains N.W.
80.00	Set a Volcanic Stone 20x14x12 ins 15 ins in the ground for Cor to Secs 2, 3, 34 and 35 M with 2 Notches on E and 4 Notches on W and 2 a mound of stone 2 ft 1'

North bdy. T 12 S R 3 E

Chains		
	high N of Cor Pits impracticable	See Note 5. Pa 1 Cor. Notes
	Land Mountainous	
	Soil rocky, 4th rate	
	Oak brush undergrowth	
	Land Mountainous on 80.00 chs.	
	East bet Secs 2 and 35	
	Over Mountains	
13.50	Ridge bears N.E. and S.W.	
20.00	Hollow drains N.E.	
26.00	Ridge bears N.E. and S.W.	
35.00	Hollow drains N.E.	
37.50	Spur ridge bears N.E. and S.W.	
40.00	An aspen 5 ins diam for 1/4 sec cor. marked 1/4 S on N side	
	From which an aspen 3 ins diam bears N 50° W 20 lks dist. marked 1/4 S.B.T.	
	An aspen 3 ins diam bears S 24° W 30 lks dist marked 1/4 S.B.T.	
42.00	Hollow drains N.E.	
50.00	Ridge bears N.E. and S.W.	
73.00	Gulch drains N.E.	
80.00	Set Volcanic stone 16x10x8 ins. 10 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 and raised a mound of stone 2 ft. base, 1½ ft. high N. of Cor. Pits impracticable	See Note 5. Page 1 Cor. Not.
	Land Mountainous	
	Soil rocky. 4th rate	
	Oak and aspen	
	Land Mountainous on 80.00 chs.	
	East bet Secs. 1 and 36.	
	Over Mountains	
17.00	Hollow drains N.E.	
28.00	Spur ridge bears N.E. and S.W.	
40.00	Set Flint stone 18x12x10 ins. 12 ins in the ground for 1/4 sec cor. marked 1/4 on N face and raised a mound of stone 2 ft. base, 1½ ft. high N of Cor. its impracticable	

North bdy T.12 S R.3 E.

Chains	
44,00	Spur ridge bears N.E and S.W.
80,00	Intersect Tp. line 5.25 chs. N of the Cor to Tps 11 and 12 S R 3 E
	I set Sand Stone 16 x 12 x 8 ins. 10 ins in the for closing cor. to Tps 11 and 12 S Rg. 3 E Marked C.C. on W with 6 grooves on the N. S and W faces and raised a mound of Stone 2 ft. base 1½ ft. high W. of Cor. Pits impracticable
	Land Mountainous
	Soil rocky: 4th rate
	Oak undergroth
	Land Mountainous in 80.00 chs.

See note 6. Page 1. Cor. Notes.

See note 7 - Page 1 Cor. Notes.

October 9th 1895

Exterior Boundaries. T12 S R 3 E

del

Line	Designated	Line	Distance chains	Latitude N ains		Departure E	W
W. Bdy.	T.12 S. R.3 E	South	480.00		480.00		
S "	T.12 S. R.3 E.	East	484.60			484.60	
E "	T.12 S. R.3 E.	North	480.00	480.00			
N "	T.12 S. R.3 E.	West	484.00				484.00
							.60
				480.00	480.00	484.60	484.60
				480 00			484.60
		Error in lat		0.00	Error in dep.		0.00

[illegible]

General Description.

See end of Subdivisional Notes

Henry Fitzhugh

Nicholas Fitzhugh

U.S. Dept.

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Correction Notes
West and North Boundary T. 12 S. R. 3 E.

No.

1 This is a clerical error.
This should be a P. M. observation.

2 This is a clerical error.
This corner is marked 1/4 on W. face

3 This is a clerical error.
This Spring branch is about 2 lks. mile

4 This is a clerical error.
This date should be October 8th

5 This is a clerical error.
The mound is on the W. of this corner.

6 This is a clerical error.
In addition to the marks reported in
the notes this Cor. is marked
12 S. on S.
3 E. on W. and.
11 S. on N. faces.

7. The marks pertaining to Range 3 E.
were removed from the Cor. to Tps. 11
12 S. R. 4 E.

Henry Fitzhugh
Nicholas A. Fitzhugh
U. S. Deputy Surveyors.

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List of Names.

A list of the names of the individuals employed by Henry Fitzhugh and Nicholas Fitzhugh, U. S. Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the survey of the Exterior Lines of ~~Township Six South Range Three East~~ Township Seven South Range Three East and Township Twelve South Range Three East

Salt Lake Meridian, in Utah Territory, showing the respective capacities in which they acted:

Andrew J Stewart Jr	Chainman
Scott B Stewart	"
John R Stewart	"
Don M Conover	"
Wayne F Preston	Flagman
Thomas Barnard	"

Final Oath of Assistants:

We hereby certify that we assisted Henry Fitzhugh and Nicholas Fitzhugh, U. S. Deputy Surveyor, in surveying all those parts or portions of the Exterior Lines of Township ~~Six South Range Three East~~ Township Seven South Range Three East and Township Twelve South Range Three East

Salt Lake Meridian, Utah Territory, as are represented in the foregoing field notes as having been surveyed by ~~him~~ them and under ~~his~~ their 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 U. S. Surveyor General for Utah Territory.

Andrew J Stewart Jr Chainman
Scott B. Stewart "
John R Stewart "
Don M. Conover "
Wayne F Preston Flagman
Thomas Barnard "

Subscribed and sworn to before me this 6th day of November, 1895.

SEAL

E. L. Jones
Clerk of the County Court
Utah County
U. T.

6—151

380 U A-240

Final Oath of U. S. Deputy Surveyor.

I, Henry Fitzhugh and Nicholas Fitzhugh, U. S. Deputy Su
solemnly swear that, in pursuance of instructions received from George W Snow
Surveyor General for Utah Territory, bearing date of the 8th
March, 1895, I have well, faithfully, and truly, in my own proper person, an
conformity with the instructions furnished by the U. S. Surveyor General for Utah
surveying manual, and the laws of the United States, surveyed all those parts or portions of Ex
lines of Township Seven South Range Three East
Township Twelve South Range Three East

Salt Lake Meridian, in the Territory of Utah, as are represented i
going field notes as having been surveyed by me, and under my directions; and I do further solemnly swea
the corners of said survey have been established and perpetuated in strict accordance with the surveyin
printed instructions, the special written instructions of the U. S. Surveyor General for Utah
and in the specific manner described in the field notes, and that the foregoing are the true field notes of su
and should any fraud be detected, I will suffer the penalty of perjury under the provisions of an Act of
approved August 8, 1846.

Henry Fitzhugh.
Nicholas Fitzhugh
U. S. Deputy

Subscribed and sworn to before me this 19th
day of December, 1895.

SEAL

George W Snow
U S Surveyor

Approval.

Office of the U. S. Surveyor General,
Salt Lake City Utah June 23rd, 1

The foregoing field notes of the survey of West & North Boundaries
Township 2 South Range 3 East of the S
Salt Lake Base & Meridian in the Territory of

Henry Fitzhugh & Nicholas Fitzhugh
under his Contract No. 200, dated March 8th, 1895, having bee
examined, the necessary corrections and explanations made, the said field notes, and the surveys they des
hereby approved.

U. S. Surveyor

I certify that the foregoing transcript of the field notes of the above-described surveys in
, has been correctly copied from the original notes on file in this office.

U. S. Surveyor

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(4—679.)

BOOK A-240

K. F. B.

FIELD NOTES

OF THE SURVEY OF

Subdivisional lines of Township Twelve South Range Three East ~~and Township Ten South Range Four East~~

Of the Salt Lake Meridian,

Territory of Utah

AS SURVEYED BY

Henry Fitzhugh & Nicholas Fitzhugh, U. S. Deputy Surveyors

Under ~~his~~ their Contract No. 200, dated March 8th 1895.

Survey commenced October 10th, 1895.

Survey completed October 28th, 1895

(12593—2,000.)

$60.28.48 ✓

$27.40 ✓

Book A-240

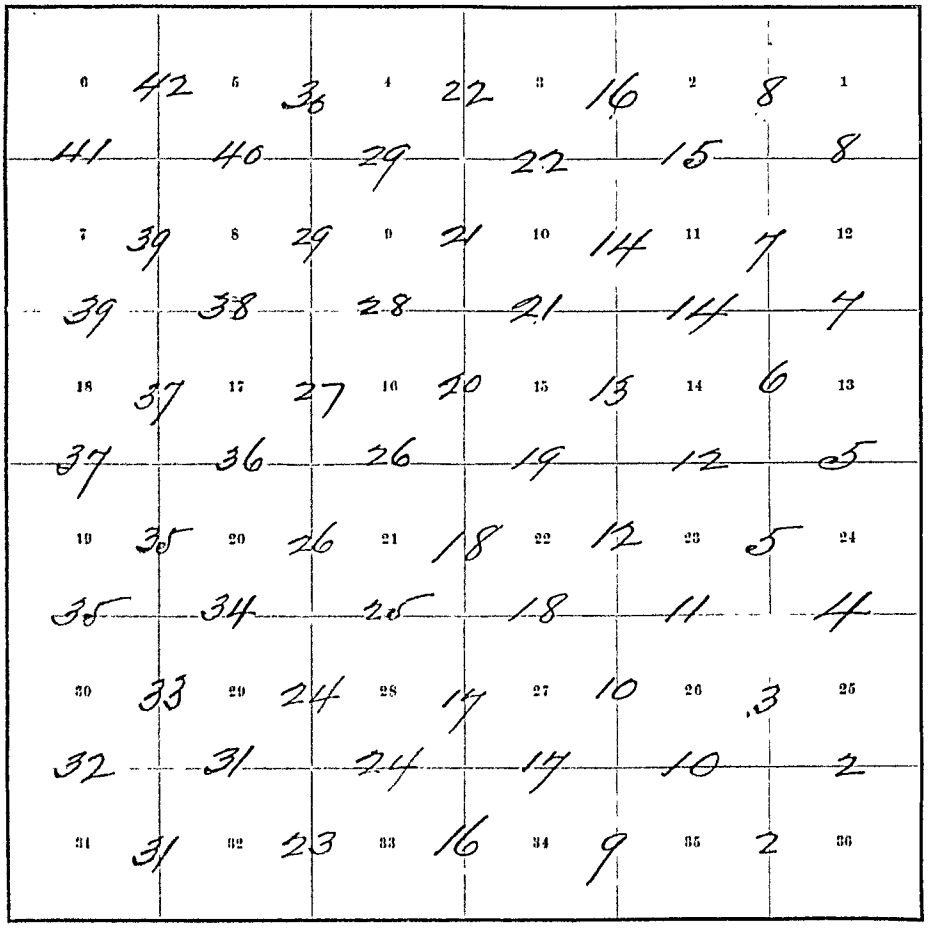
Names and Duties of Assistants.

Andrew J Stewart Jr	Chairman
Scott O Stewart	"
John R Stewart	"
Don W Cownover	"
Wayne F Preston	Fireman
Thomas Barnard	"

BOOK A-240

INDEX DIAGRAM.

Township 12 S. , *Range* 3 East



Meanders Page .....

observation and no G. M. observation

Preliminary Oaths of Assistants.

We, _____

_____

_____

do solemnly swear that we will well and faithfully execute the duties of chain carriers; that we will level over even and uneven ground, and plumb the tally-pins either by sticking or dropping the same; that we w the true distance to all notable objects, and the true lengths of all lines that we assist in measuring, to the b skill and ability, and in accordance with instructions given us in the survey of the _____

_____

_____

_____

_____

_____, *Cha*

_____, *Cha*

_____, *Cha*

_____, *Cha*

Subscribed and sworn to before me this _____ day of _____, 18 .

_____

_____

We, _____

_____

do solemnly swear that we will well and truly perform the duties of axemen in the establishment of corners duties, according to instructions given us, and to the best of our skill and ability, in the survey of the _____

_____

_____

_____

_____

Subscribed and sworn to before me this _____ day of _____, 18 .

_____,

_____,

_____

_____

_____

Subdivisions of T. 12 S. R. 3 E.

Chains

Survey Commenced October 10th 1895 with a W. & L. E. Gurley light mountain Solar Transit. The horizontal limb is provided with two verniers placed opposite to each other reading to single minutes of arc, which is also the least count of the verniers of the latitude and declination arcs.

The instrument was examined tested on the true meridian at Salt Lake City, found correct, and was approved by the Surveyor General Utah October 16th 1894.

I examine the adjustment of the transit and find it to be correct then, to test the Solar apparatus during a.m. and p.m hours with a true meridian determined by observations on Polaris I proceed as follows.

October 10th at 3h 30m p.m. L.M.T. at the lake on line bet Secs 22 and 23: 27.00 Chs from the Cor to Secs 14, 15, 22 and 23 latitude 39° 45.4' N longitude 111° 35.5' W. I set off 39° 45' N on the lat arc: 6° 50' S on the decl arc and determine with the Solar a true meridian and mark a point on a picket set firmly in the ground 5.00 Chs N of my station At 0h 0m a.m. L.M.T. I observe Polaris at upper culmination in accordance with Manual of Instructions and mark a point on the line thus determined on the picket driven in the ground 5.00 Chs. N of my Station

October 10th 1895

October 11th 1895. At 8h a.m. L.M.T. The true meridian determined by Polaris observation falls at the mark determined with the Solar October 10th.

At 8h 30m a.m. L.M.T. I set off 7° 6' S on the decl. arc: 39° 45' N on the lat. arc and mark a point in the true meridian determined with the Solar by a groove in the picket set N of my station: this mark falls 0.2 ins West of the true meridian established by the Polaris observation and the a.m. observation

Subdivisions of T 12 S R 3 E

Chains 0'10" west. I therefore conclude that the solar apparatus is in adjustment

The Magnetic bearing of the true meridian at 8h-30m A.M. is N 16°-30' W. the angle thus determined reduced by Table page 100 the mean mag. decl. 16°-27' E -

---

From the cor. to Secs 35 and 36 on the S bdy of the Tp. described in the survey made by me 11th

I run

N 0°-1' W bet Secs 35 and 36

Over Mountains

32.80 Gulch drains E

37.00 Ridge bears E and W

40.00 Set S and Stone 16x14x12. ins 10 ins in the ¼ Sec. Cor. Marked ¼ on W. face and raised a mound of stone 2 ft. base. 1½ ft. high W of Cor

Pits impracticable

42.80 Gulch drains S.E.

64.00 Ridge bears S.E. and N.W.

71.00 Hollow drains S.E.

77.00 Spur ridge bears N.W and S.E

78.00 Gulch drains E

80.00 Set Quartzite Stone 16x10x6 ins. 10 ins. in the ground for Cor to Secs. 25. 26. 35 and 36 M with 1 notch on S and E edges. and raised a mound of stone 2 ft. base. 1½ ft. high W. of Cor.

Pits impracticable

Land mountainous

Soil rocky: 4th rate

Oak brush

Land mountainous on 80.00 chs.

East on a random line bet Secs 25 and 36

40.00 Set temp ¼ Sec. Cor.

80.30 Intersect E. bdy. of the Tp 6.00 chs N of the cor. to Secs 30 and 31 which is a Granite Stone 7x8x6 ins above ground marked with 1 on S and 5 notches on N. edges and mound of stone

u note 1-P
Cor. Notes

Subdivisions of T. 12 S. R. 3 E.

Chains	
	alongside where I set a Volcanic Stone 16x12x6 ins. 10 ins. in the ground for closing Cor to Secs 25 and 36. Marked C.C. on the West with 1 groove on S and 5 grooves on N edges. and raised a mound of Stone 2 ft. base. 1/2 ft. high W of Cor Pits impracticable.
	Thence I run
	West on a true line bet Secs. 25 and 36
	Over Mountains
17.00	Spur ridge bears S.E. and N.W. Enter Cedars
21.50	Hollow drains S.E.
24.50	Spur ridge bears N.W. and S.E.
27.00	Hollow drains S.E. Leave Cedars
37.00	Ridge bears N.W. and S.E.
40.15	Set Lime Stone 14x10x6 ins. 10 ins in the ground for 1/4 Sec. Cor. Marked 1/4 on N face. and raised a mound of Stone 2 ft. base. 1/2 ft. high N. of Cor. Pits impracticable
49.25	Hollow drains S.E.
54.50	Spur ridge bears N.W and S.E.
59.00	Hollow drains S.E.
65.00	Spur ridge bears N.W and S.E.
67.00	Hollow drains S.E.
80.30	The Cor to Secs 25. 26. 35 and 36
	Land mountainous
	Soil rocky. 4th rate
	Some Scattering Cedars
	Oak and Sage brush
	Land Mountainous on 80.30 chs

Oct. 11th At 10h a.M.L.M.T. I set off 39°44' N on the lat arc: 7°7' S on the decl. arc and determine a true meridian at the Cor to Secs 25. 26. 35 and 36

Thence I run

N 0° 1' W bet Secs 25 and 26

Over Mountains

2.00	Gulch drains S.E.
40.00	Set a Quartzite Stone 16x8x8 ins. 10 ins in the ground for 1/4 sec. Cor marked 1/4 on N face. and raised a mound of Stone 2 ft. base 1 ft. high N of Cor.

Subdivisions of T 12 S R 3 E

Chains Pits impracticable
44.00 Ridge bears N.E. and S.W.
67.00 Gulch drains E
71.00 Spur ridge bears E and W
80.00 Set a Quartzite Stone 24x18x12 ins. 18 ins in the ground for Cor. to Secs 23. 24. 25. 26 marked with 2 notches on S and 1 notch on E edges raised a mound of Stone 2 ft. base. 1½ ft. high of Cor. Pits impracticable
Land Mountainous
Soil gravelly: 3rd rate
Scattering cedars
Oak and Sarvis undergroth
and Mountainous on 80.00 chs.
Oct. 11th At this Cor. I set off 7° 9' S on the decl. arc; and at 12h noon L.M.T. observe the Sun on the meridian. The resulting lat. is 39° 45' N

East on a random line bet Secs 24 and 2
40.00 Set Temp ¼ Sec. Cor.
Note 1-P Cor. 7 80.28 Intersect E bdy. of Tp. 5.90 chs. N of the Cor to Secs. 19 and 30 which is a Quartz Stone 7x12x6 ins above ground. Marked with 2 notches on S and 4 notches on N edges. and mound of Stone alongside where I set a flint Stone 24x15x10 ins. 18 ins in the ground for closing Cor to Secs 24 and 25. Marked C.C. on the W and 2 notches on S and 4 notches on N edges and raised a mound of Stone 2 ft. base, 1½ ft. high W. of Cor.
Note 2- age 1 Cor. 7
Pits impracticable
Thence I run
West on a true line bet Secs 24 and 25
Over Mountains
40.14 Set a Sand Stone 16x10x8 ins. 10 ins in the ground for ¼ Sec. Cor. Marked ¼ on N face and raised a mound of Stone 2 ft. base, 1½ ft. high N. of Cor.
Pits impracticable
42.00 Ridge bears N.W. and S.E.
72.00 Hollow drains S.E.
80.28 The Cor to Secs. 23. 24. 25 and 26.
Land Mountainous

Subdivisions of T 12 S R 3 E

Chains Soil rocky. 4th rate
Some scattering cedar
Oak and Sage brush
Land Mountainous on 80.28 chs

N 0°-1' W. bet Secs 23 and 24
Over Mountains
15.00 Gulch drains S.E.
28.00 Ridge bears E and W
40.00 Set a flint boulder 24x15x12 ins. 18 ins in the ground for 1/4 Sec. Cor. marked 1/4 on W face. raised a mound of Stone 2 ft. base 1½ ft. high W. of Cor Pits impracticable
50.00 Gulch drains N.E.
55.00 Spring bears E about 5.00 chs
80.00 Set a White flint 16x10x8 ins. 10 ins in the ground for Cor to Secs 13. 14. 23 and 24 marked with 3 Notches on S. and 1 Notch on the E. edges: and raised a mound of Stone 2 ft. base. 1½ ft. high W. of Cor. Pits impracticable
Land Mountainous
Soil rocky, gravelly, 2nd and 4th rate
Oak brush undergrowth
Land Mountainous on 80.00 chs.

October 11th 1895

October 12th 1895

East on a random line bet Secs 13 and 24
40.00 Set Temp 1/4 Sec. Cor.
80.35 Intersect E bdy. of Tp 5.50 chs. N of the Cor to Secs 18 and 19 which is a Quartz Stone 6x8x8 ins above ground marked with 3 notches on S and N edges and mound of Stone alongside where I set a line Stone 16x10x8 ins. 10 ins in the ground for closing Cor to Secs 13 and 24 marked C.C. on the W and 3 grooves on the N and S faces and raised a mound of 2 ft. base. 1½ ft. high W of Cor Pits impracticable

see note 1- Pa 1- Secs- not

Thence

West on a True line bet Secs 13 and

Subdivisions of T 13 S R 3 E

Chains	
	Over Mountains
40.72	Set White flint stone 16x10x8 ins. 10 ins in the ground for 1/4 Sec. Cor. Marked 1/4 on N face raised a mound of stone 2 ft. base. 1½ ft. high N of Cor. Pits impracticable
47.00	Spring branch 3 lks wide flows N.E.
55.00	" " 5 " " " " S.E.
76.00	Spur ridge bears N W and S.E.
80.35	The Cor to Secs 13. 14. 23 and 24
	Land Mountainous
	Soil rocky. 4th rate
	Oak and Scrub undergrowth
	Land Mountainous on 80.35 chs.
	N 0°-1' W. bet Secs 13 and 14.
	Over Mountains
10.00	Spur ridge bears N.W and S.E.
14.70	Spring branch 5 lks wide flows S.E.
21.00	" " Ridge bears N.E. and S.W.
40.00	Set Sand stone 14x12x10 ins 10 ins in the ground for 1/4 Sec Sec Cor Marked 1/4 on W face and raised a mound of stone 2 ft. base, 1½ ft. high W of Cor Pits impracticable
49.10	Spring branch 5 lks wide flows N.E.
51.00	" " 5 " " " " E
56.00	Road bears E and W
58.00	Spring branch 3 lks wide flows E
66.00	" " 3 " " " " S.E.
80.00	Set a White flint boulder 14x10x6 ins. 10 ins in the ground for Cor to Secs 11. 12. 13. and 14 with 4 notches on S and 1 notch in E edges and raised a mound of stone 2 ft. base 1½ ft. high W of Cor Pits impracticable
	Land Mountainous
	Soil Sandy. Gravelly 1st and 3rd rate
	Timber Oak. Willow and Aspen undergrowth
	and Mountainous on 80.00 chs.

October 12th At 10h a.m. F.M.T. Set off 39°-46' N on the Lat arc; 0°-30' S on the dec. arc;

Subdivisions of T. 12 S. R. 3 E.

Chains		
	and determine a true meridian with the Solar at the Cor to Secs 11, 12, 13 and 14	
	Thence I run	
	East on a random line bet Secs 12 and 13	
40.00	Set temp ¼ Sec. Cor.	
80.15	Intersect E. bdy. of Tp. 520 chs. N of the Cor to Secs 7 and 18 which is a Sand Stone 7x12x6 ins above ground marked with 4 notches on S and 2 notches on N edges and mound of stone alongside where I set a flint stone 24x14x8 ins. 18 ins in the ground for closing Cor. to Secs 12 and 13 marked C.C. on the W with 4 grooves on S and 2 grooves on N faces and raised a mound of stone 2 ft. base 1½ ft. high W. of Cor. Pits impracticable	See note 1 - Pag 1 - Cor. notes
	Thence I run	
	West on a true line bet Secs 12 and 13	
	Over mountains	
400 7½	Set Volcanic stone 16x10x5 ins. 10 ins in the ground for ¼ Sec. Cor. Marked ¼ on N face and raised a mound of stone 2 ft. base, 1½ ft. high N of Cor. Pits impracticable	
80.15	The Cor. to Secs 11, 12, 13 and 14	
	Land Mountainous	
	Soil Sandy, gravelly 1st and 4th rate	
	Oak and Sarvis brush	
	Land Mountainous on 80.15 chs.	
	Oct 12th at this Cor I set off 7° 32' S on the decl. arc and at 12h noon L.M.T. observe the sun on the meridian. The resulting lat. is 39° 46' N	
	No. 1 W. bet Secs 11 and 12	
	Over Mountains	
29.00	Ridge bears E and W	
40.00	Set a White flint boulder 18x14x8 ins 12 ins in the ground for ¼ Sec. Cor. Marked ¼ on the W face and raised a mound of stone 2 ft. base, 1½ ft high W. of Cor. Pits impracticable	
47.40	Spring branch in hollow. drains N.E. 3 lks wide	
	Corral bears E about 4.00 chs	
65.00	Ridge bears E and W	
80.00	Set a Volcanic stone 24x14x6 ins 18 ins in the	

Subdivisions of T 12 SR 3 E

chains ground for Cor to Secs. 1, 2, 11 and 12 marked 5 notches on S and 1 notch on E edges, and r a mound of stone 2 ft. base, 1½ ft. high W. of Cor.
Pits impracticable
Land Mountainous
Soil gravelly, 3rd rate
Dense Oak undergrowth
Land Mountainous on 80.00 chs.

East on a random line bet Secs 1 and 12
40.00 Set temp ¼ Sec. Cor.
80.48 Intersect E. bdy. of Tp 4.80 chs. N of the Cor to Secs 6 and 7 which is a flint boulder 7x 10x10 ins above ground marked with 5 notches on S and 1 notch on N. edges, and mound of stone alongside. Where I set a flint stone 16x12x10 ins, 10 ins in the ground for closing Cor to Secs 1 and 12 Mar C.C. on the W with 5 grooves on the S and 1 groove on the N faces and raised a mound of stone 2 ft. base, 1½ ft. high W of Cor Pits impracticable

See note 1 - page 1 - Cor. notes.

Thence I run
West on a true line bet Secs 1 and 12
Over Mountains
17.50 Spring branch in hollow drains S.E. 3 lks wide
40.24 Set a volcanic stone 14x10x6 ins 10 ins in the for ¼ Sec. Cor marked ¼ on N face and raised a mound of stone 2 ft. base, 1½ ft. high N. of Cor.
Pits impracticable
60.00 Spring bears N 3.00 chs
80.48 The Cor to Secs 1, 2, 11 and 12
Land mountainous
Soil Sandy; gravelly 1st and 2nd rate
Oak and Willow undergrowth
Land Mountainous on 80.48 chs.

