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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 over 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-261

INDEX DIAGRAM.

Township 5 N., *Range* 5 E.

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P. L. C. *Meanders Page* 385 to 389.

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 over 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-261

INDEX DIAGRAM.

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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 over 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-261

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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 over 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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Z5
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BOOK A 261

FIELD NOTES

OF THE SURVEY OF THE

First Guide Meridian East

through

Township 5 North

between

Ranges 4 and 5 East

Of the Salt Lake Base and Meridian,

State of Utah

AS SURVEYED BY

Frank E. Boyles and David H. Blossom, United States Deputy Surveyors,

Under this Contract No. 223, dated January 21, 1899

Survey commenced August 9, 1899

Survey completed 10, 189

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BOOK A-261

NAMES AND DUTIES OF ASSISTANTS.

J. W. Dougall —	Chainman
Thos S Roylance	Chainman
Austin Roylance	Chainman
Joseph Bagley	Chainman
Joseph Bagley	Rodman
Leonard Diamond	Axeman
Chas C Frick	Flagman

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BOOK A-261

INDEX DIAGRAM.

Township....., *Range*.....

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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, J. W. Dougall, Thos S Roylance and Austin Roylance, Joseph Bagley do solemnly swear that we will well and faithfully execute the duties of chainmen; 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 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 First Guide Meridian East Through Tps 5 and 6 N bet Rs 4 of the Salt Lake Base and Meridian, Utah.

J. W. Dougall, Chainman.
Thos S. Roylance, Chainman.
Austin Roylance, Chainman.
Joseph Bagley

Subscribed and sworn to before me this 25th day of May, 1899

SEAL

Hugh McDougall
Notary Public

WE, Joseph Bagley and do solemnly swear that we will well and truly perform the duties of moundman in the establishment of corners, according to the instructions given ~~us~~ me, to the best of ~~our~~ my skill and ability, in the survey of First Guide Meridian East Through Tps 5 and 6 N bet Rs 4 & 5 E of the Salt Lake Base and Meridian Utah.

Joseph Bagley, Moundman.
, Moundman.

Subscribed and sworn to before me this 25th day of May, 1899

SEAL

Hugh McDougall
Notary Public

WE, Leonard Diamond and do solemnly swear that ~~we~~ I will well and truly perform the duties of axman in the establishment of corners and other duties, according to instructions given ~~us~~ me, to the best of ~~our~~ my skill and ability, in the survey of First Guide Meridian East Through Tps 5 and 6 N bet 4 and 5 East of the Salt Lake Base and Meridian, Utah.

Leonard Diamond, Axman.
, Axman.

Subscribed and sworn to before me this 25 day of May, 1899

SEAL

Hugh McDougall
Notary Public

I, Chas. C. Friel, 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 First Guide Meridian East Through Tps 5 and 6 N bet Rs 4 and 5 E of the Salt Lake Base and Meridian, Utah.

Chas. C. Friel, Flagman.

Subscribed and sworn to before me this 25 day of May, 1899

SEAL

Hugh McDougall
Notary Public

6-1'1

1st Guide Meridian E through Tps. 5 N bet. Rs. 4 and 5 E

Survey commenced Aug 4. 1899 and executed with two W. and L. E. Gurley transits with solar attachments for a description of which see book A.
We examine the adjustments of the transits and correct the level and collimation errors: then to test the solar apparatus by comparing their indications, resulting from solar observation, made during A.M. and P.M. hours with a true meridian determined by observations on Polaris we proceed as follows.
At the Standard Cor. of Tps. 5 N Rs 4 and 5 E which is a sandstone 14x12x4 ins above ground marked and witnessed as described by the Surveyor General latitude 41°07' N. longitude 114°26' W we set off 41°07' N on the lat. arc 15°44' N on the decl. arc, and at 4h 08m P.M. l.m.t. determine with the solar of one of the instruments a true meridian, and mark a point thereof on a plug firmly driven in the ground 5.00 chs N of cor.
With the second instrument placed over the same initial point, we set off 41°07' N on the lat. arc 15°44' N on the decl arc, and at 4h 10m P.M. l.m.t. determine with the solar a true meridian and mark a point thereof on the plug already set 5.00 chs. N of cor. This point falls 0.2 ins W. of that of the first instrument.
At 10h 13m P.M. l.m.t. we observe Polaris at eastern elongation with the first instrument in accordance with the manual of instructions, and mark a point on the line thus determined on a plug firmly driven in the ground 5.00 chs N of our station.

Aug 10. 1899 At 7h 00m a.m. l.m.t. we lay off the azimuth of Polaris 1.30 to the west and mark the true meridian thus determined with the first instrument by a tack driven in the stake set Aug. 9. 1899 on which the true meridian falls 0.1 ins E. of the mark determined by the solar of the first instrument and 0.3 ins East of that of the second instrument.

At 8h 00m a.m. l.m.t. we set off 40°07'N on the lat arc 15°32'N on the decl. arc of the first instrument and mark a point on the true meridian thus determined with the solar by a pencil mark on the stake already set 6.00 chs. N. of our station; this mark falls 0.1 ins E. of the true meridian established by the Polaris observation.

At 8h 10m a.m. l.m.t. we set off 40°07'N on the lat. arc 15°32'N on the decl. arc of the second instrument and mark a point in the true meridian thus determined with the solar by a notch cut in the stake already set 6.00 chs N. of our station. This mark falls 0.2 ins east of the true meridian established by the Polaris observation.

The solar apparatus by P.m. and a.m. observations define position for true meridian respectively about 0° 05" W and 0° 05" E of the true meridian established by the Polaris observations of the first instrument and 0° 16" East and 0° 11" west of the same with the second instrument; therefore we conclude that the adjustments are satisfactory.

The magnetic bearing of the true meridian at 8h 30m a.m. l.m.t. is N 16°53' W the angle thus determined reduced by the table page 100 gives the mean mag. decl. 16°48' E.

1st Guide meridian E through Tps 5 N Rs 4 and 5 E continued

We begin at the standard cor. of Tps 5 N Rs. 4 and 5 E. heretofore described and, right on the true meridian established by the Polaris observation

Thence we run

North between secs 31 & 36

Over ascending land through oak and sage brush

17 00 Top of ridge and divide bet Cedar Canon and Lost Creek bears E and W descend

18 00 Enter aspen and willows

24.00 Leave same

Difference between measurements of 40,00 chs, by two sets of chainmen is 10 lks.; position of middle point.

By 1st set 39.95 chs

By 2nd set 40.05, the mean of which is .00

40.00 Set, a sand stone 18x10x4 ins 12 ins in ground for 1/4 Sec. cor; marked 1/4 on W. face; and raise a mound of stone 2 ft base 1½ ft high W of cor

Pits impracticable

43.50 Saddle in ridge bears NW and S E descend

45.00 Enter dense underbrush

48.00 Head of draw drains E ascend

57.00 Top of spur projects E descend through oak brush along E slope of spur

Difference between measurements of 80.00 chs; by two of chainmen is 14 lks; position of middle point

By 1st set 79.93 chs

By 2nd set 80.07 chs the mean of which is

80.00 Set a sand stone 18x15x4 ins 12 ins in the ground for cor. of secs 25, 30, 31 and 36 marked with 1 notch on S and 5 notches on N edges: and raise a mound of stone 2 ft base 1½ ft high W of cor

Pits impracticable

Land mountainous

Soil gravelly and stony 3rd rate

Timber aspen on 6.00 chs
Mountainous land and dens under-growth on 80.00 chs

North bet secs 25 and 30
Descending gradually along E slope through oak brush
20.00 Commence to descend abruptly also enter aspens leave oak brush
29.00 Leave aspens
30 00 Bottom of cañon dry wash drains N.W. ascend
Defference between measurements of 40.00 chs: by two sets of chainmen is 8 lks: position of middle point
By 1st set 40.04 chs
By 2nd set 39.96 chs: the mean of which is
40 00 Set a sand stone 19 x 13 x 5 ins 14 ins in the ground for 1/4 sec. cor. marked 1/4 on the W face, and raise a mound of stone 2 ft base 1 1/2 ft high W of cor. Pits impracticable
ascend gradually
53 00 Top of spur projects N W descend into Toone Cañon
65 00 Enter willows
65 50 Bottom Toone Cañon drains N 80° W also spring branch 3 lks wide drains same
66 00 Leave willows
66 30 Wagon road bears N 80° W and S 80° E
70 00 Commence ascend abruptly
Defference between measurements of 80.00 chs by two sets of chainmen is 22 lks position of middle point
By 1st set 80.11 chs.
By 2nd set 79.89 chs the mean of which is
80.00 Set a sand stone 17 x 13 x 7 ins 11 ins in the ground for cor of secs. 19, 24, 25 and 30 marked with 2 notches on S and 4 notches on N edges: and raise a mound of stone 2 ft base 1 1/2 ft high W of cor Pits impracticable
This cor is identical with the S E cor. of

Chas. J. Toone's Private land claim
Land mountainous
Soil gravelly and stony 3rd and 4th rates
Timber, aspen 9.00 chs.
Mountainous land and dense undergrowth on 80.00 chs.

North bet. secs. 19 and 24
ascend
5.00 Top of ridge bears E and W descend abruptly
6.71 From this point W H Toone cabin bears N 5° W Barn and Corral bears N 73° W and Chas. J. Toone House bears N 89° 15 W
15.90 Intersect the N E cor of Chas. J. Toone's private land claim which is also the beginning cor of W. H. Toone's private land claim
20.54 Intersect the 2¼ mile stone of W. H. Toone's private land claim
36.16 Intersect angle cor of W. H. Toone's private land claim also bottom of descent enter willows
37.00 Center of Lost Creek 20 lks wide 1½ ft. deep drains S 70 W
37.50 Enter W H Toone's field
Difference between measurements of 40.00 ch by two sets of chainmen is 10 lks position of middle point By 1st set 40.05 chs
By 2nd set 39.95 chs the mean of which is
40.00 Set a sandstone 14 x 8 x 4 ins 9 ins in the ground for 1/4 sec. cor. marked 1/4 on W face, dug pits 18 x 18 x 12 ins N and S of stone 3 ft dist. and raised a mound of earth 3½ ft base 1½ ft high W of cor. Located in S. edge of Alfalfa field
49.00 Fence bears N 75 E and S 75 W also leave field
49.22 Irrigation ditch drains N 75° E
52.70 Wire fence bears N 80° E and S 80 W
53.00 Wagon Road same bearing thence ascend abruptly through sage brush
55.85 Intersect angle & closing cor of W H Toone

1st Guide meridian E through Tps 5 N, Rs 4 and 5 E. continued

private land claim
Defference between measurements of 80.00 chs, by two sets of chainmen is 18 lks.: position of middle point
By 1st set 79.91 chs
By 2nd set 80.09 chs the mean of which is
80.00 Set a boulder 18×16×10 ins 12 ins in the ground for cor. of secs 13, 18, 19 and 24 marked with 3 notches on S and N edges; and raise a mound of stone 2 ft base 1½ ft high W of cor. Pits impracticable Located on S side of small patch of aspens
Land mountainous
Soil gravelly and stony 3rd rate
No timber
Mountainous land and dense undergrowth on 80.00 chs
Aug 10 1899 at this cor. we set off 15°31' N on the decl. arc, and at 12h 00m M. i.m.t. observe the sun on the meridian the resulting lat. is 41°10' N

North bet secs 13 and 18
over mountainous land ascend
0.60 Enter small scrub aspen patch
1.50 Leave the same
33.00 Top of spur projects S E descend
34.00 Enter willows and service berry brush
38.00 Leave same
Difference between measurements of 40.00 chs by two sets of chainmen is 8 lks.: position of middle point
By 1st set 39.96 chs
By 2nd set 40.04 chs the mean of which is
40.00 Set a sand stone 14×8×4 ins 9 ins in the ground for ¼ sec. cor marked ¼ on W

face; and raise a mound of stone 2 ft base 1½ ft high W of cor.
Pit impracticable
50.00 Head of draw drains E. ascend
65.00 Top of spur slopes E descend.
68.00 Enter aspens
74.00 Leave aspend also Bottom of Ravine drains E ascend
78.00 Top of spur projects E descend gradually
Defference between measurements of 80.00 chs by two sets of chainmen is 16 lks: position of middle point
By 1st set 79.92 chs
By 2nd set 80.08 chs the mean of which is
80.00 Set a boulder 18x10x8 ins 12 ins in the ground for cor of secs 7, 12, 13 and 18 marked with 2 notches on N and 4 notches on S edges and a mound of stone 2 ft base 1½ ft high W of cor Pits impracticable
Land mountainous
Soil gravelly and stony 3rd rate
Timber aspens 6 0 chs
Mountainous land and dense undergrowth on 80.00 chs

North bet secs 7 and 12
Over mountainous land through sage brush descending along E slope
25.50 Commence to descend abruptly also leave sage enter pine timber
29.00 Bottom of Hell cañon leave pine enter willows
29.50 Creek 10 lks wide 5 ins deep runs S 35 E
35.00 Leave bottom of cañon and willows enter oak and sage brush ascend abruptly
Difference between measurements of 40.00 chs. by two set of chainmen is 10 lks: position of middle point
By 1st set 40.05 chs
By 2nd set 39.95 chs the mean of which is
40.00 Set a sandstone 13x8x4 ins 9 ins in the ground

1st Guide meridian E through Tps 5 N Rs 4 and 5 E continued

for 1/4 sec cor. marked 1/4 on W face; and raise a mound of stone 2 ft base 1 1/2 ft high W of cor. Pits impracticable

52.00 Top of spur projects N 20° W descend

55.00 Bottom of small gulch drains N 20° W ascend

70.00 Top of spur projects N 15° W descend

Difference between measurements of 80.00 Chs: by two sets of chainmen is 18 lks: position of middle point

By 1st set 80.09 chs

By 2nd set 79.97 chs the mean of which is

80.00 Set a sand stone 16 x 12 x 6 ins 11 ins in the ground for cor. of secs 1, 6, 7 and 12 marked with 1 notch on N and 5 notches on S edges, and raise a mound of stone 2 ft base 1 1/2 ft high W of cor. Pits impracticable

Land mountainous

Soil stony 3rd rate

Timber pine on 3.50 chs

Mountainous land and dense undergrowth on 80.00 chs.

North bet secs 1 and 6

over rough mountainous land through service berry brush ascend on W slope

10.00 Head of draw drains W continue ascending

30.00 Top of spur projects N 28° W descend

Difference between measurements of 40.00 chs by two set of chainmen is 12 lks: position of middle point

By 1st set 40.06 chs

By 2nd set 39.94 the mean of which is

40.00 Set a sand stone 13 x 8 x 6 ins 9 ins in the ground for 1/4 sec. cor. marked 1/4 on W face and raise a mound of stone 2 ft base 1 1/2 ft high W of cor. Pits impracticable

Cor. located in bottom of draw drains W. ascend

43.00 Top of spur projects N 30 W also spring 4.00 chs W of line descend

50.00 Bottom of gulch drains S 55 W ascend

1st Guide meridian E through Tps 5 N Rs 4 and 5 E continued

55.00	Top of spur projects S 10° W descend
62.00	Bottom of small draw drains W. ascend
72.00	Top of spur projects W descend
	Difference between measurements of 80.00 chs, by two set of chainmen is 20 lks: position of middle point.
	By 1st set 80.10 chs
	By 2nd set 79.90 chs the mean of which is
80.00	Set temp cor for Tps 5 and 6 N, Rs. 4, and 5 E, which we afterward make permanent at this point for description of which see note N B of T5 N R5 E, Bort. Z6
	Land mountainous
	Soil stony 3rd rate
	No timber
	Mountainous land and dense undergrowth on 80.00

Aug 10. 1899

For general description see notes of subdivisions T5N-R5E and T5N R4E.

Frank E. Baxter
David H Blossom
U.S. Dep Surveyors.

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PAGE

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by .....

....., United States Deputy Surveyor, to assist in running, measuring, and

narking the lines and corners described in the foregoing field notes of the survey of .....

.....

howing the respective capacities in which they acted:

....., *Chainman.*

....., *Chainman.*

....., *Moundman.*

....., *Moundman.*

....., *Axman.*

....., *Axman.*

....., *Flagman.*

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted .....

....., United States Deputy Surveyor, in surveying all

ıose parts or portions of the .....

.....

.....

..... of the .....

..... meridian, ... of ....., which are represented

ı the foregoing field notes as having been surveyed by him and under his direction; and that said survey as been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the rner monuments established, according to the instructions furnished by the United States Surveyor

eneral for .....

....., *Chainman.*

....., *Chainman.*

....., *Moundman.*

....., *Moundman.*

....., *Axman.*

....., *Axman.*

....., *Flagman.*

.....

ubscribed and sworn to before me this .....
day of ....., 189

SEAL

.....

.....

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FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, ... United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from ..... United States Surveyor General for ....., bearing date of the ..... day of ....., 189 , I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for ....., the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of .....

.....

.....

.....

..... of the .....

..... meridian, in the ..... of ....., which are represented in the foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for ..... and in the specific manner described in the field notes, and that the foregoing are the original 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.

.....

United States Deputy Surveyor.

Subscribed by said ....., and sworn to before me this ..... day of ....., 189

SEAL

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL.

Salt Lake City Utah, October 1, 1910, 189

The foregoing field notes of the survey of the First Guide Meridian East Tp 5 N. between Rs 4 & 5 E. of the Salt Lake Base & Meridian

executed by Frank E. Baxter and David A. Blossom under the contract No. 223, dated January 21, 1897, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Jacob B. Blair

United States 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.

United States Surveyor General.

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BOOK A-261

X.3.B.

FIELD NOTES

OF THE SURVEY OF THE

North Boundary

of

T5N - R5E

Of the Salt Lake Base and Meridian,

State of Utah

AS SURVEYED BY

Frank E Baxter and David H Blossom, United States Deputy Surveyors

Under ~~his~~ their Contract No. 223, dated January 21, 1899

Survey commenced August 11, 1899

Survey completed August 12, 1899

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N-Bdry high M. ch. [illegible] 5-56-28

BOOK A-261

NAMES AND DUTIES OF ASSISTANTS.

J. W. Chase	Chainman
J. W. Dougall	Chainman
Dorsey Herr	Chainman
Austin Roylance	Chainman
Joseph Bagley	Moundman
Leonard Diamond	Moundman
Leonard Diamond	Axman
Thos S Roylance	Axman
Harry Rager	Flagman
Chas C Friel	Flagman

For preliminary affidavit see book 'D'

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BOOK A-261

INDEX DIAGRAM.

Township.....*, Range*.....

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.....

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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 over 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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...e 32 and ...
...are blank.

North bdy T 5 N R 5 E

Aug 11 1899 At 8h 00m l.m.t. we set off 41°12' on the lat arc 15°15' N on the decl. arc, and determine a true meridian with the solar at the cor. of Tps 5 and 6 N Rs 5 and 6 E which is a sand stone 8x8x8 ins above ground marked and witnessed as described by the Surveyor General. In description of instruments complete tests see book A & Z5

Thence we run

West on a random line bet Tps 5 and 6 N R 5 E setting temp 1/4 sec and sec cors at intervals of 40.00 chs: and at 456.28 chs Intersect the 1st Guide meridian E 159 lks N of the temp cor. of Tps 5 and 6 N Rs 4 and 5 E the falling being within limits allowed, we therefore established the temp. cor as a permanent cor, which is a boulder 14x12x8 ins 9 ins in the ground for cor of Tps 5 and 6 N Rs 4 and 5 E marked 6N on WE 5E on SE 5N on SW and 4 E on NW faces with 6 notches on each edge, and raise a mound of stone 2 ft base 1½ ft high S of cor.

Pits impracticable

The falling answers to a correction of 0°12' S therefore

We run

N 89°48' E bet. secs 6 and 31

ascend

8.00 Enter scrub aspens

11.00 Leave same

16.28 Set a boulder 16x12x8 ins 11 ins in the ground for 1/4 sec cor, marked 1/4 on N faces: and raise a mound of stone 2 ft base 1½ ft high N of cor.

Pits impracticable

23.00 Top of ridge bears N 10° W and S 10 E

descend

41.00 Enter aspens

51.00 Bottom of ravine drains S E

ascend

56.28 Set a sand stone 14x10x8 ins 9 ins in

North bdy. T5 N. R5 E.

Chs.

ground for cor. of Secs. 5, 6, 31 and 32.
Marked with 1 notch on the N. and 5 notches on E. edges: and raised mound stone 2 ft. base 1½ ft. high N. of cor. Pits impracticable.
Land mountainous
Soil gravelly 4th rate
Timber none
Mountainous land 56.28 chs.

Aug 11 1899

Aug. 12th 1899: At 8h 00m A.M. l.m.t was set off 41°12' N. on the lat. arc. 14°57' N. on the decl. arc: and determine the true meridian with the solar at the cor of Secs. 5.6.31 and 32.
Thence we run
N. 89°48' E. bet 5 and 32.
Ascend.

8.00 Top of spur projects S 10° W. Descend.
16.00 Small gulch drains S.W. Ascend rapidly.
22.00 Top of ridge bears bears N.W. and S.E. Descend
27.00 Bottom of small draw drains S.E.
30.00 Point of spur projects S. Descend
32.00 Bottom of gully drains S.W. Junction 10.00 chs. S.W. Ascend
37.00 Top of ridge bears N 13° W. and S. 15° E Descend.
40.00 Set a boulder 14 x 10 x 6 ins. 9 ins. in ground for ¼ Sec. cor. Marked ¼ on N. face: and raised mound stone 2 ft. base 1½ ft high N. of cor. Pits impracticable.
50.00 Bottom of gulch drains S.E. Ascend
56.00 Point of spur projects S. Descend
Spring about 6.00 chs. S. of line.
63.00 Bottom of gulch drains S.W. junction 8.00 chs. S. of line. Ascend
74.00 Top of ridge bears N and S. Descend
80.00 Set a boulder 14 x 10 x 6 ins. 9 ins. in ground cor of Secs. 4.5.32 and 33. marked with

N. bdy. T5N. R.5E. Continued

Chs.	
	2 notches on W. and 4 notches on E. edges. and raised mound stone 2 ft. base 1½ ft. high N. of cor. Pits impracticable. Land mountainous Soil gravelly 4th rate No timber Mountainous land and undergrowth 80.00 Chs.
	N 89°48 E. bet. secs. 4 and 33 Descending.
22.00	Small spring in head of gully. Descend down gully
33.00	Bottom of ravine drains S 10° W. Ascend.
40.00	Set a sand stone 14×8×4 ins. 9 ins. in ground for ¼ sec. cor. Marked ¼ on N face: and raise mound stone 2 ft. base 1½ ft high N. of cor. Pits impracticable. Ascend rapidly.
54.00	Top of ridge bears S 10° E and N 10° W. Descend abruptly.
64.00	Head of gulch drains S 15° W. Ascend rapidly.
74.00	Top of spur projects S 20° W. Descend.
80.00	Set a sand stone 18×12×6 ins. 12 ins. in ground for cor. of secs. 3. 4. 33 and 34. marked with 3 notches on the E and W. edges. and raise mound stone 2 ft. base 1½ ft. high N. of cor. Pits impracticable. Land Mountainous Soil gravelly 4th rate. No timber Mountainous land 80.00 Chs.
	N 89°48 E. bet. secs. 3 and 34 Descend abruptly.
22.00	Enter bottom of ravine and willow brush

North bdy. T. 5 N. R 5 E. Continued.

Chs	
22.50	Lost creek 25 lks. wide 8 ins. deep runs S.W. Leave willows.
26.50	The left bank of Lost creek, also bottom of perpendicular ledge 30 ft. high thence ascend gently
40.00	Set a sand stone 17x9x7 ins. 11 ins. in ground for 1/4 sec. cor. marked 1/4 on N. face; and raised mound stone 2 ft. base 1½ ft. high. N. of Cor. Pits impracticable.
44.00	Mouth of draw drains N.W. Ascend through sage brush.
60.00	Top of spur projects N.W. Descend
61.00	Enter dense underbrush
65.00	Leave same.
73.00	Enter Aspens.
80.00	Set a Quartzite 18x14x10 ins, 12 ins. in ground for cor. of secs. 2, 3, 34 and 35 marked with 2 notches on E. and 4 notches on W. edges, and raise mound stone 2 ft. base 1½ ft. high N. of Cor. Pits impracticable. An aspen 4 ins. diam. bears N 35° W. 10 lks. dist. marked T 6 N. R 5 E. S. 34 B.T. An aspen 3 ins. diam. bears N 58° E. 39 lks. dist. marked T 6 N. R 5 E. S. 35 B.T. Land: mountainous Soil gravelly 3rd rate Timber aspen on 44.00 chs. Mountainous land 80.00 chs.