No. 1 W on a random line bet Secs 1 and 2
40.00 Set temp ¼ Sec. Cor.
80.15 Intersect N bdy. of Tp 5 lks E of the Cor to Secs 1, 2, 35 and 36 described in the survey made by

Subdivisions of S. 12 S. R. 3 E.

Chains	October 9th Thence I mm S 0° 3' E on a true line bet Secs 1 and 2 Over Mountains	
36.00	Gulch trains N.E.	
40.15	Set a Quartzite stone 14x12x10 ins. 18 ins in the ground for 1/4 Sec. Cor. Marked 1/4 on the W face and raised a mound of stone 2 ft. base, 1 1/2 ft. high W. of Cor. Pits impracticable	
51.00	Ridge bears N.E. and S.W.	
66.00	Hollow trains E	
73.00	Spring bears E 300. chs	
74.00	Road bears E and W	
80.15	The Cor to Secs 1. 2. 11 and 12 Land Mountainous soil gravelly. 2nd and 3rd rate Dense Oak brush undergrowth Land Mountainous on 80.15 chs October 12th 1895	

October 14th 1895.

From the Cor to Secs 34 and 35. described in the survey made by me July 11th 1895 — See note 3 - Page 1. Cor. notes

I mm

N 0° 2' W bet Secs 34 and 35. — See note 4 Page 1. Cor. Notes

	Over Mountains
7.00	Hollow trains E
20.50	Ridge bears N W and S E
34.00	Hollow trains E
40.00	On a Spur ridge bears E and W set a flint boulder 20x12x12 ins 15 ins in the ground for 1/4 Sec Cor. Marked 1/4 on W face, and raised a mound of stone 2 ft. base 1 1/2 ft. high W. of Cor. Pits impracticable Thence along E slope of Mountain
75.00	Spur ridge bears E and W
80.00	Set a Flint stone 14x10x8 ins. 10 ins in the ground for Cor. to Secs 26. 29. 34 and 35 Marked with 1 Notch on S and 2 Notches on E. edge and raised a mound of stone 2 ft. base, 1 1/2 ft. high W of Cor. Pits impracticable Land Mountainous

Subdivisions of T 12 S R 3 E

Chains	Soil rocky; 4th rate Oak and Sage brush Land Mountainous on 80.00 chs.
	Oct 14th At 10h a M. L.M.T. I set off 39° 44' N on the lat arc; 8°-15' S on the decl. arc and determine a true meridian with the solar at the Cor to Secs 26.27.34 and 35 Thence I run East on a random line bet Secs 26 and 35
40.00	Set temp 1/4 Sec Cor.
79.95	Intersect N and S line 9 lks S of the Cor to Secs 25.26.35 and 36 Thence I run S 89°-56' W. on a true line bet Secs 26 and 35 Over Mountains
1.50	Spur ridge bears N.W. and S.E.
3.25	Hollow drains S.E.
18.00	Spur ridge bears N.W. and S.E.
26.50	Gulch drains S E
39.97½	Set a Flint boulder 12x10x8 ins. 8 ins in the ground for 1/4 Sec. Cor. Marked 1/4 on N face and raised a mound of stone 2 ft. base. 1½ ft. high N. of Cor. Pits impracticable
45.00	Spur ridge bears N and S
49.75	Hollow drains S.E.
55.00	Spur ridge bears N.W. and S.E.
58.50	Gulch drains S.E.
79.95	The Cor to Secs 26.27.34 and 35 Land Mountainous Soil rocky; 4th rate Oak and Sage brush undergrowth Land Mountainous on 79.95 chs. Oct. 14th At this Cor. I set off 8°-16' S on the decl arc and at 12h noon L.M.T. observe the sun on the meridian. The resulting lat is 39°-44' N
[illegible] Note 1 page 1 [illegible] Notes	N 0°-2' W. bet. Secs. 26 and 27 Over Mountains.
[illegible] Note 5 [illegible] Notes 20.00	Spring branch in hollow drains S.E.

Subdivision of T 12 S R 3 E

Chains	
23.00	Spring bears E. 50 lks dist
40.00	Set Flint boulder 16x10x6 ins. 10 ins in the ground for ¼ Sec. Cor. Marked ¼ on N. face. and raised a mound of stone 2 ft. base, 1½ ft. high W. of cor. Pits impracticable
74.00	Ridge bears N.W. and S.E. Enter Aspen
80.00	An Aspen tree 8 ins diam for cor to Secs 22, 23, 26 and 27 Marked T 12 S. S 23 on N.E. R 3 E S 26 on S.E. S 27 on S.W. S 22 on N.W sides with 2 notches on the S and E sides From which an Aspen 8 ins diam bears N 39° E 28 lks dist Marked T. 12 S, R. 3 E. S. 23 B.T. An aspen 10 ins diam bears S 37° E 28 lks dist Marked T. 12 S. R. 3 E. S. 26 B.T. An Aspen 6 ins diam bears S 52° W 31 lks dist Marked T 12 S R 3 E S 27 B.T. An aspen 6 ins diam bears N 31° W 17 lks dist Marked T 12 S R 3 E S 22 B.T. Land Mountainous Soil Sandy, rocky 1st and 4th rate Aspen timber and scattering pine Oak, Sumac, and Choke cherry undergrowth Land Mountainous N 80.00 chs.
	N 89° 56' E on a random line bet Secs 23 and 26
40.00	Set temp ¼ Sec. Cor.
80.08	Intersect N and S line 2 lks S of the cor to 23. 24. 25 and 26.
	Thence
	S 89° 56' W. on a True line bet Secs 23 and 26 Over Mountains
	Ascend
40.04	Alt a Quartzite boulder 12x12x6 ins. 8 ins in the ground for ¼ Sec. Cor. Marked ¼ on N face and raised a mound of stone 2 ft. base. 1½ ft. high N. of cor. Pits impracticable
47.00	Gulch drains N.E.

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Subdivisions of T12S R3E

Chains	
50.00	Enter Quaking asp and scattering pine timber
80.08	The Cor. to Secs. 22. 23. 26 and 27.
	Land mountainous
	Soil sandy, rocky; 1st and 4th rate
	Scattering pine and Quaking Asp timber
	Oak brush
	Land mountainous on 80.08 chs
	October 14th 1895

	October 15th 1895
Note 4 - Page 1 Cor. Notes	N 0° 2' W bet Secs 22 and 23
	Over Mountains
13.00	Ridge bears N.E. and S.W.
20.00	Spring bears W 50 lks dist
40.00	Set a Volcanic Stone 12x12x10 ins 8 ins in the for 1/4 Sec. Cor. Marked 1/4 on W face and raised a mound of Stone 2 ft. base, 1 1/2 ft. high W. of Cor. Pits impracticable
58.00	South edge of Lake. Leave timber
	Thence offset W 80 lks. then run on offset line
Note 4 - Page 1 Cor. Notes	N 0° 2' W 3.75 chs
61.75	Offset E. 80 lks to true line, N. edge of Lake
80.00	Set a Quartzite Stone 16x10x8 ins. 10 ins in the for Cor to Secs 14, 15. 22 and 23, Marked with 3 notches on the S and 2 notches on E edges and raised a mound of Stone 2 ft. base, 1 1/2 ft high W. of Cor. Pits impracticable
	Land Mountainous
	Soil Loam and rocky; 1st and 4th rate
	Scattering pine, and Quaking Asp timber
	Oak brush undergrowth
	Land mountainous on 80.00 chs.

	October 15th I set off 39° 46' N on the lat arc 8° 37' S on the decl. arc, and at 10h a.m.L.M.T. determine a true meridian with the Solar at the Cor to Secs 14, 15. 22 and 23
	Thence I run
	N 89° 55' E on a random line bet Secs 14 and 23
40.00	Set Temp 1/4 Sec. Cor.

Subdivisions of T 12 S R 3 E

Chains	
80.50	Intersect N and S line 37 lks S of the Cor to Secs 13. 14. 23 and 24
	Thence I run
	S 89°-39' W on a true line bet Secs 14 and 23
	Over Mountains
38.00	Ridge bears N.E. and S.W.
40.25	Set a Quartzite Stone 16x12x6 ins, 10 ins in the ground for 1/4 Sec. Cor. marked 1/4 on N face and raised a mound of Stone 2 ft. base, 1 1/2 ft. high N of Cor
	Pits impracticable
53.25	Road bears N.E. and S.W.
53.75	Spring branch 5 lks wide 3 ins deep drains N E
61.50	Corral bears N about 7.00 chs dist
80.50	The Cor to Secs 14. 15. 22 and 23
	Land Mountainous
	Soil rocky, gravilly 1st and 4th rate
	Scattering pine timber
	Oak Choke cherry, and Sarvis undergroth
	Land Mountainous on 80.50 chs.
	October 15th Ft. this Cor. I set off 8°-39' S on the decl arc and at 12h noon L.M.T. observe the sun on the meridian, the resulting lat is 39°-46' N

	N 0°-2' W. bet Secs 14 and 15
	Over Mountains
15.00	Cañon drains N.E.
40.00	Set a Quartzite Stone 14x10x10 ins. 10 ins in the ground for 1/4 Sec. Cor. marked 1/4 on W face, and raised a mound of Stone 2 ft. base 1 1/2 ft. high W. of Cor.
	Pits impracticable
45.00	Ridge bears N.E. and S.W.
69.00	Spring bears W. 2.08 chs dist
71.00	Sheep Corral, bears E and W
74.00	Leave Corral bears E and W
80.00	Set a Quartzite 16x14x8 ins. 10 ins in the ground for Cor. to Secs. 10. 11. 14 and 15 marked with 4 notches on S and 2 notches on E edges, and raised a mound of Stone 2 ft. base, 1 1/2 ft high W of Cor Pits impracticable
	From which an Aspen 4 ins diam bears S 57° W 31 lks dist

See note 4 page 1 - Cor. No

Subdivisions of T. 12 S. R. 3 E.

Chains	
	Marked T. 12 S. R. 3 E. S. 15 B.T.
	An Aspen 8 ins diam bears N 32° W 46 lks dist
	Marked T. 12 S. R. 3 E. S. 10 B.T.
	An Aspen 6 ins diam bears S 85° E 127 lks dist
	Marked T 12 S R 3 E S 14 B.T.
	An Aspen 6 ins diam bears N 78° E 138 lks dist
	Marked T 12 S R 3 E S 11 B.T.
	Land Mountainous
	Soil rocky. Loam. 1st and 4th rate
	Aspen timber
	Oak brush
	Land Mountainous on 80.00 chs.
	N 89° 39' E. on a random line bet Secs 11. and 14.
40.00	Set temp 1/4 Sec. Cor.
80.15	Intersect N and S line 42 lks N of the Cor to Secs 11. 12. 13 and 14
	Thence I run
	S. 89° 57' W. on a true line bet Secs 11 and 14
40.07½	Set a Sand Stone 14x10x8 ins 10 ins in the ground for 1/4 Sec. Cor. Marked 1/4 on N face. and raised a mound of Stone 2 ft. base. 1½ ft. high N. of Cor.
48.00	Spring bears N 1.00 ch dist
50.00	Ridge bears N.E. and S.W.
54.00	Road bears N.E. and S.W.
65.00	Ridge bears N.E. and S.W.
79.00	Enter Aspen grove
80.15	The Cor to Secs 10. 11. 14 and 15
	Land Mountainous
	Soil rocky; gravelly. 1st and 4th rate
	Oak brush
	Land mountainous on 80.15 chs.
	October. 15th 1895
	October 16th 1895
See note 4. Page 1 Cor. Notes.	N 0° 4' W bet Secs 10 and 11
	Over Mountains
4.00	Ditch flows N.E.
27.00	Spring branch 3 lks wide flows N.E.
40.00	Set a Volcanic Stone 14x10x8 ins 10 ins in the ground

Subdivisions of T 12 S R 3 E

Chains	
	for 1/4 Sec Cor marked 1/4 on W face and raised a mound of stone 2 ft. base 1 1/2 ft. high W of Cor Pits impracticable
72.00	Ridge bears N.E. and S.W.
80.00	Set a Volcanic Stone 16 x 12 x 6 ins. 10 ins in the ground for Cor to Secs 2, 3, 10 and 11 Marked with 5 notches on S and 2 notches on the E edges and raised a mound of Stone 2 ft. base. 1 1/2 ft. high W of Cor Pits impracticable
	Land Mountainous
	Soil rocky: 4th rate
	Oak. Sarvis, and Aspen undergrowth
	Land Mountainous on 80.00 chs.

October 16th At 10h a m L.M.T. I set off 39° 47' N on the lat. arc 8° 59' S on the decl arc and determined a true meridian with the solar at the Cor to Secs 2, 3, 10 and 11

Thence I run

N 89° 57' E. on a random line bet Secs 2 and 11

40.00	Set temp 1/4 Sec. Cor.
80.20	Intersect N and S line 23 lks S of the Cor to Secs 1, 2, 11, and 12.

Thence I run

S. 89° 47' W. on a true line bet Secs 2 and 11

Over Mountains

11.75	Road bears N.E. and S.W.
19.00	Ridge bears N.E. and S.W.
39.00	Gulch drains N E
40.10	An Aspen 6 ins diam for 1/4 Sec. Cor. Marked 1/4 S on N face
	From which an Aspen 8 ins diam bears N 85° E 20 lks dist Marked 1/4 S. B.T.
	An Aspen 5 ins diam bears S 5° W 20 lks dist Marked 1/4 S. B.T.
78.00	Dividing ridge bears N.E. and S.W.
80.20	The Cor to Secs 2, 3, 10 and 11
	Land Mountainous
	Soil rocky 4th rate
	Aspen timber
	Oak brush
	Land Mountainous on 80.20 chs

Oct. 16th 1895 At this Cor. I set off 9° 01' S. on the decl arc, and at 12h noon observe the Sun on the

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Subdivisions of T. 12 S. R. 3 E.

	Chains	meridian The resulting lat is 39°47' N
u Note 4. Page 1 cor. Notes.		N 0°-4' W. on a random line bet Secs 2 and 3
	40.00	Set Temp 1/4 Sec Cor
	80.12	Intersect N bdy. of Tp 21 lks E of the Cor to Secs 2, 3, 34 and 35. described in the Survey made by me Oct 19th
		Thence I run
u Note 6 - Page 1 cor. Notes.		S 0°-4' E on a true line bet Secs 2 and 3
		Over Mountains
	34.00	Ridge bears N W and S.E.
	40.12	Set a Volcanic Stone 16x10x6 ins 10 ins in the ground for 1/4 Sec Cor marked 1/4 on W face and raised a mound of Stone 2 ft. base 1 1/2 ft. high W. of Cor. Pits impracticable
—	80.12	The Cor to Secs 2, 3, 10 and 11
		Land Mountainous
		Soil, Sandy, 1st and 2nd rate
		Oak and Sage brush
		Land Mountainous on 80.12 chs.
		October 16th 1895
		October 17th 1895 -
		From the Cor to Secs 33 and 34 on the S bdy. of the Tp described in the Survey made by me July 11th 1895.
		I run
u Note 7 - Page 1 cor. Notes.		N 0°-3' W bet Secs 33 and 34
		Over Mountains
	5.60	Gulch drains S.W.
	26.00	Spur ridge bears N.E. and S.W.
	40.00	Set a flint boulder 20x20x10 ins 15 ins in the ground for 1/4 Sec Cor. Marked 1/4 on W face and raised a mound of Stone 2 ft. base 1 1/2 ft. high W. of Cor Pits impracticable
u Note 5 Page 1 Cor. Notes.	57.60	Spring branch in gulch drains S.W.
	75.00	Spur ridge bears N E and S.W.
—	80.00	Set a Volcanic Stone 20x12x12 ins 15 ins in the ground for Cor to Secs 27, 28, 33 and 34 marked with 1 Notch on S, and 3 Notches on E. edges

Subdivisions of T 1 2 SR 3 E

Chains		
	and raised a mound of stone 2 ft. base. 1½ ft high W. of Cor. Pits impracticable	
	Land Mountainous	
	Soil gravelly; 2nd rate	
	Oak brush undergroth	
	Land Mountainous on 80.00 chs.	
	October 17th At 10h a.m. L.M.T. I set off 39° 44' N. on the lat arc; 8° 21' S on the decl arc and determine a true meridian with the Solar at the Cor to Secs 27. 28. 33 and 34	
	Thence I run	
	East on a random line bet Secs 27 and 34	
40.00	Set temp ¼ Sec. Cor.	
80.35	Intersect N and S line 35 lks N of Cor to Secs 26. 27. 34 and 35	
	Thence I run	
	N 89° 45' W. on a true line bet 27 and 34	
	Over Mountains	
8.00	Dividing ridge bears S. and N.W.	
20.00	Hollow drains S.W.	
38.50	Spur ridge bears N.E. and S.W.	
40.17½	Set a Sand Stone 18x12x10 ins. 12 ins in the ground for ¼ Sec. Cor. Marked ¼ on N face and raised a mound of stone 2 ft. base. 1½ ft. high N. of Cor. Pits impracticable	
57.00	Spring branch flows S.W.	See note 5. pa 1 Cor. notes
77.00	Spur ridge bears N.E. and S.W.	
80.35	The Cor to Secs 27. 28. 33 and 34	
	Land Mountainous	
	Soil rocky; 4th rate	
	Oak undergroth	
	Land Mountainous for 80.35 chs	
	Oct 17th at this Cor I set off 9° 23' S in the decl arc and at 12h noon observe the sun on the meridian the resulting lat is 39° 44' N	
	N 0° 3' W. bet Secs 27 and 28	See note 7. pag 1 Cor. notes
	Over Mountains	
11.10	Spring branch 3 lks wide flows S.W.	
40.00	Set a Volcanic Stone 22x16x12 ins 15 ins in the ground for ¼ Sec. Cor. Marked ¼ on W face and raised a mound of stone 2 ft. base. 1½ ft. high W. of Cor.	

Subdivisions of T. 12 S. R. 3 E.

Chains	
	Pits impracticable
40.75	Ridge bears N.E. and S.W.
60.00	Hollow drains S.W.
— 80.00	Set Volcanic Stone 16x10x8 ins. 15 ins. in the ground for Cor to Secs 21. 22. 27 and 28. Marked with 2 notches on S and 3 notches on E. edges and raised a mound of stone 2 ft. base. 1½ ft. high W of Cor Pits impracticable
	Land Mountainous
	Soil rocky. gravelly. 1st and 4th rate
	Dense Oak brush
	Land Mountainous on 80.00 chs.
	S 89° 45' E. on a random line bet Secs 22 and 27
40.00	Set temp ¼ Sec. Cor.
80.20	Intersect N and S line 26 lks S. of Cor to Secs 22 23. 26 and 27
	Thence I run
	N 89° 56' W. on a true line bet Secs 22 and 27
	Over Mountains
10.00	Leave Timber
15.00	Ridge bears S.E. and N.W.
24.00	Dividing ridge bears N.W. and S.E.
40.10	In a hollow drains S.W. Set a Volcanic rock 14x12x8 ins 10 ins in the ground for ¼ Sec Cor. marked ¼ on N face and raised a mound of stone 2 ft. base. 1½ ft. high N of Cor Pits impracticable
50.00	Ridge bears N.W and S.E.
59.80	Hollow drains S.E.
70.00	Ridge bears N and S
— 80.20	The Cor to Secs 21. 22. 27 and 28
	Land Mountainous
	Soil rocky. gravelly 1st and 4th rate
	Oak. Sage and Quaking asp undergrowth
	Land Mountainous on 80.20 chs.
	October 17th 1895
	October 18th 1895.
	N 0° 4' W. bet Secs 21 and 22
	Over Mountain

[illegible] 7. Sage-1 [illegible] notes.

Subdivisions of T. 12 S. R. 3 E.

Chains		
4.50	Dividing ridge bears N.E. and S.W.	
10.50	Gulch drains W	
16.00	Spur ridge bears N.E. and S.W.	
22.00	Gulch drains S.W.	
40.00	A Quaking asp tree 6 ins diam for 1/4 Sec. Cor. Marked 1/4 S on W side. From which a Quaking asp 6 ins diam bears S 40° W 10 lks dist Marked 1/4 S. B.T. A Quaking asp 6 ins diam bears N 35° W 18 lks dist Marked 1/4 S B.T.	
43.00	Spur ridge bears N.E. and S.W.	
60.00	Gulch drains W	
68.00	Spur ridge bears N.E. and S.W.	
76.50	Spring branch flows S.W.	See Note 5. Pa. 1 Cor. notes.
80.00	Set a Volcanic Stone 14 x 8 x 6 ins. 10 ins. in the ground for Cor to Secs 15. 16. 21 and 22 Marked 12 S on N E 3 E on S.E. faces with 3 notches on the E and S edges. From which a Quaking asp 8 ins diam bears S 26° 30' E 90 lks dist Marked T 12 S R 3 E. S 22 B.T. A Quaking asp 4 ins diam bears S 8° W 110 lks dist Marked T. 12 S. R. 3 E. S 21 B.T. Land Mountainous Soil rocky, gravelly; 1st and 4th rate Aspen timber Oak brush undergroth Land Mountainous on 80.00 chs.	
	October 18th At 10h A.M. L.M.T. I set off 39° 46' N on the lat arc, 9° 43' S on the decl arc and determine a true meridian with the Solar at the Cor to Secs 15. 16. 21 and 22 Thence I run S 89° 56' E on a random line bet Secs 15 and 22	
40.00	Set Temp 1/4 Sec. Cor.	
80.47	Intersect N and S line 47 lks S of the Cor to Secs 14. 15. 22 and 23 Thence I run S 89° 44' W. on a true line bet Secs 15 and 22 Over Mountains	

Subdivision of T. 12 S. R. 3 E.

Chains	
3.00	Spur ridge bears N.E. and S.W.
23.00	Gulch drains N.E.
36.75	Spring branch 2 lks wide flows S.E.
40 23½	Set a Lime Stone 14×10×6 ins. 10 ins in the ground for ¼ Sec. Cor. Marked ¼ on N face, and raised a mound of stone 2 ft. base, 1½ ft. high N. of Cor. Pits impracticable
48.00	Spring in line, in head of hollow drains S.E.
57.00	Dividing ridge bears N.W. and S.E.
— 80.47	The Cor to Secs 15. 16. 21 and 22
	Land Mountainous
	Soil Sandy. gravelly. 1st and 3rd rate
	Some Scattering pine timber
	Brush Oak. Choke Cherry. Sarvis and aspen
	Land Mountainous on 80.47 chs.
	Oct. 18th At this Cor I set off 9° 45 S. on the declor and at 12h noon 5m observe the Sun on the Meridian. The resulting lat is 39°-46' N

See note 7-page 1 Field notes.	N 0°-3' W bet Secs 15 and 16
	Over Mountains
7.80	Dividing ridge bears E. and W.
11.40	Enter heavy pine timber
23.50	Canon drains N.E. Loose pine timber
40.00	Set a Quartzite Stone 16×14×12 ins 10 ins in the ground for ¼ Sec. Cor. Marked ¼ in N. face. and raised a mound of stone 2 ft. base. 1½ ft. high W. of Cor. Pits impracticable
45.50	Enter Pine and aspen timber
66.50	Hollow drains N.E. Loose timber
— 80.00	Set a Quartzite Stone 16×10×6 ins. 10 ins in the ground for Cor to Secs 9. 10. 15. and 16 Marked with 4 notches on S and 3 notches on E edges and raised a mound of stone 2 ft. base 1½ ft. high W. of Cor Pits impracticable
	Land Mountainous
	Soil rocky 4th rate
	Pine Timber
	Oak. Aspen, Choke Cherry and Sarvis undergrowth
	Land Mountainous on 80.00 Chs.

Subdivisions of T. 12 S. R. 3 E.

Chains	
	N 89°-44' E. on a random line bet Secs 10 and 15
40.00	Set Temp ¼ Sec. Cor
80.20	Intersect N and S line 33 lks N of the Cor to Secs 10. 11. 14 and 15
	Thence I run
	S 89°-58' W. on a true line bet Secs 10 and 15
	Over Mountains
3.00	Spring branch flows N Enter pine and Aspen
37.00	Ridge bears N. E and SW. Pine pine and Aspen
40.10	Set a Quartzite Stone 14x10x8 ins. 10 ins in the ground for ¼ Sec. Cor. Marked ¼ on N face and raised a mound of stone 2 ft. base, 1½ ft. high N. of Cor. Pits impracticable
52.00	Gulch drains N.W.
65.00	Spur ridge bears N. E. and SW.
78.00	Canon drains N.W.
80.20	The Cor to Secs 9. 10. 15 and 16
	Land Mountainous
	Soil rocky, gravelly. 2nd and 4th rate
	Pine and Aspen timber
	Oak and Sage brush undergrowth
	Land Mountainous on S. 20 chs.
	October 18th 1895.

See note 8-Page 1-Cor. notes

See note 7-Page 1-Cor. notes

October 19th 1895.

	No°-E. bet Secs 9 and 10
	Over Mountains
4.00	Canon drains N.W
31.00	Ridge bears N.W and S.E.
36.00	Road in gulch bears N.W and S.E. gulch drains N.W.
40.00	Set a Quartzite Stone 16x10x8 ins. 10 ins in the ground for ¼ Sec. Cor. Marked ¼ on W face and raised a mound of stone 2 ft. base. 1½ ft. high W. of Cor. Pits impracticable
43.50	3 Roads bear W about 10.00 chs.
55.00	Spur ridge bears N.W. and S.E.
65.00	Gulch drains N.W.
74.00	Spur ridge bears N.W and S.E.
80.00	Set a Volcanic Stone 16x14x6 ins. 10 ins in the ground for Cor to Secs 3. 4. 9 and 10 Marked with 5 notches on S and 3 notches on E edges

Subdivisions of T 12 S R 3 E

Chains and raised a mound of stone 2 ft. base. 1½ ft. high W. of Cor. Pits impracticable
Land Mountainous
Soil Sandy: gravelly. 1st and 3rd rate
Scattering pine. and aspen timber
Oak brush undergroth
and Mountainous on 80.00 Chs.

Oct. 19th At 9h 30m A.M. L.M.T. I set off 39° 47' N on the lat arc. 10° 04' S. on the decl. arc: and determine a true meridian with the Solar at the to Secs 3. 4. 9 and 10

Thence I run

N 89° 58' E on a random line bet Secs 3 and 10

40.00 Set Temp ¼ Sec. Cor.

80.25 Intersect N and S line 19 lks S of the Cor to 2. 3. 10 and 11

Thence I run

S. 89° 50' W. on a true line bet Secs 3 and 10

Over Mountains

40.121 Set a Quartzite 16×10×8 ins. 10 ins in the ¼ Sec. Cor. marked ¼ on N. face and raised a mound of stone 2 ft. base. 1½ ft. high N
Pits impracticable

80.25 The Cor to Secs 3. 4. 9 and 10.
Land Mountainous
Soil rocky: 4th rate
Oak undergroth
Land Mountainous on 80.25 Chs.
Oct 19th At this Cor I set off 10° 07' S on the decl and at 12h noon L.M.T. observe the Sun on the meridian The resulting lat is 39° 47' N

in note 7 - Page 1 - Cor. notes.

N 0° 3' W. on a random line bet Secs 3 and 4

40.00 Set Temp ¼ Sec. Cor.

79.85 Intersect N. bdy. of the Tp 28 lks W of the Cor to Secs. 3. 4. 33 and 34. described in the Survey made by me October 9th 1895

Thence I run

in note 9 Page 1 - Cor. Notes.

S 0° 4' W on a true line bet Secs 3 and 4

Subdivisions of T. 12 S. R. 3 E.

Chains Over Mountains
10.25 Hollow drains E
31.50 Road bears N.E. and S.W.
34.00 Creek in Canon 5 lks wide flows N.E.
39.85 An Oak Tree 5 ins diam for 1/4 Sec. Cor. marked 1/4 S on W side
From which An oak 3 ins diam bears N 37° E 15 lks dist Marked 1/4 S.B.T.
An Oak 3 ins diam bears S 63° W 14 lks dist Marked 1/4 S.B.T.
70.00 Hollow drains W
78.00 Spur ridge bears E and W
79.85 The Cor to Secs 3. 4. 9 and 10
Land Mountainous
Soil gravelly: 2nd and 3rd rate
Oak brush
Land Mountainous for 79.85 Chs.
October 19th 1895

October 21st 1895
From the Cor. to Secs 32 and 33 on S. Bd. of the Tp. described in the survey made by me July 11th 1895
I run
No. 4 W. bet Secs 32 and 33
Over Mountains
23.00 Spur ridge bears N.E. and S.W.
35.00 Spur ridge bears N E and S W
40.00 Set a Quartzite Stone 16x12x10 ins. 10 ins in the ground for 1/4 Sec. Cor. marked 1/4 on the W side and raised a mound of Stone 2 ft. base, 1 1/2 ft.
W. of Cor. Pits impracticable
59.50 drains S.W.
80.00 Set a Quartzite boulder 16x12x6 ins. 10 ins in the ground for Cor to Secs 28. 29. 32 and 33 Marked with 1 notch on S and 4 Notches on E. edges; and raised a mound of Stone 2 ft. base, 1 1/2 ft. high
W. of Cor. Pits impracticable
Land Mountainous
Soil Sandy loam 1st and 2nd rate
Oak brush
Land Mountainous on 80.00 Chs.

See note 10. Page 1. Cor. No.

Subdivisions of T. 12 S. R. 3 E.

Chains	October 21st At 9h a.m. L.M.T. I set off 39°-44' N on the lat arc; 10°-47' S on the decl arc and determine a true meridian with the solar at the cor to secs 28. 29. 32 and 33
	Thence Irun
	East on a random line bet secs 28 and 33
40.00	Set temp 1/4 sec. cor.
79.80	Intersect N and S line 44 lks S of the cor to secs 27. 28. 33 and 34
	Thence Irun
	S 89°-41' W on a true line bet secs 28 and 33
	Over Mountains
10.40	Spring branch, in hollow, 3 lks wide flows S.W.
30.00	Ridge bears S and N.E.
39.90	Set Volcanic stone. 15 x 10 x 6 ins. 10 ins in the ground for 1/4 sec. cor. marked 1/4 on N face and raised a mound of stone 2 ft. base, 1 1/2 ft. high N of cor. Pits impracticable
43.00	Ridge bears N.E. and S.W.
70.00	Wash in gulch drains S.W.
79.80	The cor to secs 28. 29. 32 and 33
	Land mountainous
	Soil gravelly; 2nd and 3rd rate
	Oak brush
	Land Mountainous on 79.80 chs.
	Oct. 21st At this cor. I set off 10°-49' S on the decl arc and at 12h noon L.M.T. observe the sun on the meridian The resulting lat is 39°-44' N
See note 10 - Page 1 - Cor. notes.	No°-4' W bet secs 28 and 29
	Over Mountains
28.00	Dividing ridge bears N.E. and S.W.
35.00	Spring bears E 5.00 chs dist
40.00	Set a Quartzite boulder 14 x 10 x 8 ins. 10 ins in the ground for 1/4 sec. cor. Marked 1/4 on W face and raised a mound of stone 2 ft. base, 1 1/2 ft. high W. of cor. Pits impracticable
	From which an Aspen 6 ins diam bears S 55° E 135 lks dist marked 1/4 S.B.T.
	An aspen 8 ins diam bears N 70° E 61 lks dist Marked 1/4 S.B.T.

Subdivisions of T 12 S R 3 E

Chains		
45.00	Spring bears E 3.00 chs dist	See note 5. Pag. 1. Cor. Notes.
48.00	Spring branch flows N.W.	See note 5. Pa. 1. Cor. Notes.
48.80	" " " N.W.	
55.00	Hollow drains S.W.	
65.00	Spur ridge bears N.E. and S.W.	
75.00	Hollow drains S.W.	
80.00	Set a Quartzite boulder 18x14x10 ins. 12 ins in the ground for Cor to Secs 20. 21. 28 and 29 marked with 2 notches on S and 4 notches on E edges and raised a mound of stone 2 ft. base. 1½ ft high W. of Cor. Pits impracticable Land Mountainous Soil rocky. Sandy: 1st and 4th rate. Oak brush Land Mountainous on 80.00 chs.	
	N. 89°-41' E. on a random line bet Secs 21 and 28	
40.00	Set Temp ¼ sec Cor	
80.10	Intersect N and S line 19 lks N of the Cor to Secs 21. 22. 27 and 28. Thence I run S 89°-49' W. on a true line bet Secs 21 and 28 Over Mountains	
11.00	Dividing ridge bears N.E and S.W.	
16.00	Head of hollow drains N.W.	
40.05	On a Spur ridge bears N.W. and S.E. Set Quartzite boulder 15x10x10 ins. 10 ins in the ground for ¼ sec Cor marked ¼ on N face and raised a mound of stone 2 ft. base, 1½ ft. high N of Cor Pits impracticable	
54.60	Gulch drains S.W.	
66.00	Spur ridge bears N.E and S.W.	
71.60	Gulch drains S.W.	
80.10	The Cor to Secs 20. 21. 28 and 29 Land Mountainous Soil rocky: 4th rate Quaking Asp and Oak brush Land Mountainous on 80.10 chs. October 21st 1895	

Subdivisions of T. 12 S. R. 3 E.

	Chains	
u Notes 10 - Page-1 - Cor. notes.		October 22nd 1895
		N. 0° 4' W. bet Secs 20 and 21
		Over Mountains
	2.00	Spur ridge bears NE and SW.
	9.00	Conglomerate cliff about 60 ft. high
	18.80	Gulch drains SW.
	22.00	Spur ridge bears NE and SW.
	31.40	Gulch drains SW.
	37.00	Spur ridge bears NE and SW.
	40.00	Set a Sand Stone 24x12x8 ins. 18 ins in the ground for 1/4 Sec Cor Marked 1/4 on W face and raised a mound of Stone 2 ft. base. 1 1/2 ft. high W. of Cor. Pits impracticable
	49.00	Gulch drains W. Corral bears W 200 chs dist
	56.50	Spur ridge bears NE and SW.
	65.00	Cañon drains SW.
	71.00	Spur ridge bears NW and SE.
—	80.00	In a hollow drains SE. Set a Flint boulder 14x12x8 ins. 12 ins in the ground for Cor to Secs 16. 17. 20 and 21 Marked with 3 notches on S and 4 notches on E. edges and raised a mound of Stone 2 ft. base. 1 1/2 ft. high W. of Cor.
		Pits impracticable
		Land mountainous
		Soil rocky. 4th rate
		Aspen and Oak brush
		Land Mountainous on 80.00 chs
		Oct. 22nd At 9h 15m a.m. S.M.T. I set off 39° 46' N. on the lat. arc: 11° 9' S on the decl. arc: and determine a true meridian with the Solar at the Cor to Secs. 16. 17. 20 and 21
		Thence I run
		N 89° 49' E on a random line bet. Secs 16 and 21
	40.00	Set temp 1/4 Sec. Cor.
	80.18	Intersect N and S line of lks N of the Cor to Secs 15. 16. 21 and 22
		Thence I run
		S 89° 52' W on a true line bet Secs 16 and 21
		Over Mountains
		Descend along S hillside

Subdivisions of T. 12 S. R. 3 E.

Chains	
24.00	Spur ridge bears N.E. and S.W.
40.09	Set a Volcanic Stone 14x12x10 ins 10 ins in the ground for 1/4 Sec. Cor. Marked 1/4 on N face and raised a mound of Stone 2 ft. base, 1½ ft. high N. of Cor. Pits impracticable
75.60	Cañon drains S.W.
80.18	The Cor to Secs 16. 17. 20 and 21
	Land Mountainous
	Soil rocky; gravelly; 1st and 4th rate
	Oak brush
	Land Mountainous on 80.18 chs.
	Oct. 22nd. At this Cor. I set off 11°11' S. in the decl arc; and at 12h noon L.M.T. observe the Sun in the meridian. The resulting lat is 39°-48' N
	N 0° W bet Secs 16 and 17
	Over Mountains
.50	Spur ridge bears N.W. and S.E.
5.50	Hollow drains S.E.
8.50	Spur ridge bears N.W. and S.E.
10.50	Hollow drains S.E.
15.00	Spur ridge bears N.W. and S.E.
19.25	Hollow drains S.E.
30.50	High rocky dividing ridge bears N.E. and S.W.
40.00	A Quaking Asp 3 ins diam for 1/4 Sec Cor. Marked 1/4 S on W side
	From which a Pine .5 ins diam bears N 60° W 18 lks dist Marked 1/4 S.B.T.
	A Quaking Asp 4 ins diam bears S 15° E 10 lks dist Marked 1/4 S.B.T.
41.50	Deep Gulch drains N.E.
62.50	Enter pine timber, Ridge bears N.E. and S.W.
71.00	Leave pine timber
75.00	Gulch drains N.W.
80.00	Set a Quartzite Stone 14x10x8 ins. 10 ins in the ground for Cor to Secs 8. 9. 16 and 17 Marked with 4 notches on S and E edges. and raised a mound of Stone 2 ft. base, 1½ ft. high W of Cor Pits impracticable
	From which an Oak 3 ins diam bears S 42° E 10

See note 10 Angel. Cor. Nd N.

Subdivisions of T 12 S R 3 E

Chains | cks dist Marked T 12 S R 3 E S 16 B T
In Oak 3 ins diam bears N 20° W 5 lks. dist
Marked T 12 S R 3 E S 8 B T
In Oak 3 ins diam bears S 25° W 24 lks
dist Marked T 12 S R 3 E S 17 B T
Land Mountainous
Soil rocky 4th rate
Pine and Quaking asp timber
Oak brush
Land Mountainous on 80.00 chs

N 89° 52' E on a random line bet Secs 9 and 16
4. Set temp 1/4 Sec. Cor.
80.45 Intersect N and S line 19 lks N of Cor to Secs
9. 10. 15 and 16
Thence I run
West on a true line bet Secs 9 and 16
Over Mountains
10.00 Gulch drains N.W.
27.00 Spur ridge bears N.W. and S.E.
33.00 Gulch drains N.W.
37.00 Spur ridge bears N W and S.E.
40.22 The point for 1/4 Sec. Cor. falls on a small
Conglomerate peak 7 ft. E and W by 8 ft N and
and 5 ft. high Cut a cross (X) at the exact
Cor. point for 1/4 Sec. Cor. Marked 1/4 S on N
and raised a mound of stone 2 ft. base 1 1/2
t. high N. of Cor. Pits impracticable
44.00 Gulch drains N
47.60 Spur ridge bears N and S
53.00 Gulch drains N.W.
80.45 The Cor to Secs 8. 9. 16 and 17
and Mountainous
Soil rocky 4th rate
Scattering pine and Quaking asp timber
Oak brush undergroth
Land Mountainous on 80.45 chs.
October 22nd 1895

October 23rd 18 5

Subdivisions of T 12 S R 3 E

Chain N 0° 4' W bet Secs 8 and 9 — 1 Cor. notes
Over Mountains
40.00 Set a Quartzite stone 16 x 8 x 8 ins. 10 ins in the ground for 1/4 sec Cor Marked 1/4 on W face and raised a mound of stone 2 ft. base, 1 1/2 ft. high W. of Cor.
Pits impracticable
46.00 Gulch drains N.E.
77.00 Spur ridge bears N.E. and S.W.
80.00 An Aspen 7 ins diam for Cor to Secs 4.5.8 and 9
Marked T 12 S on S.4. on N.E.
R 3 E S 9 on S.E.
S 8 on S.W.
S 5 on N.W sides with 5 notches on S and 4 notches on E edges
From which An Aspen 5 ins diam bears S 10° 12 lks dist marked T 12 S.R. R 3 E S. 8 B.T.
An Aspen 4 ins diam bears S 30° E 4 lks, dist. Marked T 12 S R 3 E S 9 B.T.
An Aspen 4 ins diam bears N 10° W 5 lks. dist. marked T 12 S R 3 E S. 5 B.T.
An Aspen 5 ins. diam bears N 20° E 15 lks. dist. Marked T 12 S. R 3 E. S 4 B.T.
Land Mountainous
Soil rocky; 4th rate
Aspen. Oak and Choke Cherry
Land Mountainous for 80.00 chs.

October 23rd At 10h a.m. L.M.T. I set off 39-47' N on the lat arc, 11° 30' S on the decl arc; and determine a true meridian with the Solar at the Cor to Secs 4.5.8. and 9
Thence I run
East on a random line bet Secs 4 and 9
40.00 Set Temp 1/4 Sec. Cor.
80.00 Intersect N and S line 7 lks S of the Cor to Secs 3.4. 9 and 10
Thence I run
S 89° 57' W. on a true line bet Secs 4 and 9
Over Mountain
15.60 Spring branch in 5 lks wide Cañon flows N.E.
16.00 Road bears N.E. and S.W.

Subdivisions of T. 12 S. R. 3 E.

Chains

21.50 Spur ridge bears N.E. and S.W.

27.75 Spring branch in gulch 3 lks wide flows N.E.

40.00 An Oak 6 ins diam for 1/4 Sec. Cor. Marked 1/4 S on N face

From which an Oak 4 ins diam bears S 45° E 10 lks dist Marked 1/4 S B.T.

From which an Oak 4 ins diam bears N 20° E 54 lks dist Marked 1/4 S.B.T.

58.00 Spur ridge bears N.E. and S.W.

66.00 Gulch drains N.E.

78.00 Spur ridge bears N.E. and S.W.

— 80.00 The Cor to Secs 4. 5. 8 and 9

Land Mountainous

Soil rocky. 4th rate

Aspen and Oak

Land Mountainous on 80.00 chs.

Oct 23rd At this Cor. I set off 11°32' S. on the decl arc and at 12h noon L.M.T. observe the sun on the meridian. The resulting lat is 39°47' N.

See note 10 - Page 1 - Cor. notes.

N 0°4' W. on a random line bet Secs 4 and 5

40.00 Set Temp 1/4 Sec. Cor.

80.15 Intersect N bdy of the Tp 7 lks E. of the Cor to Secs 4. 5. 32 and 33. Described in the Survey made by me Oct 9th 1895

Thence I run

See note 11 - Page 1 - Cor. notes.

S 0°4' E on a true line bet Secs 4 and 5

Over Mountains

20.00 Spur ridge bears N.E. and S.W.

25.00 Hollow drains N E

32.00 Spur ridge bears N.E. and S.W.

40.15 Set a Volcanic Stone 16x12x8 ins. 10 ins in the ground for 1/4 Sec. Cor. Marked 1/4 on W face and raised a mound of Stone 2 ft. base. 1 1/2 high W. of Cor. Pits impracticable.

See note 8. Page 1 - Cor. notes.

52.00 Spring branch in gulch flows N.E.

55.00 Road bears N.E. and S.W.

— 80.15 The Cor to Secs 4. 5. 8 and 9

Land Mountainous

Subdivisions of S 12 S R 3 E

Chains		
	Scattering pine Oak and Aspen undergrowth Land Mountainous on 80.15 chs. October 23rd 1895	
	October 24th 1895 From the Cor to Secs 31 and 32 on the S bdy. of the Tp. described in the survey made by me July 11th 1895 I run N 0° E W. bet Secs 31 and 32	See note 10. Page 1 - Cor. M
15.70	Gulch drains E	
28.00	Spur ridge bears N.W. and S.E.	
29.60	Hollow drains S.E.	
35.70	Spur ridge bears N.W. and S.E.	
40.00	Set a Quartzite boulder 14 x 10 x 6 ins. 10 ins in the ground for ¼ Sec. Cor Marked ¼ on W face and raised a mound of stone 2 ft. base. 1½ ft. high W. of Cor. Pits impracticable	M
49.60	Spur ridge bears ~~[illegible]~~ E. and W.	
58.20	Gulch drains S.E.	
63.50	Spur ridge bears N.W. and S.E.	
65.25	Hollow drains S.E.	
78.00	Spur ridge bears N.W. and S.E.	
80.00	Set a Quartzite stone 12 x 8 x 6 ins 8 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 and raised a mound of stone 2 ft. base. 1½ ft. high W. of Cor. Pits impracticable Land mountainous Soil rocky. 4th rate Oak brush Land Mountainous on 80.00 chs.	
	October 24th At 9h 30m A.M. L.M.T. I set off 39° 44' N on the lat arc. 11° 51' S on the decl arc. and determine a true meridian with the Solar at the Cor to Secs 29. 30. 31 and 32 I hence I run East on a random line bet Secs 29 and 32	

Subdivisions of T12 S R3 E

Chains	
40.00	Set temp 1/4 Sec Cor
80.38	Intersect N and S line 35 lks N of the Cor to Secs 28. 29. 32 and 33.
	Thence I run
	N 89°45' W on a true line bet Secs 29 and 32
	Over Mountains
27.00	Spur ridge bears N and S
37.00	Hollow drains SW.
40.19	Set a Quartzite stone 16x10x8 ins. 10 ins. in the ground for 1/4 Sec Cor. Marked 1/4 on the N face and raised a mound of stone 2 ft. base. 1 1/2 ft. high N of Cor
	Pits impracticable
54.00	Spur ridge bears NE and SW.
65.20	Hollow drains SW.
80.38	The Cor to Secs 29. 30. 31 and 32
	Land Mountainous
	Soil rocky gravelly: 2nd and 4th rate
	Dense Oak undergrowth
	Land Mountainous on 80.38 chs.
	October 24th at this Cor I set off 11°53' S. on the decl arc. and at 12h noon L.M.T. observe the Sun on the meridian the resulting lat is 39°44' N
	West on a random line bet Secs 30 and 31
40.00	Set temp 1/4 Sec. Cor.
84.80	Intersect W. bdy. of the Tp 14 lks S of the Cor 25. 30. 31 and 36. described in the survey made by me October 7th 1895
	Thence I run
	S 89°54' E on a true line bet Secs 30 and 31
	Over Mountains
see Note 5. page 1 Cor. Notes. 1.00	Spring branch drains NE.
20.00	Spur ridge bears NW and SE.
27.00	Hollow drains NE.
36.00	Spur ridge bears N and S
39.30	Gulch drains NE.
43.30	Dividing ridge bears NE and SW.
44.80	Set a Quartzite boulder 16x12x6 ins. 10 ins in the ground for 1/4 Sec. Cor. Marked 1/4 on N face

Subdivisions of T 12 S R 3 E

Drains and raised a mound of stone 2 ft. base 1½ ft. high N of Cor Pits impracticable
63.80 Hollow drains S.E.
65.70 Spur ridge bears N.W and S.E.
70.70 Hollow drains S.E.
74.30 Spur ridge bears N.W and S.E.
77.80 Hollow drains S.E.
80.00 Spur ridge bears N W and S.E
81.40 Hollow drains S.E.
83.30 Spur ridge bears N W and S.E.
84.80 The Cor to Secs 29. 30. 31 and 32
Land Mountainous
Soil gravelly rocky 1st and 4th rate
Oak brush
Land Mountainous on 84.80 chs

No. 5 W bet Secs 29 and 30 See Note 16. Page 1 Cor. N
Over Mountains
5.00 " drains E
16.00 Dividing ridge bears N.E. and S.W.
39.50 Hollow drains N.E.
40.00 Set a Quartzite boulder 16x10x8 ins 10 ins in the ground for ¼ Sec. Cor. Marked ¼ on W face and raised a mound of stone 2 ft. base. 1½ ft. high W. of Cor. Pits impracticable
44.00 Spur ridge bears N.E. and S.W.
54.00 Corral 6 rods N and S by 10 rods E and W bears E 20 lks dist
54.50 Road bears N E and S.W.
55.00 Spring branch in Cañon 5 lks wide drains S.W.
56.00 House bears E 10 lks dist
Field. about 20.00 Acres in Creek bottom bears W 2.50 chs dist
57.50 Spur ridge bears S E and W.W.
63.80 Spring bears E 10 lks dist
68.00 Spur ridge bears N W and S.E.
71.00 Hollow drains S.E.
80.00 Set a Sand Stone 16x14x10 ins. 10 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 and 2 a mound

Subdivisions of T 12 S R 3 E

chains | 2 ft. base 1½ ft. high W. of Cor. Pits impracticable
Land Mountainous
Soil Sandy, rocky, 1st and 4th rate
Oak, Sage and Sarvis undergroth
Land Mountainous on 80.00 chs.
October 24th 189

October 25th 1895
S 89°45' E on a random line bet Secs 20 and 29
40.00 Set Temp ¼ Sec Cor
80.15 Intersect N and S line 26 lks S. of the Cor to Secs 20. 21. 28 and 29
Thence I run
N 89°56' W. on a true line bet Secs 20 and 29
Over Mountains
3.00 Spur ridge bears N.E and S.W.
13.00 Gulch drains S.W.
27.00 Spur ridge bears N.E. and S.W.
35.40 Fence bears N.E. and S.W.
40.07 Set a Quartzite boulder 18x12x10 ins. 12 ins in the ground for ¼ Sec Cor Marked ¼ on N face. and raised a mound of stone 2 ft. base, 1½ ft. high N. of Cor. Pits impracticable
41.50 Road bears N.E. and S.W.
46.00 Spring branch 5 lks wide flows S.W. in Cañon
64.00 Spur ridge bears N.E. and S.W.
67.90 Road in hollow bears N.E and S.W. hollow drains S.W.
70.00 Hollow drains S
79.00 Spur ridge bears N and S
80.15 the Cor to Secs 19. 20. 29 and 30
Land Mountainous
Soil rocky, Sandy, 1st and 4th rate.
Oak and Sage brush
Land Mountainous on 80.15 chs

October 25th At 9h 30m a.m. L.M.T. I set off 39-45' N on the lat arc, 12°-12' S on the decl arc: and determine a true meridian with the Solar at the Cor to Secs 19. 20. 29. and 30
Thence I run

Subdivisions of T 12 S R 3 E

Chains	
	N 89° 54' W. on a random line bet Secs 19 and 30
40.00	Set Temp 1/4 Sec. Cor.
84.65	Intersect W bdy of the T.B. 7 lks S of the Cor to Secs 19. 24. 25 and 30. described in the survey made by me October 7th 1895
	Thence Inn
	S 89° 51' E on a true line bet Secs 19 and 30
	Over Mountains
0.00	Gulch drains S.W.
36.60	Spur ridge bears N and S
40.50	Hollow drains S
44.65	Set a Sand Stone 26 x 10 x 6 ins. 18 ins in the ground for 1/4 Sec. Cor. Marked 1/4 on N face and raised a mound of Stone 2 ft. base 1 1/2 ft. high N of Cor Pits impracticable
45.50	Spur ridge bears N and S
56.50	Hollow drains S.E.
70.00	Spur ridge bears N W and S.E.
80.00	Hollow drains S.E.
84.65	The Cor to Secs 19. 20. 29 and 30
	Land Mountainous
	Soil rocky. 4th rate
	Oak brush
	Land Mountainous on 84.65 chs
	October 25th At this Cor. I set off 12° 14 S. on the decl arc: and at 12h noon L.M.T. observe the Sun on the meridian the resulting lat is 39° 45' N
	N 0° 5' W bet Secs 19 and 20
	Over Mountains
23.00	Ridge bears N.W. and S.E.
40.00	Set Quartzite Stone 20 x 14 x 12 ins. 15 ins in the ground for 1/4 Sec. Cor. Marked 1/4 on W face and raised a mound of Stone 2 ft. base 1 1/2 ft. high W. of Cor. Pits impracticable
	From which an Aspen 4 ins diam bears S 42° 30' E 72 lks dist Marked 1/4 S.B.T.
	In Oak 3 ins diam bears S 89° W 50 lks dist Marked 1/4 S B T
47.00	Head of hollow drains S.E.
50.00	Spur ridge bears N W and S.E.

See note 10 - Pl 1 - Cor. notes

Subdivisions of T. 12 S. R. 3 E.