	N 89° 48' E. bet secs. 2 and 35 Descend
2.00	Gully drains N 10° W. Ascend
10.00	Top of spur projects N.W. Enter scrub aspens. Descend
20.00	Bottom of ravine drains N 50° W. Leave scrub aspens. Ascend
36.00	Top of ridge bears N.W. and S.E. Ascend Enter very dense underbrush

North bdy. T5N. R.5E. Continued.

Chs.	
40.00	Set a sand stone 16x8x4 ins. 11 ins. in ground for 1/4 sec. cor. marked 1/4 on N. face from which.
	An aspen 4 ins. diam. bears N45°E. 30 lks. dist. marked 1/4 S. 35 B.T.
	An aspen 4 ins. diam. bears S70°W. 10 lks. dist. marked 1/4 S. 2 B.T.
	Also Head of draw drains N.W. Ascend
55.00	Top of spur slopes N.W. Descend
64.00	Bottom of hollow drains. N.W. Ascend
70.00	Leave scrub aspens.
80.00	Set a quartzite boulder 21x12x7 ins. 15 ins. in ground for cor. of secs. 1, 2, 35 and 36, marked with 1 notch on E and 5 notches on W. edges. and raised mound of stone 2 ft. base 1½ ft. high N. of cor. Pits impracticable.
	Land mountainous
	Soil gravelly 3rd rate
	Timber Aspen on 44.00 chs.
	Mountainous land 80.00 chs.

Aug. 12 1899: At 4h 00m P.M. [illegible] set off 41°12' N on the lat. arc 14°51' N. on the decl. arc and determine a true meridian with the [illegible] at the cor. of secs 1, 2, 35 and 36

Thence we run

N89°48' E. bet secs. 1 and 36.

Ascend

11.30	Top of ridge bears N20°E. and S20°W. Descend
13.70	Enter aspen brush
20.70	Leave same. Descend
21.70	Head of draw drains S, E. also spring about 4.00 chs. S.E. Ascend
30.70	Top of low spur S E descend. Enter aspen timber

North bdy. T5N. R5E. Continued.

chs.	
37.00	Descend and leave aspen
39.70	Bottom of gulch drains S10°E. Ascend
40.00	Set a boulder 18x13x9. ins. 12 ins. in ground for 1/4 sec. cor. marked 1/4 on N. face and raised mound stone 2 ft base 1½ ft. high N of cor. Pits impracticable. Ascend
51.20	Top of ridge bears N and S. Descend
64.00	Foot of ridge. Descend gradually
80.00	The cor of Tps. 5 and 6 N. Rs. 5 and 6 E. and mountainous

Soil gravelly 2nd and 3rd rates
Timber Aspen on 6.30 chs.
Mountainous land 80.00 chs.

Aug 12 1899

For general description see notes of subdivisions of this township.

Frank E. E. Baxter
David H Blossom
U.S. Dep Surveyors.

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FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by .....

....., United States Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the survey of .....

.....

showing the respective capacities in which they acted:

....., *Chainman.*

....., *Chainman.*

....., *Moundman.*

....., *Moundman.*

....., *Axman.*

....., *Axman.*

....., *Flagman.*

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted .....

....., United States Deputy Surveyor, in surveying all those parts or portions of the .....

.....

.....

..... of the .....

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

....., *Chainman.*

....., *Chainman.*

....., *Moundman.*

....., *Moundman.*

....., *Axman.*

....., *Axman.*

....., *Flagman.*

.....

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

.....

SEAL

.....

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BOOK A-201

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, ..., United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from ..... United States Surveyor General for ....., bearing date of the ..... day of ....., 189 , I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for ....., the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of .....

.....

.....

.....

..... of the ..... meridian, in the ..... of ....., which are represented in the foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for ..... and in the specific manner described in the field notes, and that the foregoing are the original 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.

.....

United States Deputy Surveyor.

Subscribed by said ....., and sworn to before me this ..... day of ....., 189

SEAL

.....

.....

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City Utah October 4th 1900, 189

The foregoing field notes of the survey of the North Boundary of Township 5 North Range 5 East of the Salt Lake Base & Meridian

executed by Frank E. Baxter & David H. Blossom under ~~his~~ them contract No. 223, dated January 21st, 1899, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Jacob B. Blain

United States 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.

.....

United States Surveyor General.

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BOOK A-261

FIELD NOTES

OF THE ~~SURVEY OF THE~~ Retracement

East Boundary

of

T5N - R5E

Of the Salt Lake Base and Meridian,

State of Utah

AS SURVEYED BY

Frank E Baxter and David H Blossom United States Deputy Surveyors

Under ~~his~~ their Contract No. 223, dated January 21, 1899 & Nunc pro tunc Special Instructions dated June 11 1900

~~Survey~~ Tacement commenced August 13, 1899

~~Survey~~ Tacement completed August 13, 1899

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Retracement E. Bdry high M. Cho. Ck. 4-11-04 ✓

NAMES AND DUTIES OF ASSISTANTS.

J. W. Chase	Chainman
J. W. Dougall	Chainman
Dorsey Herr	Chainman
Austin Roylance	Ch.
Joseph Bagley	Monuman
Leonard Diamond	Monuman
Leonard Diamond	Axman
Thos. S. Roylance	Axman
Harry Rager	Flagman
Chas. C. Friel	Flagman

For preliminary affidavits see book "C"

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BOOK A-251

INDEX DIAGRAM.

Township....., *Range*.....

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

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 over 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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Retracement of the E bdy of T5N R5E

chains

Retracement commenced Aug 13 1899.
and executed with two W and L E Gurley
light mountain transits with solar attach
ments for a description of which see book
a and for test of solar appara
tus book 75
At 8 00 am lmt, we set off 41° 8' N
on the lat arc 14° 38' N on the decl arc
and determine a true meridian with
the solar at the old 1/4 sec cor bet
secs 25 and 30 Tps 5N Rs 5 and 6 E which
is a sandstone 12x12x10 ins above ground
marked and witnessed as described by
the Surveyor General
Thence we run
North on a retracement line bet secs 25
and 30
over mountainous land through oak
and sagebrush descend
26.00 Ravine drains N W ascend
30.00 Point of spur projects N W thence along
W slope
39.96 Intersect old cor of secs 19, 24, 25 and 30
which is a sandstone 10x8x8 ins above
ground marked and witnessed as describ
ed by the Surveyor General
Land mountainous
Soil gravelly 3rd rate
No timber
Mountainous land and dense under
growth on 39.96 chs.

North on retracement line bet 19 and 24
over rough mountainous land through
oak brush descend gully
11 00 Commence ascend abruptly
25.00 Top of ridge bears N 25 W & S 25 E descend
abruptly

Retracement of E. bdy. of T5N R5E continued

chs	
35.00	Enter thick oak brush
40.00	Fall 10 lks. E of old 1/4 sec. cor. which is a sand stone 10 x 4 x 10 ins above ground marked and witnessed as described by the Surveyor General
50.00	Ravine drains N.E. ascend
55.00	Top of spur projects NE descend rapidly
79.97	Fall 19 lks. E of old cor of secs 13, 18, 19 and 24 which is a sand stone 12 x 6 x 12 above ground marked and witnessed as described by the Surveyor General The course of this line therefore N 0° 08' W Land mountainous Soil gravelly 3rd rat No timber Mountainous land and dense undergrowth on 79.97 chs.

North on retracement line bet secs 13 and 24 over rough mountainous land through oak brush descend

1.00	Perpendicular ledges 100 ft high thence in bottom of canon
12.50	Right fork of Francis canon creek 4 lks. wide 3 ins deep drains NW descend gritty
15.50	Perpendicular ledges 40 ft high thence ascend gradually
39.92	Fall 24 lks W of old 1/4 secs cor. which is a a sand stone 11 x 5 x 10 ins above ground marked as described by the Surveyor General; but with no witness points we raised a mound of stone 2 ft base 1 1/2 ft high W of cor Pits impracticable
44.50	Top of large spur projects N.W. descend abruptly also enter scattering aspens
71.50	Bottom of descent enter canon leave aspens enter willows
74.50	Bottom of Francis canon creek 4 lks

Retracement of E. bdy of Tp. 5 N. R. 5 E. - continued

chs.	
	wide 6 ins deep drains S 85° W
75.50	Wagon road bears S 85° W and N 85° E
	also Leave cañon ascend
79.50	Spring on line
81.33	Fall 47 lks W of old cor of secs 7, 12, 13, and 18 which is a sand stone 18 x 10 x 6 ins above ground marked as described by the Surveyor General but with no witness point; we raised a mound of stone 2 ft base 1½ ft high W of cor Pits impracticable.
	The course of this line is therefore N 0° 20' E
	Land mountainous
	Soil gravelly and Rocky 3rd and 4th rates
	Timber scrub aspins 27.00 chs
	Mountainous land and dense undergrowth on 81.33 chs
	Aug 13 1899 at 12 m l.m.t. the sky was overcast sun not visible
	North on retracement line bet secs 7 and 12 over rough mountainous land through oak brush ascend abruptly
.10	Sandstone ledge 20 ft high ascend abruptly
20.00	Commence ascend gently
40.48	Fall 23 lks W. of old ¼ sec. cor. which is a boulder 10 x 8 x 6 ins above ground marked and witnessed as described by the Surveyor General
58.30	Top of ridge bears N 85 E and S 85° W descend
72.00	Enter scrub aspins
77.00	Leave same
80.58	Fall 45 lks W of old cor of secs 1, 6, 7, and 12 which is a boulder 8 x 6 x 8 ins above ground marked and witnessed as described by the Surveyor General
	The course of this line is therefore N 0° 19' E
	Land mountainous
	Soil gravelly and Rocky 3rd and 4th rates

Retracement of the E bdy of T5N R5 E continued

Chs.	
	No timber Mountainous land and dense undergrowth on 80.58 chs
	North on retracement line bet secs 1 and 6 over mountainous land ascend gently
2.50	Top of spur projects NW descend abruptly
4.00	Enter scrub aspens & willows
7.00	Leave same
36.00	Bottom of Trail canon spring branch 3 lks wide 3 ins deep drains SW descend
38.00	Road bears NE and SW
40.05	Fall 4 lks W of old 1/4 secs cor, which a a sand stone 12 x 8 x 7 ins above ground marked as described by the Surveyor General but with no witness posts: we raised a mound of stone 2 ft base 1 1/2 ft high W of cor. Pits impracticable thence ascend abruptly
42.00	Sand stone ledges 20 ft high
50.00	Top of abrupt ascent thence ascend gently
79.20	Intersect N bdy and fall 9 lks W of old cor. of Tps 5 and 6 N Rs 5 and 6 E which is a sand stone 8 x 8 x 6 ins above ground marked and witnessed as described by the Surveyor General The course of this line is therefore N 0° 04' E Land Mountainous Soil gravelly and Rocky 3rd and 4th rates No timber Mountainous land and dense under-growth on 79.20 Aug 13 1899

For general description see note of subdivisions of this township.

Frank E. Dexter
David A. Blossom
U.S. Dep Surveyors.

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by ..... United States Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the survey of ..... showing the respective capacities in which they acted:

..... *Chainman.*

..... *Chainman.*

..... *Moundman.*

..... *Moundman.*

..... *Axman.*

..... *Axman.*

..... *Flagman.*

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted ..... United States Deputy Surveyor, in surveying all those parts or portions of the ..... of the ..... meridian, ... of ....., which are represented in the foregoing field notes as having been surveyed by him and under his direction; and that said survey has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the corner monuments established, according to the instructions furnished by the United States Surveyor General for

..... *Chainman.*

..... *Chainman.*

..... *Moundman.*

..... *Moundman.*

..... *Axman.*

..... *Axman.*

..... *Flagman.*

.....

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

SEAL

.....

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FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, ..., United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from ..... United States Surveyor General for ....., bearing date of the ..... day of ....., 189 , I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for ....., the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of .....

.....

.....

.....

..... of the .....

..... meridian, in the ..... of ....., which are represented in the foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for ..... and in the specific manner described in the field notes, and that the foregoing are the original 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.

.....

United States Deputy Surveyor.

Subscribed by said ....., and sworn to before me this ..... day of ....., 189

SEAL

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City Utah, October 5th 1900, 189

The foregoing field notes of the ~~survey~~ Replacement of the East Boundary of Township 5 North Range 5 East of the Salt Lake Base & Meridian

executed by Frank E. Baxter & David H. Blossom under ~~his~~ their contract No. 223, dated January 21, 1899, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Jacob B. Blain

United States 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.

.....

United States Surveyor General.

U.S. Dep. Surveyors.

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BOOK A-261

H.J.B.

FIELD NOTES

OF THE SURVEY OF THE

East Boundary

of

T5N - R5E

Of the Salt Lake Base and Meridian,

State of Utah

AS SURVEYED BY

rank E Boxter and David H Blossom United States Deputy Surveyor,

Under ~~his~~ their Contract No. 223, dated January 21, 1899

Survey commenced August 14, 1899

Survey completed August 14, 1899

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E. Bodey high

M. Cho [illegible]
6-02-26

[illegible] A-251

NAMES AND DUTIES OF ASSISTANTS.

J. M. Chase	Chainman
J. M. Dougall	Chainman
Dorsey Herr	Ch
Austin Roylance	Ch
Joseph Bagley	Mounder
Leonard Diamond	Mound
Leonard Diamond	Axman
Thos S Roylance	Axman
Harry Rager	Flagman
Chas C Friel	Fl

See preliminary affidavits see book "K"

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U.S. Dep Surveyors.

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BOOK A-261

INDEX DIAGRAM.

Township....., *Range*.....

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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 over 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 .....

..... , *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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U.S. Dep. Surveyors.

E bdy of T5N R5E

Chains

Survey commenced Aug 14-1899 and executed with two W and L. E. Gurley light mountain transits with solar attachments for a description of which see book A
and for a complete test of solar apparatus see book 75
Knowing from previous retracements of the E bdy of Tp5N R5E that a double set of 1/4 sec. and sec. cors. would be necessary on the E. bdy. of Tp. 5 N R. 5 E, we proceed as follows:
At 8h 00m a.m. l.m.t. we set off 41°07'W on the lat arc 14°20'N on the decl. arc, and determine a true meridian with the solar at the standard closing cor. of Tps 4 and 5 N R. 5 E. set by us in the survey of the 1st Standard parallel North
Thence we run
North on the E. bdy. of sec 36
over rough mountainous land through aspens descend
4.00 Leave aspens E. and W.
13.00 Enter aspens
19.00 Commence ascend abruptly leave aspens
27.00 Top of spur projects W thence along W slope over short spurs and hollows
38.00 Conglomerate pinacle 30 ft high
40.00 Set a sand stone 14 x 8 x 6 ins 9 ins in the ground for 1/4 sec cor marked 1/4 on W face; and raise a mound of stone 2 ft base 1½ ft high W of cor
Pits impracticable
41.22 Intersect 1/4 sec cor previously set by us in the survey of the fractional part of the E bdy of this Tp. we destroy all marks on this cor pertaining to R. 5 E.
57.00 Bottom of wide hollow drains S.15W. ascend gently on E. slope

East bdy T5N R5E continued

chs	
80.00	Set a sand stone 16 x 10 x 4 ins 11 ins in the ground for cor of secs 25 and 36 marked with 1 notch on S and 5 notches on N edges: and raise a mound of stone 2 ft base 1½ ft high W of cor. Pits impracticable Land mountainous Soil gravelly and rocky 3rd and 4th rates Timber aspens on 8.00 chs Mountainous land and dense under growth on 80.00 chs.
	North on E bdy of sec 25 over mountainous land through oak brush ascend
1.22	Intersect cor of secs 25, 30, 31 and 36 previously set by us in the survey of the fractional part of this Tp, we destroy all marks on this cor. pertaining to R. 5 E.
11.75	Top of ridge bears N.85 W. and S.85 E. descend also enter aspens
13.00	Leave aspens E and W
17.00	Enter aspens
22.00	Bottom of draw drains S.E ascend
35.00	Top of divide bet. Echo and Lost Creek drainage bears NE and SW descend
40.00	Set a sand stone 16 x 10 x 7 ins 11 ins in the ground for cor. sec cor marked 1/4 on W face and raise a mound of stone 2 ft base 1½ ft high W of cor Pits impracticable
41.22	Intersect old 1/4 sec. cor. heretofore described we destroy all marks on old cor. pertaining to R. 5 E.
67.22	Ravine drains N.W. ascend
71.22	Point of spur projects N W thence along

East bdy T5N R5E continued

chs.	
	W slope.
80.00	Set a sand stone 16x12x4 ins 11 ins in the ground for cor of secs 24 and 25 only marked with 2 notches on S and 4 notches on N edges, and raise a mound of stone 2 ft base 1½ ft high W of cor.
	Pits impracticable.
	Land mountainous
	Soil gravelly 3rd rate
	No timber only scrub aspens
	Mountainous land and dense under growth on 80,00 chs
	North on the E bdy of sec 24 over rough mountainous land through oak brush descend gently
1,18	Intersect old cor of secs 19, 24, 25 and and 30 heretofore described we destroy all marks on old cor pertaining to R.5 E.
	Thence we run N 0° 08' W
12,18	Commence ascend abruptly
26.18	Top of ridge bears N. 25° W. and S. 25° E. descend abruptly
36,18	Enter thick oak brush
40 00	Set a sand stone 16x9x5 ins 11 ins in the ground for 1/4 sec cor marked 1/4 on W face and raise a mound of stone 2 ft base 1½ ft high W of cor.
	Pits impracticable
41 18	Intersect old 1/4 sec. cor. heretofore described we destroy all marks on this cor. pertaining to R5 E
51,18	Ravine drains NE ascend
55,18	Top of spur projects NE descend abruptly
80,00	Set a sand stone 16x12x4 ins 11 ins in the ground for cor of secs 13 and 24 only marked with 3 notches on S and W

chs.

edges; and raise a mound of stone 2 ft base 1½ ft high W of cor.
Pits impracticable
Land mountainous
Soil gravelly 3rd rate
No timber
Mountainous land and dense under growth on 80.00 chs

N 0° 08' W on the E bdy sec 13 over rough mountainous land through oak brush descend

1.15 Intersect old cor of secs 13, 18, 19 and 24 heretofore described, we destroy all marks on this cor pertaining to R5E.

Thence we run N 0° 08' E.

2.15 Perpendicular ledges 100 ft high thence in bottom of cañon

13.65 Right fork of Francis Cañon creek 4 lks wide 3 ins deep drains N W descend gently

16.65 Perpendicular ledges 40 ft high thence ascend gradually

40.00 Set a sand stone 16 x 10 x 8 ins 11 ins in the ground for 1/4 sec. cor. marked 1/4 on W face; and raise a mound of stone 2 ft base 1½ ft high W of cor.
Pits impracticable

41.07 Intersect old 1/4 sec. cor. heretofore described we destroy all marks on this cor. pertaining to R5E.

45.65 Top of large spur projects N W descend abruptly also enter aspens

72.65 South side Francis Cañon leave aspens enter willows.

75.65 Bottom of Francis cañon creek 4 lks wide 6 ins deep drains N 85° W.

76.65 Wagon road bears N 85° W and S 85° E also leave cañon ascend

80.00 Set a sand stone 16 x 10 x 8 ins 11 ins in

chs.

the ground for cor of secs 12 and 13 only marked with 4 notches on S and 2 notches on N edge; and raise a mound of stone 2 ft base 1½ ft high W of cor Pits impracticable

Land mountainous

Soil gravelly and Rocky 3rd and 4th rates

Timber scrub aspens 27.00 chs

Mountainous land and dense under-growth on 80.00 chs

Aug 14 1899 at this cor we set off 14° 16' N on the decl. arc; and at 12h 00m m. l.m.t. we observe the sun on the meridian the resulting lat is 49° 10' N

N 0° 20' E on the E bdy of sec 12 over mountainous land through oak brush ascend abruptly

8.65 Sighting on Cinn

2.48 Intersect old cor of secs 7, 12, 13 and 18 heretofore described, we destroy all marks on this cor pertaining to R. 5 E.

From this cor we run

N 0° 19' E

2.58 Sand stone ledge 20 ft high ascend abruptly

22.48 Commence ascend gently

40.00 Set a quartzite boulder 16 x 10 x 6 ins 11 ins in the ground for 1/4 sec. cor. marked 1/4 on W face; and raise a mound of stone 2 ft base 1½ ft high W of cor Pits impracticabl

42.96 Intersect old 1/4 sec. cor. heretofore described, we destroy all marks on this cor pertaining to R 5 E

60.78 Top of ridge bears N 85° E and S 85° W descend

74.48 Enter scrub aspens

79.48 Leave same

80.00 Set a boulder 16 x 12 x 6 ins 11 ins in the ground for cor of secs 1 and 12 only marked with 1 notch on N and 5 notches

East bdy. T. 5 N. R. 5 E. continued

chs	
	on ledges: and raise a mound of stone 2 ft base 1½ ft high W on cor.
	Pits impracticable
	Land mountainous
	Soil gravelly and rocky 3rd and 4th rate
	No timber
	Mountainous land and dense under growth on 80.00 chs
	N 0° 19' E on the E bdy of sec. 1 over mountainous land ascend gently
3.06	Intersect old cor. of secs. 1. 6. 7. and 12 heretofore described we destroy all marks on this cor. pertaining to R. 5 E.
	From this cor we run N 0° 4' E
5.56	Top of spur projects N.W. descend abruptly
7.06	Enter scrub aspens and willows
10.06	Leave same
39.06	Bottom of Trail Canon spring branch 3 lks wide 3 ins. deep drains SW ascend
40.00	Set a sand stone 13 x 6 x 5 ins 9 ins in the ground for 1/4 sec cor. marked 1/4 on W face: and raise a mound of stone 2 ft base 1½ ft high W of cor.
	Pits impracticable
41.06	Road bears NE and SW
48.11	Intersect old 1/4 sec. cor. heretofore described we destroy all marks on this cor. pertaining to R. 5 E. ascend abruptly
50.06	Sand stone ledges 20 ft high
53.06	Top of abrupt ascent thence ascend gently
82.26	Intersect cor. of Tp. 5 and 6 N R. 5 and 6 E. heretofore described
	Land mountainous
	Soil gravelly and rocky 3rd and 4th rates
	No timber
	Mountainous land and dense undergrowth on 82.26 chs

Aug 14 1899

Line designated	True Bearing	Dist	Lat N	Lat S	Dep E	Dep W	
		Chs	Chs	Chs	Chs	Chs	
G Meridian E	North	480	480.00				✓
T5NR5E	N89.48E	456.28	1.5		456.28		✓
T5NR5E	S0°04W	79.20		79.20		0.09	✓
" "	S0°19W	80.58		80.5		0.45	✓
" "	S0°20W	81.33		81.33		0.47	✓
" "	S0°08E	79.97		79.97	0.19		✓
	South	161.18		161.1			✓
Stand Parallel N	West	337.60				337.60	✓
" " "	N89.48	40.00	0.17			40.00	✓
" " "	N89.42	80.03	0.4			80.03	✓
Vargency					0.63		
	Totals		482.18	482.26	457.10	458.64	✓
				482.1		457.10	✓
	Error in Lat			.08	Error in Dep	1.54	✓

For general description see notes of subdivisions of this township.

Francis E. Baxter
David H. Blossom.
U.S. Dep Surveyors.

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FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by ..... United States Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the survey of ..... showing the respective capacities in which they acted:

..... *Chainman.*

..... *Chainman.*

..... *Moundman.*

..... *Moundman.*

..... *Axman.*

..... *Axman.*

..... *Flagman.*

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted ..... United States Deputy Surveyor, in surveying all those parts or portions of the ..... of the ..... meridian, ... of ....., which are represented in the foregoing field notes as having been surveyed by him and under his direction; and that said survey has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the corner monuments established, according to the instructions furnished by the United States Surveyor General for .....

..... *Chainman.*

..... *Chainman.*

..... *Moundman.*

..... *Moundman.*

..... *Axman.*

..... *Axman.*

..... *Flagman.*

.....