Chains	
57.60	Hollow draining S.E.
75.00	Hollow draining S.E.
80.00	Set a sand stone 18 x 6 x 6 ins, 12 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 and raised a mound of Stone 2 ft. base, 1½ ft. high N. of Cor. Pits impracticable Brush in which a Mahogony 3 ins diam bears N 43° 30' W 20 lks dist marked T. 12 S R. 3 E. S. 18 B.T. A Mahogony tree 4 ins diam bears N 65° E 70 lks dist. Marked T. 12 S R. 3 E. S 17 B.T. Land Mountainous Soil rocky, 4th rate Oak, Sage, and Scrub — undergrowth Land Mountainous on 80.00 chs.
	S 89° 56' E on a random line bet Secs 17 and 20
40.00	Set temp ¼ Sec Cor
80.30	Intersect N and S line 7 lks S of the Cor to Secs 16, 17, 20 and 21
	Thence S 89° 53' W. on a true line bet Secs 17 and 20 Over Mountains
3.00	Gulch drains S.E.
8.00	Spur ridge bears N.W. and S.E.
11.50	Gulch drains S.E.
20.00	Spur ridge bears N.W. and S.E.
22.10	Gulch drains S.E.
40.15	On Spur ridge bears N.W. and S.E. Set a Stone 14 x 8 x 6 ins 10 ins in the ground for ¼ Sec Cor Marked ¼ on N. face and raised a mound of Stone 2 ft. base, 1½ ft. high N. of Cor. Pits impracticable
48.00	Gulch drains S.E.
53.00	Spur ridge bears N.W. and S.E.
61.00	Gulch drains S.E.
65.00	Spur ridge bears N.W. and S.E.
80.30	The Cor to Secs 17, 18, 19 and 20 Land Mountainous. Soil rocky, 4th rate Oak brush undergrowth

Subdivisions of T 12 S R 3 E

Chains	Land Mountainous on 80.30 chs October 25th 1895
	October 26th 1895
	N 89° 51' W on a random line bet Secs 18 and 19
40.00	Set temp 1/4 Sec. Cor.
84.60	Intersect W. bdy. of the Tp 47 lks N of the Cor to Secs 13. 18. 19 and 24 described in the survey made by me October 7th 1895
	Thence I run
	N 89° 49' E on a true line bet Secs 18 and 19
	Over Mountains
1.00	Spur ridge bears N W and S E
6.50	Spur ridge bears N W and S E.
11.00	Gulch drains N. W
28.00	Spur ridge bears N W and S E.
41.50	Gulch drains N. W.
44.60	Set a sand stone 12 x 10 x 6 ins. 8 ins. in the ground for 1/4 Sec. Cor. marked 1/4 on the N face and raised a mound of stone 2 ft. base. 1 1/2 ft. high N of Cor. Pits impracticable
53.00	Gulch drains N. W.
70.50	Spur ridge bears N. W. and S. E.
80.50	Dividing ridge bears N. E. and S. W.
84.60	The Cor to Secs 17. 18. 19 and 20
	Land Mountainous
	Soil rocky; 4th rate
	Oak brush
	Land Mountainous on 84.60 chs.
	October 26th At. 10h A. M. L. M. T. I set off 39° 46' N on the lat arc; 12° 33' S on the decl. arc. and determine a true meridian with the solar at the Cor to Secs 17. 18. 19. 20
	Thence I run
	N 0° 5' W bet Secs 17 and 18
	Over Mountains
1.50	Dividing ridge bears N E and S W.
26.00	Gulch drains N. W.
30.00	Spur ridge bears E and W

See note 10 - pg 1 1st Cor. notes

Subdivisions of T 12 S R 3 E

Chains	
39.50	Hollow drains W
40.00	Set a Sand Stone 16 x 8 x 5 ins 10 ins in the ground for ¼ sec Cor Marked ¼ on the W face and raised a mound of Stone 2 ft. base. 1½ ft. high W of Cor Pits impracticable
	From which a pine tree 4 ins diam bears S 42° 31' W. 67 lks dist marked ¼ S.B.T.
	A pine tree 3 ins diam bears S 47° E 100 lks dist Marked ¼ S.B.T.
42.50	Spur ridge bears N.E and S.W.
55.00	Gulch drains S.W.
60.00	Road bears N.E and S.W.
64.00	Spur ridge bears N.E and S.W.
75.00	Enter pine timber
80.00	Set a Quartzite 14 x 10 x 8 ins 10 ins in the ground for Cor to Secs 7. 8 17 and 18. Marked with 4 notches on S and 5 notches on E. edges and raised a mound of Stone 2 ft. base. 1½ ft. high W of Cor Pits impracticable
	From which a pine tree 4 ins diam bears S 70° E 25 lks dist Marked T. 12 S. R 3 E. S 17 B.T.
	A pine tree 3 ins diam bears S 65° W 23 lks dist Marked T. 12 S. R 3 E. S. 18 B.T.
	A Maple tree 3 ins diam bears N 52° E 30 lks dist Marked T 12 S R 3 E S 8 B T
	An Aspen tree 4 ins diam bears N 56° W 24 lks dist Marked T. 12 S. R. 3 E. S. 7 B.T.
	Land Mountainous
	Soil, gravelly rocky: 1st and 4th rate
	Scattering pine timber
	Oak, Aspen, and Choke Cherry undergrowth
	Land Mountainous on 80.00 chs
	October 26th At this Cor I set off 12° 34' S on the decl. arc and at 12h noon observe the sun on the meridian, the resulting lat is 39° 46' N
	N 89° 53' E on a random line bet Secs 8 and 17
40.00	Set Temp ¼ Sec. Cor.
79.90	Intersect N and S line 33 lks S of the Cor to Secs 8. 9. 16 and 17.
	Thence I run

Subdivisions of T12S R3E

Chains	
	S89°39'W on a true line bet Secs 8 and 17
	Over Mountains
6.00	Gulch drains N.W.
39.95	An Aspen tree 6 ins diam for 1/4 Sec. Cor. marked 1/4 S on N side
	From which an aspen tree 6 ins diam bears N45°E 15 lks dist marked 1/4 S.B.T.
	An aspen tree 6 ins diam bears S45°W 17 lks dist marked 1/4 S.B.T.
56.50	Dividing ridge bears N W and S.E.
64.50	Gulch drains S
75.40	Ridge bears S and N E
79.90	The Cor to Secs 7. 8. 17. and 18
	Land Mountainous
	Soil rocky: 4th rate
	Oak. and Aspen undergroth
	Land Mountainous on 79.90 chs.
	S89°49'W on a random line bet Secs 7 and 18
40.00	Set temp 1/4 Sec Cor
84.39	Intersect W. bdy. of the Tp 23 lks N of the Cor to Secs 7. 12. 13 and 18. described in the survey made by me October 7th 1895
	Thence I run
	N89°39'E on a true line bet Secs 7 and 18
	Over Mountains
44.39	Set a Quartzite boulder 14x10x6 ins. 10 ins in the ground for 1/4 Sec Cor. marked 1/4 on N. face and raised a mound of stone 2 ft. base, 1 1/2 ft. high N. of Cor. Pits impracticable
50.00	Gulch drains S.W.
84.39	The Cor to Secs 7. 8. 17 and 18
	Land Mountainous
	Soil Sandy. rocky: 1st and 4th rate
	Oak. Maple Aspen and Sage brush undergroth
	Land Mountainous on 84.39 chs
	October 26th 1895
	October 28th 1895
	N0°-W bet Secs 7 and 8

See Note. 10-P. 1-Cor. notes.

Subdivisions of T12S R3E

Chains	
	Over Mountains
14.00	Enter Corral bears E and W
15.00	Leave " " E and W
40.00	An Aspen tree 5 ins diam for 1/4 sec cor Mark 1/4 S on W side
	From which an Aspen tree 7 ins diam bears N.70°E. 12 lks dist marked 1/4 S.B.T.
	An Aspen tree 5 ins diam bears S85°W 21 lks dist marked 1/4 S.B.T.
53.00	Ridge bears N.W. and S.E.
70.00	Head of Gulch drains N.E.
80.00	An Aspen tree 5 ins diam for cor. to Secs 5.6.7 and 8 Marked T12S. S. 5 on N E
	R3E S 8 on S.E.
	S 7 on S.W.
	S 6 on N.W. sides. with 5 notches on the S and sides
	From which an Aspen 5 ins diam bears S5° 30'W 30 lks dist marked T.12S R.3E S.7 B.T.
	An Aspen tree 8 ins diam bears S60°E 115 lks dist marked T.12S. R3E. S.8 B.T.
	An aspen 5 ins diam bears N40°E 125 lks dist marked T.12S. R3E. S.5 B.T.
	An Aspen 4 ins diam bears N48°W 35 lks dist marked T.12S. R.3E. S.6 B.T.
	Land Mountainous
	Soil gravelly. Sandy, 1st and 3rd rate
	Aspen and Oak undergrowth
	Land Mountainous on 80.00 chs

October 28th 1895 At 9h 30m A.M.L.M.T. I set off 39°47' N on the lat arc 13°13' S on the decl and determine a true meridian with the solar at the cor to Secs 5.6.7 and 8

Thence I run

N 89°39' E on a random line bet Secs 5 and 8

40.00	Set temp 1/4 sec. Cor
80.13	Intersect N and S line 21 lks N of the cor to Secs 4.5. 8 and 9

Thence I run

S 89°48' W on a true line bet Secs 5 and 8

Subdivisions of T12 S R3 E

Chains		
	Over Mountains	
40.06.2	Set a Quartzite Stone 16x8x8 ins. 10 ins in the ground for 1/4 Sec. Cor. marked 1/4 on N face and raised a mound of Stone 2 ft. base. 1 1/2 ft. high N. of Cor. Pits impracticable	
45.00	Gulch drains N.E.	See note 8. Pa. 1 - Cor. notes
67.00	Spring branch in Cañon drains N.E.	
80.13	The Cor to Secs 5. 6. 7. and 8	
	Land Mountainous	
	Soil gravelly: 1st and 4th rate	
	Oak brush undergrowth	
	Land Mountainous on 80.13 chs	
	October 28th At this Cor I set off 13°15' S on the decl. arc and at 12h noon observe the Sun on the meridian The resulting lat is 39°47' N	
	S89°39' W on a random line bet Secs 6 and 7	
40.00	Set temp 1/4 Sec Cor	
84.35	Intersect W. bdy of Tp 5 lks S of the Cor to Secs 1. 6. 7. and 12 described in the survey made by me October 7th 1895	
	Thence I run	
	N89°41' E. on a true line bet Secs 6 and 7	
	Over Mountain	
25.00	Ridge bears N.W. and S.E.	
44.35	Set a Quartzite Stone 16x12x6 ins. 10 ins in the ground for 1/4 Sec. Cor. Marked 1/4 on N face and raised a mound of Stone 2 ft. base, 1 1/2 ft. high N. of Cor. Pits impracticable	
	From which a Balsam tree 6 ins diam bears S80° W. 50 lks dist Marked 1/4 S.B.T.	
	An Aspen tree 8 ins diam bears N40° E 45 lks dist Marked 1/4 S.B.T.	
56.30	Spring branch 5 lks wide in Cañon flows N.E.	
80.50	Ridge bears NE and SW	
84.35	The Cor to Secs. 5. 6. 7 and 8	
	Land Mountainous	
	Soil gravelly: 1st and 4th rate	
	Scattering pine timber	
	Aspen and Oak brush	
	Land Mountainous on 84.35 chs	

Subdivisions of T.12 S. R.3 E.

See note 10. page 1. Cor. Notes	Chains	N 0°-5' W on a random line bet Secs 5 and 6
	40.00	Set temp 1/4 Sec. Cor.
	80.12	Intersect N. bdy. of the Tp. 19 lks E of the Cor to Secs 5. 6. 31 and 32 described in the Survey by me October 9th 1895.
		Thence I run
See note 12 - page 1 Cor. Notes		S 0°-13' E on a true line bet Secs 5 and 6
		Over Mountains
	6.50	Hollow drains N W
	8.50	Spur ridge bears N.W. and S.E
	20.00	Hollow drains N.W.
	40.12	Set Quartzite Stone 14x10x6 ins 10 ins in the for 1/4 Sec. Cor. Marked 1/4 on W face and raised a mound of stone 2 ft. base, 1 1/2 ft. high W.
		Pits impracticable
		From which a pine tree 6 ins diam bears N 40° 30 lks dist Marked 1/4 S.B.T.
		A pine tree 7 ins diam bears S 13° E 20 lks dist Marked 1/4 S.B.T.
	78.00	Ridge bears N.E and S.W.
—	80.12	The Cor to Secs 5. 6. 7 and 8
		Land Mountainous
		Soil gravelly, rocky: 1st and 4th rate
		Scattering pine timber
		Aspen, Oak and Sarvis undergrowth
		Land Mountainous on 80.12 Chs.
		October 28th 189

General description

This Tp. was not surveyed in it's order viz. 4th in the contract for the reason that at the time Tp. 12 S R 3 E was surveyed I was informed that there were no settlers in the Tp. and at that time was somewhat in doubt as to whether it could be surveyed under the terms of the contract. Subsequently I arrived at the conclusion that it could be sur-

veyed- This accounts for this Tp. having been surveyed last-

This Tp. is mountainous

The soil is sandy, gravelly and rocky and ranges from 1st class to 4th class. There is some good land in Secs. 1. 11. 12. 20. 29. 30 32 and 33 upon which settlements will prob ably be made on the approval of the Survey

The whole Tp. is used extensively for grazing purposes for Sheep and Cattle

There are a number of Springs in the Tp and several Spring branches, in Secs 1. 12. 13 14. 23. 24. 4. 5. 9. 10. 20. 29 and 30. In Secs 22 and 23, a lake covering about 1 acre and of unknown depth which could be utilized as a reservoir

There is some good pine timber in the North westerly portion of the Tp from which saw mills have been cutting lumber and in the hollows and gulchs clumps of Aspen. The Tp is covered for the most part with oak and Service undergrowth

About 20 acres of the creek bottoms in Secs 29 and 30 have been under cultivation

There are several desert entrymen and applicants for survey. as appears from the special instructions accompanying the Contracts: but I was unable to find any evidence of their occupancy, & therefore take it that their entrys have been abandoned.

Henry Fitzhugh
Nicholas Fitzhugh
U. S. Dep. Surveyors.

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Correction Notes
Subdivisions T. 12 S. R. 3 E.

Note No.	
1	This is a clerical error. T. 12 S. R. 4 E. Should have been written in the notes.
2	This is a clerical error. This corner will be found marked with 2 grooves on S. and 4 grooves on N. faces.
3	This is a clerical error. The notes should read. on S. Bdy. of Sp.
4	This is a clerical error. This line will be found in the field runs N. 0° 1' W.
5	This is a clerical error. This Spring branch is about 2 lks. wide.
6	This is a clerical error. Should be S. 0° 10' E.
7	This is a clerical error. This line will be found in the field runs N. 0° 2' W.
8	This is a clerical error. This Spring branch is about 3 lks. wide.
9	Clerical error. Should be. S. 0° 10' W.
10	This is a clerical error. This line will be found in the field runs N. 0° 3' W.
11	This is a clerical error. Should be. S. 0° 6' E.
12	This is a clerical error. Should be. S. 0° 11' E.

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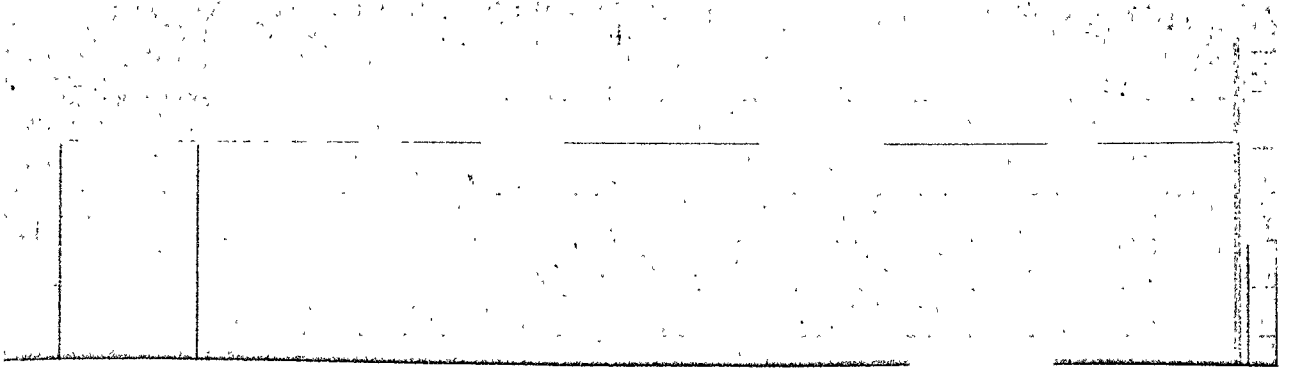
BOOK A-240

Emery Fitzpatrick
Nicholas Fitzpatrick
U.S. Deputy Surveyors.

Volume

#

R0240



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List of Names.

A list of the names of the individuals employed by Henry Fitzhugh and Nicholas Fitzhugh, U. S. Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the survey of the Subdivisional lines of Townships Twelve South Range Three East and Township Ten South Range Four East

Salt Lake Meridian, in Utah Territory, showing the respective capacities in which they acted:

J Stewart Jr	Chainman
C Stewart	"
John R Stewart	"
W Conover	"
Wayne F Preston	Axeman
Thomas Barnard	"

Final Oath of Assistants:

We hereby certify that we assisted Henry Fitzhugh and Nicholas Fitzhugh, U. S. Deputy Surveyor, in surveying all those parts or portions of the Townships Twelve South Range Three East and Ten South Range Four East (Subdivisional lines)

Salt Lake Meridian, Utah Territory, as are represented in the foregoing field notes as having been surveyed by ~~him~~ them and under ~~his~~ their 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 U. S. Surveyor General for Utah Territory

Andrew J Stewart Jr. Chainman
Scott R Stewart "
Wayne F Preston Axeman
John R Stewart Chainman
Don C Conover "
Thomas Barnard Axeman

Subscribed and sworn to before me this 6th day of November, 1895.

SEAL

E L Jones
Clerk of County Court
Utah County
U T

6—151

Final Oath of U. S. Deputy Surveyor.

I, We Henry Fitzhugh and Nicholas Fitzhugh, U. S. Deputy Surve
solemnly swear that, in pursuance of instructions received from George W Imus
Surveyor General for Utah, bearing date of the 8th
March, 1895, I have well, faithfully, and truly, in my own proper person, and i
conformity with the instructions furnished by the U. S. Surveyor General for Utah
surveying manual, and the laws of the United States, surveyed all those parts or portions of
lines of Township Twelve South Range Three East and
Dividional lines of Township Ten South Range F
East

Salt Lake Meridian, in the Territory of Utah, as are represented in t
going field notes as having been surveyed by me, and under my directions; and I do further solemnly swear
the corners of said survey have been established and perpetuated in strict accordance with the surveying
printed instructions, the special written instructions of the U. S. Surveyor General for Utah
and in the specific manner described in the field notes, and that the foregoing are the true field notes of such
and should any fraud be detected, I will suffer the penalty of perjury under the provisions of an Act of
approved August 8, 1846.

Henry Fitzhugh
Nicholas Fitzhugh
U. S. Deputy Su

Subscribed and sworn to before me this 19th
day of December, 1895

SEAL

George W Imus
U S Surveyor

Approval.

Office of the U. S. Surveyor General,
Salt Lake City, Utah June 22, 1

The foregoing field notes of the survey of the subdivisions of T
12 South Range 3 East Salt Lake Base
Meridian, Utah Territory

e.

Henry Fitzhugh and Nicholas F
under his Contract No. 200, dated March 8th, 1895, having beer
examined, the necessary corrections and explanations made, the said field notes, and the surveys they de
hereby approved.

U. S. Surveyor

I certify that the foregoing transcript of the field notes of the above-described surveys in
, has been correctly copied from the original notes on file in this office.

U. S. Surveyor

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(4—679.)

BOOK A-240

FIELD NOTES

K.J.B.

RESURVEY AND
OF THE SURVEY OF

The East and ~~South~~ boundaries of Township 14 S. Range 2 E.

Of the Salt Lake Meridian,

Territory of Utah

AS SURVEYED BY

Edward W. Koeber, U. S. Deputy Surveyor,

nder his Contract No. 172, dated June 17th 1890.

rvey commenced Dec 4th, 1894.

rvey completed Dec 6th, 1894.

(12503—2,000.)

53270
G 22990

BOOK A-240

Names and Duties of Assistants.

Arthur Moore	Chairman
Fred. H. Ulmer	Chairman
F. L. Armstrong	Fireman
Clarence S. Carleton	Fireman

BOOK A-240

INDEX DIAGRAM.

North & East Boundaries.

Township 14 S. . *Range* 2 E.

6	5	4	3	2	1	1
7	8	9	10	11	12	2
18	17	16	15	14	13	3
19	20	21	22	23	24	3
30	29	28	27	26	25	3
31	32	33	34	35	36	4

Meanders Page.....

Preliminary Oaths of Assistants.

We, _____

_____

_____

do solemnly swear that we will well and faithfully execute the duties of chain carriers; that we will level over even and uneven ground, and plumb the tally-pins either by sticking or dropping the same; that we w the true distance to all notable objects, and the true lengths of all lines that we assist in measuring, to the b skill and ability, and in accordance with instructions given us in the survey of the _____

_____

_____

_____

_____

_____, *Chai*

_____, *Chai*

_____, *Chai*

_____, *Cha*

Subscribed and sworn to before me this _____ day of _____, 18 .

_____

_____

We, _____

_____

do solemnly swear that we will well and truly perform the duties of axemen in the establishment of corners duties, according to instructions given us, and to the best of our skill and ability, in the survey of the _____

_____

_____

_____

_____

Subscribed and sworn to before me this _____ day of _____, 18 .

_____,

_____,

_____

_____

_____

Exterior boundaries of T. 14 S., R. 2 E.

Chains.

Survey commenced Dec 4th 1894. with Burley mountain transit with solar attachment.

East boundary.

I commence at the corner to townships 14 & 15 S. ranges 2 & 3 E. as described in field notes of my survey of N. boundary of T. 15 S. R. 2 E. and run

North on a resurvey line between Secs 31 & 36

Va 16° 40' E.

At 40. chains the 1/4 Sec. cor. bears W. 18 lks dist: & at 80. chains, no trace of old corner. but at 85. chains find the cor. to Secs 25. 30. 31 & 36 bears W. 36 lks dist: I continue this line north from said corner and find the old corners in Alignment: and the corner to townships 13 & 14 S. ranges 2 and 3 East: which is a sandstone 8 x 8 x 6 ins. above ground, marked & witnessed as described in field notes furnished by the Surveyor General. bears W. 2.11 chains dist:

Thence I run

S 0° 15' E. on a true line between Secs 1 & 6.

Va 16° 40' E.

Descend.

10.00	Enter bottom. about 30 ft: below township cor.
14.10	Creek. 20 lks wide. flows S. E.
17.70	Fence on N. side of street in Fountain Green Village course E & W.
18.30	Fence on S. side of street. course E & W.
24.40	" " N. " " " " " " "
25.40	" " S. " " " " " " "
32.25	" " N. " " " " " " "
33.25	" " S. " " " " " " "
39.60	" " N. " " " " " " "
40.00	No trace of old cor. Set a sandstone 18 x 12 x 10 ins. 12 ins. in the ground for 1/4 Sec. Cor. marked 1/4 on W. face; dug hole 18 x 18 x 12 ins. N & S. of stone 6 1/2 ft: dist: and raised a mound of earth 1 1/2 ft: high. 6 1/2 ft: base alongside,
40.70	Fence on S. side of street. course E & W.

East boundary of T.14.S. R.2.E.

Chains	
47.50	Fence on N. side of street, course E & W.
48.75	" " S. " " " " " "
56.40	" " N " " " " " "
57.40	" " S " " " " " "
63.60	" " N. " " " " " "
64.75	" " S " " " " " "
71.00	" " N. " " " " " "
72.00	" " S. " " " " " "
78.70	" " N. " " " " " "
79.73	" " S. " " " " " "
80.00	The cor. to Secs 1.6.7 & 12. on line. which is a sandstone 10×8×6 ins. above ground. mark & witnessed as described in field notes furnished by the Surveyor General.

Land 10 chs bench. 70. chs bottom.
Soil. Sandy loam. 1st rate.
No timber.

Dec. 4th 189 ,

So°.15' E. on a true line between Secs 7 & 12.
Va 16°.40' E.

Enter field.

6.80	Fence. course E. & W.
10.00	Fence. course E & W.
19.90	Fence. course E & W.
29.80	Ditch 15 lks wide, flows E. leave field.
39.30	Ascend. Enter cedars. and dense undergrowth.
40.00	The 1/4 Sec. cor. on line. which is a sandstone 14×10×8 ins. above ground. marked & as described in field notes furnished by the Surveyor General. Top of ascent. gradual
60.00	Fence course E & W.
80.00	The cor. to Secs 7.12.13 & 18. on line. which is a limestone 8×8×6 ins. above ground. mark with 2 notches on N & 4 notches on S. edges; with a mound of stones 2 ft. high. 8 ft. base alongside.

Land. Bottom.
Soil. Sandy, 2nd rate.
Timber. Scattering cedars on 40.70. chains. dense undergrowth on 40.70 chains.

East boundary of T. 14. S. R. 2. E.

Chains.	
	So. 15' E. on a true line between Secs 18 & 19. Va 16°. 40' E.
	Enter scattering cedars & dense underbrush, over rolling land,
40.00	The 1/4 Sec. Cor. on line, which is a limestone 10 x 8 x 6 ins. above ground, marked 1/4 on W. face, with a mound of stones 1½ ft: high. 2 ft: base alongside.
80.00	The cor. to Secs 13. 18. 19 & 24. on line, which is a limestone 6 x 5 x 8 ins. above ground, marked with 8 notches on N & S. edges; and a mound of stones 2 ft: high. & 3 ft: base, alongside.
	Land, rolling.
	Soil. Gravelly & Rocky. 3rd rate.
	Timber. Cedars. dense underbrush on 80 chains.

	So. 15' E. on a true line between Secs 19 & 24. Va 16°. 40' E.
	Enter scattering cedars & dense underbrush, over rolling land.
20.20	Fence: course E & W.
32.00	Road, course E & W.
32.25	Ditch. 8 ft: wide, flows E.
38.00	Leave cedars & underbrush. Enter field. Fences E & W.
40.00	No trace of old corner. Set a sandstone 18 x 12 x 8 ins. 12 ins. in the ground for 1/4 Sec. Cor. marked 1/4 on W. face; drig pits 18 x 18 x 12 ins. N & S. of stone 6½ ft: dist: & raised a mound of earth 1½ ft: high. 3½ ft: base alongside,
1535.00	Leave field. Enter Sage brush. gradual ascent.
59.85	Fence. Course E & W.
63.00	Gradual descent.
80.00	The cor. to Secs 19. 24. 25 & 30. on line, which is a sandstone 12 x 9 x 6 ins. above ground, marked 4 notches on N & 2 notches on S. edges; with a mound of earth 1½ ft: high. 5 ft: base alongside.
	Land, rolling.
	Soil, Sandy & Gravelly 2nd rate.
	Timber. Cedars on 38. chains. dense underbrush.

East boundary of T. 14 S., R. 2 E.