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

SEAL

.....

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FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, _____ United States Deputy Surveyor, solemnly swear that, in pursuance of a contract received from _____ United States Surveyor General for _____, bearing date of _____ day of _____, 189 , I have well, faithfully, and truly, in my proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for _____, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of _____

_____

_____

_____

_____ of the _____ meridian, in the _____ of _____, which are represented in the foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for _____ and in the specific manner described in the field notes, and that the foregoing are the original 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.

_____
United States Deputy Surveyor.

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

SEAL

_____

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL.

Salt Lake City, Utah, October 8th 1900, 189

The foregoing field notes of the survey of the East Boundary of Township 5 North Range 5 East of the Salt Lake Base & Meridian

executed by Isaac E. Baxter & David H. Blossom under the contract No. 223, dated January 21, 1899, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Jacob B. Blair
United States 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.

_____
United States Surveyor General.

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BOOK A-261

FIELD NOTES

OF THE SURVEY OF THE

K.J.B.

Subdivisions

of

T5N R5E

Of the Salt Lake Base and Meridian,

State of Utah

AS SURVEYED BY

Frank E Baxter and David H Blossom, United States Deputy Surveyor,

Under ~~his~~ their Contract No. 223, dated January 21, 1899

Survey commenced August 15, 1899

Survey completed " 21, 1899

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Subs - high m. chs. sts. 58- 53- 51 ✓
" discrep - 1- 33- 72 ✓

NAMES AND DUTIES OF ASSISTANTS.

J. W. Chase	Chainman
J. W. Dougall	Chainman
Dorsey Harr	Chainman
Austin Roylance	Chainman
Joseph Bagley	Monuman
Leonard Diamond	Monuman
Leonard Diamond	Axman
Thos S Roylance	Axman
Harry Rager	Flagman
Chas C Friel	Flagman

For preliminary affidavits see book "C"

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INDEX DIAGRAM.

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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 over 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

.....

Subdivision T5N. R5E.

Chains

Survey commenced Aug. 15. 1899: and was executed with two W and S.E. Gurley light mountain transits with solar attachments, for a description of which see book A

For complete test of solar apparatus see notes of exteriors of this township book Z5

Aug. 15. 1899: At 8h 00m A.M. l.m.t. we set off 41°07' N. on the lat. arc, 14°01' N. on the decl. arc, and determine a true meridian with the solar at the cor. to secs. 35 and 36. on the S. bdy of Tp. heretofore described. Thence in run N. 0°1' W. bet. secs 35 and 36

Over rough mountainous land, through oak, service berry and patches of sage, brush. Ascend.

13.33 Top of Pinacle 30 ft. high 20 ft. diam. also spur projects S.E. thence along N.E. slope. Descend.

19.00 Bottom of hollow drains E. Ascend.

28.18 Top of spur projects E. Descend.

31.00 Enter aspens. bear E and W. Descend

40.00 Set a cobble stone 14x10x8 ins. 9 ins. in ground for 1/4 sec. cor. marked 1/4 on W. face from which

An aspen 5 ins. diam. bears S 77° E. 10 lks. dist. marked 1/4 S 36 B.T.

An aspen 6 ins. diam. bears N 35° W. 20 lks. dist. marked 1/4 S. 35 B.T.

45.00 Leave aspens

50.00 Commence steep ascent.

63.22 Top of spur projects E. Descend.

71.00 Bottom of ravine drains. S.E. Ascend.

80.00 Set a sand stone 16x12x4 ins. 11 ins. in ground for cor. of secs. 25. 26. 35 and 36. marked with 1 notch on S and E. edges. and raised mound stone 2 ft. base 1½ ft. high W. of cor. Pits impracticable. Sand mountainous.

Chs.	
	Soil rocky 3rd rate
	Timber aspen 14.00 chs.
	Mountainous land & undergrowth 80.00 chs.
	East on random line bet. secs. 25 and 36.
	Over broken spurs and hollows, on S. slope
40.00	Set temp. 1/4 sec. cor.
57.50	Intersect E. bdy. of tp. at cor. of secs 25 and 36
	Thence we run
	West on true line bet. secs. 25 and 36.
6.50	Bottom of small hollow drains S. also Enter aspens, leave oak and sage brush. Ascend gently
9.50	Leave scrub aspen and thick brush
12.50	Set a red sand stone 16x6x6 ins. 11 ins. in ground for 1/4 sec. cor. marked 1/4 on N. face and raise mound of stone 2 ft. base 1½ ft. high N. of cor. Pits impracticable.
19.50	Top of spur projects S. Descend abruptly.
36.50	Bottom of small hollow drains S. Ascend.
44.00	Top of spur projects S. Descend.
53.50	Bottom of small hollow drains S. Ascend.
57.50	The cor. of secs. 25, 26, 35 and 36.
	Land mountainous
	Soil rocky 3rd rate
	Timber scrub aspens 3.00 chs.
	Mountainous land & underbrush 57.50 chs.
	N 0° 1' W. bet. secs. 25 and 26
	Over mountainous land, through oak and sage brush. Ascend
11.50	Top of divide bet. Echo and Lost creek drainage bears E and W. Descend
15.00	Enter scrub aspens, willows and choke cherry bushes
19.00	Head of ravine drains E. thence along

Chs.

rough E. slope over spurs and hollows
Leave scrub aspens and willows
25.00 Enter scrub aspens and willows
29.00 Leave same. Enter oak and service berry
40.00 Set cobble stone 13x8x6 ins. 9 ins. in ground for 1/4 sec. cor. Marked 1/4 on N. face and raise mound stone 2 ft. base 1½ ft. high N. of cor. Pits impracticable. Located in small hollow drains E. Ascend
43.00 Top of spur projects N.E. Descend.
47.00 Bottom of ravine drains N.E. Ascend abruptly
51.39 Top of spur projects N.E. Descend abruptly
58.00 Enter scrub aspen
63.00 Bottom of ravine near head drains E. Leave aspens. Ascend.
68.00 Top of spur projects E. Descend abruptly.
73.00 Bottom of ravine drains E. Ascend abruptly.
78.49 Top of spur projects E. Descend.
80.00 Set a cobble stone 15x8x6 ins. 10 ins. in ground for cor. of secs. 23, 24, 25 and 26 marked with 2 notches on S 1 notch on E. edges and raise mound stone 2 ft. base 1½ ft. high N. of cor. Pits impracticable.
Land mountainous
Soil rocky, gravelly and loam 2nd and 3rd rate
No timber
Mountainous land & undarbrush 80.00 chs.

E. on random line bet. secs. 24 and 25.
Over mountainous land, through dense oak service berry, and scattering sage brush.
40.00 Set temp. 1/4 sec. cor.
57.58 Intersect E. bdy. of Tp. 5 lks. N. of cor. of secs. 24 and 25.
Thence we run
N 89° 57' W on true line bet. secs. 24 and 25.
Descend abruptly.
7.60 Ravine drains N.W. Ascend abruptly

Subdivision T5N.R.5E. Continued

Chs.	
17.58	Set a cobble stone 16X10X6 ins. 11 ins. in ground for 1/4 sec. cor. marked 1/4 on N. face and raise mound stone 2 ft. base 1½ ft. high N. of cor. Pits impracticable.
27.60	Top of spur projects N.W. Descend steep.
42.58	Bottom of Ravine drains N.E. Ascend abruptly Enter aspens.
45.60	Leave scrub aspens
57.58	The cor. of secs. 23, 24, 25 and 26
	Land mountainous
	Soil gravelly 3rd rate.
	Timber scrub aspens 3.02 chs.
	Mountainous land & undergrowth 57.58 chs.
	Aug. 15. 1899: At this cor we set off 13° 37' N. on the decl. arc: and at 12h 00m M. L.m.t. we observe the sun on the meridian, the resulting lat. is 41° 09' N.

	N. 0° 1' W. bet. secs. 23 and 24
	Over mountainous land, through oak, service berry and scattering patches of scrub aspens. Descend
22.00	Enter thick underbrush.
26.50	Bottom of junction of two Ravines, the main one drains N. 26 W. the other N.E. Ascend steep.
29.00	Leave thick brush, enter scattering oak brush.
35.00	Ledge about 40 ft. high in the form of a pinnacle
40.00	Set a sand stone 24X12X6 ins. 18 ins. in ground for 1/4 sec. cor. marked 1/4 on N. face and raise mound stone 2 ft. base 1½ ft. high N. of cor. Pits impracticable.
	thence along S. slope of ridge.
64.00	Top of spur projects N.W. Descend.
72.00	Bottom of head of Ravine drains N.W. Ascend.
80.00	Top of ridge bears N.W. and S.

Subdivision T5N.R5E. Continued.

chs.	
	Set a sand stone 16x12x6 ins. 11 ins. in ground for cor. of secs. 13, 14, 23 and 24. marked with 1 notch on the E. and 3 notches on S. Edges; and raise mound stone 2 ft. base 1½ ft. high N. of cor. Pits impracticable.
	Sand mountainous
	Soil gravelly and stony 3rd rate
	No timber
	Mountainous land & dense undergrowth 80.00 chs.
	S89°57'E. on random line bet. secs. 13 and 24.
	Over rough mountainous land, through Oak and sage brush.
40.00	Set temp ¼ sec. cor.
57.40	Intersect E. bdy. of tp. 5 lks. S. of cor. of secs. 13 and 24.
	Thence we run
	West on true line bet. secs. 13 and 24.
	Ascend abruptly.
6.50	Top of spur projects N.E. Ascend.
9.40	Enter scrub aspens, leave oak and sage brush
17.00	Bottom of ravine drains N.E. Ascend
17.40	Set a sand stone 16x12x8 ins. 11 ins. in ground for ¼ sec. cor. marked ¼ on N. face; and raise mound of stone 2 ft. base 1½ ft. high N. of cor. Pits impracticable.
19.40	Enter oak brush, leave scrub aspens.
24.50	Top of spur projects N.E. Descend
31.00	Bottom of gulch drains N.E. Ascend.
55.50	Top of ridge bears N.W. and S. Descend
57.40	The cor. of secs. 13, 14, 23 and 24.
	Sand mountainous
	Soil gravelly and stony 3rd rate.
	Timber, scrub aspens. 10.00 chs.
	Mountainous land & dense undergrowth 57.40 chs.

Subdivision T5N.R.5E. Continued.

Chs.	
	N.0°1'W. bet. secs. 13 and 14.
	Over mountainous land, through scattering oak, juniper and sage brush.
	Descend on N. slope of spur projects N.
15.00	Enter a patch of scrub aspens and willows.
18.00	Leave the same near N.W. and S.E.
40.00	Set a sand stone 16x12x8 ins. 11 ins. in ground for 1/4 sec. cor. marked 1/4 on N. face; and raise mound stone 2 ft. base 1½ ft. high N. of cor. Pits impracticable.
	Descend steep.
53.00	Enter pine timber, bear E. and N.
58.00	Bottom of Francis Canon, leave pine timber.
59.50	Creek 8 lks. wide 6 ins. deep drains N.W.
60.00	Road bears N.E. and S.W.
61.00	Commence ascend abruptly in cliffs and ledges
66.00	Top of a bright ascent
80.00	Set a sand stone 18x14x6 ins. 12 ins. in ground for cor. of secs. 11, 12, 13 and 14. Marked with 1 notch on E. and 4 notches on S. edges; and raise mound of stone 2 ft. base 1½ ft. high N. of cor. Pits impracticable.
	Land mountainous
	Soil rocky and gravelly 3rd and 4th rates.
	Timber pine 8.00 chs.
	Mountainous land and undergrowth 80.00 chs.

East on random line bet. secs. 12 and 13.
Over rough mountainous land, along the S. slope, amongst broken rock and through oak and sage brush.

40.00	Set temp. 1/4 sec. cor.
57.70	Intersect E. bdy. of tp. 3 lks. N. of cor. of secs. 12 and 13.
	Thence we run
	N.89°58'W. on a true line bet. secs. 12 and 13.
	Ascend abruptly.

Subdivision T. 5 N. R. 5 E. Continued

Chs	
9.70	Descend
17.70	Set a sand stone 18x10x6 ins. 12 ins. in g for 1/4 sec. cor. marked 1/4 on N. face: and mound stone 2 ft. base 1½ ft. high N. of cor. Pits impracticable.
21.70	Bottom of small draw drains S. Ascend over conglomerate boulders
48.70	Top of spur projects S.E. Descend.
57.70	The cor. of secs. 11, 12, 13 and 14. Land mountainous Soil rocky 4th rate No timber Mountainous land & undergrowth 57.70 chs.
	N 0° 1' W. bet. secs. 11 and 13 Cross ascending rocky mountainous land, through oak, service and sage brush.
40.00	Top of ridge bears E and W. Set a cobble stone 14x10x6 ins. 9 ins. in ground for 1/4 sec. cor. marked 1/4 on W. face, and raise mound of stone 2 ft. base 1½ ft. high W. of cor. Pits impracticable. Descend on steep N. slope through thick scrub aspen, choke cherry, rose and dark bushes
44.00	Leave scrub aspens.
60.00	Perpendicular ledge 40 ft. high bears E and W.
63.00	Head of draw drains N 35° W. Enter willows and scrub aspens. Descend gently.
72.00	Leave willows and scrub aspens. Enter oak and sage brush draw drains N
80.00	Set a sand stone 15x10x4 ins. 10 ins. in ground for cor. of secs. 1, 2, 11 and 12. marked with 1 notch on E. and 5 notches on S. Edges: and raise mound stone 2 ft. base 1½ ft. high W. of cor. Pits impracticable. Land mountainous.

Chs.	
	Soil rocky and gravelly 3rd rate.
	No timber.
	Mountainous land & underbrush 80.00 chs.
	Aug 15 1899.
	Aug 16. 1899. At 8h 00m A.M. G.M.T. we set off 41° 11' N. on the lat. arc. 13° 42' N. on the decl. arc and determined a true meridian with the solar at the cor. of secs. 1, 2, 11 and 12.
	Thence we run
	S 89° 58' E on a random line bet. secs. 1 and 12.
	Over mountainous land, descending on N. slope through oak, service and sage brush.
40.00	Set temp. 1/4 sec. cor.
58.32	Intersect E. bdy. of Tp. 3 N. S. cor. of secs. 1 and 12.
	Thence we run
	N. on true line bet. secs. 1 and 12.
	Descend.
7.32	Enter aspen, leave sage brush.
9.30	Bottom of draw drains N.W. Ascend.
18.32	Set conglomerate stone 16 x 10 x 8 ins. 11 ins. in ground for 1/4 sec. cor. marked 1/4 on N. face; and raise mound stone 2 ft. base 1½ ft. high N. of cor. Pits impracticable located on steep N.E. slope.
19.00	Top of steep ascent, then descend
	Leave scrub aspens
38.30	Enter Aspen
40.00	Gulch drains N. Leave scrub aspens.
	Ascend
58.32	The cor. of secs. 1, 2, 11 and 12.
	Land mountainous.
	Soil gravelly 3rd rate
	No timber
	Mountainous land & undergrowth 58.32 chs.

Subdivision T5N.R.5E. continued.

chs

Knowing from the survey of the exterior lines of this Tp. that closing cors. would be necessary on the N. bdy. we therefore run
N 0° 1' W. on true line bet. secs. 1 and 2.
Over rough mountainous land, through oak and sage brush.
Descend gently.
2.50 Commence abrupt descent over ledges
8.00 Bottom of Cañon Creek 6 lks. wide 3 ins. deep runs S 75° W. thence ascend abruptly over ledges
12.00 Pace level E. & W.
18.00 Commence to ascend gently.
40.00 Set a cobble stone 14x10x8 ins. 9 ins. in ground for 1/4 sec. cor. marked 1/4 on N. face and raised mound stone 2 ft. base 1½ ft. high N. of cor. Pits impracticable.
Ascend steep
62.00 Top of spur projects S.E. also enter patches of large brush.
82.30 Intersect N. bdy. Tp. 21.67 chs. N 89°44' E of cor. of secs. 1, 2, 35 and 36. We destroy all marks at this cor. pertaining to secs. 1 and 2. and at the point of intersection we set a cobble stone 14x8x8 ins. 9 ins. in ground for closing cor. of secs. 1 and 2. marked C.C. on S. with 1 groove on E. and 5 grooves on N. faces. and raise mound stone 2 ft. base 1½ ft. high S. of cor. Pits impracticable. from this cor a spring bears S E 4.00 chs dist
Land mountainous
Soil rocky and gravelly 3rd and 4th rates
No timber
Mountainous land dense undergrowth 82.30 chs.

Subdivision T5N.R5E. Continued.

chs.	
	From Standard cor. of secs. 34 and 35 on S bdy of Tp.
	We run
	N0°2'W. bet. secs. 34 and 35
	Ascend through oak brush.
3.00	Small spur projects E. Descend.
5.00	Small draw drains E. Ascend.
10.00	Spur slopes E. Descend
16.00	Enter aspen timber.
20.00	small spring 1.00 ch. W. of line.
22.00	Bottom of ravine drains S.E. Ascend.
30.00	Leave aspen timber and Ascend abruptly.
40.00	Set a sand stone 30x12x6 ins. 22 ins. in ground for 1/4 sec. cor. marked 1/4 on W. face and raised mound of stone 2 ft. base 1½ ft. high W. of cor. Pits impracticable.
48.00	Top of steep spur projects S.E. Descend
60.00	Head of draw drains S20°E. Ascend
73.00	Top of ridge bears E and W. Descend
75.00	Enter scrub aspens
80.00	Set a sand stone 16x8x5 ins. 11 ins. in ground for cor. of secs. 26, 27, 34 and 35 marked with 1 notch on S. and 2 notches on E. edges. from which.
	An aspen 6 ins. diam. bears N25°E 27 lks. Dist. marked T5N.R5E. S.26 B.T.
	An aspen 5 ins. diam. bears S8°E. 54 lks. dist. marked T5N.R5E. S.35 B.T.
	An aspen 4 ins. diam. bears S50°W. 56 lks. dist. marked T5N.R5E. S.34 B.T.
	An aspen 5 ins. diam. bears N47°W. 12 lks. dist. marked T5N.R.5E. S.27 B.T.
	Land mountainous
	Soil gravelly 3rd and 4th rates.
	Grazing good
	Timber aspen 14.00 chs.
	Mountainous land 80.00 chs.

Subdivision T5N. R5E. Continued.

chs

E. on random line bet. secs. 26 and 35.
40.00 Set temp 1/4 sec. cor.
79.93 Intersect N and S. line 35 lks. N. of cor. of secs. 25, 26, 35 and 36
Thence we run
N 89° 45' W. on true line bet. secs. 26 and 35.
10.00 Head of draw drains S.E. Ascend.
15.00 Ridge bears N 20° E and S. 20° W. Descend.
25.00 Head of ravine drains N. Ascend.
32.00 Top of spur projects N. also enter aspen. Descend.
39.00 Leave aspens.
39.97 Set a sandstone 20x12x3 ins. 15 ins. in ground for 1/4 sec. cor. marked 1/4 on N. face: from which
An aspen 6 ins. diam. bears N 2½° W. 86 lks. dist. marked 1/4 S. 26 B.T.
An aspen 4 ins. diam. bears S 14° 45' E. 187 lks. dist. marked 1/4 S. 35 B.T.
44.00 Enter aspens and willows
47.0 Head of draw drains N. Ascend
53.00 Leave underbrush
55.00 Top of ridge bears N and S. Descend
75.00 Bottom of head of draw drains N. Ascend
77.00 Enter aspen trees bear N.E. and S.W.
79.93 The cor. of secs. 26, 27, 34 and 35
Land mountainous
Soil gravelly 3rd and 4th rates. Grazing good.
Timber Aspen on 19.00 chs.
Mountainous land on 79.93 chs.
Aug. 16, 1899: At this cor. we set off 13° 39' N. on the decl. arc, and at 12h 00m M. l.m.t. we observe the sun on the meridian, the resulting lat. is 41° 8' N.

N 0° 2' W. bet. secs. 26 and 27.
Descend through aspens.
6.00 Bottom of hollow drains N.E. for 5.00 chs. into main ilch which drains N 15° W. Ascend.

Subdivision T5N.R.5E. Continued.

Chs.	
	Leave aspens. Enter oak brush
20.00	Top of spur projects S.E. Descend.
23.00	Enter aspens
33.00	Bottom of gulch drains N15°W. water in places.
40.00	Set a sand stone 18x12x11 ins. 12 ins. in ground for 1/4 sec. cor. marked 1/4 on W. face: from which An aspen 6 ins. diam. bears E. 14 lks. dist. marked 1/4 S.26 B.T. An aspen 4 ins. diam. bears N47½°W. 45 lks. dist. marked 1/4 S.27 B.T. Ascend along W. slope of ridge
43.00	Leave aspens. Enter oak brush
71.00	Top of spur projects W. Descend
78.00	Commence very abrupt descent over conglomerate ledges
80.00	Set a boulder 12x7x6 ins. 8 ins. in ground for cor. of secs. 22, 23, 26 and 27 marked with 2 notches on S and E. edges. and raised mound of stone 2 ft. base 1½ ft. high W. of cor. Pits impracticable. Land mountainous Soil gravelly 3rd and 4th rates Timber, aspen on 26.00 chs. Mountainous land on 80.00 chs.

	S89°45' E. on random line bet. secs. 23 and 26.
10.00	Set temp. 1/4 sec. cor.
79.75	Intersect N and S. line 35 lks. S. of cor. of the cor. of secs. 23, 24, 25 and 26. Thence we run W. on true line bet. secs. 23 and 26. Descend.
3.75	Enter oak brush.
9.75	Head of draw drains N.E. Ascend through dense oak brush
15.70	Top of large spur projects N15°W. Descend.
37.75	Bottom of ravine drains N15°W. Ascend, enter pines

Subdivision T5N. R5E. Continued.

Chs.	
39.87	Set a boulder 16×12×8 ins. 11 ins. in ground for 1/4 sec. cor. marked 1/4 on N. face; from which A pine 24 ins. diam. bears N 15½° E 30 lks. dist. marked 1/4 S. 23 B.T.
	A pine 8 ins. diam. bears S 66° E. 26 lks. dist. marked 1/4 S. 26 B.T.
45.70	Top of rocky point projects N. Descend
50.75	Leave pine timber.
	Bottom of hollow drains N.E. Ascend
65.25	Leave dense oak brush.
66.25	Top of ridge bears N and S. Descend abruptly.
79.75	The cor. of secs. 22, 23, 26 and 27
	Land very rough and mountainous
	Soil rocky 3rd and 4th rates.
	Timber pine and aspen on 13.50 Chs.
	Mountainous land 79.75 Chs.
	N 0° 2' W. bet. secs. 22 and 23
	Descend over rough conglomerate ledges and pinacles, through dense oak brush.
20.00	Bottom of canon drains N 75° E. Ascend.
36.00	Top of rocky spur projects E. Descend
	Enter oak brush.
40.00	Set a boulder 18×12×10 ins. 12 ins. in ground for 1/4 sec. cor. marked 1/4 on W. face; and raise mound stone 2 ft. base 1½ ft. high W. of cor. Pits impracticable. Descend abruptly
45.00	Bottom of ravine drains S 75° E.
	leave oak brush. Ascend abruptly.
58.20	Top of ridge bears bears N 80° W. and S 80° E. Descend.
63.00	Bottom of gully drains E. Ascend abruptly.
75.00	Top of spur projects E. Descend.
77.00	Enter conglomerate pot holes & pinacles.
80.00	Set a boulder 14×10×8 ins. 9 ins in ground for cor. of secs. 14, 15, 22 and 23. marked

Chs. Subdivision T.5 N. R.5 E. continued.

with 2 notches on E. and 3 notches on S. faces and raised mound stone 2 ft. base 1½ ft. high N of cor. Pits impracticable. Cor. located on N. edge of pot holes, slopes abruptly to E.
Land mountainous
Soil rocky 4th rate
No timber
Mountainous land on 80.00 chs.

E. on random line bet. 14 and 23.
40.00 Set temp. ¼ sec. cor.
79.60 Intersect N and S. line 28 lks. S. of cor. of secs. 13, 14, 23 and 24.
Thence we run
S 89° 48' W on true line bet. secs. 14 and 23.
Descend.
7.00 Enter oak brush.
20.00 Conglomerate ledges.
25.00 Small draw drains S. leave oak brush.
39.80 Set a boulder 16 x 14 x 5 ins. 11 ins. in ground for ¼ sec. cor. marked ¼ on N face, and raise mound of stone 2 ft. base 1½ ft. high N of cor. Pits impracticable.
42.50 Point of spur projects S.
54.00 Bottom of main canon, also spring branch 2 lks. wide, drains N.
Enter oak brush. Ascend
70.00 Enter ledges of conglomerate and pot holes, leave brush.
79.60 The cor. of secs. 14, 15, 22 and 23.
Land mountainous
Soil rocky 4th rate
No timber
Mountainous land and underbrush 79.60 chs.
Aug. 16, 1899.

Subdivision T.5 N. R.5 E. Continued

Chs.	
	Aug. 17, 1899: At 8h 00m A.M. l.m.t, we set off 41° 10' N on the lat. arc, 13° 23' N. on the Decl. arc, and determine a true meridian at the cor. of secs. 14, 15, 22 and 23.
	Thence we run
	N 0° 2' W. bet. secs. 14 and 15;
	Descend abruptly.
13.00	Bottom of ravine drains N.E. Ascend.
25.00	Top of spur projects S.E. Descend slightly.
40.00	In small swale drains S.E.
	Set a conglomerate stone 18 x 12 x 6 ins. 12 ins. in ground for 1/4 sec. cor. marked 1/4 on N. face; and raise mound stone 2 ft. base 1½ ft. high N. of cor. Pits impracticable. Ascend.
45.00	Top of ridge bears N 20° E and S 20° W. Descend gradually along W. slope
76.00	Descend abruptly: Enter aspens.
78.00	Leave aspens: Enter Mahogany
80.00	Set a boulder 14 x 8 x 5 ins. 9 ins. in ground for cor. of secs. 10, 11, 14 and 15 marked with 2 notches on E. 4 Notches on S. Edges. and raise mound stone 2 ft. base 1½ ft. high N. of cor. Pits impracticable. No trees suitable for B.T.
	Land mountainous.
	Soil gravelly 3rd rate
	Timber Aspen on 200 chs.
	Mountainous land 80.00 chs.

	N. 89° 48' E. on random line bet. secs. 11 and 14.
	Along N. slope of ridge: through scrub Mahogany
40.00	Set temp 1/4 sec. cor.
79.49	Intersect N and S. line 7 lks. S. of cor. of secs. 11, 12, 13 and 14.
	Thence we run
	S 89° 45' W. on true line bet. secs. 11 and 14.

Chs.	
	Ascend
6.00	Top of spur projects S. Descend abruptly through oak brush.
37.50	Top of perpendicular ledge 75 ft. high Descend abruptly.
39.20	Wagon road bears N.W. and S.E.
39.75	Set a boulder 18×14×10 ins. 12 ins. in ground for 1/4 sec. cor. marked 1/4 on N. face: and raise mound stone 2 ft. base 1½ ft. high. N. of cor. Pits impracticable.
40.25	Creek 10 lks. wide drains N.W.
41.00	Fence across canon bears N. and S.
49.50	Bottom of canon S. side
56.90	Ascend abruptly out of Francis canon, also Enter pine timber.
76.50	Leave pine timber
79.49	The cor. of secs. 10.11.14 and 15
	Land mountainous
	Soil rocky 4th rate
	Timber pine on 19.60 chs.
	Mountainous land 79.49 chs.

	N 0° 2' W. bet. secs. 10 and 11
	Descend abruptly.
11.00	Foot of steep descent, Enter Francis canon
13.00	Francis Creek 10 lks. wide drains N.W.
13.50	Wagon road bears N.W. and S.E.
18.00	Top of conglomerate ledges, N. side of canon Ascend
35.00	Top of ridge bears E. and W. Descend.
40.00	Set a boulder 20×16×8 ins. 15 ins. in ground for 1/4 sec. cor. marked 1/4 on W. face: and raise mound stone 2 ft. base 1½ ft. high W. of cor. Pits impracticable.
43.00	Enter scattering pine timber and descend very abruptly
54.00	Enter Trail fork canon. dry wash in

Chs.

bottom.
Leave pine timber.
54.50 Wagon road bears E and N.
55.50 Ascend abruptly over conglomerate ledges.
63.00 Top of ledges.
80.00 Set a sand stone 14x10x4 ins 9 ins in the ground for cor of secs. 2, 3, 10 and 11 marked with 5 notches on S and 2 notches E edges and raise a mound of stones 2 ft base 1½ ft high
W. of cor Pits impracticable

Sand Mountainous
Soil rocky 4th rate
Timber pine on 11.00 chs.
Mountainous land 80.00 chs.

N 89°45' E. on random line bet. secs. 2 and 11.
Over rough mountainous land on S. slope.
and through scattering Mahogany, oak and sage brush
40.00 Set. temp. 1/4 sec. cor.
79.60 Intersect N and S. line 14 lks. N. of Cor. of secs. 1, 2, 11 and 12
Thence we run
S 89°54' W. on true line bet. secs. 2 and 11
Descend gently.
9.60 Descend abruptly.
14.60 Mouth of Bear gulch, foot of abrupt descent.
22.50 Enter Canon
24.60 Creek 4 lks. wide 3 ins. deep runs S. W.
35.60 W. side Trail canon, foot of perpendicular cliff 300 ft. high Road bears SW and NE
36.60 Top of cliff, on point projects S. thence descend perpendicular cliff 300 ft. high.
38.60 Bottom of gulch drains S. Ascend abruptly
39.80 Set. a sand stone 10x8x4 ins 10 ins in the ground for 1/4 sec cor marked 1/4 on N

Chs.	
	face: and raise a mound of stone 2 ft base 1½ ft high N of cor Pits impracticable
40.60	Top of abrupt ascent.
49.50	Point of spur projects S. Ascend
56.00	Bottom of gulch drains S. Ascend.
79.60	The cor. of secs. 2, 3, 10 and 11
	Land mountainous
	Soil rocky and stony 4th rate
	No timber
	Mountainous land & some undergrowth 79.60 chs.

	For reasons already stated we have
	No. 2 N. on true line bet. secs. 2 and 3.
	Ascend abruptly,
7.50	Rock ledge E. and 30 ft. high bears E and N.
	thence along W. slope of ridge
27.00	Descend abruptly and enter dense underbrush
33.00	Bottom of deep ravine drains N.
	Ascend.
40.00	Top of spur slopes N. Descend
	Set a sand stone 16 x 10 x 6 ins. 11 ins. in ground
	for ¼ sec. cor. marked ¼ on N. face and
	raise mound of stone 2 ft. base 1½ ft.
	high N. of cor. Pits, impracticable.
43.85	Bottom of ravine drains S. & N. ascend.
56.00	Top of ridge bears E and N. Descend
66.00	Enter willows
81.00	Leave willows
81.60	Bottom of ravine drains N 60° N. Ascend.
82.12	Intersect N. bdy. Tp. 22.30 chs. N 89° 48' E
	of cor. of secs. 2, 3, 34 and 35, we destroy
	all marks pertaining to secs. 2 and 3
	on this cor. and at the point of
	intersection we
	Set a sand stone 18 x 12 x 8 ins. 12 ins. in
	ground for closing cor. of secs 2 and 3
	marked C. C. on S. with 3 grooves on E
	and 4 grooves W. faces, and raise

Subdivision T5N. R5E. Continued.

hs

mound of stone 2 ft. base 1½ ft. high S. of cor. Pits impracticable.
Sand mountainous
Soil rocky and stoney 4th rate
No timber
Mountainous land 82.12 chs.
Aug. 17. 1899. At this cor. we set off 13°20' N. on the decl. arc. and at 12h 00m M. l.m.t. we observe the sun on the meri the resulting lat. is 41°12' N.

From standard cor. on S. bdy. of Tp. bet. secs. 33 and 34 bucetofree dismelid recrun N 0° 2' W. bet. secs. 33 and 34
Descend rapidly.
16.00 Bottom of ravine drains N.W.
Leave timber. Ascend.
26.00 Top of spur projects W. Descend.
30.50 Bottom of cañon drains W.
Enter oak brush.
40.00 Set a sand stone 19×11×7 ins. 14 ins. in ground for ¼ sec. cor. marked ¼ on W. face: and raise mound of stone 2 ft. base 1½ ft. high W. of cor. Pits impracticable.
51.20 Top of ridge bears E and W. From this point coal mine bears N 53° W.
Descend.
52.00 Enter willows and scrub aspens, Descend abruptly.
68.50 Bottom of ravine drains W. leave aspens
Ascend
80.00 Set a sand stone 20×12×6 ins. 15 ins. in round for cor. of secs. 27. 28. 33 and 34 marked with 1 notch on S. 3 notches on E. edges and raise mound stone 2 ft. base 1½ ft. high W. of cor. Pits impracticable.
and mountainous
Soil rock 3rd rate, Grazing good

Chs.	
	Timber, pine 16.00 chs. scrub Aspen 32.80 chs. Mountainous land 80.00 chs.
	E. on random line bet. secs. 27 and 34.
40.00	Set temp. 1/4 sec. cor.
79.95	Intersect N and S. line 25 chs. N. of cor. of secs. 26, 27, 34 and 35.
	Thence west
	N 89° 29' W. on true line bet. secs. 27 and 34.
	Descend.
11.00	Draw drains N.E. Ascend
20.00	Top of spur slopes N.
22.00	Head of draw drains N.
38.15	Leave Aspens.
38.80	Top of main ridge bears N and S. Descend
39.97	Set a sand stone 20x12x4 ins. 15 ins. in ground for 1/4 sec. cor. marked 1/4 on N. face and raised mound stone 2 ft. base 1 1/2 ft. high N. of cor. Pits impracticable.
62.00	Bottom of wide draw drains S.W. thence W. Enter oak brush. Ascend
79.95	The cor. of secs. 27, 28, 33 and 34
	Land mountainous
	Soil gravelly 3rd and 4th rates.
	Timber Aspen on 38.15 chs.
	Mountainous land 79.95 chs.
	N. 0° 2' W. bet. secs. 27 and 28
	Ascend.
5.00	Point of spur slopes S.W. thence along E. edge of spur
10.00	Top of spur bears N.E. and S.W. Descend
13.00	Enter brush
23.00	Head of hollow drains W. Ascend
	Leave brush.

Subdivision T5N.R5E. Continued.

chs.	
31.00	Top of ridge bears N 75° W and S 75° E. Descend.
32.00	Enter aspens and willows.
40.00	On S. side of sage brush opening Set a sand stone 16X15X7 ins. 11 ins. in ground for 1/4 sec. cor. marked 1/4 on W. face. from which. An aspen 6 ins. diam. bears N 76½° W. 22 lks. dist. marked 1/4 S. 28 B.T. An aspen 4 ins. diam. bears S 29½° E 25 lks. dist. marked 1/4 S. 27 B.T.
40.50	Leave aspens and willows.
48.00	Enter aspens and willows
61.00	Bottom of swamp drains W. Ascend.
62.00	Leave Aspens and willows. Ascend abruptly
80.00	Top of ridge bears N 75° W. and S 75° E. Set a sand stone 19X15X7 ins. 14 ins. in ground for cor. of secs. 21, 22, 27 and 28 marked with 2 notches on S and 3 notches on E. edges: and raise mound stone 2 ft. base 1½ ft. high W. of Cor. Pits impracticable. Land mountainous Soil gravelly 3rd and 4th rates. Timber, scrub Aspen on 22.50 chs. Mountainous land 80.00 chs.

S 89°49' E. on random line bet. secs. 22 and 27

40.00	Set temp. 1/4 sec. cor.
80.04	Intersect N and S. line 14 lks. W. of cor. of secs. 22, 23, 26 and 27

Thence we run N 89°43' W on true line bet. secs. 22 and 27

Descend

8.00	Bottom of gulch drains N 25° E. Ascend through scattering aspens.
28.00	Leave Aspens. Enter sage brush. Ascend gently.
37.00	Enter scrub aspens and willows.

Chs.	
39.00	Ascend abruptly.
40.02	Set a boulder 14x10x6 ins. 9 ins. in ground for 1/4 sec. cor. marked 1/4 on N. face. and raise mound of stone 2 ft. base 1½ ft. high N. of cor. Pits impracticable. Ascend.
50.00	Top of ridge bears N10°W. and S10°E. Descend.
66.00	Head of small draw drains S.W. Ascend.
76.00	Top of ridge bears N.E. and S.W.
80.04	The cor. of secs. 21, 22, 27 and 28. Land mountainous Soil gravelly 3rd and 4th rates. No timber except scrub aspen Grazing fair. Mountainous land and dense underg. 80.04 Chs.

N0°2'W. bet. secs. 21 and 22.
Descend.

20.00	Enter willows
27.00	Bottom of hollow and head of draw drains N.W. Leave willows. Ascend.
40.00	Top of spur slopes W. Set a boulder 16x12x10 ins. 11 ins. in ground for 1/4 sec. cor. marked 1/4 on W. face. and raise mound stone 2 ft. base 1½ ft. high W. of cor. Pits impracticable. Descend.
44.00	Enter aspens.
49.00	Bottom of hollow drains N.W. Leave aspens and willows. Ascend
62.00	Top of small ridge bears E and W. Descend
63.00	Enter aspens
68.00	Bottom of hollow drains N75°W. Ascend Leave aspens and willows
80.00	Set a sand stone 20x10x6 ins. 15 ins. in ground

Subdivision T5N.R5E. Continued.

Chs.	
	for cor. of secs. 15, 16, 21 and 22. marked 5N. on NE and 5E. on SW. faces with 3 notches on the S and E. edges: and raised mound stone 2 ft. base 1½ ft. high W. of cor.
	Pits impracticable.
	Land mountainous
	Soil rocky 3rd and 4th rates
	No timber except scrub aspen
	Mountainous land 80.00 chs.
	Aug. 17. 1899.
	Aug. 18, 1899: At 8h 00m A.M. l.m.t. we set off 41°10' N. on the lat. arc: 13°04' N. on the decl. arc and determine a true meridian with the solar at the cor. of secs. 15, 16, 21 and 22.
	Thence we run
	S89°43' E. on random line bet. secs. 15 and 22.
40.00	Set temp ¼ sec. cor.
79.85	Intersect N and S. line 14 lks. S. of cor. of secs. 14, 15, 22 and 23
	Thence we run
	N89°49' W. on true line bet. secs. 15 and 22.
	Descend through dense oak brush.
9.00	Head of ravine drains N. Ascend.
14.00	Top of spur slopes N. Descend
20.00	Ravine drains N 75° E. Ascend
38.00	Top of ridge bears N and S.
	Descend gradually along N. slope.
59.92	Set a boulder 16×10×6 ins. 11 ins. in ground for ¼ sec. cor. marked ¼ on N. face: and raise mound stone 2 ft. base 1½ ft. high N. of cor. Pits impracticable.
49.00	Head of swale drains N. Ascend
	Enter aspens (scrub.)
67.00	Leave scrub aspens
68.00	Top of ridge bears N and S. Descend.
79.85	The cor. of secs. 15, 16, 21 and 22.
	Land mountainous
	Soil rocky 3rd and 4th rates.

Subdivision T5N. R5E. Continued.

chs.	
	No timber except scrub aspens. Indications of coal along this line. Mountainous land 77.85 chs.
	N 0° 2' W. bet. secs. 15 and 16. Ascend.
2.70	Top of spur projects W. Descend. Coal prospect of Wm Lucas, A.C. Cameron and H.C. Smith bears N 67° 41' W.
9.50	Enter dense brush.
12.50	Bottom of draw drains, W. Ascend. Leave brush.
30.00	Top of saddle in ridge bears N.W. and S.E. Descend along N.E. slope.
40.00	Set a sand stone 18x12x4 ins. 12 ins. in ground for 1/4 sec. cor. marked 1/4 on W. face; and raise mound stone 2 ft. base 1½ ft. high W. of cor. Pits impracticable
45.00	Descend rapidly; enter scrub aspens and willows
49.00	Bottom of hollow drains N.E. Leave brush Ascend.
67.00	Top of spur slopes E.
70.00	Head of draw drains E. Ascend through brush.
76.00	Top of ridge bears, S.W. and N.E. Leave brush, Descend.
80.00	Set a sand stone 18x8x4 ins. 12 ins. in ground for cor. of secs. 9, 10, 15 and 16. marked with 3 notches on E. and 4 notches on S. Edges. and raise mound stone 2 ft. base 1½ ft. high W. of cor. Pits impracticable. Land Mountainous Soil gravelly 3rd rate. No timber Mountainous land 80.00 chs. Indications of coal.

Subdivision T5N. R5E. Continued.

Chs.	
	S89°49'E. on random line bet. secs. 10 and 15;
	Over ascending land
40.00	Set temp. 1/4 sec. cor.
79.80	Intersect N and S. line 20 chs. S. of cor. of secs. 10, 11, 14 and 15;
	Thence we run
	N89°58'W. on true line bet. secs. 10 and 15;
	Ascend gradually
3.80	Top of spur slopes N.W. Descend abruptly.
14.80	Bottom of gully drains N. Ascend abruptly.
25.00	Top of abrupt ascent, thence along N. side of ridge, through dense oak brush.
29.00	Top of ridge bears N and S. Descend.
39.90	Set a sand stone 18x6x4 ins. 12 ins. in ground for 1/4 sec. cor. marked 1/4 on N. face; and raise mound stone 2 ft. base 1½ ft. high N. of cor. Pits impracticable.
41.80	Enter aspens
53.00	Leave aspens
53.25	Bottom of Cañon drains N.E. Dry wash in bottom. Ascend abruptly through oak brush
74.80	Top of ridge bears N20°E. and S20°W. Descend
79.80	The cor. of secs. 9, 10, 15 and 16
	Land mountainous
	Soil gravelly 3rd rate
	No timber except scrub aspen.
	Mountainous land 79.80 chs.

	N0°2'W. bet. secs. 9 and 10.
	Descend.
12.50	Enter aspens
29.00	Leave aspens.
35.00	Enter scrub aspens.
40.00	Set a boulder 14x8x6 ins. 9 ins. in ground for 1/4 sec. cor. marked 1/4 on N. face; which
	An aspen 3 ins. diam. bears N68°E. 24 lks.

Subdivision T5N. R5E. Continued.

chs.	
	dist. marked 1/4 S. 10 B.T.
	An aspen 3 ins. diam. bears S49°W. 22 lks.
	dist. marked 1/4 S. 9 B.T.
40.10	Leave aspens.
42.00	Enter brush
45.00	Leave brush
53.00	Point of spur projects NW descend
57.85	Enter cañon bottom
59.50	Francis Creek drains W. 5 lks wide
62.80	Cross wagon road bears E and W.
64.00	Ascend abruptly over conglomerate ledges 50 ft. high bear E and W.
80.00	Set a sand stone 18x10x8 ins. 12 ins. in ground for cor. of secs. 3, 4, 9 and 10, marked with 3 notches on E. 5 notches on S. edges and raise mound of stone 2 ft. base 1½ ft. high W. of cor. Pits impracticable.
	Land mountainous
	Soil gravelly 3rd rate
	Timber Aspen on 21.60 chs.
	Mountainous land 80.00 chs.
	Aug. 18. 1899: At this cor we set off 13°00' N. on the decl. arc, and at 12h 00m M. l.m.t. we observe the sun on the meridian, the resulting lat. is 41°11' N.
	S89°58' E. on random line bet. Secs. 3 and 10.
	Over rough mountainous land, through sage brush. Ascending
40.00	Set temp. 1/4 sec. cor.
79.65	Intersect N and S. line 18 lks. S. of cor of secs. 2, 3, 10 and 11
	Thence we run
	S89°54' W on true line bet. secs. 3 and 10
	Ascend through Mahogany and thick oak brush.
5.60	Top of ridge bears N.E. and S.W. Leave mahogany and thick brush. Descend
34.50	Top of steep descent

Subdivision T5N.R.5E. Continued

Chs.	
38.60	Bottom of cañon, also spring branch 4 lks. wide 2 ins. deep runs S 25° W. Ascend rapidly
39.82	Set a sand stone 16x12x3 ins. 11 ins. in ground for 1/4 sec. cor. marked 1/4 on N. face; and raise mound stone 2 ft. base 1½ ft. high N. of cor. Pits impracticable. located 1 ch. from bottom of ravine and spring branch.
51.65	Top of spur projects S. Descend abruptly.
68.60	Bottom of gulch drains S. ascend.
79.65	The cor. of secs. 3, 4, 9 and 10.
	Land mountainous
	Soil stony and gravelly 4th rate
	No timber
	Mountainous land dense undergrowth 79.65 chs.
	For reasons already explained we run
	N 0° 2' W. on true line bet. secs. 3 and 4.
	Ascend gradually.
21.50	Top of ridge bears E. and W. Descend.
27.00	Draw drains W. Descend gradually along W. slope.
40.00	Set a sand stone 17x8x4 ins. 11 ins. in ground for 1/4 sec. cor. marked 1/4 on W. face; and raise mound of stone 2 ft. base 1½ ft. high W. of cor. Pits impracticable.
42.00	Foot of slope: Enter sage brush flat.
74.16	Left bank of Lost Creek
	Set a boulder 16x10x8 ins. 11 ins. in ground for witness cor. to closing cor. of secs. 3 and 4 marked W.C. C.C. on S. with 3 grooves on the E and W. faces: and raise mound of stone 2 ft. base 1½ ft. high S. of cor. Pits impracticable
82.00	Intersect N. bdy. Tp. 22.90 chs. N 89° 48' E. of cor. of secs. 33 and 34. destroy all marks at this cor. pertaining to secs. 3 and 4.
	The point of intersection falls in center of Lost Creek therefore closing cor. could not be set.

chs.	
	Land mountainous.
	Soil gravelly 3rd and 4th rates.
	No timber
	Mountainous land on 8200 chs.
	From this standard cor. of secs. 32 and 33 on N. bdy. of Tp. run
	N. 0° 3' W. bet secs. 32 and 33
	Over rough mountainous land, through dense undergrowth of oak, willows and choke cherry bushes. Descend.
2.00	Enter scrub aspens and thick patches of willows.
19.00	Bottom of ravine drains N.E. also heavy scrub aspens, willow and choke cherry bushes. and Enter thick oak brush. Ascend.
40.00	Set a sand stone 16x10x8 ins. 11 ins. in ground for 1/4 sec. cor. marked 1/4 on N. face and raise mound of stone 2 ft. base 1½ ft. high N. of cor. Pits impracticable.
41.50	Conglomerate ledges 300 ft. high
	Leave oak brush.
43.50	Leave ledges. Commence to descend
65.00	Enter scrub aspens
70.00	Bottom of Toom canon drains N.W.
	Ascend gently
73.00	Leave scrub aspens.
80.00	Set a cobble stone 16x11x10 ins. 11 ins. in ground for cor. of secs. 28, 29, 32 and 33 marked with 1 notch on S. and 4 notches on E. edges and raised mound stone 2 ft. base 1½ ft. high N. of cor. Pits impracticable.
	Land mountainous
	Soil loam, gravelly and rocky 2nd 3rd and 4th rates
	No timber
	Mountainous land and undergrowth 8000 chs.

Subdivision T5N. R5E. Continued.

Chs.	
	E. on random line bet. secs. 28 and 33
40.00	Set temp. 1/4 sec cor
79.85	Intersect N and S. line 6 lks N. of cor. of secs. 27, 28, 33 and 34
	Thence we run
	N 89° 57' W. on true line bet. secs. 28 and 33
	Descend rapidly
19.85	Log cabin 14.00 chs. S. of line
21.85	Coal mine or prospect S. 12.00 chs.
37.00	Conglomerate pinacle 2.00 chs. wide
38.00	Conglomerate S. edge. Descend gradually.
39.92	Set a sand stone 14 x 10 x 6 ins. 9 ins in ground for 1/4 sec. cor. Marked 1/4 on N. face; and raise mound stone 2 ft. base 1½ ft. high N of cor. Pits impracticable.
	The cor. is located 50 lks N. from bottom of ravine.
	Morgan Coal Cos. mine bears N 0° 30' W. 5.49 chs. dist. Size of tunnel 5 x 5 ft. course N 34° E. dip 14° 40'.
45.35	Cabin. line N. side
47.00	Bottom of ravine drains N 15° W. thence along S. slope
49.00	Prospect tunnel 11 chs. N. of line.
	Ascend
53.85	Log cabin 6.00 chs. N.
	Ascend abruptly, through thick brush and scattering pine.
60.00	Top of spur projects N.
69.80	Conglomerate pinacle
	Descend
79.85	The cor. of secs. 28, 29, 32 and 33
	Land mountainous
	Soil rocky and stony 3rd rate
	No timber
	Mountainous land and undergrowth 79.85 chs.