Chains	
	on 58. chains.
	So. 15' E. on a true line between Secs 25 & 30 / a 16° 40' E.
	Enter dense undergrowth, on bottom.
15.00	Road, course E and W.
40.00	The 1/4 sec. cor. on line, which is a sandstone 6 x 8 x 6 ins. above ground, marked 1/4 on W. face, with a mound of earth 1½ ft. high, 4 ft. base alongside.
80.00	The cor. to Secs 25, 30, 31 & 36 on line, which is a sandstone 10 x 8 x 10 ins. above ground, marked with 5 notches on N and 1 notch on S. edges, and a mound of earth 2 ft. high, 5 ft. base alongside.
	Land, bottom, nearly level.
	Soil, Sandy and Gravelly 2nd rate.
	No timber, dense undergrowth on 80. chains.
	So. 15' E. on a true line between Secs 31 & 36. / a 16° 40' E.
	Enter dense undergrowth, on bottom.
4.90	San Pete Valley R.R. course N.W. and W.
45.00	The 1/4 sec. cor. on line, which is a sandstone 8 x 6 x 4 ins. above ground marked 1/4 on W. face, and a mound of earth 1½ ft. high, 4 ft. base alongside.
60.00	Road, course E and W.
76.00	Road, course E and W.
85.00	The cor. to Secs 14 & 15 S. R. 2 & 3 E.
	Land, bottom, nearly level.
	Soil, Sandy 2nd rate,
	No timber, dense undergrowth on 85. chains
	Dec. 5th 1894.

General Description.

For general Description of this Township see Subdivisions Notes.

Edward H. Kozber
U. S. Dep. Surv

List of Names.

A list of the names of the individuals employed by .....

....., U. S. Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the survey of the .....

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.....Meridian, in ...., showing the respective capacities in which they acted:

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Final Oath of Assistants:

We hereby certify that we assisted .....

....., U. S. Deputy Surveyor, in surveying all those parts or portions of the .....

.....

.....

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.....

..... Meridian, ..., 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 U. S. Surveyor General for .....

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Subscribed and sworn to before me this .....

day of ....., 18 .

SEAL

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6—151

Final Oath of U. S. Deputy Surveyor.

I, ..., U. S. Deputy Surveyor, solemnly swear that, in pursuance of instructions received from ....., U Surveyor General for ....., bearing date of the ..... da ....., 18 , I have well, faithfully, and truly, in my own proper person, and in s conformity with the instructions furnished by the U. S. Surveyor General for ....., surveying manual, and the laws of the United States, surveyed all those parts or portions of .....

.....Meridian, in the ....., as are represented in the going field notes as having been surveyed by me, and under my directions; and I do further solemnly swear tha the corners of said survey have been established and perpetuated in strict accordance with the surveying ma printed instructions, the special written instructions of the U. S. Surveyor General for ..... and in the specific manner described in the field notes, and that the foregoing are the true field notes of such sur and should any fraud be detected, I will suffer the penalty of perjury under the provisions of an Act of Con approved August 8, 1846.

.....
U. S. Deputy Survey

Subscribed and sworn to before me this .....
day of ....., 18 .

SEAL

.....

.....

Approval.

Office of the U. S. Surveyor General,
Salt Lake City Utah
June 29th, 189

The foregoing field notes of the resurvey of the North & East Bound of Township 14 South Range 2 East of the Salt Base & Meridian Territory of Utah

..... execu

Edward Moeller

under his Contract No. 172, dated June 17th, 1890 having been cri examined, the necessary corrections and explanations made, the said field notes, and the surveys they describ hereby approved.

George W Snow
U. S. Surveyor Gen

I certify that the foregoing transcript of the field notes of the above-described surveys in ....., has been correctly copied from the original notes on file in this office.

.....
U. S. Surveyor Gene

6—151

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(4—679.)

BOOK A-240

K.T.B.

FIELD NOTES

OF THE SURVEY OF

The Guide Meridian T. 14 south between R's 3 & 14 E

Of the Salt Lake Meridian,

Utah Territory

AS SURVEYED BY

Edward W. Koeber, U. S. Deputy Surveyor,

nder his Contract No. 172, dated June 17th 1890.

urvey commenced Dec 11th, 1894.

urvey completed Dec 13th, 1894.

(12503—2,000.)

#6 04 [illegible]

BOOK A-240

Names and Duties of Assistants.

Arthur Moore Chairman

Fred. H. Ulmer Chairman

F. S. Armstrong Chairman

Clarence S. Carleton Chairman

BOOK A-240

INDEX DIAGRAM.

Township 14 S. . *Range* 12 E.

6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

Meanders Page . . . . . .

Preliminary Oaths of Assistants.

We, _____

_____

_____

do solemnly swear that we will well and faithfully execute the duties of chain carriers; that we will level the ch
over even and uneven ground, and plumb the tally-pins either by sticking or dropping the same; that we will re
the true distance to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of
skill and ability, and in accordance with instructions given us in the survey of the _____

_____

_____

_____

_____

_____, *Chainm*

_____, *Chainm*

_____, *Chainm*

_____, *Chainm*

Subscribed and sworn to before me this _____
day of _____, 18 .

_____

_____

We, _____

_____

do solemnly swear that we will well and truly perform the duties of axemen in the establishment of corners a
duties, according to instructions given us, and to the best of our skill and ability, in the survey of the _____

_____

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_____

Subscribed and sworn to before me this _____
day of _____, 18 .

_____, *A*

_____, *A*

_____

_____

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Guide Meridian. T. 14 S. R's 3 and 4 E.

hams.

Survey commenced Dec. 11th 1894, with Gurley Mountain transit with solar attachment.

At the corner to Tps 14 and 15 S. R's 3 and 4 E. Lat 39°.23' N. Long. 111°.34' W. I observe Polaris at 7h.57m P.M. local mean time, and find the magnetic bearing of the star to be N 16°.34' W. As star is at upper culmination at time of observation makes Va 16°.34' E.

For future reference I mark the true meridian so determined by driving a stake in line 3 chains N. of corner

Dec. 11th 1894.

From the corner to Tps 14 and 15 S R's 3 & 4 E. which is a granite stone 5×5×7 ins. above ground marked with 6 notches on N. S. E and W. edges; with a mound of stones 1 ft. high. 2½ ft. base alongside, I run North on a random line between Ranges 3 and 4 E.

Va 16°.34' E.

At 40.40 chs the ¼ sec. cor. bears W 15 lks and at 80.80 chs the cor. to secs 25.30.31 and 36. bears W 30 lks dist. I therefore continue this line north and find all the corners in alignment. and at 6 miles 4 chains and 80 lks the corner to townships 13 and 14 S. ranges 3 and 4 E. bears West 182 lks dist. which is a granite stone 8×6×4 ins above ground marked and witnessed as described in field notes furnished by the Surveyor General, thence I run S 0°.13' E. on a true line between secs 1 and 6.

Va 16°.34' E.

Enter dense undergrowth. Ascend W. slope of mountain

20.00 Ridge of mountain about 150 ft. above township Cor. Course N. E and S W. descend east slope.

40.40 A sandstone 8×6×6 ins above ground for ¼ sec. Cor. on line. marked and witnessed as described in field notes furnished by the Surveyor General,

52.50 Ridge. course E and W. descend about 200 ft. to

79.00 Ravine, course S. E. ascend to

Guide Meridian T. 14 S. R. 5 & 4 E.

Chains
80.80 The corner to Sec's 1, 6, 7 & 12, which is a limestone 6×7×7 ins. above ground, marked & witnessed as described in field notes furnished by the Surveyor General.
Land, broken.
Soil, Rocky & Gravelly, 4th rate.
No timber, dense undergrowth on 80.80 chains.
Whole line runs over mountainous land.
Dec. 12th 1894.

S 0° 15' E. on a true line between Sec's 7 & 12.
Va 16° 34' E.
Enter dense undergrowth & Scattering Cedars. Ascend about 80 ft. to
5.00 Top of ridge, course E. & W. descend about 100 ft. to
15.00 Ravine, course E. ascend
20.20 Ridge, about 30 ft. high. descend.
28.30 Ravine, course N. E. ascend steep hill side about 200 ft. to
37.40 Top of hill. Enter flat.
40.40 A sandstone 10×6×6 ins. above ground, marked ¼ on W. face for ¼ sec. cor. on line, a mound of stones 1½ ft. high. 2 ft. base alongside.
44.50 descend E. slope of mountain about 300 ft. to
80.80 The cor. to Sec's 7, 12, 13 & 18, which is a limestone 6×6×8 ins. above ground, marked 2 notches on N. & 4 notches on S. edges; and a mound of stones 1½ ft. high. 2 ft. base alongside.
Land, broken.
Soil, Rocky & Gravelly, 4th rate.
Timber, Scattering Cedars, dense undergrowth on 80.80 chains.
Whole line runs over mountainous land.

S 0° 15' E. on a true line between Sec's 13 & 1
Va 16° 34' E.
Enter dense undergrowth & Scattering Cedars, descend about 20 ft. to
5.00 Ravine, course E. ascend about 40 ft. to
23.00 Top of ridge, course E. & W. Wood road course E. & W. descend
34.00 Gulch, course E. ascend,

Guide Meridian T. 14 S. R. 3 & 4 E.

Chains.	
39.90	Descend,
40.40	The 1/4 Sec. cor. on line, which is a sandstone 8×8×8 ins above ground, marked & witnessed as described in field notes furnished by the Surveyor General.
54.50	Ravine, course S.W. ascend.
62.60	Ridge 50 ft. high, course W. descend.
68.00	Ravine, course S.E. Enter flat.
69.00	Wood road, course N.W. & S.E.
69.60	Leave flat: ascend gradually to
80.80	The cor. to Secs 13.18.19 & 24, on line, which is a sandstone 8×12×8 ins. above ground, marked & witnessed as described in field notes furnished by the Surveyor General.
	Land, broken.
	Soil, Sandy & Gravelly 3rd rate.
	Timber, Scattering Cedars, dense undergrowth on 80.80 chains.
	Whole line runs over mountainous land.

So. 13' E. on a true line between Secs 19 & 24.
Va 16°. 34' E.

	Enter dense undergrowth & Scattering Cedars, descend about 50 ft. to
25.25	Ravine, course S.W. enter bottom.
40.40	The 1/4 Sec. Cor. on line, which is a sandstone 8×12×8 ins. above ground, marked & witnessed as described in field notes furnished by the Surveyor General.
44.08	Dry wash 30 lks wide, 10 ft. deep, course S.W.
45.10	Wood road, course N.E. & S.W.
50.50	Leave flat, ascend about 60 ft. to
65.60	Ridge, course N.E. & S.W. descend to
80.80	The cor. to Secs 19.24.25 & 30, which is a sandstone 8×8×8 ins. above ground, marked & witnessed as described in field notes furnished by the Surveyor General.
	Land, broken.
	Soil, Sandy & rocky. 3rd rate.
	Timber, Scattering Cedars, dense undergrowth on 80.80 chains.

Guide Meridian T. 14 S. R. 3 & 4 E.

C. ams.

So° 13' E. on a true line between Secs 25 & 30
Va 16° 34' E.

Enter dense undergrowth & Scattering Cedars. descend 40 ft: to
4.00 Foot of hill; gradual ascent
16.00 Top of ascent; descend about 20 ft: to
28.30 Ravine, course S.E. ascend about 30 ft: to
29.50 Ridge, course S.E & N.W. descend about 30 ft: to
32.50 Enter bottom,
40.40 The 1/4 Sec. cor. on line, which is a sandstone 6 x x 6 ins. above ground marked & witnessed as described in field notes furnished by the Survey General.
40.50 Ascend.
46.50 Ridge 30 ft: high, course S.E & N.W. descend.
78.70 Enter bottom,
80.80 The cor. to Secs 25.30.31 & 36. on line, which is a sandstone 6 x 12 x 6 ins. above ground mark and witnessed as described in field notes ...hed by the Surveyor General.
Land, bottom & broken,
Sandy 2nd rate.
Timber, Scattering Cedars. dense undergrowth on 80.80 chains.

So° 13' E. on a true line between Secs 31 & 36
Va 16° 34' E.

Enter dense undergrowth & Scattering Cedars. ascend
7.00 Top of Knoll, 1 ch. in diam. 50 ft: high. des over sandy hills.
40.40 The 1/4 Sec. Cor. on line, which is a sandstone 6 x 10 x 8 ins. above ground, marked & witnessed as described in field notes furnished by the Surveyor General.
55.50 Enter bottom.
56.58 Ditch 15 lks wide flows S.W.
57.60 Enter field, course N.E & S.W.
62.60 Leave field. " " "
72.70 Leave bottom ascend about 25 ft: to
80.80 The cor. to townships 14 & 15 S. ranges 3 4. E.
Land. bottom & broken

Guide Meridian W. 14. S. R. 3 & 4 E.

Soil, Sandy 2nd rate,
Timber Scattering Cedars. dense undergrowth
on 80-80 chains.

Dec 13th 1894.

Note: For General Description. See subdivisions of W 14. S. R. 3 E

Edward F. J
U.S. Dep. Surveyor.

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List of Names.

A list of the names of the individuals employed by _____, U. S. Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the survey of the _____ Meridian, in _____, showing the respective capacities in which they acted:

Final Oath of Assistants:

We hereby certify that we assisted _____, U. S. Deputy Surveyor, in surveying all those parts or portions of the _____ Meridian, _____, 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 U. S. Surveyor General for _____

Subscribed and sworn to before me this _____ day of _____, 18 .

SEAL

_____

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Final Oath of U. S. Deputy Surveyor.

I, ..., U. S. Deputy
solemnly swear that, in pursuance of instructions received from ....
Surveyor General for ...., bearing date of the ....
......................................, 18 , I have well, faithfully, and truly, in my own proper person, a
conformity with the instructions furnished by the U. S. Surveyor General for ....
surveying manual, and the laws of the United States, surveyed all those parts or portions of ....

....

....

....

..................................Meridian, in the.., as are represented
going field notes as having been surveyed by me, and under my directions; and I do further solemnly sw
the corners of said survey have been established and perpetuated in strict accordance with the surveyi
printed instructions, the special written instructions of the U. S. Surveyor General for..............................
and in the specific manner described in the field notes, and that the foregoing are the true field notes of s
and should any fraud be detected, I will suffer the penalty of perjury under the provisions of an Act o
approved August 8, 1846.

....
U. S. Deputy

Subscribed and sworn to before me this .... day of ...., 18 .

SEAL

....

....

Approval.

Office of the U. S. Surveyor General,
Salt Lake City Utah
June 29th, 1

The foregoing field notes of the re survey of The Guide Meridian a East Boundary of Township 14 South Range 3 E of the Salt Lake Base & Meridian Utah

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....

Edward M. Kocher

under his Contract No. 172, dated June 17th, 1899 having bee examined, the necessary corrections and explanations made, the said field notes, and the surveys they de hereby approved.

Lingell W. Snow
U. S. Surveyor

I certify that the foregoing transcript of the field notes of the above-described surveys in ....
...., has been correctly copied from the original notes on file in this office.

....
U. S. Surveyor

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(4—679.)

BOOK A-240

FIELD NOTES

No. 3. B.

OF resurvey and THE SURVEY OF

North and South boundaries of township 14 South

Range 3 East.

Of the Salt Lake Meridian,

Utah Territory

AS SURVEYED BY

Edward W. Roeber, U. S. Deputy Surveyor,

der his Contract No. 172, dated June 17th 1890.

vey commenced Dec 14th, 1894.

vey completed Dec 18th, 1894.

(12503—2,000.)

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BOOK A-240

Names and Duties of Assistants.

Arthur Irwin - Chairman

Fred. W. Ulmer Chairman

F. S. Armstrong Axeman

Clarence S. Carleton Axeman

BOOK A-240

INDEX DIAGRAM.

North & South boundaries.

Township 14 South, Range 3 East.

5 6	6 5	6 4	7 3	7 2	8 1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31 1	32 2	33 2	34 3	35 3	36 4

Meanders Page.....

Preliminary Oaths of Assistants.

We, ...

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do solemnly swear that we will well and faithfully execute the duties of chain carriers; that we will leve over even and uneven ground, and plumb the tally-pins either by sticking or dropping the same; that we the true distance to all notable objects, and the true lengths of all lines that we assist in measuring, to the skill and ability, and in accordance with instructions given us in the survey of the .....

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....., *Ch*

....., *Ch*

....., *Ch*

....., *Ch*

Subscribed and sworn to before me this .....
day of ....., 18 .

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We, ...

.....

do solemnly swear that we will well and truly perform the duties of axemen in the establishment of corne duties, according to instructions given us, and to the best of our skill and ability, in the survey of the ....

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Subscribed and sworn to before me this .....
day of ....., 18 .

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Exterior boundaries of T. 14 S. R. 3 E.

Survey commenced Dec. 14th 1894. with Gurley mountain transit with solar attachment.

South boundary.

T. From the corner to townships 14 and 15 S. ranges 3 and 4 E. I run
West on a random line between townships 14 and 15 South

Va 16° 34' E.

I set temporary section and 1/4 sec. corners at each 40. and 80 chains, searching diligently for old corners, and at 6 miles intersect corner to townships 14 and 15 S. ranges 2 and 3 East. 3 links N. of corner as described in field notes of my survey of South boundary of T. 15 S. R. 2 E., thence I run
N 89° 56' E. on a true line between Secs 6 & 31.

Va 16° 34' E.

Enter dense undergrowth, descend gradually over bottom land.

7.00 Old R.R. grade, Course N 10° E.

40.00 No trace of old corner, Set a Quartzite stone 16 x 8 x 6 ins. 11 ins. in the ground for 1/4 Sec. Cor. marked 1/4 on N. face; dug pits 18 x 18 x 12 ins. E & W. of stone 5 1/2 ft. dist. and raised a mound of earth 1 1/2 ft. high. 3 1/2 ft. base alongside.

47.50 Paw Paw Valley R.R. Course S 25° E

67.00 Wagon road course NW. and S. E.

80.00 No trace of old corner, Set a sandstone 18 x 14 x 10 ins. 12 ins. in the ground for cor. to Secs 5. 6. 31 and 32. marked 1 notch on N. and 5 notches on E. edges; dug pits 18 x 18 x 12 ins. in each sec. 5 1/2 ft. dist. and raised a mound of earth 2 ft. high. 4 1/2 ft. base alongside.
Land bottom.
Soil, Sandy 2nd rate,
No timber. dense undergrowth on 80.00 chs
Dec. 14th 1894.

N 89° 56' E on a true line between Secs 5 & 32.

Va 16° 34' E.

Enter bottom.

South boundary of T. 14 S. R. 2 E.

Chains.	
12.00	Road, course N & S.
40.00	No trace of old corner. Set a sandstone 18×14 ×10 ins. 12 ins. in the ground for ¼ sec. cor. marked ¼ on N. face; dug pits 18×18×12 ins. E & W. of stone 5½ ft. dist. and raised a mound of earth 1½ ft. high, 3½ ft. base alongside.
67.60	Ditch 10 lks wide, flows S. E.
67.70	Fence. Course N & S.
71.00	Ditch. 10 lks wide. flows S. Enter field.
80.00	No trace of old corner, Set a sandstone 18×16×9 ins. 12 ins. in the ground for cor. to Secs 4.5.32 & 33. marked 2 notches on W. & 4 notches on E. edges; dug pits 18×18×12 ins. in each sec. 5½ ft. dist. and raised a mound of earth 2 ft. high 4½ ft. base alongside.
	Land, bottom.
	Soil. Sandy loam 1st rate.
	No timber.
	N 89°.56' E. on a true line between Secs. 4 & 33. Va 16°.34' E.
	Enter bottom
14.00	Leave field
14.50	County road, Nephi to Manti. Course N & S.
	Enter dense undergrowth, Gradual ascent.
26.50	Gulch 10 ft. deep 1 chain wide, course S.W.
40.00	No trace of old corner, Set a Sandstone 12×10×6 ins. 8 ins. in the ground for ¼ sec. Cor. marked ¼ on N. face; dug pits 18×18×12 ins. E & W. of stone 5½ ft. dist. and raised a mound of earth 1½ ft. high 3½ ft. base alongside.
58.00	Road, course N & S. leave bottom, ascend.
64.75	Ditch 10 lks wide. course N. E.
78.50	Top of ridge, course N & S. about 100 ft. above bottom, descend.
80.00	Set a sandstone 24×20×14 ins. 18 ins. in the ground for cor. to Secs 3.4.33 & 34. marked 3 notches on E & W. edges; and raised a mound of stones 1½ ft. high, 2½ ft. base alongside. Pits impracticable.
	Land 58. chs bottom. 22 chs broken.
	Soil. 58. chs. Sandy 2nd rate. 22 chains

South boundary of T. 14. S. R. 3. E.

2 ams.	rocky. 4th rate.
	No timber, dense undergrowth on 65.50 chs
	N 89° 56' E. on a true line between Secs 3 and 34,
	Ja 16°. 34' E.
	Leave undergrowth, descend about 40 ft: to
9.00	Ravine, course N. ascend about 50 ft: to
14.00	Top of ridge, course N E & S. descend about 50 ft: to
17.50	Ravine, course N. ascend bluffs.
21.00	Top of bluffs 50 ft: high. Enter flat;
34.00	Leave flat; descend.
40.00	Set a sandstone 14 x 10 x 8 ins. 10 ins. in the ground for 1/4 Sec. Cor. marked 1/4 on N. face, and raised a mound of stones 1½ ft: high. 2 ft: base alongside. Pits impracticable.
50.10	Road, course N E & S. ascend gradually to
65.00	Top of ascent; descend steep hillside 100 ft: to
76.00	Enter flat, dense undergrowth.
80.00	No trace of old corner, Set a sandstone 15 x 10 x 5 ins. 10 ins. in the ground for cor. to. Secs 2. 3. 34 and 35. marked 4 notches on N. and 2 notches on E. edges; and raised a mound of stones 1½ ft: high. 2 ft: base alongside, Pits impracticable.
	Land, broken.
	Soil, Gravelly and Rocky 3rd rate.
	No timber, dense undergrowth on 4 chs,
	76. chains of line runs over mountainous land,
	N 89°. 56' E. on a true line between Secs 2 and 3.
	Ja 16°. 34' E.
	Enter dense undergrowth and scattering cedars, on fl,
2.00	Dry wash. 10 lks wide. course S.
40.00	No trace of old cor. Set a sandstone 12 x 10 x 5 ins. 8 ins. in the ground for 1/4 Sec. cor. marked 1/4 on N. face; dug pits 18 x 18 x 12 ins. E and N. of stone 5½ ft: dist: and raised a

South boundary of T. 14 S., R. 3 E.

Chains.	
	mound of earth 1½ ft: high. 3½ ft: base alongside.
49.08	Road, course N. & S.
57.15	Wood road, course N & S.
57.00	Leave flat; ascend about 50 ft: to
65.00	Top of ridge, course N & S. descend about 50 ft:
75.00	Enter flat;
80.00	Set a limestone 18×10×5 ins. 12 ins. in the ground for cor. to Secs 1. 2. 35 & 36, marked 5 notches on N. & 1 notch on E. edges; dug pits 18×18×12 ins. in each Sec. 5½ ft: dist, & raised a mound of earth 2 ft: high. 4½ ft: base alongside.
	Land, flat & broken.
	Soil, Sandy & Gravelly 3rd rate.
	Timber, Scattering Cedars, dense undergrowth on 80. chains.

N 89° 56' E. on a true line between Secs 1 & 36.

Va 16°. 34' E

	Enter Scattering Cedars. on flat.
1.20	Wood road, course N & S.
2.00	Dry wash, 100 lks wide 5 ft: deep. course E.
13.20	County road, Mt: Pleasant to Nephi, course N. W. & S. E.
17.00	Wood road course N & S.
40.00	Set a limestone 20×16×3 ins. 15 ins. in the ground, for ¼ Sec. Cor. marked ¼ on N. face; and dug pits 18×18×12 ins. E & W. of stone 5½ ft: dist: raised a mound of earth 1½ ft: high. 3½ ft: base alongside.
43.00	Ditch 10 lks wide, flows S 70° W.
79.30	Wood road, course N. & S. W. ascend to
80.00	The cor. to Townships 14 & 15 S. Ranges 3 & 4 E.
	Land, nearly level.
	Soil, Sandy 2nd rate.
	Timber Scattering Cedars.

Dec 16th 1894

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North boundary of T. 14 S. R. 2 E.

From the cor. to townships 16 and 14 S. ranges 2 and 3 E. as hereinbefore described Run West on a random line between townships 13 and 14 S. the variation of my Compass being 16°. 34' E. I set temporary half mile and mile corners at each 40 and 80 chains. and find the township line to be 6 miles and 4 lks long. and the falling to be 71 lks N. of the cor. to townships 13 and 14 S. ranges 2 and 3 E.

The correction for the true line will therefore be 12 lks S. and .04 lks West per mile and its course will be S 89°. 55' W.

From the corner to townships 13 and 14 S. ranges 2 and 3 East: as described in field notes furnished by the Surveyor General, I run N 89°. 55' E. on a resurvey line between Secs 6 & 31, To 16°. 34' E.

Enter bottom, and cultivated land,

14.60 Fence. Course N and S.

16.60 Fence. Course N and S.

20.00 Fence. Course N and S.

24.40 Fence. Course N and S. Leave cultivated land

26.00 House. bears N. 30 lks dist:

26.00 Leave bottom. ascend.

33.00 Gulch, 20 ft: deep. course S. ascend.

40.04 The 1/4 Sec. cor. on line, which is a sandstone 10 x 8 x 6 ins. above ground, marked and witnessed as described in field notes furnished by the Surveyor General.

40.06 Fence. Course N and S. Enter Cedars.

60.00 Point of ridge. about 200 ft: above bottom, course S. descend. about 80 ft. to

63.00 End of former Survey.

80.04 Set a sandstone 16 x 12 x 10 ins. 11 ins. in the ground. for cor. to Secs 5. 6. 31 and 32. marked 1 notch on N. and 5 notches on E. edges; and raised a mound of stones 1½ ft: high. 2 ft: base alongside. Pits impracticable.

Land. 26 chains. bottom. Soil. sandy 2nd rate,

Land, 54.04 chains. broken. Soil. Rocky 3rd rate.

Timber. Scattering Cedars on 39.98 chains.