Subdivision T5N. R5E. continued.

Chs.	
	N 0° 3' W. bet. secs. 28 and 29
	Over rough mountainous land, through oak, service berry and sage brush.
1.50	Point of spur projects W. Descend.
5.00	Bottom of ravine drains W. Ascend gently.
9.00	Commence abrupt ascent Wagon road bears E and W
32.00	Top of spur projects W. Descend gently.
34.00	Enter scrub aspens and choke cherry bushes Descend steeper.
36.00	Leave scrub aspens and choke cherry bear E and W.
40.00	Set a sand stone 16x12x8 ins. 11 ins. in ground for 1/4 sec. cor. marked 1/4 on W. face! and raise mound stone 2 ft. base 1½ ft. high W. of cor. Pits impracticable.
50.00	Head of draw drains W. Ascend.
63.00	A conglomerate pinacle West of line 10 lks 40 ft. high.
65.00	Top of ridge bears N.W and S.E. Descend gently along E. slope.
80.00	Set a cobble stone 16x12x8 ins. 11 ins. in ground for cor. of secs. 20, 21, 28 and 29 marked with 2 notches on S. 4 notches on E. edges! and raise mound stone 2 ft. base 1½ ft. high W. of cor. Pits impracticable.
	Land mountainous
	Soil rocky and gravelly 3rd and 4th rates
	No timber
	Mountainous land dense undergrowth [illegible]
	S 89° 57' E on random line bet. secs. 21 and 28.
	Over rough mountainous land, through oak and sage brush
40.00	Set temp. 1/4 sec. cor.
79.90	Intersect N and S. line 16 lks. S. of cor. of secs. 21, 22, 27 and 28.
	Thence we run
	S 89° 56' W. on true line bet. secs. 21 and 28.
	Descend gently
18.00	Enter scrub aspens bear N and S. leave oak

Subdivision T5N.R5E. continued.

Chs.	
	and sage brush
22.00	Leave scrub aspens. also top of abrupt descent.
28.00	Bottom of left fork of Paradise Canon drains S.W. junction 5.00chs. S.W. Ascend.
32.00	Point of spur projects S..
	Descend along S. slope of spur.
36.00	Enter scrub aspens and willows. leave oak and sage brush.
38.00	Bottom of Paradise Canon drains N 25° W. Ascend.
39.95	Set a cobble stone 16x12x8 ins. 11 ins. in ground for 1/4 sec. cor. marked 1/4 on N. face and raise mound of stone 2 ft. base 1½ ft. high N. of cor. Pits impracticable.
47.00	Top of spur projects N. also leave scrub aspens and willows. Descend.
50.00	Bottom of small ravine drains N. Ascend
54.50	Top of spur projects N. Descend abruptly.
59.00	Bottom of ravine drains N. Ascend abruptly.
64.00	Top of spur projects N. Descend abruptly
72.00	Bottom of ravine drains N. Ascend abruptly.
79.90	The cor. of secs. 20, 21, 28 and 29.
	Land mountainous
	Soil gravelly and stony 3rd rate
	No timber
	Mountainous land & undergrowth 79.90chs.
	Aug 18, 1899.

Aug. 19. 1899: At 8h 00m A.M. l.m.t. we set off 12°44' N. on the decl. arc 41°9' N. on the lat. arc and determine the true meridian with the solar at the cor. of secs. 20, 21, 28 and 29.

Thence we run

N 0° 5' W. bet. secs. 20 and 21

Over rough mountainous land, through oak and sage brush. Descend.

25.00	Enter scrub aspens bear E and W.
36.00	Leave scrub aspens bear E and W.

Subdivision 45 N. R 5 E. Continued.

Chs.	
	also bottom Paradise Canon drains N.W. Ascend abruptly.
40.00	Set a cobble stone 16x10x8 ins, 11 ins in ground for 1/4 sec. cor. marked 1/4 on N. face and raise mound of stone 2 ft. base 1½ ft. high N. of cor. Pits impracticable.
	Also top of small spur projects N. Descend.
47.00	Bottom of small gulch drains S.W. Ascend.
53.00	Top of spur projects S.W. Descend.
66.00	Head of draw drains S.W. Ascend.
68.00	Top of ridge bears N.E. and S.W. Descend.
— 80.00	Set a boulder 18x12x10 ins, 12 ins, in ground for cor. of secs. 16, 17, 20 and 21 marked with 3 notches on S. and 4 notches on E. edges. and raised mound stone 2 ft. base 1½ ft. high N. of cor. Pits impracticable.
	Land mountainous
	Soil rocky and stony 4th rate
	No timber
	Mountainous land & undergrowth 80.00 chs.
	N 89° 56' E. on random line bet. secs. 16 and 21
40.00	Set temp 1/4 sec. cor.
80.00	Intersect N. and S. line 34 lks. N. of cor. of secs. 15, 16, 21 and 22.
	Thence we run
	N 89° 49' W. on true line bet. secs. 16 and 21.
	Descend.
40.00	Set a cobble stone 16x10x8 ins, 11 ins, in ground for 1/4 sec. cor. marked 1/4 on N. face and raise mound of stone 2 ft. base 1½ ft. high N. of cor. Pits impracticable
50.00	Bottom of ravine drains N 85° W.
	Continue descending
— 80.00	The cor of secs. 16, 17, 20 and 21.
	Land mountainous
	Soil stony and gravelly 3rd rate

Subdivision T5N.R.5E. Continued.

chs.	
	No timber Mountainous land dense undergrowth 80.00 chs.
	N 0° 3' W. bet. secs. 16 and 17 Descend
2.00	Bottom of gully drains N.W. Ascend abruptly
13.00	Top of spur projects S.W. Descend
20.00	Enter flat descending gently
20.00	Set a sand stone 16x10x6 ins. 11 ins. in ground for 1/4 sec. cor. marked 1/4 on W. face; and raise mound of stone 2 ft. base 1½ ft high W. of cor. Pits impracticable. Ascend gently
45.00	Top of small spur projects W. Descend
46.00	Bottom of hollow drains N.W. Ascend abruptly.
57.00	Top of spur projects W. Descend gently
80.00	Set a sand stone 18x12x8 ins. 12 ins. in ground for cor. of secs. 8, 9, 16 and 17, marked with 4 notches on the S and E. edges; and raise mound stone 2 ft. base 1½ ft. high W. of cor. Pits impracticable. Land mountainous Soil rocky 4th rate Mountainous land dense undergrowth on 80.00 chs.

Subdivision T5N.R.5E. Continued.

Chs.	
	S89°49'E. on random line bet. secs. 9 and 16. Over mountainous land. Ascending, and through sage brush.
40.00	Set temp. 1/4 sec. cor.
79.84	Intersect N and S. line at the cor. of secs. 9, 10, 15 and 16.
	Thence we run N89°49'W. on true line bet. secs. 9 and 16. Descend.
4.80	Enter aspens, leave oak brush. bears N and S.
9.00	Bottom of ravine near head drains N.E. Ascend
35.00	Leave scrub aspens bear N and S.
39.92	Set a cobble stone 14x8x6 ins. 9 ins. in ground for 1/4 sec. cor. marked 1/4 on N. face and raise mound of stone 2 ft. base 1½ ft. high N. of cor. located on E. slope near and S. of patch of willows. Pits impracticable.
44.00	Top of ridge bears N25°W. and S.E. Descend
79.84	The cor. of secs. 8, 9, 16 and 17.
	Sand mountainous.
	Soil, clay and gravelly 3rd rate
	Timber none
	Mountainous land & underg rowth 79.84 chs.
	Aug. 19, 1899. At this cor. we set off 12°41' N. on the decl. arc and at 12h 00m M.T. we observe the sun on the meridian the resulting lat. is 41°10' N.

	N0°3'W. bet secs. 8 and 9 Over descending mountainous land. and through burnt sage brush
	From this cor. the coal mine, whose claimants are William Lucas, A. C. Cameron and H. C. Smith, bears
	Main tunnel S77°54'W.
	Second tunnel S83°35'W.
26.60	Point of spur projects W. From this point

Subdivision T5N. R5E. Continued.

Chs.	
	on the line. the coal mine bears.
	Main tunnel S59°51' W.
	Second tunnel S63°56' W.
36.00	Head of draw drains W. Ascend gently.
40.00	Set a sand stone 16x10x8 ins. 11 ins. in ground for 1/4 sec. cor. marked 1/4 on W. face: and raise mound stone 2 ft. base 1½ ft. high W. of cor. Pits impracticable.
44.00	Top of small spur projects W. Descend abruptly.
46.00	Foot of abrupt descent, thence descend gently.
80.00	Set a cobble stone 16x10x10 ins. 11 ins. in gro for cor. of secs. 4.5.8 and 9. marked with 4 notches on E and 5 notches on S. edges: and raise mound stone 2 ft. base 1½ ft. high W. of cor. Pits impracticable.
	Land mountainous
	Soil stony and gravelly 3rd and 4th rates.
	Timber none.
	Mountainous land & undergrowth 80.00 chs.

	S89°49' E. on random line bet. secs. 4 and 9
	Over mountainous land, through sage and scattering oak brush.
40.00	Set. temp. 1/4 sec. cor.
79.90	Intersect N and S. line 5 lks. N. of cor. of secs. 3, 4, 9 and 10.
	Thence we run
	N89°47' W. on true line bet. secs. 4 and 9
	ascend
3.00	Top of spur projects S. Descend abruptly
6.00	Bottom abrupt. ascent.
37.00	Road bears NE. and SW.
32.00	Enter bottom of Francis Canon, also willows, thence along bottom of canon.
39.00	Francis Creek 10 lks. wide 6 ins. deep runs NW. also leave canon, ascend abruptly.
39.50	Leave willows.

Subdivision T5N. R5E. Continued.

chs.	
39.95	Set a sand stone 16x10x4 ins. 11 ins. in ground for 1/4 sec. cor. marked 1/4 on N. face: raise mound of stone 2 ft. base 1½ ft. high N. of cor. Pits impracticable.
50.00	Top of spur projects N. Descend.
79.90	The cor of secs. 4.5.8 and 9
	Sand mountainous.
	Soil gravelly and stoney 3rd and 4th rates
	Timber none
	Mountainous land & some undergrowth 79.90 chs.
	For reasons already explained we run
	N 0° 3' W. on true line bet secs. 4 and 5.
	Over rough mountainous land,
	Descend abruptly
0.50	Enter oak and willows, leave sage brush.
0.60	Francis canon Creek 10 lks. wide 6 ins. deep runs S.W. Junction of Lost crk. and Francis Canons 3.00 chs. W.
2.50	Seave willows
3.00	Road bears N.E. and S.W. Commence to ascend abruptly: Enter sage brush.
10.00	Top of spur projects W.
14.00	Commence descend abruptly.
16.00	Bottom of canon. Enter willows
18.00	Lost creek cañon creek 30 lks, wide 1 ft. deep runs S.W.
20.00	Seave willows: Enter sage and oak brush. Commence to ascend abruptly amongst ledges.
40.00	Top of abrupt ascent
	Set a sand stone 14x12x3 ins 7 ins. in the ground for 1/4 sec. cor. marked 1/4 on W. face: and raise mound of stone 2 ft. base 1½ ft. high W. of cor. Pits impracticable. Ascend gently.
46.00	Top of spur projects S.E.
	Descend gently.
50.00	Bottom of small draw drains S.E.

Subdivision T5N.R5E. - Continued

chs

Ascend gently

36.00 Top of spur projects S.E. Thence E. slope descending gently.

81.58 Intersect N. bdy. 23.29 chs. N 89° 48' E of cor. of secs. 32 and 33 we destroy all marks at this cor. pertaining to secs 4 and 5 and at the point of our intersection we set a sandstone 16 x 8 x 6 ins, 11 ins. in the ground for closing cor. of secs. 4 and 5. Marke C.C. on S. with 2 grooves on W and 4 gr on E. faces. and raise mound of stone 2 ft. base 1½ ft. high S. of Cor. Pits impracticable.

Land Mountainous

oil gravelly and stony 3rd and 4th rates.

No timber.

Mountainous land & undergrowth 81.58 chs.

Aug 19, 1899

Aug. 20, 1899: At 8h 00m A.M. l.m.t. we set off 41° 7' N. on the lat. arc, 12° 25' N. on the decl. arc: and determine the true meridian with the solar at the cor. of secs. 31 and 32 on S. bdy. of Tp. Thence we run

N 0° 4' W bet. secs 31 and 32

Over mountainous land, through oak and sage brush. Descend.

5.00 Bottom of small draw drains S.W. Ascend

26.50 Top of divide bet. Echo and Toone Canons: bears N 20° E. and S 20° W. Descend through thick brush along W. slope of ridge.

28.00 Enter scrub aspens and willows

35.00 Enter aspen timber.

40.00 Set a cobble stone 13 x 10 x 8 ins. 9 ins. in ground or 1/4 sec. cor. marked 1/4 on

Chs.	
	W. face: from which
	An aspen 5 ins. diam. bears N 75° W. 23 lks.
	dist. marked 1/4 S. 31 B.T.
	An aspen 4 ins. diam. bears S 85° E. 11 lks.
	dist. marked 1/4 S 32 B.T.
60.00	Leave aspens and patches of willows and
	choke cherry and enter oak brush.
80.00	Set a sand stone 16 x 12 x 6 ins. 11 ins. in
	ground for cor. of Secs. 29, 30, 31 and 32 mar-
	ked with 1 notch on S. 5 notches E. edges.
	and raise mound of stone 2 ft. base
	1½ ft. high W. of cor. Pits impracticable.
	Sand mountainous
	Soil loam and gravelly 2nd and 3rd rate.
	Timber Aspens on 25.00 chs.
	Mountainous land & undergrowth 80.00 chs.
	E. on random line bet. Secs. 29 and 32
	Over mountainous land, ascending through
	oak service and scattering sagebrush.
40.00	Set temp. 1/4 sec. cor.
79.65	Intersect N and S. line 15 lks. N. of cor. of secs.
	28, 29, 32 and 33.
	Thence we run
	N. 89° 54' W. on true line bet. Secs. 29 and 32.
	Descend gently
14.60	Bottom of Toone Cañon drains N. W.
	Enter oak and leave sage brush. Ascend abruptly.
30.00	Top of spur projects N 10° E. Descend abruptly.
39.82	Bottom of ravine drains N. E.
	Set a cobble stone 22 x 6 x 5 ins. 16 ins. in ground
	for 1/4 sec. cor. marked 1/4 on N. face and
	raise mound stone 2 ft. base 1½ ft. high
	N. of cor. Pits impracticable.
	Ascend abruptly.
68.50	Top of ridge bears N 10° W. and S. 10° E.
	Descend
79.65	The cor. of Secs. 29, 30, 31 and 32.

chs.

Land mountainous.
Soil gravelly 3rd rate
Timber none.
Mountainous land & undergrowth 79.65 chs.

N89°42'W on random line bet. secs. 30 and 31
Over mountainous land, through oak brush.
40.00 Set temp 1/4 sec. cor.
80.05 Intersect N. bdy. of Tp. 14 lks. N. of cor. of secs. 25.30.31 & 36 heretofore described
Thence west
S89°48'E. on true line bet. secs. 30 and 31
Descend
15.00 Bottom of ravine drains N30°W.
Ascend abruptly.
25.00 Top of abrupt ascent, then ascend gently.
40.05 Set a sand stone 18x12x6 ins. 12 ins. in ground for 1/4 sec. cor. marked 1/4 on N. face; and raise mound stone 2 ft. base 1½ ft. high
N. of cor. Pits impracticable.
50.00 Top of ridge bears N25°W. and S25°E.
Descend abruptly, through scrub aspen and brush.
65.00 Bottom of ravine drains N25°W.
Ascend steep N. slope
80.05 The cor. of secs. 29, 30, 31 and 32.
Land mountainous.
Soil gravelly 3rd rate
Timber, none
Mountainous land & undergrowth 80.05 chs.

N0°4'W. bet. secs. 29 and 30
Over rough mountainous land, through oak, service berry and sage brush
12.00 water drains W. Ascend
17.00 Large sand stone ledge on line

Subdivision T5N. R.5E. Continued

Chs.	
20.00	Top of spur projects N. Ascend gently.
30.00	Commence to descend abruptly through scrub aspens and thick oak brush.
40.00	Set a sand stone 18X12X6 ins. 12 ins. in ground for 1/4 sec. cor. marked 1/4 on N. face: and raise mound stone 2 ft. base 1½ ft. high N. of cor. Pits impracticable.
57.00	Leave scrub aspens and thick brush.
60.00	Bottom of Toone Canon, also Creek 4 lks. wide 2 ins. deep, drains N.W. Ascend gently in said Canon also enter sage and heavy other brush.
67.25	Road bears N.W. and S.E.
75.00	Commence to ascend abruptly.
80.00	Set a sand stone 16X12X6 ins. 11 ins. in ground for cor. of Secs. 19, 20, 29 and 30 Marked with 2 notches on S. 5 notches on E. edges: and raise mound of stone 2 ft. base 1½ ft. high N. of Cor. Pits impracticable.
	Land mountainous.
	Soil rocky and gravelly 3rd rate.
	No timber.
	Mountainous land dense undergrowth 80.00 chs.
	Aug 20, 1899: At this cor. we set off 12°21' N. on the decl. arc: and at 12h 00m M. l.m.t. observe the sun on the meridian the resulting lat. is 41°09' N.

S 89°54' E. on random line bet. Secs. 20 and 29.
Cross mountainous land, through oak and sage brush.

40.00	Set temp. 1/4 sec. cor.
79.77	Intersect N. and S. line 10 lks. N. of cor. of Secs. 20, 21, 28 and 29.

Thence we run
N 89°50' W. on true line bet. Secs 20 and 29.

1.00	Top of spur projects N. Ascend gently.
15.00	Bottom of draw drains N. also enter scrub

Subdivision T5N.R5E. Continued.

chs.	
	Aspens. Ascend
28.00	Leave aspens. enter oak and sage brush.
39.00	Top of divide bet. Toone and Paradise cañons bears N10°W and S10°E. also a spur projects N.
39.88	Set a sand stone 18x12x3 ins. 12 ins. in ground for 1/4 sec. cor. marked 1/4 on N. face and raise mound stone 2 ft. base 1½ ft. high N. of cor.
41.00	Commence to descend abruptly over rough S. slope.
79.77	The cor. of secs. 19, 20, 29 and 30
	Land mountainous
	Soil rocky and gravelly 3rd and 4th rates.
	Timber none
	Mountainous land & dense undergrowth 79.77 chs.
	N89°48'W. on random line bet. secs. 19 and 30. Over numerous small hollows and spurs on south slope of main ridge, through scattering cedars
40.00	Set temp. 1/4 sec. cor.
80.25	Intersect W. bdy. of Tp. 2 lks. S. of cor. of secs. 19 24 25 and 30 heretofore described
	Thence we run
	S89°47'E. on true line bet. secs. 19 and 30.
40.25	Set a sand stone 20x20x4 ins. 15 ins. in ground for 1/4 sec. cor. marked 1/4 on N. face: and raise mound of stone 2 ft. base 1½ ft. high N. of cor. Pits impracticable.
80.25	The cor of secs. 19, 20, 29 and 30
	Land mountainous
	Soil gravelly 3rd rate
	No timber
	Mountainous land & dense undergrowth 80.25 chs.

chs.	
	N. 0° 4' W. bet. secs. 19 and 20.
	Ascend
16.00	Top of ridge bears E and W. Descend.
34.00	Foot of steep slope
40.00	Set a sand stone 18x12x3 ins. 12 ins. in ground for 1/4 sec. cor. Marked 1/4 on W. face: and raise mound stone 2 ft. base 1½ ft. high W. of cor. Pits impracticable.
	Descend
45.00	Bottom of small ravine drains N. W.
	Ascend
50.00	Top of spur slopes N. W. Descend
61.00	Irrigation ditch 3 lks. wide drains S 80° W. also enter S. edge of David Eddington's alfalfa field bears S 80° W and N 80° E.
67.00	Second ditch in field drains W.
68.00	House of David Eddington 2.50 chs. E. of line log cabin unoccupied 1.50 lks. W.
70.10	Wagon road bears N 20° E and S 50° W.
74.00	Barn 75 lks. E. of line, also cross corral fence bears N 70° E and S 70° W.
75.50	Corral fence bears same.
80.00	Set a sand stone 18x8x3 ins. 12 ins. in ground for cor. of secs. 17, 18, 19 and 20. Marked with 3 notches on S and 5 notches on E. edges: and raised mound of stone 2 ft. base 1½ ft. high W. of cor. Pits impracticable.
	Land mountainous
	Soil loam and gravelly 2nd and 3rd rates.
	No timber
	Mountainous land 80.00 chs.

Chs

S 89° 50' E. on random line bet. secs. 17 and 20
40.00 Set temp. 1/4 sec. cor.
79.70 Intersect N and S. line 20 lks. S. of cor of secs. 16, 17, 20 and 21.
Thence we run
N 89° 59' W, on true line bet secs. 17 and 20.
Ascend
25.20 Top of ridge bears N and S. Descend
39.85 Set. sand stone 18 x 12 x 8 ins. 12 ins. in ground for 1/4 sec. cor. marked 1/4 on N. face: and raised mound stone 2 ft. base 1½ ft. high N. of cor. Pits impracticable.
Descend on rocky point sloping W.
67.70 Bottom of rocky point.
72.00 Wagon road bears S.W. and N.E.
72.20 Fence bears N 15° W. and S 15° E.
75.70 Irrigation ditch drains S.W.
79.70 The cor. of secs. 17, 18, 19 and 20.
Land mountainous
Soil gravelly 3rd rate
No timber
Mountainous land & some undergrowth 79.70 chs
Aug 20 1899

Aug. 21, 1899: At 8h 00m A.M. l.m.t. we set off 12° 5' N. on the decl arc: 41° 10' N. on the lat. arc, and determine the true meridian with the solar at the cor. of secs. 17, 18, 19 and 20.
Thence we run
N 89° 47' W. on random line bet. secs. 18 and 19
40.00 Set temp. 1/4 sec. cor.
80.28 Intersect W. bdy. Tp. at the cor of secs. 18, 19, 13 & 24 heretofore described
Thence we run
S 89° 47' E. on true line bet. secs. 18 and 19.
Ascend
5.00 Top of small spur projects S 10° W
Descend.

Subdivision T5N. R5E. Continued

Chs.	
10.00	Bottom of small ravine drains S10° W. Ascend.
20.00	Top of highest spur projects S.W. Descend along steep S. slope over rough stony spurs and hollows
40.28	Set a cobble stone 16x12x8 ins. 11 ins. in ground for 1/4 sec. cor. marked 1/4 on N. face: and raise mound stone 2 ft. base 1½ ft. high N. of cor. Pits impracticable.
74.00	Bottom of steep descent. descend gradually.
75.00	Enter willows, leave sage and scattering oak brush
78.25	Right bank of Lost creek 11 ins. deep runs S.W.
78.93	Left bank Lost Creek, L.
79.28	Brush fence bears N.E. and S.W. Leave willows
80.28	The cor. of secs. 17, 18, 19 and 20. Land mountainous Soil stony and gravelly 3rd rate Timber none Mountainous land & some undergrowth. 80.28 Chs.

N 3° 4' W. bet. secs. 17 and 18.

0.80	Fence bears N.E. and S.W. also Enter willows.
1.35	Cross Lost Creek 50 lks. wide drains S.W.
3.00	Leave willows. Enter sage brush Ascend along E. slope of ridge over numerous small spurs and hollows.
40.00	James Ware's Cabin N 78° E. Set a sand stone 18x8x6 ins. 12 ins. in ground for 1/4 sec. cor. marked 1/4 on W. face: and raise mound stone 2 ft. base 1½ ft. high W. of cor. Pits impracticable.
77.00	Top of spur slopes E. Descend.
80.00	Set a sand stone 20x10x12 ins. 15 ins. in ground for cor. of secs. 7, 8, 17 and 18. marked

Subdivision T5NR5E. Continued.

Chs.	
	with 4 notches on S. and 5 notches on E. edges.
	and raised mound stone 2 ft. base 1½ ft.
	high N. of cor. Pits impracticable.
	Land mountainous.
	Soil gravelly 3rd and 4th rates.
	No timber
	Mountainous land 80.00 chs.
	From the cor. of secs. 7, 8, 17 and 18
	James Ware's cabin bears S 62° E.
	Corral bears S. 74½° E. about 55.00 chs
	S 89° 59' E. on random line bet. secs. 8 and 17.
	Over ascending land, through burnt
	sage brush.
40.00	Set temp. 1/4 sec. cor.
79.66	Intersect N and S. line 14 lks. N. of cor.
	of secs. 8, 9, 16 and 17.
	Thence we run
	N 89° 53' W. on true line bet. secs. 8 and 17.
39.83	Set a sand stone 16 x 8 x 6 ins. 11 ins. in
	ground for 1/4 sec. cor. marked 1/4 on
	N. face: and raise mound stone 2 ft.
	base 1½ ft. high N. of cor. Pits impract-
	icable. The cor. is located on low point
	of spur projects N.
44.00	Enter willows in bottom of canon
44.50	Lost Creek Canon also Creek 40 lks.
	wide 1 ft. deep runs S. W.
45.50	Road bears N.E. and S.W. leave willows
	Ascend steeply
79.66	The cor. of secs. 7, 8, 17 and 18.
	Land mountainous
	Soil gravelly and stony 3rd and 4th rates.
	No timber
	Mountainous land & undergrowth 79.66 chs.

Subdivision T5N. R5E. Continued.

Chs.	
	N89°47'W. on random line bet. 7 and 18.
40.00	Set temp. 1/4 sec. cor.
80.24	Intersect N. bdy. Tp., 40 chs. W. of cor. of secs. 7.12.13 & 18 heretofore described
	Thence west
	N89°56'E. on true line bet. secs. 7 and 18.
	Descend
24.00	Bottom of Hell canon drains S30°E.
	Ascend spring branch 10 lks wide 6 ins deep
40.24	Set a sand stone 17x8x6 ins. 11 ins. in ground for 1/4 sec. cor. marked 1/4 on N. face: and raised mound stone 2 ft. base 1½ ft. high N. of cor. Pits impracticable.
41.00	Head of draw drains S20°E. Ascend
61.00	Top of ridge bears N and S.
80.24	The cor. of secs. 7.8.17 and 18.
	Land mountainous.
	Soil stony 4th rate
	No timber
	Mountainous land & undergrowth 80.24 chs.
	Aug. 21, 1899: At this cor. we set off. 12°1'N. on the decl. arc: and at 12h00m M.L.M.T. observe the sun on the meridian the resulting lat. is 41°10'N.

	N0°4'W. bet. secs. 7 and 8.
	Descend.
6.50	Ravine drains S80°E. Ascend
34.00	Top of ridge bears N.W. and S.E. Descend.
40.00	Set a boulder 17x10x6 ins. 11 ins. in ground for 1/4 sec. cor. marked 1/4 on N. face: and raised mound stone 2 ft. base 1½ ft. high W. of cor. Pits impracticable.
40.20	Enter scrub aspens
43.20	Gully drains N20°E. Leave aspens.
50.00	Bottom of Ravine drains S80°E. Ascend
80.00	Set a sand stone 20x8x4 ins. 15 ins. in ground for cor. of secs. 5.6.7 and 8. marked

Chs.	
	with 5 notches on the S and E. edges: and raised mound stone 2 ft. base 1½ ft. high N. of Cor. Pits impracticable.
	Land mountainous
	Soil stony 4th rate
	Timber none
	Mountainous land & undergrowth 80.00 Chs
	S 89° 53' E. on random line bet secs. 5 and 8
40.00	Set temp ¼ sec. cor.
79.59	Intersect N and S. line 24 lks. N. of cor. of secs. 4.5.8 and 9.
	Thence we run
	N 89° 43' W. on true line bet. secs. 5 and 8.
	Descend
1.00	Bottom of Lost creek drains S.W. also junction of Lost and Francis creeks.
	Ascend Note: Lost creek 50 lks wide 1½ ft deep
2.00	Wagon road bears S 20° W. and N 75° E.
27.00	Top of spur projects S.E.
38.83	Center Ravine drains S 20° E.
39.79	Set a sand stone 17x8x6 ins. 11 ins. in ground for ¼ sec. cor. Marked ¼ on N. face: and raised mound stone 2 ft. base 1½ ft. high N. of Cor. Pits impracticable.
59.00	Top of low bench bears N and S.
79.59	The cor. of secs. 5.6.7 and 8.
	Land mountainous
	Soil gravelly 3rd rate
	No timber
	Mountainous land & undergrowth 79.59 Chs

Subdivision T5N. R5E. Continued.

Chs.	
	S89°56'W. on random line bet. secs. 6 and 7.
40.00	Set temp. 1/4 sec. cor.
79.95	Intersect W. bdy. Tp. 20 lks. N. of cor. of secs. 1. 6. 7 & 12 heretofore described.
	Thence run
	N89°47'E. on true line bet. secs. 6 and 7
	Ascend
28.00	Top of ridge bears N. and S.
	Descend.
39.95	Set a boulder 16 x 10 x 8 ins. 11 ins. in ground for 1/4 sec. cor. marked 1/4 on N. face and raised mound stone 2 ft. base 1½ ft. high N. of cor. Pits impracticable.
50.00	Leave dead aspens
59.00	Bottom of Ravine drains S20°E. Ascend
79.95	The cor. of secs. 5. 6. 7 and 8.
	Land Mountainous
	Soil stony and gravelly 3rd rate
	No timber
	Mountainous land & some undergrowth 79.95 chs.

	For reasons already explained we run
	N0°4'W. on true line bet. secs. 5 and 6.
	Over Ascending Mountainous land, through sage brush.
	Ascend gently.
23.00	Commence to ascend steep S. W. slope
28.00	Top of steep ascent, then ascend gently.
40.00	Set a cobble stone 14 x 8 x 6 ins. 9 ins. in ground for 1/4 sec. cor. marked 1/4 on W. face and raised mound stone 2 ft. base 1½ ft. high W. of cor. Pits impracticable.
44.00	Top of ridge bears N.W. and S.E. thence ascend along E. slope
60.00	Head of draw drains E. Ascend gently
79.50	Top of spur projects E.
	Descend in thick leaf brush

Subdivision T5NR5E. Continued.

Chs.	
80.72	Intersect N. bdy. of Tp. 23.56 chs. N 89°48' E. of cor. of secs. 5.6.31.32. we destroy all marks at this cor. pertaining to secs. 5 and 6 and at the point of intersection set a sandstone 15×8×5 ins. 10 ins. in ground for a closing cor. of secs. 5 and 6 marked C.C. on S. with 1 groove on W. and 5 grooves on E. faces, and raise mound stone 2 ft. base 1½ ft. high S. of cor. Pits impracticable. Land mountainous Soil stony gravelly 3rd and 4th rates No timber Mountainous land & dense undergrowth 80.72 chs. Aug 21 1899

General Description

This township contains land suitable for both agricultural and grazing purposes, the soil of the bottom land along Lost Creek being especially adapted for raising grain and lucerne.

The township consists for the most part of high and rugged mountains separated by steep and precipitous canon.

Timber is scarce throughout the township being found only in the south and south eastern portions, and consists of quaking asp and scattering pine.

The township is well watered by numerous streams, and springs of pure fresh water forming tributaries to Lost Creek which flows through the northwesterly

Subdivision T 5 N R 5 E Continued

portion of the Tp from N.E. to S.W.
and also Frances Cañon which flows
through the northern portion of the Tp
from E. to W.
The mountainous region is covered with
rich and nutritious grasses; and furnishes
feed for numerous herds of sheep pastured
in this vicinity.
There is a coal prospect and tunnel
located in the southern part of sec. 28
the same being claimed by the Morgan
Coal company but at present being
developed by David G. Tallent.
The indications of a coal deposit
are sufficient to warrant returning
sec 28 as coal land.
There is also a coal prospect in the
N.W. ¼ of sec 17 now claimed and
being developed by Wm Lucus
H.C. Smith and A.C. Cameron, we
do not think however that the indi
cation are sufficient to warrant
returning the same as coal land.
There are no other indications of
mineral in the township.
David Eddington has a ranch located
in the SW ¼ sec 17 NW ¼ sec 20 and
NE ¼ sec 19 about 100 acres being
under cultivation. About $1500
worth of improvements have been made
in the way of fences buildings etc.
James Ware has a cabin in N.E. ¼ of
sec 17 and has made about $150
worth of improvements.
70.29 acres of W.H. Toone private
land claim is located in the western
portion of sec 19 the balance
being located in sec 24 T 5 N R 4 E

Subdivisions T5N R5E. continued.

Frank E. Baxter
David H Blossom.
U.S. Dep Surveyors.

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FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by .....

....., United States Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the survey of .....

.....

showing the respective capacities in which they acted:

....., *Chainman.*

....., *Chainman.*

....., *Moundman.*

....., *Moundman.*

....., *Axman.*

....., *Axman.*

....., *Flagman.*

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted .....

....., United States Deputy Surveyor, in surveying all those parts or portions of the .....

.....

.....

..... of the .....

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

....., *Chainman.*

....., *Chainman.*

....., *Moundman.*

....., *Moundman.*

....., *Axman.*

....., *Axman.*

....., *Flagman.*

.....

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

SEAL

.....

.....

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FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, ..., United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from ..... United States Surveyor General for ....., bearing date of the ..... day of ....., 189 , I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for ....., the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of .....

.....

.....

.....

..... of the .....

..... meridian, in the ..... of ....., which are represented in the foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for ..... and in the specific manner described in the field notes, and that the foregoing are the original 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.

.....

United States Deputy Surveyor

Subscribed by said ....., and sworn to before me this ..... day of ....., 189

SEAL

.....

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL.

Salt Lake City, Utah, October 8th 1910, ~~189~~

The foregoing field notes of the survey of the subdivisions of Township 5 North Range 5 East of the Salt Lake Base & Meridian

executed by Frank E. Baxter & David H. Blossom under ~~his~~ their contract No. 223, dated January 21, 1897, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Jacob B. B.

United States 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.

.....

United States Surveyor General

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BOOK A-261

FIELD NOTES

OF THE ~~SURVEY~~ Retracement OF THE

East Boundary

of

T6N-R5E

Of the Salt Lake Base and Meridian.

State of Utah

AS SURVEYED BY

Frank E Baxter and David H Blossom, United States Deputy Surveyors & Nuncupative Special Instructions to [illegible]

Under ~~his~~ their Contract No. 223, dated January 21, 1899

~~Survey~~ Retracement commenced August 22 - , 1899

~~Survey~~ Retracement completed August 23 - , 1899

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Retracement [illegible]

NAMES AND DUTIES OF ASSISTANTS.

J. W. Clare.	Chainman
Dorsey Herr.	Chainman
J. W. Dougall.	Chainman
Austin Roylance.	Ch
Joseph Bagley.	Monument
Leonard Diamond.	W
Leonard Diamond.	Oxman.
Thos A Roylance.	Oxman.
Harry Rager.	Flagman
Chas C Friel.	Flagman

In preliminary affidavits see Book "A"

BOOK A-261

INDEX DIAGRAM.

Township....., *Range*.....

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30	29	28	27	26	25
31	32	33	34	35	36

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 over 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

.....

.....

Retracement of East Bdy. of T. 6 N. R. 5 E. -

Retracement commenced August 22, 1899, and executed with two W. and L. E. Gurley light mountain transits - no number - each with solar attachment, for a description of which see book "C"

We examine the adjustments of the transits and correct the level and collimation errors; then to test the solar apparatus by comparing their indications, resulting from solar observations made during a. m. and p. m. hours, with a true meridian determined by observations on Polaris, we proceed as follows: -

At the cor. of Tps. 5 and 6 N. Rs. 5 and 6 E., lat. 41° 12' N., longitude 111° 19' W., we set off 41° 12' N. on the lat. arc, 11° 39' N. on the decl. arc, and at 3 hrs. 0' p. m. l. m. t. determine with the solar of one of the instruments a true meridian and mark a point thereof on a plug driven in the ground 5.00 chs. of the cor.

With the second instrument placed over the same initial point we set off 41° 12' N. on the lat. arc, 11° 39' N. on the decl. arc, and at 3 hrs. 10 m. p. m. l. m. t. determine with the solar a true meridian and mark a point thereof on the plug already set 5.00 chs. N. of our station. This point falls 0.1 inch E. of that of the first instrument.

August 22, 1899, at 9 hrs. 22 m. p. m. l. m. t.

We observe Polaris at eastern elongation, with the first instrument, in accordance with the manual of instructions and mark a point

Retracement of East bdy. of T. 6 N. R. 5 E. - 6

thereof on a plug firmly driven in the ground 5.00 chs. N. of our station.
August 22, 1899.

August 23, 1899 at 7 hrs. 0 m a.m. we lay off the azimuth of Polaris, 1° 38' to the west, and mark the true meridian thus determined with the first instrument by a tack driven in the stake set August 22, 1899, on which the true meridian falls 0.3 ins. east of the mark determined by the solar of the first instrument and 0.2 ins. east of that of the second instrument.

At 8 h. 0 m a.m. l. m. t. we set off 41° 12' N. on the lat. arc. 11° 25' N. on the decl. arc of the first instrument and mark a point on the true meridian thus determined with the solar by a pencil mark on the stake set 5.00 chs. N. of our station; this mark falls 0.1 ins. east of the true meridian established by the Polaris observation.

At 8 h. 10 m a.m. l.m.t. we set off 11° 25' N. on the decl. arc. of the second instrument; and mark a point in the true meridian determined with the solar by a pencil mark on the stake already at 5.00 chs. N. of our station; this mark falls 0.2 ins. east of the true meridian, established by the Polaris observation. The solar apparatus by p.m. and a.m. observations define positions for true meridians respectively about 0' 16" west and 0' 11", east of the true meridian established by the Polaris observation, with the first

d 0' 11" west and 0' 11" east of the same

with the second instrument; therefore we conclude that the adjustments of the instruments are satisfactory.

The magnetic bearing of the true meridian, at 8h 30m a.m. l.m.t. is N 17°18' E which reduced by the table page 100, gives the mean mag. decl. 17°13' E Preliminary to commencing the sub-division of this Tp. we run N on a retracement line on the E. bdy. of Sec. 36.

Over mountainous land, through sage brush.

Ascend.

30.00 Ridge bears W. and S. E.

Descend.

33.00 Head of draw drains S. E.

37.00 Top of spur projects E.

Descend

39.00 Enter scrub aspens and underbrush.

40.18 Fall 6 lks. E. of old 1/4 Sec. cor., which is a boulder 8 x 7 x 10 ins. above ground, marked and witnessed as described by the Surveyor General.

44.00 Leave scrub aspens E. and W.

68.00 Follow drains S. E.

80.44 Fall 15 lks. E. of old cor. of Secs. 25, 30, 31 and 36 heretofore described.

The course of the E. bdy. of Sec. 36 is therefore N. 0° 06' W.

Land, mountainous.

Soil, gravelly, 3d rate.

Timber, aspens on 39.00 chs.

Mountainous land and dense under growth on 80.44 chs.

North on a retracement line on the W. Sec. 30.

Retracement of East Bdy. of T. 6 N. R. 5 E.

4.15 Top of ridge bears E. and W., also enter aspens. Descend.
11.15 Head of draw drains N.W. Ascend.
14.15 Leave aspens E. and W.
41.34 Fall 3 lks. W. of old 1/4 Sec. cor., which is a quartzite 8 x 4 x 12 ins. above ground marked and witnessed as described by Surveyor General. Ascend.
47.15 Top of ridge bears N. W. and S. E. Descend.
48.15 Enter aspens and underbrush. Descend
62.15 Foot of abrupt descent.
82.15 Fall 5 lks. E. of old cor. to Secs. 19, 24, 25 and 30, which is a boulder 14 x 13 x 8 ins. 10 ins. above ground, marked and witnessed as described by Surveyor General.
Land, mountainous.
Soil, gravelly, 3d rate.
Timber, aspens.
Mountainous land and dense under growth on 82.15 chs.
Note: The course of this line is therefore N. 0° 02 W.

North on a retracement line on the W. bdy. of Sec. 19.
10.90 Enter aspens.
27.20 Leave aspens.
27.70 Bottom of trail fork; creek 10 lks. wide drains W. Ascend.
37.67 Top of spur "projects" W. Descend.
40.17 Fall 2 lks. W. of old 1/4 Sec. cor., which is a limestone 14 x 4 x 10 ins. above ground, marked and witnessed as described by Surveyor General.

Ascend.
43.90 Enter aspens.
47.90 Bottom of small draw drains S. W. Ascend.
Leave aspens.
80.90 Fall 10 lks. W. of old cor. of Secs. 13, 18, 19 and 24, which is a sandstone 8 x 8 x 18 ins. above ground, marked and witnessed as des by the Surveyor General.
Land, mountainous,
Soil, rocky, 4th rate.
Timber, aspens on 4.00 chs.
Mountainous land on 80.90 chs.
Note: The course of this line is therefore N. 0° 04' E.

North on a retracement line on the W. bdy. of Sec. 18.
15.00 Top of ridge bears N. W. and S. E.
32.00 Enter pine timber and thick underbrush.
39.88 Fall 18 lks. W. of old 1/4 Sec. cor., which is a sandstone 10 x 4 x 10 ins. above ground, marked and witnessed as described by Surveyor General.
47.00 Bottom of deep ravine drains N. 80° W.
Leave pine timber. Ascend.
58.00 Top of spur projects S. E.
78.00 Top of ridge bears N. 20° E. and S. 30° W.
80.05 Fall 3 lks. W. of old cor. of Secs. 7, 12, 13 and 18, which is a boulder 8 x 6 x 8 ins. above ground, marked and witnessed as described by Surveyor General.
Land, mountainous.
Soil, r and ; 3d and 4th rate.

Timber, pine on 15.00 chs.
Mountainous land on 20.05 chs.
Note: The course of this line is therefore N. 0° 01 E.

North on a retracement line on the W. bdy. of Sec. 7.
Descend gradually
10.00 Descend abruptly.
13.00 Enter pine timber.
18.00 Bottom of draw drains W.
Ascend gradually. Leave pine.
23.00 Top of bluff bears E. and W.
Descend gradually.
30.00 Descend abruptly
36.00 Enter pine timber
40.75 Fall 1 lks. W. of old 1/4 Sec. cor., which is a quartzite 4 x 6 x 6 ins. above ground, marked and witnessed as described by the Surveyor General.
Descend.
56.00 Leave pine timber.
58.00 Bottom of right fork of Lost Creek canon, creek 5 lks. wide, drains westerly.
Ascend abruptly.
75.00 Top of spur projects E. E.
Descend gradually through willows and some aspens.
81.82 Fall 1 lks. west of old cor. of Secs. 1, 6, 7 and 12, which is a boulder 10 x 4 x 8 ins. above ground, marked and witnessed as described by the Surveyor General.
The course of this line is therefore N. 0° 03' E.
Land, mountainous.
Soil, gravelly, 3d and 4th rate.
Timber, pine on 25.00 chs.

Retracement of East . of T. 6 N. R. 5 E.- Continued

Scrub aspen on 6.82 chs.
mountainous land on 81.82 chs.

North on West bdy. of Sec. 6.
Ascend along east slope of high ridge.
28.00 Top of spur projects S.E.
Descend.
40.30 Fall 13 lks. E. of old 1/4 Sec. cor., which is a boulder 8 x 6 x 10 ins. above ground, marked and witnessed as described by the Surveyor General.
41.00 Head of draw drains E.
48.00 Top of spur projects S.E.
ence along E. slope of high ridge.
77.00 Top of main ridge bears N.E. and S.W.
80.84 Fall 73 lks. E. of old cor. of Tps. 6 and 7 N. Rs. 5 and 6 E., which is a boulder 10 x 8 x 8 ins. above ground, marked and witnessed as described by the Surveyor General.
Course of this line is therefore N. 0° 31' W.
Land, mountainous.
Soil, gravelly; with rating.
No timber.
ous land on 80.84 chs.
August 23, 1899.

For general description see notes of subdivision of this Township.

Frank E. Baxter
David H. Blossom
U.S. Dep

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PAGE

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by .....

....., United States Deputy Surveyor, to assist in running, measuring, and

arking the lines and corners described in the foregoing field notes of the survey of .....

.....

owing the respective capacities in which they acted:

....., *Chainman.*

....., *Chainman.*

....., *Moundman.*

....., *Moundman.*

....., *Axman.*

....., *Axman.*

....., *Flagman.*

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted .....

....., United States Deputy Surveyor, in surveying all

those parts or portions of the .....

..... of the .....

..... meridian, ... of ....., which are represented

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

....., *Chainman.*

....., *Chainman.*

....., *Moundman.*

....., *Moundman.*

....., *Axman.*

....., *Axman.*

....., *Flagman.*

.....

Subscribed and sworn to before me this .....

day of ....., 189

SEAL

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pages 146 and are blank.

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, ..., United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from ..... United States Surveyor General for ....., bearing date of the ..... day of ....., 189 , I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for ....., the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of .....

.....

.....

.....

..... of the .....

..... meridian, in the ..... of ....., which are represented in the foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for ..... and in the specific manner described in the field notes, and that the foregoing are the original 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.

.....

United States Deputy Surveyor.

Subscribed by said ....., and sworn to before me this ..... day of ....., 189

SEAL

.....

.....

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, October 8th 1900, ~~189~~

The foregoing field notes of the ~~survey~~ retracement of the East Boundary of Township 6 North Range 2 East of the Salt Lake Base & Meridian, Utah

executed by Frank E. Baxter & David H. Blossom under ~~his~~ their contract No. 223, dated January 21 1899 & Nunc pro tunc Special Instruction, dated June 11, 1900, ~~189~~, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Jacob B. Bl

United States 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.

.....

United States Surveyor General.

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BOOK A-261

FIELD NOTES

OF THE SURVEY OF THE

West Boundary
of
T6N-R5E

First Guide Meridian East

Of the Salt Lake Base and Meridian,
State of Utah

AS SURVEYED BY

Frank E Boxtes and David H Blossom, United States Deputy Surveyors

Under ~~his~~ their Contract No. 223, dated January 21, 1899

Survey commenced August 23 —, 1899

Survey completed August 24 —, 1899

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G. M. (W. Bray) high M. Cho Eks. 6-08-50

NAMES AND DUTIES OF ASSISTANTS.

J. W. Dougall	Chainman
Austin Roylance	Chainman
Thos S Roylance	Chainman
Joseph Bagley	Char
Joseph Bagley	Moundman
Leonard Diamond	Axman
Chas C Friel	Flagman

For preliminary affidavits see Book Z.

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Volume
#
R0261

BOOK A-261

INDEX DIAGRAM.

Township....., *Range*.....

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30	29	28	27	26	25
31	32	33	34	35	36

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 th
chain over even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; th
we will report the true distances to all notable objects, and the true lengths of all lines that we assist i
measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey o

.....

..... *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 establishme
of corners, according to the instructions given us, to the best of our skill and ability, in the survey o

.....

..... *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 corne
and other duties, according to instructions given us, to the best of our skill and ability, in the survey o

.....

..... *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

6—151

First Guide Meridian East through T.p. 6 North.

Survey commenced August 23 1899 and executed with two wand L.E. Gurley light mountain transits with solar attachments for a description of which see book A For complete test of solar apparatus see notes of retracement of East boundary of T 6 N R 5 E Fig 10.

August 23 1899 at 4h 00m pm lm.t we set off 41°12' N on the lat arc 11°18' N on the decl arc and determine a true meridian with the solar at the cor of Tps 5 and 6 N Rs 4 and 5 East set by us during the survey of T 5 N R 5 E and from which point a flag left on the west bdy of sec 6 T 5 N R 5 E is visible from which we find that the solar checks the meridian used during the survey of T 5 N - R 5 E.

Thence we run

North bet secs 31 and 36

Over rough mountainous land through sage brush descending

7.00 Bottom of ravine drains S W

Ascend abruptly.

10.00 Spring about 10 chs East of line.

28.00 Top of spur projects S 80° W:

Descend rapidly.