North boundary of T. 14 S. R. 3 E.

rains	
	54.04 chains of line runs over mountainous land.
	D 1 Jan 18 4
	N 89°.55' E. on a true line between Secs 5 & 32. Va 16°.34' E.
	Enter scattering cedars, descend about 50 ft. to
20.00	Enter ravine, course S.W.
21.05	Road, course N.E. & S.W.
27.12	Dry wash 50 lks wide, course S.W.
40.00	Set a sandstone 16×12×8 ins. 11 ins. in the ground for 1/4 Sec. Cor. marked 1/4 on N. face, and raised a mound of stones 1½ ft. high. 2 ft. alongside. Pits impracticable.
44.50	Leave ravine, ascend.
68.00	Top of Knoll, about 200 ft. above ravine.
70.00	Leave Knoll, descend.
79.00	Enter flat.
80.00	Set a sandstone 18×12×7 ins. 12 ins in the ground, for cor. to Secs 4, 5, 32 & 33, marked 2 notches on W. & 4 notches on E. edges; and raised a mound of stones 1½ ft. high. 2 ft. to alongside. Pits impracticable.
	Land, broken.
	Soil, Gravelly & Rocky 3rd rate.
	Timber, Scattering Cedars.
	Whole line runs over mountainous land.
	N 89°.55' E on a true line between Secs 4 & 33 Va 16°.34' E.
	Enter Scattering Cedars & dense undergrowth.
	Gradual descent.
5.00	Ravine, course S. ascend about 100 ft. to
27.00	Ridge, course N & S. descend.
20.00	Set a sandstone 16×13×8 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.
40.50	Ravine, course N.W. ascend bluffs.
60.00	Top of bluffs, about 200 ft. above ravine. gradual ascent.
70.00	Ridge, course N & S. descend about 100 ft. to

North boundary of T. 14. S., R. 3. E.

Chains	
79.00	Ravine. course N. ascend 6-
80.00	Set a sandstone 18x12x6 ins. 12 ins in the ground for cor. to Secs 3. 4. 33 & 34, marked 3 notches on E & W. edges; & raised a mound of stones 1½ ft. high. 2 ft. base, alongside. Pits impracticable.
	Land, broken.
	Soil, Rocky. 4th rate.
	Timber. Scattering Cedars. dense undergrowth on 80 chains.
	Whole line runs over mountainous land.
	N 89°.55' E. on a true line between Secs 3 & 34, Ja 16°.34' E.
	Enter scattering cedars & dense undergrowth, ascend
15.00	Top of bluff. 50 ft. high. descend.
16.00	Foot of bluff. descend gradually about 150 ft. to-
59.00	Ravine. course N. ascend.
40.00	Set a sandstone 14x12x8 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 alongside. Pits impracticable
61.00	Top of ascent; about 100 ft. above ravine, descend about 100 ft. to-
79.00	Ravine. course N. ascend. to-
80.00	Set a sandstone 16x12x8 ins. 10 ins. in the ground for cor. to Secs 2. 3. 34 & 35. marked 4 notches on W. & 2 notches on E. edges; and raised a mound of stones 1½ ft. high. 2 ft. base, alongside. Pits impracticable.
	Land, broken.
	Soil. Rocky 4th rate.
	Timber. Scattering Cedars. dense undergrowth on 80 chains.
	Whole line runs over mountainous land.
	N 89°.55' E. on a true line between Secs 2 & 35, Ja 16°.34' E.
	Enter scattering Cedars & dense undergrowth, ascend,
6.00	Ridge. about 50 ft. above Sec. Cor. course N & S.

North boundary of T. 14 S., R. 3 E.

	descend about 100 ft. to
20.00	Ravine, course S. ascend about 50 ft. to
26.00	Ridge, course N. E. and S. descend about 100 ft.
35.50	Gulch, course S. ascend.
40.00	Set a Quartzite stone 15 x 14 x 6 ins. 10 ins. in the ground for 1/4 Sec. Cor., marked 1/4 on N. face, and raised a mound of stones 1½ ft. high, 2 ft. base alongside. Pits impracticable.
79.70	Rocky ridge, about 150 ft. above 1/4 Sec. Cor., course N. W. and S. E.
80.00	Set a Quartzite stone 16 x 10 x 5 ins. 11 ins. in the ground for Cor. to Secs. 1, 2, 35 and 36, marked 3 notches on W. and 1 notch on E. edge, and raised a mound of stones 1½ ft. high, 2 ft. base, alongside. Pits impracticable.
	Land, broken.
	Soil, Gravelly and Rocky of 2nd rate.
	Timber, Scattering Cedars, dense undergrowth on 80 chains.
	Whole line runs over mountainous land.
	N. 89° 55' E. on a true line between Secs. 1 and 36.
	Var. 16° 54' E.
	Enter dense undergrowth.
0.20	Descend about 100 ft. to
8.00	Ravine, course N., ascend about 60 ft. to
16.00	Top of ridge, course W. and S., descend about 50 ft. to
23.00	Ravine, course N., ascend about 100 ft. to
30.00	Top of ridge, course N. E. and S., descend about 100 ft. to
40.00	Set a sandstone 18 x 14 x 8 ins. 12 ins. in the ground for 1/4 Sec. Cor., marked 1/4 on N. face, and raised a mound of stones 1½ ft. high, 2 ft. base alongside. Pits impracticable.
	Descend about 100 ft. to
53.00	Bottom of Cañon, course N.
64.00	Dry wash, 20 lks. wide, 8 ft. deep, course N.
64.80	Leave Cañon, ascend about 200 ft. to
80.00	The Cor. to Townships 13 and 14 S., Ranges 3 and 4 East.

North boundary of T. 14 S. R. 5 E.

Land. broken.
Soil. Gravelly & Rocky. 6th rate.
No timber. Dense undergrowth on 80 chains.
Whole line runs over mountainous land.
Dec. 8th 1894.

Latitudes, Departures & Closing Errors.

Line designated as.	True bearing	Dist.	Latitudes North	Latitudes South	Departures East	Departures West
E. boundary	S 0°15' E	484.80		484.79	1.83	
S. boundary	S 89°56' W	480.00		.56		480.00
W. boundary	N 0°15' W	485.00	484.99			2.11
N. boundary	N 89°55' E	480.04	.69		480.04	
			485.68	485.35	481.87	482.11
			485.35			481.87
	Error in Lat.		.33		Error in Dep.	.24

Note: For General Description see sub-divisions of this township.

Edward W. Forbes
U.S. Dep. Surveyor

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List of Names.

A list of the names of the individuals employed by _____

_____, U. S. Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the survey of the _____

_____

_____

_____

_____

_____

_____

_____ Meridian, in _____ _____, showing the respective capacities in which they acted:

_____

_____

_____

_____

_____

_____

_____

_____

Final Oath of Assistants:

We hereby certify that we assisted _____

_____, U. S. Deputy Surveyor, in surveying all those parts or portions of the _____

_____

_____

_____

_____

_____

_____

_____ Meridian, _____, 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 U. S. Surveyor General for _____

_____

_____

_____

_____

_____

_____

_____

_____

Subscribed and sworn to before me this _____ day of _____, 18 .

SEAL

_____

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BOOK A-240

Final Oath of U. S. Deputy Surveyor.

I, ..., U. S. Deputy Surv
solemnly swear that, in pursuance of instructions received from .....
Surveyor General for ....., bearing date of the .....
....., 18 , I have well, faithfully, and truly, in my own proper person, and
conformity with the instructions furnished by the U. S. Surveyor General for .....
surveying manual, and the laws of the United States, surveyed all those parts or portions of .....

.....Meridian, in the ....., as are represented in t
going field notes as having been surveyed by me, and under my directions; and I do further solemnly swear
the corners of said survey have been established and perpetuated in strict accordance with the surveying
printed instructions, the special written instructions of the U. S. Surveyor General for.....
and in the specific manner described in the field notes, and that the foregoing are the true field notes of such
and should any fraud be detected, I will suffer the penalty of perjury under the provisions of an Act of
approved August 8, 1846.

.....
U. S. Deputy Su

Subscribed and sworn to before me this .....
day of ....., 18 .

SEAL

.....

Approval.

Office of the U. S. Surveyor General,
Salt Lake City Utah
June 29th, 189

The foregoing field notes of the survey of resurvey & the North & South Bound of Township 14 South Range 3 East of the Salt Lake Base & Meridian Utah

..... exec
Edward W Koeber
under his Contract No. 172, dated June 17th, 1890. having been cr
examined, the necessary corrections and explanations made, the said field notes, and the surveys they descril
hereby approved.

George W. Snow
U. S. Surveyor Gen

I certify that the foregoing transcript of the field notes of the above-described surveys in .....
....., has been correctly copied from the original notes on file in this office.

.....
U. S. Surveyor Gen

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Examined

(4—679.)

BOOK A-240

No. 3. 13.

FIELD NOTES

and recovery

OF THE SURVEY OF

Subdivisions of T. 14 S., R. 3 E.,

Of the Salt Lake Meridian,

Utah Territory

AS SURVEYED BY

Edward M. Cook, U. S. Deputy Surveyor,

Under his Contract No. 172, dated January 17th, 1890.

Survey commenced March 9th, 1894.

Survey completed March 30th, 1894.

(1202—2,000.)

BOOK A-240

Names and Duties of Assistants.

Arthur Pierce — Chairman

Fred. W. Ulmer — Chairman

F. L. Armstrong — Axeman

Clarence L. Carleton — Axeman

BOOK A-240

INDEX DIAGRAM.

Subdivisions of

Township 14 S., *Range* 3 E.

6	33 5	29 4	22 3	15 2	8 1
32 7	31 8	28 9	21 10	14 11	7 12
18	30 17	27 16	20 15	13 14	5 6 13
19	20	25 21	18 22	11 23	4 24
30	29	24 28	17 27	10 26	3 2 25
31	32	23 33	16 34	9 35	1 36

Meanders Page.....

Preliminary Oaths of Assistants.

We, _____

_____

_____

do solemnly swear that we will well and faithfully execute the duties of chain carriers; that we will level the over even and uneven ground, and plumb the tally-pins either by sticking or dropping the same; that we will r the true distance to all notable objects, and the true lengths of all lines that we assist in measuring, to the best o skill and ability, and in accordance with instructions given us in the survey of the _____

_____

_____

_____

_____

_____, *Chainm*

_____, *Chainm*

_____, *Chainm*

_____, *Chainm*

Subscribed and sworn to before me this _____ day of _____, 18 .

_____

_____

We, _____

_____

do solemnly swear that we will well and truly perform the duties of axemen in the establishment of corners and duties, according to instructions given us, and to the best of our skill and ability, in the survey of the _____

_____

_____

_____

_____

Subscribed and sworn to before me this _____ day of _____, 18 .

_____, *Axem*

_____, *Axe*

_____

_____

_____

Subdivisions of T. 14 S., R. 3 E.

Chains

Survey commenced Dec. 19th 1894.

From the cor. to Secs 1. 2. 35 & 36. on S. boundary of township as herein before described I run N 0°. 12' W. between Secs 35 & 36.
Va 16°. 34' E.

Enter scattering cedars. on flat;

5.00 County road. Mt. Pleasant to Nephi. course N.W. & S.E. in dry wash 40 lks wide course S.E.

10.00 Leave flat; ascend

30.00 Ridge 30 ft. high. course E & W. descend.

40.00 Set a sandstone 16 x 14 x 12 ins. 11 ins. in the ground for 1/4 Sec. Cor. marked 1/4 on W. face: dug pits 18 x 18 x 12 ins. N. & S. of stone 5½ ft. dist. & raised a mound of earth 1½ ft. high. 3½ ft. base alongside.

40.70 Dry gulch 20 lks wide. course S.W. enter flat;

46.40 Wood road course N.E. & S.W. ascend about 30 ft. to

60.60 Ridge. course E & W. descend about 30 ft. to

78.80 Ravine. Course E. ascend

80.00 Set a limestone 18 x 10 x 4 ins. 12 ins. in the ground for cor. to Secs 25. 26. 35 & 36. marked 1 notch on S. & E. edges; raised a mound of stones 1½ ft. high. 2½ ft. base alongside. Pits impracticable.
Land, Mountainous & flat.
Soil. dandy & Rocky 3rd rate.
Timber, Scattering Cedars on 80. Chains.
70.00 Chs of line run over mountainous land.

N 89°. 56' E. on a random line between Secs 25 & 36
Va 16°. 34' E.

40.00 Set temporary 1/4 Sec. Cor.

80.02 Intersect E. boundary of township 79 lks S. of Cor. to Secs 30 & 31. T. 14 S. R. 4 E. Set a sandstone 18 x 12 x 8 ins. 12 ins. in the ground for closing Cor. to Secs 25 & 36, T. 14 S. R. 3 E. C.C. with marked 1 groove on S. & 6 grooves on N. faces; & raised a mound of stones 2 ft. high. 3 ft. base alongside. Pits impracticable. thence I run
S 89°. 56' W. on a true line between Secs 25 & 36
Va 16°. 34' E.

Enter scattering cedars, ascend about 20 ft. to

Subdivisions of T. 11 N. R. 3 E.

Chains	
5.00	Top of ridge, course N.W. and S.E. descend about 60 ft.
10.00	Enter flat.
20.00	Ascend about 100 ft.
30.00	Top of hill. enter flat.
35.00	Descend.
40.01	Set a limestone 12×12×6 ins. 8 ins. in the ground for 1/4 Sec. cor. marked 1/4 on N. face, and raised a mound of stones 1½ ft. high. 2 ft. base alongside, Pits impracticable.
45.00	Enter bottom of ravine. course S.
47.50	Road, course N. and S. ascend about 50 ft.
57.00	Ridge. course N and S. descend about 50 ft.
58.00	Ravine. course S.
58.20	Wood road. course N and S.
54.00	Dry wash 2. chains wide. 3 ft. deep, course S.
56.00	Ascend
62.50	Ridge. course N and S. gradual descent
72.00	Wood road, course N and S. Ascend.
80.02	The cor. to Secs 25. 26. 35 and 36. Land. Broken Mountains. Soil. Sandy and Rocky 2nd rate, Timber. Scattering Cedars. Whole line runs over mountainous land.

No. 12' W. between Secs 25 & 26.
Va 16° 54' E.

	Enter scattering cedars, ascend about 60 ft.
3.00	Ridge. course E and W. descend about 70 ft.
9.00	Foot of hill. gradual ascent
33.10	Wood road, course N.W. and S.E.
40.00	Set a granite stone 16×12×6 ins. 11 ins. in the ground for 1/4 Sec. cor. marked 1/4 on N. face, and raised a mound of stones 1½ ft. high. 2 ft. base alongside. Pits impracticable.
59.90	Wood road; course N.E. and S.W.
79.00	Top of ridge;
80.00	Set a sandstone 18×9×5 ins. 12 ins. in the ground for Cor. to Secs 25. 24. 26 and 26. marked 2 notches on S. and 1 notch on E. edges; and raised a mound of stones 1½ ft. high. 2 ft. alongside. Pits impracticable. Land, broken, mountains.

Subdivisions of T. 14 S. R. 3 E.

Chains.	
	Soil. Gravelly and Rocky 3rd rate.
	Timber. Scattering cedars.
	Whole line runs over mountainous land.
	N 89° 56' E. on a random line between Secs 24 & 25. Var. 16° 34' E
40.00	Set Temporary 1/4 Sec. Cor.
80.10	Intersect E. boundary of township 1 S & this S. of cor. to Secs 19 & 30 T. 14 S. R. 4 E. Set a sandstone 16 x 14 x 10 ins. 11 ins. in the ground for closing corner to Secs 24 & 25 T 14 S R 3 E. marked C C. with 2 grooves on S. and 4 grooves on N. faces; raised a mound of stones 2 ft. high. 3 ft. base alongside. Pits impracticable. Thence I run N 89° 56' W. on a true line between Secs 24 & 25.
	Var 16° 34' E.
	Enter dense undergrowth & scattering cedars. Ascend about 80 ft. to
8.00	Top of rocky ridge. Course N & S. descend about 100 ft. to
24.50	Ravine, course S.
25.00	Wood road, course N & S.
25.50	Dry wash, 30 lks wide. 10 ft. deep, course S.
40.05	Set a sandstone 14 x 10 x 8 ins. 10 ins. in the ground for 1/4 Sec. Cor. marked 1/4 on N. faces, dug pits 18 x 18 x 12 ins. E & W. of stone 5 1/2 ft. dist. & raised a mound of earth 1 1/2 ft. high. 3 1/2 ft. base alongside.
41.00	Leave ravine, ascend gradually,
52.00	Spring bears N. 2.50 chains, flows S.
54.00	Corral, bears S. 45 lks. dist.
75.50	Wood road, course N. & S. Enter top of ridge.
80.10	The cor. to Secs 23. 24. 25 & 26.
	Land, broken mountains.
	Soil. Gravelly and Rocky 3rd rate.
	Timber. Scattering cedars. Dense undergrowth on 80.10 chains.
	Whole line runs over mountainous land.

Subdivisions of T. 14 S. R. 3 E.

Chains	
	N 0° 14' W. between Secs 23 & 24. Da 16° 34' E
	Enter scattering cedars, descend about 100 ft. to
26.50	Ravine, course S.W.
32.60	Dry wash, 15 lks wide, course S.W.
33.60	Wood road, course N.E. & S.W.
35.00	Ascend
40.00	Set a flint stone 20 x 12 x 8 ins. 15 ins. in the ground for 1/4 Sec. cor. marked 1/4 on W. face, and raised a mound of stones 1½ ft. high. 2 ft. base alongside. Pits impracticable descend about 50 ft.
57.00	Enter flat;
65.00	Leave flat; ascend along E. slope of high mountain.
76.00	Top of Ridge about 150 ft. above flat; course E. & W. descend to
78.00	Ravine, 50 ft. deep, course E. ascend.
80.00	Set a limestone 24 x 18 x 6 ins. 18 ins. in the ground for cor. to Secs 13. 14. 23 & 24, marked 3 notches on S. & 1 notch on E. edges; and raised a mound of stones 1½ ft. high. 2 ft. base, along side. Pits impracticable. Land, broken mountains Soil, Gravelly & Rocky 3rd rate. Timber, scattering cedars. Whole line runs over mountainous land.
	N 89° 56' E. on a random line between Secs 18 & 19 Da. 16° 34' E.
40.00	Set Temporary 1/4 Sec. cor.
80.08	Intersect E. boundary of township 2.38 chs S. of cor. to Secs 18 19 20 21. T. 14 S. R. 4 E. Set a 18 x 11 x 7 ins. 12 ins. in the ground for closing corner to Secs 13 & 24, T. 14 S. R. 3 E. marked C.C. with 3 grooves on N. & S. faces; and raised a of stones 2 ft. high. 3 ft. base alongside. Thence I run S 89° 56' W. on a true line between Secs 13 & 24 Da 16° 34' E.
	Enter scattering Cedars, ascend gradually,
34.50	Foot of steep hill, ascend about 150 ft. to

Subdivisions of U. 14. S. R. 3. E.

Chains.	
39.10	Top of hill. descend.
40.04	Set a sandstone 14×10×8 ins. 10 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	Ravine. about 200 ft. below top of hill. course S.
56.00	Dry wash 20 lks wide. 10 ft. deep. course S.
56.80	Wood road. course N & S. ascend.
63.00	Ridge. 100 ft. high. course N & S. descend.
66.00	Ravine. course S.
67.50	Wood road. course N & S.
70.00	Dry wash 50 lks wide. course S. ascend about 100 ft.
80.08	The cor. to Secs 13. 14. 23 & 24.
	Land, broken mountains.
	Soil. Sandy & Rocky 3rd rate.
	Timber. Scattering Cedars.
	Whole line runs over mountainous land.
	Dec 19th 1894
	No. 14' W. between Secs 13 & 14.
	Va 16°. 34' E.
	Enter scattering Cedars. ascend about 100 ft. to-
10.40	Ridge. course E & N. descend about 60 ft. to-
20.50	Ravine. course E. ascend about 50 ft.
32.00	Top of ridge, course E & N. Wood road course E & N. descend about 100 ft. to
34.50	Ravine. course E. ascend about 50 ft. to-
38.60	Ridge. course E & N. descend about 50 ft. to-
44.60	Ravine. course E. ascend
47.70	Foot of Bluff 80 ft. high. ascend
50.00	Set a sandstone 16×11×8 ins. 11 ins. in the ground for 1/4 Sec. Cor. marked 1/4 on N. face; and raised a mound of stones 1½ ft. high. 2 ft. base alongside. pits impracticable.
63.00	Top of ridge of mountain. course E & N. gradually about 75 ft. to-
72.00	Ravine. course N. ascend about 100 ft. to-
78.00	Ridge. course E & N. gradual descent-
80.00	Set a sandstone 20×14×10 ins. 15 ins. in the ground for cor. to Secs 11. 12. 13 & 14. marked 4 notches on S. & 1 notch on E. edges; & raised a mound of stones 1½ ft. high. 2 ft. base

Subdivisions of T. 14 S. R. 3 E.

Chains.	
	along side, pits impracticable.
	Land, broken mountains.
	Soil, Gravelly & Rocky 3rd rate.
	Timber, scattering cedars.
	Whole line runs over mountainous land.
	N 89° 56' E. on a random line between secs. 12 & 13, Va 16° 34' E.
40.00	Set Temporary 1/4 Sec. Cor.
80.04	Intersect E. boundary of township 3.24 chains S. of cor. 6 secs. 7 & 18, T. 14 S. R. 4 E. Set a sandstone 18 x 12 x 8 ins. 12 ins. in the ground for closing cor. 6 secs. 12 & 13, T. 14 S. R. 3 E. marked C. C. with 4 grooves on S. and 2 grooves on N. faces; and raised a mound of stones 2 ft. high, 3 ft. base along side, pits impracticable. Thence I. run
	N 89° 56' W on a true line between secs. 12 & 13, Va 16° 34' E.
	Enter dense undergrowth & scattering cedars.
	Ascend about 150 ft. 6
20.00	Top of ridge, course N. and S. descend about 100 ft. 6
29.00	Enter flat;
35.00	Wood road, course N. W. and S. E.
40.02	Set a sandstone 14 x 12 x 10 ins. 10 ins. in the ground for 1/4 Sec. Cor. marked 1/4 on N. face, and raised a mound of stones 1½ ft. high, 2 ft. base alongside, pits impracticable.
42.00	Leave flat; ascend about 100 ft. 6
55.00	Top of ridge, course N. W. and S. E. descend about 150 ft. 6
63.00	Ravine, course S. ascend about 200 ft. 6
73.00	Top of ridge of mountain, course N. and S. descend about 150 ft. 6
80.04	The cor. 6 secs. 11, 12, 13 & 14.
	Land, broken mountains.
	Soil, Gravelly & Rocky 3rd rate.
	Timber, scattering Cedars, dense growth of Oaks and hazel brush on 80.04 chains.
	Whole line runs over mountainous land.

Subdivisions of T. 14 S. R. 3 E.

Chains.	
	No. 14' W. between Secs 11 and 12, Va 16°. 34' E.
	Enter dense undergrowth, descend gradually.
10.00	Wood road, course E & W. ascend gradually
40.00	Set a sandstone 18×12×10 ins. 12 ins. in the ground for 1/4 Sec. Cor. marked 1/4 on N. face; and raised a mound of stones 1½ ft. high, 2 ft. base alongside. pits impracticable.
42.00	descend gradually,
52.24	Wood road, course E & W. ascend along N. slope of high ridge,
80.00	Set a sandstone 18×14×10 ins. 12 ins. in the ground for cor. to Secs 1. 2. 11 & 12. marked 3 notches on S. & 1 notch on E. edges; & raised a mound of stones 1½ ft. high, 2½ ft. base alongside. Pits impracticable.
	Land, Broken & rolling mountains.
	Soil. Gravelly & Rocky of 2nd rate.
	No timber, dense undergrowth on 80 chains.
	Whole line runs over mountainous land.

	N 89°. 56' E. on a random line between Secs 1 & 12, Va 16°. 34' E.
40.00	Set Temporary 1/4 Sec. Cor.
79.98	Intersect E. boundary of township 4 N. 17 chains S. of cor. to Secs 6 & 7 T. 14 S. R. 4 E. Set a sandstone 16×15×12 ins. 11 ins. in the ground for closing cor. to Secs 1 & 12, T. 14 S. R. 3 E. marked C. C. with 3 grooves on S. & 1 groove on N. faces; and raised a mound of stones 2 ft. high, 3 ft. base alongside, pits impracticable, thence I run S 89°. 56' W. on a true line between Secs 1 & 12, Va 16°. 34' E.
	Enter dense undergrowth, ascend gradually
22.00	Top of ascent; descend about 50 ft. to
28.00	Ravine, course N. ascend gradually.
39.99	Set a sandstone 16×14×10 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.
44.00	Steeper ascent.

Subdivisions of T. 14. S. R. 3. E.

Chains.	
60.00	Top of rocky ridge of mountain about 400 ft. above Closing Corner, course N and S. descend about 300 ft. to
79.98	The cor. to Sec's 1. 2. 11 and 12.
	Land, high mountains,
	Soil, Gravelly and Rocky 3rd rate,
	No timber, Dense undergrowth on 79.98
	Whole line runs over mountainous land,
	No°. 14' W. on a random line between Sec's 1 and 2, Va 16°. 34' E.
40.00	Set temporary 1/4 Sec. Cor.
84.70	Intersect N. boundary of township at cor. to sec's 1. 2. 35 and 36. thence I run
	So°. 14' E. on a true line between Sec's 1 and 2, Va 16°. 34' E.
	Enter dense undergrowth, descend about 50 ft. to
6.00	Ravine, Course N.W. ascend about 200 ft. to
30.00	Top of mountain, course E and W. descend g
44.70	Set a sandstone 16×12×9 ins. 11 ins. in the g 1/4 Sec. cor. marked 1/4 on W. face; and raised of stones 1 1/2 ft. high. 2 ft. base along side.
	Pits impracticable,
74.00	Gulch 25 ft. deep. course W. ascend to
84.70	The cor. to Sec's 1. 2. 11 and 12.
	Land, broken mountains.
	Soil. Gravelly and Rocky 3rd rate.
	No timber, Dense undergrowth on 84.70. chains.
	Whole line runs over mountainous land.
	Dec 20th 18
	From the cor. to Sec's. 2. 3. 34 and 35. on S boundary, as hereinbefore described, I run
	No°. 14' W. between Sec's 34 and 35. Va 16°. 34' E.
	Enter dense undergrowth. gradual ascent on flat.
18.00	County road Mt. Pleasant to Nephi. course N. and S. E.
33.75	Wood road, course N.E. and S.W.
35.00	End of former survey, No trace of old corner.
36.00	Leave flat. ascend.
37.50	Ridge, 25 ft. high. course N.E. and S.W. descend.