30.00 Enter scrub aspens.

Difference between measurements of 40.00 chs by two sets of chain men is 12 lbs. position of middle point

By 1st set 40.06 chs.

By 2nd set 39.94 chs the mean of which is

40.00 set a boulder 16 x 11 x 6 ins 11 ins

First Guide Meridian East through Township 6

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.

41.00 Bottom of ravine drains S.W.
Leave scrub aspens. Ascend.

59.00 Top of spur projects S.W. Descend.

62.00 Enter scrub aspens bur E and W

72.00 Head of draw drains west.
Leave aspens.

76.00 Point of spur projects west.
Descend.

78.80 Enter scrub aspens and willows
Difference between measurements
of 8000 chs by two sets of chainmen
is 14 lks. position of middle point
By 1st set 80.07 chs.
By 2nd set 79.93 chs the mean of
which is

80.00 Set a sandstone 16 x 12 x 10 ins 11 ins
in the ground for cor of secs 25,
30, 31 and 36 marked with 5 notches
on N and 1 notch on S edges from
which
An aspen 6 ins diam bears N 62° E
49 lks dist marked T 6 N R 5 E
S 30 B.T.
An aspen 5 ins diam bears S 80° E
52 lks dist marked T 6 N R 5 E S 31 B.T.
An aspen 6 ins diam bears S 30° W 21 lks
dist marked T 6 N R 4 E S 36 B.T.
An aspen 5 ins diam bears N 54° W 43 lks
dist marked T 6 N R 4 E S 25 B.T.
Land mountainous.
Soil gravelly 3rd and 4th rate.
Timber scrub aspen on 22.80 chs
Mountainous land on 80.00 chs.

First Guide Meridian East through T. 5 N.

North bet secs 25 and 30
Descend over mountainous land
through scrub aspens and willows
7.00 Leave aspens and willows.
11.00 Bottom of ravine drains S.W.
Ascend.
20.00 Top of spur projects S.W.
Descend
25.00 Head of draw drains S.W. Ascend
37.00 Top of spur projects S.W. also
enter scrub aspens and willows.
Difference between measurements
of 40.00 chs by two sets of chainmen
is 8 lks.; position of middle point
By 1st set 40.04 chs.
By 2nd set 39.96 chs. the mean of
which is
40.00 Set a boulder 16×9×6 ins 11 ins
in the ground for 1/4 sec cor
marked 1/4 on W face from which
An aspen 5 ins diam bears
N 32° E 27 lks dist marked 1/4 S 30
B.T.
An aspen 5 ins diam bears S 76 W
29 lks dist marked 1/4 S 25 B.T.
Descend.
56.00 Bottom of ravine drains west
Leave aspens and willows.
Ascend.
78.00 Top of spur projects S 70° W Descend.
79.00 Enter scrub aspens too small
for bearing trees.
Difference between measurements
of 80.00 chs by two sets of chain
is 10 lks; position of middle point
By 1st set 79.95 chs.
By 2nd set 80.05 chs. the mean
of which is
80.00 Set a boulder 15×10×8 ins 10 ins
in the ground for cor of 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 loam and gravel.
2nd and 3rd rate.
Timber scrub aspen on 27.00 chs.
Mountainous land on 80.00 chs.

North bet secs 19 and 24.
Descend over rough mountainous land through thick aspens.

27.50 Bottom of ravine drains west. Spring branch 5 lbs wide drains same. ascend.

30.00 Leave aspens and dense undergrowth.
Difference between measurements of 40.00 chs by two sets of chainmen is 4 lbs: the position of middle point.
By 1st set 40.02 chs.
By 2nd set 39.98 chs. the mean of which is

40.00 Set a boulder 12 x 8 x 7 in 8 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 Enter aspen timber bears E and W.

46.00 Bottom of ravine drains S 60 W. Also spring about 7 lbs diam on line. Leave aspen timber.

55.00 Enter aspens.

70.50 Leave same.
Difference between measurements of 80.00 chs by two sets of chainmen is 8 lbs; position of middle point
By 1st set 79.96 chs.

By 2nd set 80.04 chs, the mean
of which is
80.00 Set a boulder 14 x 10 x 9 ins 10 ins
in the ground for cor of 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 gravelly; 3rd and 4th r
Timber aspen on 50.50 chs.
Mountainous land on 80.00 chs.

North bet secs 13 and 18
Ascend gradually along west
slope of main ridge.
Difference between measurements
of 40.00 chs by two sets of chainmen
6 lks.; position of middle point
By 1st set 39.97 chs.
By 2nd set 40.03 chs. The mean
of which is
40.00 Set a boulder 15 x 12 x 7 ins 10 ins
in the ground for 1/4 sec cor mad
1/4 on W face and raised a mound
of stone 2 ft base 1½ ft high W
of cor. Pits impracticable.
Ascend.
56.00 Top of main ridge bears N 30° W
and S 30° E. Descend gradually
Difference between measurements
of 80.00 chs by two sets of chainmen
is 12 lks. position of middle
point
By 1st set 80.06 chs.
By 2nd set 79.94 chs. The mean of
which is
80.00 Set a boulder 13 x 12 x 10 ins 9 ins

in the ground for cor of secs 7, 12
13 and 18 marked with 4 notches
on S and 2 notches on N edge
from which an aspen
4 ins diam bears N 54 W 50 lks
dist marked T6N R4E S 12 B.T.
An aspen 3 ins diam bears S 54° W
30 lks dist marked T6N R4E S 13 B.T.
No other trees within limit
therefore we raised a mound
of stone 2 ft base 1½ ft high on
cor. Pits impracticable.
Land mountainous.
Soil loam and gravel.
2nd and 3rd rate.
Good grazing.
No timber.
Mountainous land on 80.00 chs.

North bet secs 7 and 12
Descend gradually.
10.00 Head of draw drains S 80° E.
Ascend.
24.00 Top of open slopes S.E. Descend.
Difference between measurements
of 40.00 chs by two sets of chainmen
is 6 lks: position of middle point
by 1st set 40.03 chs.
By 2nd set 39.97 chs the mean of
which is
40.00 Set a boulder 16 x 10 x 5 ins 11 ins
in the ground for ¼ sec cor marked
B.C. on N face and raised a mound
of stone 2 ft base 1½ ft high on
cor. Pits impracticable.
44.00 Bottom of draw drains S.E. Ascend.
58.00 Top of flat ridge bears E and W.
Enter aspen timber and descend

gradually.
70.00 Enter pine timber. Leave aspen.
Descend abruptly.
76.00 Bottom of gulley drains N.E. also
spring branch. 2 lks wide drains
same. Ascend. leave pine
and enter aspen.
Difference between measure-
ments of 80.00 chs by two sets of
chainmen is 10 lks. position of
middle point
By 1st set 79.95 chs.
By 2nd set 80.05 chs. The mean of
which is
80.00 Set a boulder 16 x 8 x 6 ins 11 ins in
the ground for cor of secs 1, 6, 7 and 12
marked with 5 notches on S and
1 notch on Wedges from which
An aspen 8 ins diam bears N 41° 30' E
50 lks dist marked T 6 N R 5 E S 6 B.
An aspen 10 ins diam bears S 56° 30' E
36 lks dist marked T 6 N R 5 E S 7 B.T.
An aspen 10 ins diam bears S 22° W
94 lks dist marked T 6 N R 4 E S 12 B.T.
An aspen 6 ins diam bears N 52° 30' W
128 lks dist marked T 6 N R 4 E S 1 B.T.
Land mountainous.
Soil gravelly and rocky.
Timber pine on 6.00 chs.
Aspen on 22.00 chs.
Mountainous land on 80.00 chs.

North bet secs 1 and 6.
Ascend. through aspens.
2.00 Top of small spur projects
8.00 Leave aspens.
10.00 Bottom of clear drains S.E.
Ascend.
14.00 Enter aspens.

18.00 Leave aspens.
24.00 Enter aspens.
28.00 Leave aspens and enter sage brush.
Difference between measurements of 40.00 chs by two sets of chainmen is 4 lks: position of middle point By 1st set 40.02 chs.
By 2nd set 39.98 chs. The mean of which is
40.00 Set a boulder 16×10×6 ins 11 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 Enter aspens, and dense underbrush.
64.00 Top of ridge bears N.W. and S.E.
Leave aspens. Descend.
73.00 Enter aspens.
78.00 Bottom of small draw drains N.E. ascend.
Difference between measurements of 80.00 chs by two sets of chainmen is 12 lks; position of middle point By 1st set 80.06 chs.
By 2nd set 79.94 chs The mean of which is
80.00 Setting cor for Tps 6 and 7 N Rgs 4 and 5 East. Afterwards destroyed.
82.00 Point of spur projects east Leave aspens.
87.00 Gulley drains S.E. ascend.
Difference between measurements of 88.50 chs by two set of chainmen is 14 lks; position of middle point By 1st set 88.57 chs.
By 2nd set 88.43 chs The mean of which is

First Guide Meridian East Through Tp 6 N

88.50 At which point permanent corner for Tps 6 and 7 N Rs 4 5 East was established for a description of which see notes of north boundary of T 6 N - R 5 E book L 12
Land mountainous.
Soil gravelly. 2nd rate
Timber aspen on 45.00 chs.
Mountainous land on 88.50 chs
August 24 1899

For general description see notes of subdivisions of T 6 N R 5 E and T 6 N R 4 E respectively.

Frank E. Baxter
David
U.S. Dep Surveyors

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FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by Frank E Baxter and D H Blossom, United States Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the survey of First Guide Meridian East through Tps 5 and 6 N of the Salt Lake Base and Meridian

showing the respective capacities in which they acted:

J. W. Dougall Thos S. Roylance, Chainman.
Austin Roylance Joseph Bagley, Chainman.
Joseph Bagley, Moundman.
, Moundman.
Leonard Diamond, Axman.
, Axman.
Chas C Fried, Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted Frank E Baxter and David H Blossom, United States Deputy Surveyor, in surveying all those parts or portions of the First Guide Meridian East through Tps 5 and 6 North

of the Salt Lake Base and meridian, State of Utah, which 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 United States Surveyor General for Utah

J W Dougall Thos. S. Roylance, Chainman.
Austin T Roylance Joseph Bagley, Chainman.
Joseph Bagley, Moundman.
, Moundman.
Leonard Diamond, Axman.
, Axman.
Chas. C. Fried, Flagman.

Subscribed and sworn to before me this 1 day of Nov, 1899

SEAL

Hugh McDougall
Notary Public

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FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

We Frank E. Baxter and David H. Blossom, United States Deputy Surveyors, solemnly swear that, in pursuance of a contract received from Jacob B. Blair United States Surveyor General for the State of Utah, bearing date of the 9 day of January, 1899, we have well, faithfully, and truly, in our proper persons, and in strict conformity with the instructions furnished by the United States Surveyor General for the State of Utah, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of the First Guide Meridian East through Townships 5 & 6 North of the Salt Lake Base & Meridian Utah

of the

meridian, in the of , which are represented in the foregoing field notes as having been surveyed by us, and under our direction; and we do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for the State of Utah and in the specific manner described in the field notes, and that the foregoing are the original 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.

Frank E. Baxter David H. Blossom
United States Deputy Surveyors

Subscribed by said Frank E. Baxter and David H. Blossom and sworn to before me this 9th day of June 1900, ~~189~~

Jacob B. Blair
U. S. Surveyor General

SEAL

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah October 8th 1900, 189

The foregoing field notes of the survey of the First Guide Meridian East on West Bdy of Tps 6 North Range 5 East of the Salt Lake Base & Meridian, Utah

executed by Frank E. Baxter and David H. Blossom under his contract No. 203, dated January 21, 1899, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Jacob B. Blair
United States 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.

United States Surveyor General

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BOOK A-251

FIELD NOTES

OF THE SURVEY OF THE

North Boundary

of

T6N - R5E.

Of the Salt Lake Base and Meridian,

State of Utah.

AS SURVEYED BY

Frank E Boxter and David H Blecon United States Deputy Surveyors

Under ~~his~~ their Contract No. 223, dated January 21st, 1899

Survey commenced August 24 -, 1899

Survey completed August 24 -, 1899

6—151

N. Bdry. high

M. Ch. Ho.
5-55-45

LOOK A-231

NAMES AND DUTIES OF ASSISTANTS.

J. W. Chase	Chainman
Dorsey Herr.	Chainman
J. W. Dougall.	Chainman
Austin Roylance	Ch
Joseph Bagley.	Mound
Leonard Diamond.	Mound
Leonard Diamond.	Axman.
Thos S Roylance.	Axman.
Harry Rager.	Flag
Chas C Friel.	Flag

In preliminary affidavits see Cook "H"

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BOOK A-261

INDEX DIAGRAM.

Township....., *Range*.....

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, ... and .....
do solemnly swear that we will well and faithfully execute the duties of chainmen; 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 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

.....

.....

North Boundary of T. 6 N - R 5 E.

Survey commenced August 24 1899 and executed with two wand J. E. Gurley light mountain transits with solar attachments for a description of which see book A.
For complete test of solar apparatus see notes of retracement of East boundary of this Tp Book. Z 10
August 24 1899 at 9h 00m a.m. l.m.t. we set off 41°17' N on the lat arc 11°03' N on the decl arc and determine a true meridian with the solar at the cor of Tps 6 and 7 N Rs 5 and 6 East heretofore described.
Thence we run west on a random line along the north boundary of T 6 N R 5 E setting temp 1/4 sec and sec corners at respective intervals of 40.00 chs, and at 45.45 chs intersect west boundary of Tp 8.50 chs N of temp cor previously set for Tps 6 and 7 N Rs 4 and 5 East.
We therefore return to cor of Tps 6 and 7 N Rs 5 and 6 E and run west on a true line bet secs 1 and 36
Over descending land

2.00 Descend along N.W. slope of spur projects westerly.

22.00 Hollow drains S.W. Ascend.

26.00 Point of small spur projects S.W. Descend.

40.00 Set a blue limestone 18×10×7 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
Note:- This cor is on steep slide facing

North Boundary of T6N-R5E Contin

S.W. Descend.

50.00 Left fork of Lost Creek 20 lks wide drains south. Also bottom of cañon 1000 feet below Tp cor. Ascend abruptly.

58.00 Enter aspen and pine timber.

58.75 Ascend gently along N slope.

80.00 Set a blue limestone 18×9×6 ins 12 ins in the ground for cor of secs 1, 2, 3.5 and 36 marked with 1 notch on E and 5 notches on wedges from which

An aspen 7 ins diam bears N 22°E 50 lks dist marked T7N R5E S36 B.T.

An aspen 9 ins diam bears S 27°E 10 lks dist marked T6N R5E S 1 B.T.

An aspen 8 ins diam bears S 38° W 30 lks dist marked T6N R5E S 2 B.T.

An aspen 8 ins diam bears N 65° W 30 lks dist marked T7N R5E S 35 B.T.

Land mountainous.

Soil. loam and gravel.

2nd and 4th rate.

Timber pine and aspen on 22.00 chs

Mountainous land on 80.00 chs.

August 24-1899

At this cor we set off 11° 00' N on the decl arc and at 12h 00m a.m. l.m.t. observe the sun on the meridian.

The resulting lat is 41° 17' N.

West bet secs 2 and 35

Over ascending land through aspen and pine timber

1.00 Bottom of small draw drains N 85°E, thence along S slope continue ascending.

19.00 Cross same draw drain

North Boundary of T6N R5E continued.

S 80 E. continue ascending.
40.00 Set a boulder 16x10x7 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
46.00 Same draw as above drains N 80° E. Thence ascend along W of spur projects east.
67.00 Descend along N slope of spur.
75.00 Draw drains N.E.
80.00 set a boulder 14x8x6 ins 10 ins in the ground for cor of secs 2, 3, 34 and 35 marked with 2 notches on E and 4 notches on wedges and raised a mound of stone 2 ft base 1½ ft high W of cor.
Pits impracticable
Trees too small for bearing trees.
Land mountainous
Soil sandy loam and gravel.
Land and 4th rate.
Timber aspen and scattering pine on 80 chs.
Mountainous land on 80 chs

West bet secs 3 and 34.
Over ascending land through scrub aspens.
1.00 Leave scrub aspen bears N.E. and S.W.
8.00 Top of ridge bears N 20 W and S 20 E
Descend.
26.50 Bottom of ravine drains S
Ascend.
33.00 Descend along S slope.
40.00 Set a boulder 18x10x7 ins 12 ins in the ground for 1/4 sec cor marked 1/4 on N face and raised a mound stone 2 ft base

North Boundary of T 6 N R 5 E

1½ ft high N of cor.
Pits impracticable
46.00 Enter aspen bear N and S.
61.00 Draw drains S.W. ascend.
66.00 Small spur projects south. Descend.
71.00 Draw drains south. ascend.
78.00 Leave aspen timber.
80.00 Set a boulder 16 x 12 x 6 ins
12 ins in the ground for cor
of secs 3, 4, 33 and 34 marked with
3 notches on E and W edges
from which
An aspen 10 ins diam bears
S 40° E 1.15 chs dist marked T 6 N
R 5 E S 3 B.T.
An aspen 6 ins diam bears
S 32° W 64 lks dist marked T 6 N
R 5 E S 4 B.T.
No other trees within limit
therefore we raised a mound of
stone 2 ft base 1½ ft high W of
cor. Pits impracticable
Land mountainous.
Soil gravelly. 3rd and 4th rate
Timber aspen on 32.00 chs.
Mountainous land on 80.00 chs.

West 1/4 secs 4 and 33
Area mountainous land
ascending.
3.00 Top of ridge bears N.E. and S.W.
also enter small aspen and
maples.
17.00 Leave aspen and maples.
41.00 Set a blue limestone 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 stone
2 ft base 1½ ft high W of cor.

North boundary of T 6 N - R 5 E

Pits impracticable
Also a pipe 30 ins diam bears N 70° W 75 lks dist marked 1/4 S 33 B.T. A pipe 20 ins diam bears S 75° W 40 lks dist marked 1/4 S 4 B.T.

40.15 Bottom of Blue Fork canon drains S.E. Also creek 10 lks wide drains same. Ascend abruptly.

41.50 Top of precipitous ascent. Thence ascend along N slope.

55.00 Ascend abruptly.

72.00 Top of ridge bears N 40 W and S 40 E also leave pine timber. Descend.

79.00 Enter small aspens.

80.00 Set a sand stone 32 x 14 x 6 ins 24 ins in the ground for cor of secs 4, 5, 32 and 33 marked with 4 notches on E and 2 notches on wedges and raised a mound of stone 2 ft base 1½ ft high W of cor.
Pits impracticable.
Land mountainous
Soil gravelly and sandy
3rd rate.
Timber pine on 32.00 chs.
Mountainous land on 80.00 chs.

West bet secs 5 and 32.
Descend through small aspens.

1.00 Leave aspens.

11.40 Gulch drains S. Ascend.

14.00 Enter aspen timber bears N and S.

27.00 Leave aspen.

29.00 Top of spur projects South. Descend.

North boundary of T6N-R5E- Cont

35.00	Enter aspen timber bears N15°W and S15°E.
40.00	Set a sandstone 16x8x6 ins 11 ins in the ground for 1/4 sec cor marked 1/4 on N face from which an aspen 5 ins diam bears S85°E 10 lbs dist marked 1/4 S 5 B.T. An aspen 6 ins diam bears N 85° W 10 lbs dist marked 1/4 S 32 B.T.
45.00	Leave aspen timber
47.00	Gulch drains S60°E. Ascend.
50.50	Enter aspen timber bears N. W and S.E.
68.00	Top of ridge bears N and S. Descend.
80.00	Set a gray sandstone 16x4x8 ins 11 ins in the ground for cor of secs 5, 6, 31 and 32 marked with 5 notches on E and 1 notch on W edges from which An aspen 7 ins diam bears N27°E 120 lbs dist marked T7N R5E S32 B.T. An aspen 5 ins diam bears S70°E 63 lbs dist. marked T6N R5E S5 B.T. An aspen 5 ins diam bears S20°W 31 lbs dist marked T6N R5E S6 B.T. An aspen 4 ins diam bears N15°W 90 lbs dist marked T7N R5E S31 B.T. Land mountainous. Soil sandy loam and gravel 2nd and 3rd rate. Timber aspen on 53.50 chs. Mountainous land on 80.00 chs.

West bet secs 6 and 31
Cor mountainous land through aspen timber descending.

0.50	Bottom of ravine drains S ascend.
8.00	Top of spur slopes S. Descend.

North boundary of T6N R5E. Continued.

15.75	Bottom of gulch. Creek 3 lbs wide 3 ins deep drains S60°E. Ascend.
36.50	Small spring 50 lbs north. Drains N80°E.
39.50	Draw drains N75°E. Ascend along S slope.
40.00	Set a gray sandstone 16×12×10 ins 11 ins in the ground for 1/4 sec cor marked 1/4 on N face from which An aspen 10 ins diam bears N40°W 17 lbs dist marked 1/4 S 31 B.T. An aspen 8 ins diam bears S10°E marked 1/4 S 6 B.T.
52.00	Ascend gently along S slope.
55.45	Intersect west bdy of Tp 8.50 chs North of temp cor of Tps 6 and 7N Rs 4 and 5E Set a boulder 18×8×8 ins 12 ins in the ground for cor of Tps 6 and 7N Rs 4 and 5E marked 7N on NE, 5E on SE, 6N on SW, 4E on NW faces with 6 notches on each edge from which An aspen 6 ins diam bears N50°E 1.90 chs dist marked T7N R6E S31 B.T. An aspen 14 ins diam bears S40°W 1.75 chs dist marked T6N R6E S6 B.T. An aspen 10 ins diam bears S40°W 2.50 chs dist marked T6N R4E S1 B.T. An aspen 12 ins diam bears N70°W 2.00 chs dist marked T7N R4E S36 B.T. Also raised a mound of stone 2 ft base 1½ ft high S of cor. Pits impracticable We destroy all traces of temp cor previously set.

North boundary of T6N - R 5 E Contin.

Land mountainous
Soil gravel and loam.
2nd and 3rd rate.
Pinter aspen on 55.45 chs
Mountainous land on 55.45 chs.
August 24 1897

For General Description see notes of subdivisions of this township.

Frank E. Baxter
David H Blossom
U.S. Dep Surveyors

Latitudes, Departures and closing errors

Line Designated	True Bearing	Dist.	Latitudes N	Latitudes S	Departures E	Departures W
		chs	chs	chs	chs	chs
W Bdy Sec 31 T6N-R5E	N 0 06' W	80.44	80.44			.15
" " Sec 30 " "	N 0 02 W	82.15	82.15			.05
" " Sec 19 " "	N 0°04'E	80.90	80.90		.10	
" " Sec 18 " "	N 0°01'E	80.05	80.05		.03	
" " Sec 7 " "	N 0°03E	81.82	81.82		.07	
" " Sec 6 " "	N 0°31'W	80.84	80.84			.73
N Bdy T6N R5E	West	455.45				455.45
W " " "	South	488.50		488.50		
S " " "	N 89 48E	456.28	1.59		456.28	
Convergency						.63
			487.79	488.50	456.48	457.01
				487.79		456.48
Error in Lat				.71	Error in Dep	.53

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by .....

....., United States Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the survey of .....

.....

showing the respective capacities in which they acted:

..... *Chainman.*

..... *Chainman.*

..... *Moundman.*

..... *Moundman.*

..... *Axman.*

..... *Axman.*

..... *Flagman.*

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted .....

....., United States Deputy Surveyor, in surveying all those parts or portions of the .....

.....

.....

..... of the .....

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

..... *Chainman.*

..... *Chainman.*

..... *Moundman.*

..... *Moundman.*

..... *Axman.*

..... *Axman.*

..... *Flagman.*

.....

Subscribed and sworn to before me this .....
day of 189

SEAL

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, ... , United States Deputy Surveyor, solemnly swear that, in pursuance of a contract received from ..... United States Surveyor General for ..... , bearing date of the ..... day of ..... , 189 , I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for ..... , the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of

.....

..... of the .....

..... meridian, in the ..... of ..... , which are represented in the foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for ..... and in the specific manner described in the field notes, and that the foregoing are the original 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.

United States Deputy Surveyor.

Subscribed by said ..... , and sworn to before me this ..... day of ..... , 189 .

SEAL

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL.

Salt Lake City, Utah, October 1, 1898.