Subdivisions of T. 14 S. R. 3 E.

ms.	
40.00	Set a limestone 15×10×6 ins. 10 ins. in the ground for ¼ Sec. Cor. marked ¼ on N. face; & dug pits 18×18×12 ins. N & S. of stone, 5½ ft. dist.; raised a mound of earth 1½ ft. high, 2 ft. base alongside.
41.00	Gulch, course W. ascend. about 50 ft. &
50.00	Ridge, course N. E & S. W. descend about 50 ft.
59.00	Ravine, course S. W. Enter flat;
59.80	Wood road, course N. E & S. W.
71.50	Dry wash 100 lks wide, course S. W.
78.80	Wood road, course N. E & S. W.
80.00	Set a limestone 16×12×10 ins. 11 ins. in the ground for cor. to Secs 26. 27. 34 & 35. marked 1 notch on S. & 2 notches on E. edges; dug pits 18×18×12 in each sec. 5½ ft. dist.; & raised a mound of earth 2½ ft. high. 4½ ft. base alongside. Land, broken & bottom. Soil, sandy 2nd rate. No timber, dense undergrowth on 80. chains.

N 89° 56' E. on a random line between Secs 26 & 35.
Va 16° 34' E.

40.00	Set temporary ¼ Sec. Cor.
80.00	Intersect N & S. line at cor. to Secs 25. 26. 35 & 36. thence I run S 89° 56' W. on a true line between Secs 26 & 35 Va 16° 34' E.
	Enter dense sage brush & scattering Cedars.
	Gradual ascent about 70 ft. &
12.50	Ridge course N & S. descend about 50 ft. &
18.00	Ravine, course S. W.
18.50	Wood road, course N & S.
32.00	Ascend
33.50	Ridge about 50 ft. high, course N. E & S. W. descend
36.00	Enter flat;
40.00	Set a Quartzite 16×8×6 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.
60.00	Dry wash 20 lks wide, course S. W.
78.50	Wood road, course N. E. & S. W. Ascend &
80.00	The cor. to Secs 26. 27. 34 & 35.

Subdivisions of T. 14 S. R. 3 E.

Chains.	
	Land. Broken and bottom.
	Soil. Sandy and Rocky 3rd rate.
	Timber. Scattering Cedars, dense growth of Sage brush on 80. Chains.
	No. 1/4 W. between Secs 26 and 27.
	Va 16°. 34' E.
	Enter undergrowth and scattering Cedars. Ascend broken hills.
39.00	Top of Knoll 100 ft: above Sec. cor. gradual dec.
40.00	Set a Flint rock 15 x 18 x 6 ins. 10 ins. in the ground for 1/4 Sec. Cor. marked 1/4 on W. face; and raised a mound of stones 1½ ft: high. 2 ft: base alongside. Pits impracticable.
43.80	Wood road, course N. E. and S. W.
66.00	Gulch, course N. ascend.
80.00	Set a boulder 16 x 10 x 6 ins. 11 ins. in the ground for 1/4 Secs 22. 23. 26 and 27. marked 2 notches on S. and E. edges; and raised a mound of stones 1½ ft: high 2½ ft: base alongside. Pits impracticable.
	Land, broken.
	Soil, Gravelly and Rocky 3rd rate.
	Timber, Scattering Cedars. dense undergrowth on 80. chains.
	Whole line runs over low mountains.
	N 89°. 56' E. on a random line between Secs 23 and 24
	Va 16°. 34' E.
40.00	Set Temporary 1/4 Sec. Cor.
79.96	Intersect N. and S. lines at cor. to Secs 23. 24. 25. 26. thence S. run
	S 89°. 56' W. on a true line between Secs 23 and 24
	Va 16°. 34' E.
	Enter dense undergrowth and scattering Cedars. descend about 40 ft: to
3.00	Enter flat.
13.00	Dry wash 50 lks wide. course S. W.
19.25	Wood road. course N. E. and S. W.
28.50	Dry wash 10 lks wide. course S.
32.00	Wood road. course N. W. and N. E. ascend about 50
39.00	Top of ridge, course N. W. and S. E. descend

Subdivisions of T. 14. S. R. 3. E.

Chains.	
39.98	Set a sandstone 16×8×8 ins. 11 ins. in the ground for ¼ Sec. Cor. marked ¼ on N. face; dug hole 18×18×12 ins. E. & W. of stone 5½ ft. dist: & raised a mound of earth 2 ft. high. 3½ ft: base alongside.
41.50	Enter flat.
48.60	Wood road, course N.W. and S.E. ascend,
55.50	Top of knoll about 60 ft: high, descend gradually on W. slope of ridge.
56.50	Wood road, course N and S.
79.96	The cor. to secs 22. 23. 26 and 27.
	Land, broken and bottom.
	Soil, Gravelly 2nd rate,
	Timber, scattering Cedars, dense undergrowth on 79.96 chains.

N 0° 14' W. between Secs 22 and 23.

Da 16° 34' E.

Enter dense undergrowth and scattering Cedars. descend 30 ft. to

6.00	Gulch, course W. ascend about 80 ft. to
13.60	Top of ridge. course E and W. descend,
18.00	Ascend
24.00	descend,
30.50	Ravine, course S.W.
36.00	Ridge, course N E and S W. descend about 60 ft. to
39.00	Ravine, course S.W. Enter flat;
40.00	Set a Quartzite 21×15×12 ins. 15 ins. in the ground for ¼ Sec. Cor. marked ¼ on N. face; dug hole 18×18×12 ins. N and S. of stone 5½ ft. dist: & raised a mound of earth 1½ ft. high. 3½ ft. base alongside.
42.80	Dry wash, 25 lks wide, course S.W.
48.50	Leave flat; ascend, along W. slope of ridge.
74.00	Descend about 100 ft. from ridge, course S.W.
77.00	Ravine, course S.W. ascend,
80.00	Set a Sandstone 14×12×10 ins. 10 ins. in the ground for cor. to secs 14. 15. 22 and 23. marked 3 notches on S. and 2 notches on E. edges; and raised a mound of stones 1½ ft. high 2 ft. base alongside. Pits impracticable.
	Land, broken mountains.
	Soil: Gravelly & Rocky 3rd rate.
	Timber, Scattering Cedars. dense undergrowth on 80. chs

Subdivisions of T. 14 S. R. 3 E.

Chains.	
	Whole line runs over mountainous land.
	N 89° 36' E. on a random line between Secs 14 and 23.
	Va 16° 34' E.
40.00	Set Temporary 1/4 Sec. Cor.
79.98	Intersect W. B. Line 7 lks S. of cor. to Secs 13. 14. 23 and 24. Thence I run
	S 89° 58' W. on a true line between Secs 14 and 23.
	Va 16° 34' E.
	Enter dense undergrowth and scattering Cedars. ascend about 160 ft. to
20.00	Top of ridge. course N and S. Enter flat;
26.75	Wood road. course N and S. descend about 150 ft. to
37.50	Enter bottom.
39.99	Set a sandstone 12 x 10 x 8 ins. 8 ins. in the ground for 1/4 Sec. Cor. marked 1/4 on N. face; dug pits 18 x 18 x 12 ins. & E and W. of stone 5 1/2 ft. dist. and a mound of earth 1 1/2 ft. high. 3 ft. base alongside
43.80	Wood road. course N.W. and S.E.
57.50	Dry wash. 250 lks wide. 3 ft. deep. course S.E.
	Ascend.
68.00	Ridge. 200 ft. high. course N.W. and S.E. descend.
74.00	Ravine. course S. ascend about 60 ft. to
79.98	The cor. to Secs 14, 15, 22 and 23.
	Land, broken and bottom.
	Soil. Gravelly and Rocky 3rd rate.
	Timber. Scattering Cedars, dense undergrowth
	on 79.98 chains. 59.98 chs of line runs over mountainous
	2nd 189,
	N 0° 14' W. between Secs 14 and 15.
	Va 16° 34' E.
	Enter dense undergrowth and scattering Cedars. ascend
	about 50 ft. to
8.50	Top of ridge, course N.E. and S.W. descend about 50
18.00	Gulch. course S.W. ascend about 150 ft. to
26.00	Ridge, Course N.E. and S.W. descend.
40.00	Set a sandstone 16 x 10 x 6 ins. 11 ins. in the g
	for 1/4 Sec. Cor. marked 1/4 on W. face; and raised a
	mound of stones 1 1/2 ft. high, 2 ft. base alongside
	Pits impracticable —

Subdivisions of T. 14 S. R. 3. E.

Chains	
43.50	Ravine. Course N. & E. Ascend about 100 ft. to
59.00	Ridge. Course N. & W. & N. W. descend along E. slope of mountains.
68.50	Gulch. Course N. E. ascend.
77.00	Ridge, course N. & W. & N. W. descend.
79.30	Wood road, course N. & W. & N. W. ascend.
80.00	Set a Quartzite stone 16×8×6 ins. 11 ins. in the ground for cor. to Secs 10. 11. 14 & 15; marked 4 notches on N. & 2 notches on E. edges; and raised a mound of stones 1½ ft. high. 2 ft. base alongside. Pits impracticable. Land, broken mountains. Soil. Gravelly & Rocky 3rd rate. Timber. Scattering Cedars, dense undergrowth on 80 chains. Whole line runs over mountainous land.

N 89° 53' E. on a random line between Secs 11 & 14. Va 16° 34' E.

40.00	Set Temporary ¼ Sec. Cor.
80.00	Intersect N. & S. line 14 lks S. of cor. to Secs 11. 12. 13 & 14. thence I sum

S 89° 47' W. on a true line between Secs 11 & 14. Va 16° 34' E.

	Enter, dense undergrowth & Scattering Cedars. Ascend about 100 ft. to
15.00	Ridge, course N. & S. descend about 150 ft. to
37.00	Ravine, course S. Enter flat;
40.00	Set a sandstone 14×10×6 ins. 10 ins. in the ground for ¼ Sec. Cor. marked ¼ on N. face; dug pits 18×18×12 ins. E. & W. of stone 5½ ft. dist. & raised a mound of earth 1½ ft. high 3½ ft. base alongside.
43.50	Wood road, course N. & S. ascend about 100 ft. to
63.00	Top of ridge, course N. & S. descend to
80.00	The cor. to Secs 10. 11. 14 & 15. Land, broken mountains Soil Rocky 4th rate. Timber, Scattering Cedars. dense undergrowth on 80. chs Whole line runs over mountainous land

Subdivisions of T. 14 S. R. 3 E.

Chains	
	No. 14 W between Secs 10 & 11.
	Va 16° 34' E.
	Enter dense undergrowth & scattering Cedars. Ascend about 100 ft. to
10.50	Ridge, course E & W. descend about 60 ft. to
17.00	Gulch, course N.W. ascend along W. slope of Mountain.
40.00	Set a sandstone 18×12×6 ins. 12 ins. in the ground for 1/4 Sec. cor. marked 1/4 on W. face; and raised a mound of stone 1½ ft. high 2 ft. base alongside. Pits impracticable.
	Descend gradually.
48.00	Ravine. course W. ascend about 150 ft. to
58.00	Ridge. course E & W. descend about 180 ft. to
69.00	Ravine. course S.W. ascend to
80.00	Set a white limestone 24×16×8 ins. 16 ins. in the ground for cor. to Secs 2. 3. 10 & 11. marked 5 notches on S. and 2 notches on E. edges; and raised a mound of stones 1½ ft. high. 2½ ft. base alongside. Pits impracticable.
	Land. broken mountains.
	Soil. Rocky, 4th rate.
	Timber. Scattering Cedars. dense undergrowth on 80. chains.
	Whole line runs over mountainous land.
	N 89° 47' E. on a random line between Secs 2 & 11.
	Va 16° 34' E.
40.00	Set temporary 1/4 Sec. Cor.
80.04	Intersect N & S. line at cor. to Secs 1. 2. 11 & 12. thence I run
	S 89° 47' W. on a true line between Secs 2 & 11.
	Va 16° 34' E.
	Enter undergrowth, descend
3.00	Wood road, course N & S.
6.75	Ravine about 60 ft. below Sec. cor. course S. ascend.
15.80	Wood road, course N. E & S. W. Enter scattering cedars.
25.00	Top of ridge of mountain, course N & S.
27.50	Descend steep side of mountain about 250 ft. to
39.00	Enter flat.
40.02	Set a sandstone 16×14×6 ins. 12 ins. in the ground

Subdivisions of T.14.S. R.3.E.

Chains.	
	for 1/4 sec. cor. marked 1/4 on N. face; and raised a mound of stones 1½ ft. high, 2 ft. base alongside. Pits impracticable.
49.00	Wood road, course N.E. and S.W. ascend 100 ft. to
72.00	Ridge, course N and S. descend to
80.04	The cor. to Secs 2.3.10 and 11.
	Land, broken mountains.
	Soil, Rocky, 4th rate.
	Timber. Scattering Cedars on 64.24 chs. undergrowth on 80.04 chains.
	Whole line runs over mountainous land.
	No°.14' W. on a random line between Secs 2 and 3. Va 16°.34' E.
40.00	Set temporary 1/4 sec. cor.
84.84	Intersect N. boundary of township 12 lks west of cor. to Secs 2.3.34 and 35. thence I run
	So°.04' E. on a true line between Secs 2 and 3. Va 16°.34' E.
	Enter undergrowth, descend about 200 ft. to
29.00	Ravine, course West. ascend about 50 ft. to
33.00	Ridge, course E and W. descend about 70 ft. to
36.00	Ravine, course N.W. ascend,
44.84	Set a sandstone 16×14×10 ins. 11 ins. in the ground for 1/4 sec. cor. marked 1/4 on W. face; and raised a mound of stones 1½ ft. high. 2 ft. base alongside, Pits impracticable. Enter scattering cedars,
57.00	Ridge, course E and W. about 150 ft. above last ravine, descend gradually about 100 ft. to
84.84	The cor. to Secs 2.3.10 and 11.
	Land, broken mountains.
	Soil, Rocky, 4th rate.
	Timber, Scattering Cedars on 44.84 chains. Undergrowth on 84.84 chains.
	Whole line runs over mountainous land.
	Dec 22nd 1894.
	From the cor. to Secs 3.4.33 and 34. on S. boundary of township as hereinbefore described I run No°.15' W. between Secs 33 and 34. Va 16°.34' E.
	Enter dense undergrowth, descend about 50 ft. to

Subdivisions of T. 12 S. R. 8 E.

Chains.	
15.00	Ravine, course W. ascend about 100 ft. 6
25.00	Top of Ridge. Enter flat;
30.00	Descend
40.00	Set a sandstone 16×12×6 ins. 11 ins. in the ground for 1/4 Sec. Cor. marked 1/4 on W. face and raised a mound of stones 1½ ft. high. 2 ft. base alongside, Pits impracticable.
48.00	Enter flat;
48.50	Road, course N. & S.
51.80	Dry wash 12 chs wide, 6 ft. deep, course W.
54.60	County road Mt. Pleasant to Nephi, course E. & W. ascend about 30 ft. 6
80.00	No trace of old corner, Set a sandstone 20×14×8 ins. 16 ins. in the ground for cor. to Secs 27. 28 33 & 34. marked 1 notch on S. and 3 notches on E. edges; and raised a mound of stones 1½ ft. high. 2 ft. base alongside, Pits impracticable, Land, broken, Soil, Rocky and gravelly. 3rd rate, No timber, dense undergrowth on 80 chains.
	N 89° 56' E. on a random line between Secs 27 & 34 Va 16° 34' E.
9.00	No trace of old corner.
40.00	Set Temporary 1/4 Sec. Cor.
51.04	Intersect N. & S. Lines at cor. to Secs 26. 27. 34 & 35. thence I run
	S 89° 56' W. on a true line between Secs 27 & 34. Va 16° 34' E.
	Enter dense undergrowth & scattering cedars, ascend about 80 ft. 6
3.00	Ridge, Course N. & S. descend gradually
12.00	Wood road, course N. & S.
13.50	Ravine, course E. ascend,
29.00	Ridge, 50 ft. high, course N. & S. descend.
33.75	Wood road, course N. & S.
55.00	Ravine 50 ft. deep course E. ascend.
60.02	Set a sandstone 16×14×10 ins. 11 ins. in the ground for 1/4 Sec. Cor. marked 1/4 on N. face; and raised a mound of Stones 1½ ft. high. 2½ ft. base alongside Pits impracticable.
43.00	Ridge, course N. & S. descend about 80 ft. 6

Subdivisions of T. 14.5. R. 5. E.

Chains
65.00 Ravine, course S. ascend, to
80.04 The cor. to Secs 27.28.33 & 34.
Land, broken,
Soil. Gravelly & Rocky. 3rd rate.
Timber. Scattering cedars. dense undergrowth on 80.04 chains.

N 0°.15' W. between Secs 27 & 28.
Va 16°.34' E.
Enter dense undergrowth. Ascend about 20 ft. to
11.00 Top of ascent. descend about 40 ft. to
18.00 Enter bottom.
21.10 Ditch 4 lks wide, course S.W.
39.90 Wood road, course N.E. & S.W.
40.00 No trace of old corner, Set a sandstone 12x10x8 ins. 8 ins. in the ground for 1/4 Sec. Cor. marked 1/4 on W. face; dug pits 18x18x12 ins. N & S. of stone 5 ft. dist. & raised a mound of earth 1 ft. high. 3 ft. base alongside.
46.18 Dry wash 10 lks wide, course S.W.
54.20 Wood road, course N.E. & S.W.
67.00 No trace of old corner.
80.00 Set a sandstone 12x10x8 ins. 8 ins in the ground for cor. to Secs 21.22.27 & 28. marked 2 notches on S. & 3 notches on E. edges; dug pits 18x18x12 ins. in each Sec. 5 ft. dist. and raised a mound of earth 2 ft. high. 4 ft. base alongside.
Land, bottom on 62 chs. 18 chs broken
Soil. Sandy. 2nd rate.
No timber. dense undergrowth on 80. chains.

N 89°.57' E. on a random line between Secs 22 & 27
Va 16°.34' E.
40.00 Set temporary 1/4 Sec. Cor.
80.00 Intersect N & S. line at cor. to Secs 22.23.26 & 27.
thence I run
S 89°.57' W. on a true line between Secs 22 & 27.
Va 16°.34' E.
Enter dense undergrowth & scattering cedars. descend about 20 ft. to
12.00 Enter flat.
13.80 Dry wash 30 lks wide. course S.W.

506 Subdivisions of T.14.S. R.3.E.

Chains.	
36.80	Dry wash 25 lks wide, course S.W.
37.80	Dry wash 20 lks wide, course S.W.
38.25	Wood road, course N.E & S.W.
40.03	Set a sandstone 16x14x8 ins. 11 ins. in the ground for 1/4 Sec. Cor. marked 1/4 on N. face; dug pits 18x18x12 ins. E & W of stone 5½ ft: dist: and raised a mound of earth 1½ ft: high. 3½ ft: base alongside.
48.00	Leave flat- ascend.
60.00	Top of hill about 60 ft: high. descend.
75.00	Enter flat.
76.75	Wood road, course N & S.
80.06	The cor. to Secs 21. 22. 27 & 28.
	Land, bottom on 41.06 chs. 39. chs broken.
	Sandy 2nd rate.
	Timber. Scattering Cedars. dense undergrowth on 80.06. chains.
	N 0°.15' W. between Secs 21 & 22.
	N 16°.34' E.
	Enter dense undergrowth, on bottom.
5.50	Wood road, course N.E & S.W.
39.10	Dry wash 20 lks wide. course S.W.
40.00	Set a sandstone 16x14x10 ins. 12 ins. in the ground for 1/4 Sec. cor. marked 1/4 on N. face; dug pits 18x18x12 ins. N & S. of stone 5½ ft: dist: & raised a mound of earth 1½ ft: high. 3½ ft: base alongside.
42.00	Leave bottom, ascend
52.00	Top of hill about 60 ft: high. descend.
67.00	Enter bottom.
74.25	Dry wash. 20 lks wide, course W.
78.10	Dry wash 1.00 chain wide. course W.
80.00	Set a sandstone 18x16x10 ins. 12 ins. in the ground for cor. to Secs 15.16.21 & 22. marked 3 notches on S. & E. edges; dug pits 18x18x12 ins. in each Sec. 5½ ft: dist: and raised a mound of earth 2 ft; high, 4½ ft: base alongside.
	Land 57. chs bottom. 23. chs broken.
	Soil. Sandy & Gravelly. 3rd rate.
	No timber, dense undergrowth on 80. chains.

Subdivisions of T. 14 S. R. 3 E.

Chains	
	N 89°.56' E. on a random line between Secs 15 & 22.
	Va 16°.34' E.
40.00	Set Temporary ¼ Sec. Cor.
80.04	Intersect N & S. Line at cor. to Secs 14, 15, 22 & 23. Thence I run
	S 89°.56' W. on a true line between Secs 15 & 22.
	Va 16°.34' E.
	Enter dense undergrowth & scattering Cedars, ascend about 80 ft. ±
4.00	Top of ridge, course N & S. descend about 100 ft. ±
14.00	Ravine course E & W. ascend about 80 ft. ±
16.00	Top of ascent; descend gradually
35.00	Enter bottom, leave cedars.
40.02	Set a sandstone 16 x 8 x 6 ins. 11 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.
41.75	Wood road, course N & S.
42.50	Dry wash 50 lks wide. course S.
47.50	Dry wash 50 lks. wide course S.
50.00	Leave bottom, ascend.
57.00	Point of ridge. 25 ft. high. course S. descend.
64.00	Enter bottom.
65.10	Dry wash 20 lks wide. course E & W.
70.80	Wood road. course N. E & S W.
80.04	The cor. to Secs 15. 16. 21 & 22.
	Land 31.04 chs bottom, 49. chs broken.
	Soil. Gravelly & Rocky 3rd rate.
	Timber. Cedars on 35. chains. dense undergrowth on 80.04 chains.
	Dec 24th 1894.

Note: At the S. E. corner of Sec. 16. I observed Polaris at 1.12 A.M. the local mean time for eastern elongation. and find its magnetic bearing to be N 14°.58' W.

North end of needle	14°.58' E. ✓
The azimuth of Polaris	1°.38' E. ✓
The sum is the Variation	16°.36' E ✓

Subdivisions of T. 12 S. R. 3 E.

I now lay off by the horizontal limb the
of the Star 1° 38' to the west and for
future reference mark the true meridian so determined by driving a picket on the line 2 ch
North of the corner

Dec. 2 A.D. 1894.

N 0° 15' W between Secs 15 & 16
Va 16° 36' E.

Enter dense undergrowth, ascend.
4.00 Left of hill. about 40 fl: high. descend.
5.20 Enter bottom.
10.70 Dry wash 30 lks wide. course S.W.
17.25 Dry wash 30 lks wide, course S.W.
33.50 Leave bottom, ascend, Enter scattering Cedars,
40.00 Set a sandstone 18×15×7 ins. 12 ins. in the ground for 1/4 Sec. Cor. marked 1/4 on W. face; and raised a mound of stones 1½ fl: high, 2 fl: base alongside. Pits impracticable.
47.00 Ridge, 60 fl: high. course E & W. descend,
64.00 Ravine course N. ascend 100 fl: to
71.00 Ridge. course E & W. descend
80.00 Set a limestone 16×12×4 ins. 11 ins. in the ground for cor. to Secs 9. 10. 15 & 16, marked 4 notches on S. & 3 notches on E. edges; and raised a mound of stones 1½ fl: high, 2½ fl: base alongside. Pits impracticable.
Land. 28.50 chs bottom, 51.70 chs broken,
Soil. Gravelly & Rocky, 3rd rate.
Timber. Cedars on 46.50 chs, dense undergrowth on 80. chains.

N 89° 56' E. on a random line between Secs 10 & 15,
Va 16° 36' E.
40.00 Set Temporary 1/4 Sec. Cor.
80.00 Intersect N. & S. line 5 lks N. of cor. to Secs 10. 11. 14 & 15; thence I run
S 89° 58' W. on a true line between Secs 10 & 15,
Va 16° 36' E.
Enter dense undergrowth & scattering cedars, on flat;
16.80 Dry wash 20 lks wide, course S.W.
22.50 Leave flat: ascend

Subdivisions of T. 14. S. R. 3. E.

Chains	
28.70	Wood road, course N. E. & S. W.
30.50	Point of ridge, 50 ft. high. descend.
38.00	Enter flat;
40.00	Set a sandstone 20 x 16 x 12 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.
42.05	Wood road, course N. & S.
43.00	Leave flat; ascend.
52.00	Point of ridge 40 ft. high. course S. descend.
67.00	Head of ravine course S. ascend.
71.50	Top of ridge. course N. E. & S. W. descend to
80.00	The cor. to Secs 9, 10, 15 & 16.
	Land, broken.
	Soil. Gravelly & Rocky 3rd rate.
	Timber. Scattering Cedars. dense undergrowth on 80. chains.

N 0° 15' W. between Secs 9 & 10.
Var 16° 36' E.

Enter dense undergrowth & Scattering Cedars. descend about 60 ft. to

0.00	Running, course W.
8.90	Dry wash. 30 lks wide, course W. ascend 80 ft. to
19.00	Ridge, course N. E. & S. W. descend
40.00	Set a limestone 20 x 16 x 6 ins. 15 ins. in the ground for 1/4 Sec. Cor. marked 1/4 on N. face; and raised a mound of stones 1½ ft. high. 2 ft. base alongside. Pits impracticable.
44.80	Wood road, course N. E. & S. W.
46.30	Ascend rocky ridge about 100 ft. high.
66.00	Top of ridge. descend gradually
80.00	Set a limestone 18 x 14 x 6 ins. 12 ins. in the ground for cor. to Secs 3, 4, 9 & 10. marked 3 notches on S. & 3 notches on E. edges; and raised a mound of stones 1½ ft. high. 2½ ft. base alongside. Pits impracticable.
	Land, broken mountains.
	Soil. Rocky, 4th rate.
	Timber. Cedars. dense undergrowth on 80. chains.
	Whole line runs over mountainous land.

Subdivisions of T. 14 S. R. 3. E.

ams.

N 89°.58' E. on a random line between Secs 3 & 10.
Va 16°.36' E.

40.00 Set temporary 1/4 Sec. Cor.
80.04 Intersect N & S. line 5 lks S. of cor. to Secs 2.3.10 & 11. thence I run
S 89°.56' W. on a true line between Secs 3 & 10
Va 16°.38' E.

Enter dense undergrowth & Cedars, descend 20 ft: to
0.50 Ravine. course S. ascend.
31.00 Ridge. course N & S. descend.
40.02 Set a limestone 16x10x4 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.
43.00 Ravine, course S. ascend about 200 ft: to
59.00 Top of Rocky ridge. course N. E & S.W. descend about 180 ft: to
80.04 The cor. to Secs 3.4.9 & 10.
and, broken mountains.
Soil. Rocky 4th rate.
Timber. Scattering Cedars, dense undergrowth on 80.04 chains.
Whole line runs over mountainous land.

N 0°.15' W. on a random line between Secs 3 & 4
Va 16°.36' E.

40.00 Set temporary 1/4 Sec. Cor.
84.73 Intersect N. boundary of township at cor. to Secs 3.4.33 & 34, thence I run
S 0°.15' E. on a true line between Secs 3 & 4.
Va 16°.38' E.

Enter undergrowth & scattering Cedars. ascend about 100 ft: to
3.00 Top of ridge. course NW & S E. descend about 200 ft: to
39.80 Ravine, course S.W.
44.73 Set a sandstone 16x14x10 ins. 11 ins. in the ground 1/4 Sec. Cor. marked 1/4 on W. face; and raised a mound of stones 1½ ft: high. 2 ft: base alongside. Pits impracticable.
46.00 Wood road, course N. E. & S.W.
50.00 Dry wash. 20 lks wide, course S.W.

Subdivisions of T. 14 S. R. 5 E.

Chains	
50.50	Foot of bluff 30 ft: high. leave ravine. ascend.
52.00	Top of bluff... gradual ascent to
84.73	The cor. to Secs 3.4.9 & 10.
	Land. broken.
	Soil. Rocky 4th rate.
	Timber. Scattering Cedars. dense undergrowth on 84.73 chs
	Whole line runs over mountainous land.
	Dec. 26th 1894.

From the cor. to Secs 4.5.32 & 33. on S. boundary of township, as hereinbefore described I run N 0°.16' W on a resurvey line between Secs 32 & 33.

Ja 16°.36' E

At 40. chs no trace of old cor. set temporary 1/4 Sec. Cor. At 80. chs no trace of old cor. set temporary cor. to Secs 28.29.32 & 33. I therefore continue this line north searching diligently for old corners. setting temporary 1/4 Sec. & Sec. corners at each 40 & 80 chains. and at 4 miles set a sandstone 16x12x10 ins. 11 ins. in the ground for cor. to Secs 8.9.16 & 17. marked 4 notches on N. & 4 notches on E. edges; dug pits 18x18x12 ins. in each Sec. 5½ ft: dist: and raised a mound of earth 2 ft: high 4½ ft: base alongside. Thence I run:

N 0°.16' E. on a true line between Secs 16 & 17.

Ja 16°.36' E.

	Enter field.
0.80	Leave field. Enter dense undergrowth.
4.80	Wood road. course E & N.
16.80	Wood road. course N W & S E.
40.00	Set a sandstone 20x12x8 ins. 15 ins. in the ground for 1/4 Sec. Cor. marked 1/4 on N. face. dug pits 18x18x12 ins. N & S. of stone 5½ ft: dist: & raised a mound of earth 1½ ft: high 8½ ft: base alongside.
75.55	Wood road. course N. E & W.
80.00	Set a sandstone 20x8x6 ins. 15 ins. in the ground for cor. to Secs 16.17.20 & 21. marked 3 notches on N. & 4 notches on E. edges; dug pits 18x18x12 ins. in each Sec. 5½ ft: dist: and raised a mound of earth 2 ft: high. 4½ ft: base alongside.
	Land. bottom.

Subdivisions of S. 14. S. R. 3. E.

Chains	
	Soil. sandy, 2nd rate.
	No timber., dense undergrowth on 79.20 chains.
	So. 16' E. on a true line between Secs 20 & 21.
	Va 16°. 36' E.
	Enter dense undergrowth. on bottom,
33.10	Wood road. course N.W. & S.E.
40.00	Set a sandstone 14×12×10 ins. 10 ins. in the ground for 1/4 Sec. Cor. marked 1/4 on W. face; dug pits 18×18×12 ins. N & S. of stone 5½ ft. dist. and raised a mound of earth 1½ ft. high. 3½ ft. base alongside.
	Enter field. Leave undergrowth.
75.00	Leave field. Enter dense undergrowth,
80.00	Set a sandstone 12×10×8 ins. 8 ins. in the ground for Cor. to Secs 20. 21. 28 & 29. marked 2 notches on S. & 2 notches on E. edges; dug pits 18×18×12 ins. in each Sec. 5½ ft. dist. and raised a mound of earth 2 ft. high. 4½ ft. base alongside.
	Land, bottom,
	Soil. Sandy. 2nd rate,
	No timber. dense undergrowth on 45. chains.
	Dec 27th 1894.
	So. 16' E. on a true line between Secs 28 & 29.
	Va 16°. 36' E.
	Enter dense undergrowth. on bottom,
40.00	Set a sandstone 10×8×8 ins. 7 ins. in the ground for 1/4 Sec. Cor. marked 1/4 on W. face; dug pits 18×18×12 ins. N & S of stone 5½ ft. dist. and raised a mound of earth 1½ ft. high. 4 ft. base alongside,
41.00	Ascend,
49.00	descend.
54.00	Foot of descent;
61.10	Dry wash 5 ft. wide. course S.W.
61.60	County road. Mt. Pleasant to Nephi. course N.W. & S.E.
80.00	Set a sandstone 24×12×4 ins. 18 ins. in the ground for cor. to Secs 28. 29. 32 & 33. marked 1 notch on S. and 4 notches on E. edges; dug pits 18×18×12 ins. in each sec. 5½ ft. dist. and raised a mound of earth 2 ft. high. 4½ ft. base alongside.

Subdivisions of T. 14. S. R. 3. E.

ains.	Land, bottom.
	Soil, sandy, 2 chains.
	No timber. dense undergrowth on 80 chains.
	So. 16' E. on a true line between Secs 32 & 33.
	Da 16°. 36' E.
	Enter dense undergrowth, on bottom.
26.50	County road, Fountain Green to Moroni. course N.W. & S.E.
38.60	Telephone line, course N.W. & S.E.
40.00	Set a sandstone 14×10×6 ins. 10 ins. in the ground for 1/4 Sec. Cor. marked 1/4 on N. face; dug pits 18×18×12 ins N & S. of stone 6½ ft. dist; and raised a mound of earth 1½ ft. high. 3½ ft. base alongside.
44.80	Road. course E. & W.
53.80	Road. course N.W. & S.E.
69.50	Road. course N.E. and S.W. Enter field, leave dense undergrowth.
80.00	The cor. to Secs 4. 5. 32 & 33. on S. boundary of township.
	Land, bottom.
	Soil, sandy. 2 chains,
	No timber. dense undergrowth on 69.50 chs
	From the cor. to Secs 28. 29. 32 & 33. I run N 89° 56' E. on a random line between Secs 28 & 33.
	Da 16°. 36' E.
40.00	Set Temporary 1/4 Sec. Cor.
80.00	Intersect N. & S. line. at cor. to Secs 27. 28. 33. and 34. thence I run
	S 89°. 56' W. on a true line between Secs 28 & 33.
	Da. 16°. 36' E.
	Enter dense undergrowth. descend about 50 ft. to
19.80	Wood road. course N.E. & S.W. enter bottom.
40.00	No trace of old corner. Set a sandstone 16×10×4 ins. 11 ins. in the ground for 1/4 Sec. cor. marked 1/4 on N. face; dug pits 18×18×12 ins. E. and W. of stone 6½ ft. dist: and raised a mound of earth 1½ ft. high. 3½ ft. base alongside.
48.85	County road, Mt. Pleasant to Nephi. course N.W. & S.E.

Subdivisions of U.S.R.S. & E.

Chains	
71.00	Road. course N.E. & S.W.
80.00	The cor. to Secs 28.29.32 & 33.
	Land 19.80 chs broken, 60.20 chs bottom.
	Soil. Sandy & Gravelly 2nd rate.
	No timber. dense undergrowth on 80. chains.
	From the cor. to Secs 20.21.28 & 29. I run
	N 89°.55' E. on a random line between Secs
	21 & 28.
	Va 16°.36' E.
40.00	No trace of old cor, set temporary 1/4 Sec. Cor.
76.00	End of former survey, No trace of old corner.
79.96	Intersect N & S. line at cor. to Secs 21.22.27 & 28
	thence I run
	S 89°.55' W. on a true line between Secs 21 & 28.
	Va 16°.36' E.
	Enter dense undergrowth on bottom.
2.60	Wood road, course N.E. & S.W.
4.65	Dry wash. 15 lks wide. course S.W.
6.00	Leave bottom, ascend.
16.50	Top of Ridge. 75 ft. high, course N.E & S.W. descend
31.00	Enter bottom.
39.98	Set a sandstone 20 x 15 x 12 ins. 15 ins. in the ground for 1/4 Sec. Cor. marked 1/4 on N. face; dug pits 18 x 18 x 12 ins. E & W. of stone. 5 1/2 ft. dist. and raised a mound of earth 1 1/2 ft. high. 3 1/2 ft. base alongside.
41.00	Dry wash 40 lks wide. course S.W.
79.96	The cor. to Secs 20.21.28 & 29,
	Land 25 chs broken, 55 chs bottom.
	Soil. " " gravelly 3rd rate. 65 chs sandy 2nd rate.
	No timber. dense undergrowth on 79.96 chains.
	Dec 2 1894
	From the cor. to Secs 16.17.20 & 21. I run
	N 89°.55' E. on a random line between Secs 16 & 21,
	Va 16°.36' E.
40.00	No trace of old corner, Set temporary 1/4 Sec. Cor.
58.00	End of former survey, No trace of old corner.
79.94	Intersect N & S. line 7 lks S. of cor. to Secs 15.16.
	21 & 22. thence I run
	S 89°.55' W. on a true line between Secs 16 & 21.
	Va 16°.36' E.

Subdivisions of U.14.S.R.3.E.

Chains.	
	Enter dense undergrowth, descend
7.50	Ravine 40 ft: below Sec. cor. course S.W. Enter bottom.
12.30	Clay wash, 50 lks wide, course S.W.
20.00	Ascend about 50 ft: 6-
25.00	Top of ascent: descend,
32.00	Enter bottom.
32.50	Clay wash, 50 lks wide, course S.W.
38.50	Ascend gradually.
39.97	Set a sandstone 18x15x12 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
40.50	Descend gradually 6-
79.44	The cor. 6 Secs 15.16.21 & 22. Land, 40.50 chs broken, 39.44 chs. bottom, Soil, 40.50 chs rocky 3rd rate, 39.44 chs sandy 2nd rate, No timber. dense undergrowth on 79.44 chains.

From the cor. 6 secs 8.9.16 & 17. I run N 89°.50' E. on a random line between Secs 9 & 16, Va 16°.36' E.

40.00	Set Temporary 1/4 Sec. Cor.
79.90	Intersect N & S. line 7 lks N. of cor. 6 Secs 9.10.15 & 16. thence I run S 89°.56' W. on a true line between Secs 9 & 16, Va 16°.36' E.
	Enter dense undergrowth & scattering cedars, descend
2.20	Wood road, course N. & E. & S.W.
7.10	Wood road, course N. & E. & S.W.
8.00	Ravine 80 ft: below Sec. cor. course S.W.
9.50	Ascend, about 100 ft: 6-
14.00	Top of ascent: descend 120 ft: 6-
36.00	Ravine, course S.W. ascend 80 ft: 6-
39.00	Top of ascent: descend,
39.95	Set a sandstone 12x10x6 ins. 8 ins. in the ground for 1/4 Sec. Cor. marked 1/4 on N. face; and raised a mound of stones 1½ ft: high & 2 ft: base alongside. Pits impracticable.
60.00	Enter bench, descend gradually.
75.00	No trace of old corner,
78.00	Leave undergrowth & scattering cedars. Enter field.

Subdivisions of T. 14 S. R. 3 E.

Chains.	
79.90	The cor. to Sec's 8.9.16 & 17.
	Land. broken.
	Soil. Gravelly & rocky 3rd rate.
	Timber scattering cedars on 78. chs. dense undergrowth on 78. chs
	N 0°.16' W. between Sec's 8 & 9
	Va 16°.36' E.
	Enter field. on bottom.
4.70	Leave field. Enter dense undergrowth.
8.75	Wood road. course N.E. & S.W.
22.90	Wood road. course N.E. & S.W.
24.00	No trace of old corner
25.50	Leave bottom. Enter scattering cedars. ascend.
40.00	Set a sandstone 20×12×6 ins. 15 ins. in the ground, for 1/4 Sec. Cor. marked 1/4 on W. face; and raised a mound of stones 1½ ft. high. 2 ft. base alongside. Pits impracticable.
43.60	Descend from ridge.
54.00	Ravine. Course S.W. ascend.
62.00	Top of ridge about 100 ft. high. descend
64.00	Ravine Course S.W.
66.10	Wood road. Course E & W.
66.60	Dry wash. 100 lks wide. course S.W.
75.00	Leave ravine. ascend.
80.00	Set a sandstone 20×16×8 ins. 15 ins. in the ground for cor. to Sec's 4.5.8 & 9. marked 5 notches on S. & 4 notches on E. edges; and raised a mound of stones 1½ ft. high. 2 ft. base alongside. Pits impracticable.
	Land 35.50 chs bottom. 44.50 chs broken
	Soil. Gravelly & Rocky 3rd rate.
	Timber. Scattering cedars on 44.50 chains.
	Dense undergrowth on 75.30 chains.
	N 89°.56' E on a random line between Sec's 4 & 9.
	Va 16°.36' E.
40.00	Set Temporary 1/4 Sec. Cor.
79.86	Intersect N & S. line 7 lks. N. of cor. to Sec's 3.4.9 & 10. thence I run
	S 89°.59' W on a true line between Sec's 4 & 9
	Va 16°.36' E

Subdivisions of T. 14 S. R. 3 E.

Chains.	
	Enter dense undergrowth & scattering Cedars, descend gradually
39.93	Set a sandstone 18x12x8 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.
46.00	Ravine, course S.
47.90	Dry wash 150 lks wide, course S.W.
50.00	Leave ravine, ascend gradually
62.30	Wood road, course N.E. & S.W.
71.00	Steeper ascent.
78.50	Ridge, about 150 ft. above ravine, course N.E. & S.W. descend about 40 ft. to
79.86	The cor. to Secs 4. 5. 8 & 9.
	Land, broken mountains.
	Soil. Gravelly & Rocky, 3rd rate.
	Timber, scattering Cedars, dense undergrowth on 79.86 chains.
	Whole line runs over mountainous land.

	No. 16' W. on a random line between Secs 4 & 5. Va 16°. 36' E.
40.00	Set Temporary 1/4 Sec. Cor.
84.60	Intersect N. boundary of township at cor. to secs 4. 5. 32 & 33. thence I run
	So. 16' E. on a true line between Secs 4 & 5. Va 16°. 36' E.
	Enter dense undergrowth & scattering cedars, descend about 50 ft. to
5.50	Ravine, course S.W. ascend about 150 ft. to
40.00	Ridge, course E. & W. descend,
44.60	Set a sandstone 18x14x8 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.
45.50	Ravine, course S.W. ascend,
48.00	Ridge, 50 ft. high, course N. descend,
58.50	Ravine, course N. ascend 100 ft. to
76.00	Ridge, course E. & W. descend 50 ft. to
84.60	The cor. to Secs 4. 5. 8 & 9.
	Land, broken, mountains.

Subdivisions of T. 14. S. R. 3. E.

Chains.	
	Soil, Rocky & Crate. Timber. Scattering Cedars, dense undergrowth on 84.60 chains. Whole line runs over mountainous land. Dec 29th 1844.
	From the cor. to Secs 7. 8. 17 & 18. which is a sandstone 4 x 4 x 5 ins. above ground, marked & witnessed as described in field notes furnished by the Surveyor General. I run . East - on a random line between Secs 8 & 17 Va 16°. 36' E.
40.00	Set temporary 1/4 Sec. Cor. No trace of old cor.
80.04	Intersect N. & S. line 3.80 chains. N. of cor. to Secs 9 & 16.; set a sandstone 16 x 14 x 7 ins. 11 ins. in the ground for Closing Corner to Secs 8 & 17. marked C.C. with 4 grooves on S. & E. faces. dug pits 18 x 18 x 12 ins N. & S. of stone 5 1/2 ft: dist: and raised a mound of earth 2 ft: high. 4 1/2 ft: base alongside. thence I run . West - on a true line between Secs 8 & 17. Va 16°. 36' E.
	Enter field.
5.10	Leave field. Enter dense undergrowth.
40.02	Set a sandstone 16 x 12 x 8 ins. 11 ins. in the ground for 1/4 Sec. Cor. marked 1/4 on N. face; and raised a mound of stones 1 1/2 ft: high. 2 ft: base alongside. Pits impracticable.
	Enter Scattering cedars.
52.60	Wood road. course N. W. & S. E. Leave cedars & undergrowth.
53.00	Enter field.
80.04	The cor. to Secs 7. 8. 17 & 18.
	and, bottom. Soil. Sandy and Rocky & Crate. Timber. Scattering Cedars on 12.42 chains. undergrowth on 47.50 chains.
	No. 16' W. on a random line between Secs 7 & 8. Va 16°. 36' E.
40.00	No trace of old corner. Set temporary 1/4 Sec. Cor.

Subdivisions of T. 14 S., R. 3 E.

80.80 The cor. to Secs 5.6.7 & 8. on line, which is a sandstone 6x6x7 ins. above ground, marked and witnessed as described in field notes furnished by the Surveyor General. Thence I run
S 0°.16' E. on a true line between Secs 7 & 8.
Va 16°.36' E.

Enter bottom.

2.00 Wood road, course N & NW & S. E.

3.00 Enter field.

40.40 Set a sandstone 16x12x7 ins. in the ground for 1/4 Sec. Cor. marked 1/4 on N. face; dug pits 18x18x12 ins. N & S. of stone 5½ ft. dist. & raised a mound of earth 1½ ft. high. 3½ ft. base alongside.

80.80 The cor. to Secs 7.8.17 & 18.

Land bottom.

Soil Sandy loam, 1st class.

No timber.

From the cor. to Secs 5.6.7 & 8. I run
East on a random line between Secs 5 & 8.
Va 16°.36' E.

13.00 End of former survey. No trace of old corner.

40.00 Set Temporary 1/4 Sec. Cor.

80.16 Intersect N end S. line 4.64 chains N. of cor. to Secs 4. and 9. Set a sandstone 16x11x5 ins. 11 ins. in the ground for Closing Corner to Secs 5 & 8. marked C.C. with 5 grooves on S. & 4 grooves on E. faces; & raised a mound stones 1½ ft. high. 2 ft. base alongside. Pits impracticable. Thence I run
West on a true line between Secs 5 & 8.
Va 16°.36' E.

Enter dense undergrowth & scattering Cedars, descend

34.00 Ravine, about 100 ft. below Sec. Cor. Course NW.

40.08 Set a sandstone 16x12x8 ins. 11 ins. in the ground for 1/4 Sec. Cor. marked 1/4 on N. faces and raised a mound of stones 1½ ft. high. 2 ft. base alongside. Pits impracticable.

Subdivisions of T. 14 S. R. 3 E.

Chains.	
41.90	Wood road, course N. & W. & S.W. Leave Cedars. Steeper ascent.
60.00	Ridge about 150 ft. high. course N. W. & S. descend
79.00	Enter bottoms.
79.55	Dry wash 10 lks wide. 20 ft. deep. Course S. E.
80.16	The cor. to Secs 5. 6. 7 & 8.
	Land. broken.
	Soil. Gravelly and Rocky. 3rd rate.
	Timber. Scattering Cedars on 41.90 chains.
	Dense undergrowth on 80.16 chains.
	West on a random line between Secs 6 & 7. Va 16° 36' E.
40.00	Set temporary 1/4 Sec. cor. Could find no trace of old corner.
79.94	Intersect N. boundary of township 12 lks S. of cor. to Secs 6 & 7. thence I run S 89° 55' E on a true line between Secs 6 & 7. Va 16° 36' E.
	Along S. side of street in Fountain Green.
4.44	Ditch 5 lks wide. flows S.
35.00	County road. Fm. Pleasant to Nephi. Course S 26° E.
35.90	Ditch 10 lks wide. flows S. E.
36.10	Enter field.
39.94	Set a Sandstone 14 x 12 x 8 ins. 10 ins. in the ground for 1/4 Sec. cor. marked 1/4 on N. face; dug pits 18 x 18 x 12 ins. E. & N. of stone 5 1/2 ft. dist. & raised a mound of earth 1 1/2 ft. high. 3 1/2 ft. base alongside.
78.90	Leave field.
79.30	Wood road. Course N. W. & S. E.
79.94	The cor. to Secs 5. 6. 7 & 8.
	Land. bottom.
	Soil. Sandy loam, 1st rate.
	No timber.
	No. 16' W. on a random line between Secs 5 & 6. Va 16° 36' E.
40.00	No trace of old corner. Set temporary 1/4 Sec. Cor.
49.00	End of former survey, No trace of old corner.

Subdivisions of T. 14 S. R. 3. E.

chns.	
80.06	Intersect N. boundary of township & the W. of cor. to Secs 5.6.32 & 33. thence S run S. 0.12' E. on a true line between Secs 5 & 6. Va 16°.36' E.
	Enter scattering Cedars. descend about 100 ft. to
13.00	Ravine. Course S.W.
13.20	Road. Course N.E & S.W.
14.00	Dry wash 20 lks wide. Course S.W.
17.00	Enter dense undergrowth. ascend about 150 ft. to
33.00	Top of ridge. Course E & W. descend.
40.06	Set a sandstone 17x12x6 ins. 12 ins. in the ground for 1/4 Sec. Cor. marked 1/4 on W. face, and raised a mound of stones 1½ ft. high. 2 ft. base alongside. Pits impracticable.
62.00	Wood road. Course E & W.
77.00	Leave Cedars. Enter bottom.
78.80	Dry wash, 80 lks wide. 20 ft. deep, course S.E.
80.06	The cor. to Secs 5.6.7 & 8.
1773.06	Land, broken,
	Soil. Gravelly & Rocky of 2nd rate.
	Timber. Scattering Cedars on 77. chains.
	dense undergrowth on 63.06 chains.
	77. chains of line runs over mountainous land.

Dec. 30th 1894.

General Description.

The land embraced in my survey in this township is mostly broken & mountainous covered with a scattering growth of cedars. There is not much water in the township. There is considerable good farming land not under cultivation for want of water. Alf. Erickson has a Corral near the line between Secs 24 & 25. for his D.E. 1544. but no other improvements. John L. Jewkes has some land under cultivation on his D.E. No. 1691. on the N.W¼ of the N.W¼ of Sec. 8. Lars J. Anderson has some land under cultivation on his D.E. No. 2932. on the S.E¼ of the N.E¼ of Sec. 33. No improvements were to be found on land claimed

Subdivisions of T. 14 S. R. 3 E.

by ... on D.E. 2758. Hardy . D.E. 3021.
or. asmus Anderson on D.E. No. 888. or.
John L. Waldeman on D.E. No 1389. or Peter
C. Christenson on D.E. No 1477. or James B.
Rowbury on D.E. No 2141. or Frederikke Brothuson
on D.E. No 2580.

The mean declination for the plat the
result of two observations is 16° 35' E.

There is no mineral found in the township.

There is some local attraction at the corner
to Secs 3. 4. 33 & 34. on the south boundary of
the township.

I tested my transit each day on meridian
as determined by observations on Polaris.

Edward W. Krober
U. S. Dep. Surveyor.

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List of Names.

A list of the names of the individuals employed by Edward W. Kneber, U. S. Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the survey of the Exterior lines and Subdivisions of Tps 14 and 15 S. R. 2 E and T. 14 S. R. 3 E.

the Salt Lake Meridian, in Utah Territory, showing respective capacities in which they acted:

Arthur Moore Chainman
Floyd D. Ulmer Chainman
F. J. Armstrong Axeman and Chainman
Clarence S. Carleton Axeman and Chainman

Final Oath of Assistants:

We hereby certify that we assisted Edward W. Kneber, U. S. Deputy Surveyor, in surveying all those parts or portions of the Exterior lines and Subdivisions of Tps 14 and 15 S. R. 2 E and T. 14 S. R. 3 E

the Salt Lake Meridian, Utah Territory, 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 U. S. Surveyor General for Utah

Arthur Moore Chainman
Floyd D. Ulmer Chainman
F. J. Armstrong Axeman and Chainman
Clarence S. Carleton Axeman and Chainman

Subscribed and sworn to before me this 15th day of January, 1895

SEAL

John M. Breeze
Notary Public

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Final Oath of U. S. Deputy Surveyor.

I, Edward W. Roeber, U. S. Deputy Surveyo
solemnly swear that, in pursuance of instructions received from Ellsworth Daggett,
Surveyor General for Utah, bearing date of the 17th
June, 1890, I have well, faithfully, and truly, in my own proper person, and in
conformity with the instructions furnished by the U. S. Surveyor General for Utah
surveying manual, and the laws of the United States, surveyed all those parts or portions of the
exterior and subdivision lines of Tps. 14 & 15 South Ranges
East & Township 14 South Range 3 East of the
Salt Lake Base & Meridian, in the Territory of Utah, as are represented in the
going field notes as having been surveyed by me, and under my directions; and I do further solemnly swear th
the corners of said survey have been established and perpetuated in strict accordance with the surveying m
printed instructions, the special written instructions of the U. S. Surveyor General for Utah
and in the specific manner described in the field notes, and that the foregoing are the true field notes of such su
and should any fraud be detected, I will suffer the penalty of perjury under the provisions of an Act of Co
approved August 8, 1846.

Edward W. Roeber
U. S. Deputy Surve

Subscribed and sworn to before me this 29th
day of June, 1895

SEAL

George Snow
U.S. Surveyor

Approval.

Office of the U. S. Surveyor General,
Salt Lake City Utah June 29th, 1

The foregoing field notes of the survey of the Subdivision lines of
14 South Ranges 3 East of the Salt Lake Base
Meridian in the Territory of Utah
exec
Edward W. Roeber
under his Contract No. 172, dated June 17th, 189 having been er
examined, the necessary corrections and explanations made, the said field notes, and the surveys they descri
hereby approved.

George Snow
U. S. Surveyor G

I certify that the foregoing transcript of the field notes of the above-described surveys in
, has been correctly copied from the original notes on file in this office.

U. S. Surveyor G

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