The foregoing field notes of the survey of The Fifth Boundary of Township 6 South Range 3 East of the Salt Lake Base & Meridian Utah,

executed by Frank E. Baxter and Frank A. Hilton under his contract No. [illegible], dated January 31, 1897, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Jacob B. Bee

United States 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.

.....

United States Surveyor General.

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PAGE

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PAGE

"Z13"
4—679.

6-18-1900

K.F.B.
K.R.M.
E.T.N.

BOOK A-261

187

K.F.B.

FIELD NOTES

OF THE SURVEY OF THE

Subdivisions

of

T6N-R5E

Of the Salt Lake Base and Meridian,

State of Utah

AS SURVEYED BY

E Boxter and David H Blossom, United States Deputy Surveyors

Under ~~his~~ their Contract No. 223, dated January 21, 1899

Survey commenced August 25, 1899

Survey completed August 31, 1899

6—151

Subs. high m. Chs. Wis. 58-79-21 ✓
" disings - 15-30 ✓

NAMES AND DUTIES OF ASSISTANTS.

J. W. Chase	Chainman
Dorsey Herr.	Ch
J. W. Dougall.	Ch
Austin Roylance.	Ch
Joseph Bagley.	Mound man
Leonard Diamond.	Mound
Leonard Diamond.	Axm
Thos S Roylance.	Axm
Harry Rager.	Flagman
Chas C Friel.	Flagman

For preliminary affidavits see book "C"

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BOOK A-261

INDEX DIAGRAM.

Township....., *Range*.....

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, ... and .....
do solemnly swear that we will well and faithfully execute the duties of chainmen; 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 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

.....

Subdivisions of T. 6 N. R. 5 E.

Survey commenced August 25, 1899, and explorated with two N. and L. E. Gurley light mountain transits, with solar attachments, for description of which see book (C)

For complete test of solar apparatus see retracement of E. bdy. of this Tp. 7.10

August 25, 1899, at 8 hrs. 0' a. m. l. m. t.

We set off 41° 12' N. on lat. arc. 10° 43' N. on dec arc. and determine a true meridian with the solar at the cor. of Secs. 35 and 36 on the S. bdy. of Tp. heretofore described.

Thence we run N. 0° 01' W. bet Secs. 35 and 36.

Over rough mountainous land through scattering service and sagebush

Descend W. slope.

7.00 Top of spur projects N. W.

Descend.

18.00 Enter scrub aspens and willows.

Leave sage and service

26.00 Bottom ravine drains N. W.

Ascend.

40.00 Point of spur projects N. W.

Descend.

Set a boulder 15 x 10 x 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.

47.00 Head of draw drains W.; Ascend.

55.5 Top of spur projects N. W.

Descend rapidly.

59.00 Enter scrub aspens, willows and dense undergrowth.

76.00 Bottom of ravine drains S. 15° W.; Also leave aspens and willows, bears E. and W.

Ascend

Enter s and oak brush.

80.00 Set a red sandstone 20 x 8 x 5 ins. 15 ins. in the ground for cor. of Secs. 25, 26, 35 and 31. marked with 1 notch on S. and E. edges, and raised a mound of stone 2 ft. base 1 1/2 ft. high N. of cor. Pits impracticable.
Land, mountainous,
Soil, loamy and gravelly; 3rd rate.
No timber.
Mountainous land and dense under-growth on 80.00 chs.

N. 89° 48' E. on a random line bet. Secs. 25 and 36.
40.00 Set temp. 1/4 Sec. cor.
79.84 Intersect E. bdy. of Tp. 17 lks. S. of cor. of Secs. 25, 30, 31 and 36 heretofore described
Thence we run
S. 89° 41' W. on a true line bet. Secs. 25 and 36
10.84 Top of ridge bears N. E. and S. W.
Descend
26.84 Head of draw drains westerly.
39.84 Set a boulder 15 x 9 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.
Cor. on top of spur projects N. 80° W.
Descend.
44.84 Enter aspens and willows N. E. and S. W.
52.84 Leave scrub aspens and willows N. E. and S. W.
74.84 Bottom of draw drains S. W.
Ascend abruptly
79.84 The cor. of Secs. 25, 26, 35 and 36.
Land, mountainous
Soil, gravelly; 3d. rate.
No timber.

mountainous land and dense under-growth on 79.84 chs.

N. 0° 1' W. bet. Secs. 25 and 26
Over steep mountainous land, through oak and sage brush.
Ascend
14.00 Top of spur projects N. W.
Descend gently along W. slope.
26.00 Descend rapidly
Also enter scrub aspens and dense undergrowth N. W. and S. E.
37.00 Leave scrub aspen; enter sage and oak.
40.00 Set a sandstone 20 x 8 x 6 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.
45.00 Bottom of draw drains N. 80° W.
Ascend abruptly.
54.00 Top of spur projects N. 85° W.
Descend abruptly.
Also leave sage and service and oak
Enter dense hazel and scattering patches of scrub aspens.
70.00 Bottom of ravine, spring branch, 1 ft. wide 1' in deep runs N. W.
75.00 Leave dense underbrush; enter scattering mahogany and sage.
Ascend abruptly.
80.00 Set a sandstone 22 x 8 x 5 ins. 18 ins. in the ground, for cor. of Secs. 23, 24, 25 and 26, marked with 2 notches on S. and 1 notch on E. edge; and raised a mound of stone 2 ft. base 1 1/2 ft. high W. of cor. Pits impracticable.
and, mountainous.
Soil, ; 3d rate. No timber.

mountainous land and dense under-growth on 80.00 chs.

Knowing from previous retracement that a closing cor. for Secs. 24 and 25 will be necessary we run E. on a true line from the cor. of Secs. 23, 24, 25 and 26, over mountainous land, through mahogany and sage brush, bt Secs 24 & 25
Ascend abruptly.
34.00 Top of spur projects N. 30° W.
Descend on N. slope.
36.00 Enter dense underbrush; also enter aspens.
40.00 Set a boulder 16 x 12 x 7 ins. 11 ins. in the ground for 1/4 Sec. cor., marked 1/4 on N. face, from which
An aspen 4 ins. diam. bears S. 74° E. 30 lks. dist., marked 1/4 S. 25 B.T.
An aspen 3 ins. diam. bears N. 63° E. 18 lks. dist., marked 1/4 S. 24 B.T.
55.00 Bottom of ravine drains N. 10° W.
Ascend steep W. slope.
56.00 Leave aspens and dense brush; enter sage and service berries.
64.00 Top of spur projects N. 30° W. also enter scrub aspens and dense undergrowth.
68.00 Leave scrub aspen and dense brush.
70.00 Descend rapidly.
78.00 Enter aspens and dense brush.
79.78 Fall 2.19 chs. to the cor. of Secs. 19, 24, 25 and 30 on E. bdy. of Tp. heretofore described
Set a boulder 14 x 13 x 8 ins. 10 ins. in the ground for closing cor. of Secs. 24 and 25, marked C.C., on N., with 2 grooves on S. and 4 grooves on N. faces; from which
An aspen 5 ins. diam. bears N. 49° W. 42 lks. dist., marked T. 6 N. R. 5 E. S. 24 B.T.
An aspen 4 ins. diam. bears S. 56° W.

40 lks. dist., marked T. 6 N. R. 5 E. S. 25 B.T.
Also raised a mound of stone 2 ft. base
1 1/2 ft. high W. of cor.
Pits impracticable.
We destroy all marks on old cor. pertaining to Secs 24 & 25.
Land, mountainous,
Soil, gravelly; 3d rate. Timber, aspens
mountainous land and dense undergrowth
on 79.78 chs.

N. 0° 01' W. bet. Secs. 23 and 24
Ascend.
5.25 Top of spur projects W.
Descend
10.00 Head of draw drains W.
Ascend gently; also enter scattering
cedars.
Big rock on line 210 ft. diam. 30 ft. high.
36.00 Point of spur projects N. W.
Descend abruptly.
39.00 Enter scattering pine timber E. and W.
40.00 Set a sandstone 26 x 14 x 4 ins. 19 ins
in the ground for 1/4 Sec. cor., marked
1/4 on W. face; from which
A pine 12 ins. diam. bears S. 42° E.
40 lks. dist., marked 1/4 S. 24 B.T.
A pine 14 ins. diam. bears S. 72° W.
50 lks. dist., marked 1/4 S. 23 B.T.
48.00 Bottom of trail, dark canon, spring
branch, 5 lks. wide 2 ins. deep runs
W. Leave pine timber.
Ascend abruptly.
53.60 Top of spur projects S. W.
thence descend gradually on very
W. sl

Subdivisions of T. 6 N. R. 5 E. - continued

67.00 Enter bottom of Lost Creek; also willow. Leave cedar and mahogany.
68.00 Bottom of Lost Creek bears Creek 10 lks. wide 6 ins. deep runs S. W.
72.00 Leave bottom of Creek and also willows. Ascend abruptly; also enter scattering cedars and mahogany along E. slope over rough spur and hollow.
80.00 Set a limestone 16 x 10 x 6 ins. 11 ins. in the ground for cor. of Secs. 13, 14, 23 and 24, marked with 3 notches on S. and 1 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, rocky; 4th rate.
Timber, pine.
Mountainous land and dense under growth on 80.00 chs.

Knowing from previous retracement that a closing cor. for Secs. 13, and 24 will be necessary we run E. on a true line from the cor. of Secs. 13, 14, 23 and 24. Bet Secs 13 & 24
Descend abruptly over small ledges and slide rock.
3.00 Bottom of Lost Creek bears drains S. 10° W., Creek 10 lks. wide drains same.
Ascend abruptly, through mountain mahogany.
37.00 Leave mahogany.
40.00 Set a boulder 16 x 10 x 8 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
Ascend through sage brush.

Subdivision of T. 6 N. R. 3 E. - Continued.

50.00 Top of spur projects S.W.
Descend.
60.00 Head of draw drains S.E.
70.00 Point of rock spur projects S.
Descend over slide rock.
80.00 Intersect E. bdy. of Tp. 3.05 chs. S. of N.W.
old cor. of Secs. 13, 18, 19 and 24,
heretofore described.
We set a sandstone
18 x 10 x 4 ins. 12 ins. in the ground
for closing cor. of Secs. 13 and 24, marked
C.C. on W., with 3 grooves on N. and 3
grooves on S. faces, and raised a mound
of stone 2 ft. base 1 1/2 ft. high W. of cor.
Pits impracticable.
We destroy all marks on old cor. per-
taining to Secs. 13 and 24.
Land, mountainous.
Soil, gravelly and rocky; 3d and 4th rate.
No timber.
Mountainous land on 80.00 chs

N. 0° 1' W. bet. Secs. 13 and 14.
Over very rough mountainous land
ascending through cedar and mahog-
any and slide rock
Ascend perpendicular ledge 30 ft.
10 Top of perpendicular ledge; thence
ascend on slide rock.
40.00 Set a limestone 15 x 10 x 5 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.
44.00 Enter scattering pines.
48.00 Bottom of gulch drains E.
Also leave pines; ascend abruptly.
78.00 Top of spur projects E.
Also leave cedars and mahogany;

Enter sage brush
Descend gently.
80.00 Set a boulder 14x10x6 ins. 10 ins. in the ground for cor. of 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 1 1/2 ft. high W. of cor.
Pits impracticable.
Also an aspen 6 ins. diam. bears N. 40 1/2° E. 112 lks. dist., marked T. 6 N. R. 5 E. S. 12 B.T.
An aspen 7 ins. diam. bears N. 10° W. 75 lks. dist., marked T. 6 N. R. 5 E. S. 11 B.T.
An aspen 5 ins. diam. bears S. 42 1/2° W. 60 lks. dist., marked T. 6 N. R. 5 E. S. 14 B.T.
Land, mountainous.
Soil, rocky; 3d and 4th rate.
Timber, pine on 4.00 chs.
Mountainous land and dense under-growth on 80.00 chs.

Showing from previous retracement that a closing cor. for Secs. 12 and 13 will be necessary we run E. on a true line from the cor. of Secs. 11, 12, 13 and 14. between Secs. 12 & 13
Descend gradually.
15.00 Descend abruptly.
28.00 Bottom of Lost Creek Canon creek, 10 lks. wide drains S. 20° W.
Ascend abruptly and enter pine timber
40.00 Set a limestone 16x10x5 ins. 11 ins. in the ground for 1/4 Sec. cor., marked 1/4 on N. face, from which
A pine 18 ins. diam. bears S. 28° W. 24 lks. dist., marked 1/4 S. 13 B.T.
A pine 14 ins. diam. bears N. 51° W. 75 lks. dist., marked 1/4 S. 12 B.T.

Subdivisions of T. 6 N. R. 5 E. - Continued.

Ascend through pine
75.00 Leave pine
80.07 Intersect E. bdy. of Tp. 3.30 chs. Sooiwold cor of ecs. 7, 12, 13 and 18, which is a boulder 8 x 6 x 8 ins. above ground, marked and witnessed as described by Surveyor General.
Set a boulder 17 x 8 x 6 ins. 12 ins. in the ground for closing cor. of Secs. 12 and 13, marked C.C. on W. face, with 4 grooves on S. and 2 grooves on N. faces, and raised a mound of stone 2 ft. base 1 1/2 ft. high W. of cor.
Pits impracticable.
Land, mountainous.
Soil, gravelly and rocky; 3d and 4th rate.
Timber, pine on 47.00 chs.
Mountainous land and dense under-growth on 80.07 chs.

August 25, 1899, at 4 hrs. 0' p. m. l. m. t. we set off 41° 16' N. on the lat. arc; 10° 37' N. on the decl. arc, and determine a true meridian with the solar at the cor. of Secs. 11, 12, 13 and 14. Thence we run
N. 0° 01' W. on a true line bet. Secs. 11 and 12. W cend.
27.00 Bottom of gulch drains S. E.
Ascend; leave scattering aspens.
40.00 Set a boulder 16 x 8 x 6 ins 11 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
Pits impracticable.
46.00 op of spur rojects S. E.
Descend alon E. slope spur.

53.00 Descend rapidly to bottom of steep descent;
57.00 Descend gently.
80.00 Set a boulder 15 x 12 x 10 ins. 10 ins. in the ground for cor. of Secs. 1, 2, 11 and 12, marked with 5 notches on S. and 1 notch 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, loamy and gravelly; 2d and 3d rate.
Timber, aspen on 27.00 chs.
Mountainous land and dense under. growth on 80.00 chs.

Knowing from previous retracement that a closing cor. for Secs. 1 and 12 will be necessary we run E. on a true line from the cor. of Secs. 1, 2, 11 and 12 bet Secs 1 & 12
Descend
9.00 Head of draw drains N. E.
Also N. W. edge of a patch of pines timber
Ascend
21.00 Top of spur projects N. E.
Descend
23.00 Descend abruptly.
34.00 Enter scrub aspens N. E. and S. W.
36.00 Enter pine timber N. E. and S. W.
40.00 Set a limestone 14 x 12 x 10 ins. 10 ins. in the ground for 1/4 Sec. cor., marked 1/4 on N. face, from which
A pine 7 ins. diam. bears N. 2 1/2° W. 6 lks. dist., marked 1/4 S. 1. B. T.
A pine 6 ins. diam. bears S. 2 1/2° E. 19 lks. dist., marked 1/4 S. 12 B. T.
40.50 Leave pine, also enter bottom of Lost Creek

	barren; enter willow.
42.00	Bottom of Lost Creek barren, creek 15 lks. wide 6 ins. deep runs S. junction with forks from E. 15 chs. S.
42.50	Leave bottom and willows; ascend abruptly.
43.00	Enter pine timber.
60.00	Top of abrupt ascent. Also leave pines N. and S.
70.00	Top of spur projects S. 15° W. Descend
80.00	Intersect E. bdy. and fall 5.12 chs. S. 0.03 W of old Sec. cor. of Secs. 1, 6, 7 and 12 heretofore described Set a boulder 16 x 12 x 8 ins. 11 ins. in the ground for closing cor. of Secs. 1 and 12 and raised a mound of stone 2 ft. base 1 1/2 ft. high W. of cor. Pits impracticable. We destroy all marks of old cor. pertaining to Secs. 1 and 12. Land, mountainous. Soil, gravelly, 3d rate. Timber, pine on 21.00 chs. Mountainous land and dense under-growth on 80.00 chs.
	Knowing from previous retracement that a closing cor. bet. Secs. 1 and 2 on N. bdy. of Tp. will be necessary N. 0° 1' W. bet. Secs. 1 and 2 Over mountainous land, through sage brush. Ascend
5.00	Top of spur projects N. E. Descend.
19.00	Spring branch 1 lk. wide 1 in. deep. Bottom ravine drains N. 8° 5' E. Also enter scattering scrub aspens Ascend
21.00	Leave aspens E. & W.; enter sage
35.00	Top spur projects E.

Subdivisions of T. 6 N. R. 5 E. - Continued.

Descend.
Enter aspens and dense brush; leave sage.
40.00 Set a boulder 14 x 13 x 4 ins. 10 ins. in the ground for 1/4 Sec. cor., marked — on W. face, from which
An aspen 6 ins. diam. bears N. 39° E. 32 lks. dist., marked 1/4 S. 1 B. T.
A pine 7 ins. diam. bears N. 55° W. 17 lks. dist., marked 1/4 S 2 B. T.
50.00 Bottom of ravine drains N. E.; leave aspens N. E. and S. W.
Ascend.
70.00 Top of spur projects S. E. Ascend.
71.00 Enter aspens.
86.40 Intersect N. bdy. of Tp. 86 lks. East of cor. of Secs. 1, 2, 35 and 36
heretofore described.
Set a sandstone 15 x 8 x 6 ins. 10 ins. in the ground for closing cor. of Secs. 1 and 2, marked C.C. on S., with 1 groove on E. and 5 grooves on W. faces, from which
An aspen 8 ins. diam. bears S. 22° W. 29 lks. dist., marked T. 6 N. R. 5 E. S 2 B. T. An aspen 9 ins. diam. bears S. 33° E. 25 lks. dist., marked T. 6 N. R. 5 E. S. 1 B. T.
Land, mountainous.
Soil, Sandy; 2d rate
Timber aspen on 40.00 chs.
Mountainous land and dense under-growth on 86.40 chs.
Note: we destroy all marks on old cor pertaining to Secs 1 and 2

August 26, 18[illegible] at 8 hrs. a. m. l. m. t. we set off 41° 12' N. on lat. arc. 10° 23' N. on decl. arc. and determine a true meridian with the solar at the cor. of Secs. 34 and 35 on the S. bdy. of Tp. heretofore described
Thence we run

Subdivisions of T. 6 N. R. 5 E. - continued.

N. 0° 02' W. bet. Secs. 34 and 35.
Over very rough mountainous land through scrub aspens and dense underbrush
Descend rapidly.
3.00 Leave scrub aspens and dense brush.
5.00 Bottom of ravine drains N. W.
Ascend abruptly.
18.00 Top of spur projects N. W.
Descend rapidly; also enter scrub aspens and dense undergrowth.
22.00 Leave scrub aspens.
30.94 Perpendicular ledges 30 ft. high N. W. and S. E.
32.00 Enter scrub aspens.
35.00 Bottom of ravine drains N. W.
Ascend abruptly.
40.00 Set a sandstone 16 x 8 x 6 ins. 11 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.
41.50 Point of spur projects S. W.
Descend rapidly.
67.00 Enter bottom of Lost Creek; thence along said creek; also enter thick willow and dense brush.
70.00 Bottom of Lost Creek Canon; also creek 25 lks. wide 8 ins. deep runs S. 20° W.
71.00 Leave bottom and willows, also dense brush; enter sage and scattering service berries.
Ascend along steep E. slope among rocks.
80.00 Set a sandstone 18 x 7 x 6 ins. 12 ins. in the ground for cor. of 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

1½ ft. high N. of cor.
Pits impracticable.
Land, mountainous.
Soil, rocky and gravelly, 3d rate.
Timber, scrub aspen on 18.60 chs
mountainous land and dense under-
growth on 80.00 chs.

N. 89° 48' E. on a random line
bet. Secs. 26 and 35
40.00 Set temp. 1/4 Sec. cor.
80.25 Intersect N. and S. line 1. lks. S. of
cor. of Secs. 25, 26, 35 and 36
Thence we run
S. 89° 48' W. on a true line bet. Secs.
26 and 35
Over rough mountainous land, through
oak and sage brush.
Ascend.
2.50 Small spur projects S; ~~thence~~ descend
along steep choppy S. slope on numerous
spurs and draws.
40.12 Set a sandstone 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 1½ ft. high N. of cor.
Pits impracticable.
47.00 Bottom of deep ravine drains N. 70° W.
Ascend N. slope
55.00 Top of spur projects N. W.
Ascend rapidly.
75.00 Bottom Lost Creek Canon Creek 25 lks.
wide 8 ins. deep runs S. 25° W.
76.00 Leave bottom of Lost Creek
Ascend abruptly among rocks.
80.25 The cor. to Secs. 26, 27,
34 and 35.
Land, mountainous.

Subdivisions of T. 6 N. R. 5 E.—Continued.

Soil, rocky and gravelly; 3d and 4th rate.
No timber.
Mountainous land and dense under-growth on 80.25 chs.

N. 0° 2' W. bet. Secs. 26 and 27.
Over rough mountainous land, through scattering service berries and sage.
3.50 Descend abruptly.
7.00 Bottom of ravine drains S. E.
Also creek 3 lks. wide 2 ins. deep;
Ascend abruptly.
12.00 Cliff bears E. and W., 40 ft. high.
26.00 Top of spur projects S. E.
33.00 Small draw drains E.
38.00 Top of spur projects E.
40.00 Enter patch of aspen.
Set a boulder 15x7x6 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
Also an aspen 6 ins. diam. bears N. 71° E. 21 lks. dist., marked 1/4 S. 26 B. T.
An aspen 5 ins. diam. bears N. 61° W. 40 lks. dist., marked 1/4 S. 27 B. T.
45.00 Leave aspens E. and W.
46.00 Bottom of draw drains S. 70° E.
Ascend.
47.00 Small spring 1.00 ch. W.; another 2.00 chs. E.
55.00 Top of spur projects S. E.
Descend.
64.00 Bottom of draw drains S. E.
Ascend

Subdivisions of T. 6 N. R. 5 E. - Continued.

70.00 Top of spur projects E.
reversed.
71.00 Enter aspens S. and W.
76.00 Bottom of ravine drains S. E.
reversed
Set a boulder 17 x 9 x 7 ins. 12 ins. in the ground for cor. of 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 and gravelly; 3d and 4th rate.
Timber, aspens.
Mountainous land and dense undergrowth on 80.00 chs.

N. 89° 48' E. on a random line bet. Secs. 23 and 26
40.00 Set temp. 1/4 Sec. cor.
50.83 Intersect N. and S. line 6 lks. N. of cor. of Secs. 23, 24, 25 and 26.
Thence will run
S. 89° 51' W. on a true line bet. Secs. 23 and 26.
Descend abruptly.
[illegible] Bottom of ravine spring branch 1 lks. wide 1 in. deep runs N. W.
Enter scrub aspens; Leave scattering cedars and mahogany.
[illegible] Top of spur projects N. W.
reversed.
27.30 Enter bottom, foot of steep descent.
29.[illegible] Bottom of Lost Creek Canon, creek 2.5 lks. wide 8 ins. deep runs S. 25° W.
Also willows 2 chs. through

Subdivisions of T. 6 N. R. 5 E. - Continued

40.17	Set a limestone 17 x 12 x 6 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.
52.30	Top of abrupt ascent.
55.30	Top of spur projects S. E.
	Descend rapidly.
72.30	Head of draw bears S. E.
	Ascend.
80.33	The cor. of Secs. 22, 23, 26 and 27.
	Land, mountainous.
	Soil, rocky, 4th rate.
	No timber.
	Mountainous land and dense undergrowth on 80.33 chs.
	August 26, 1899, at this cor. we set off 10° 19' Non decl. arc. and at 12 hrs. 0' a. m. l. m. T. observe the sun on the meridian, the resulting lat. is 41° 14' N.
	N. 0° 2' W. bet. Secs. 22 and 23
	Over rough mountainous land, through sage and scattering service berries.
	Ascend
6.23	Top of spur projects S. E.
	Descend
13.00	Bottom of draw drains S. E.
	Ascend.
20.26	Top of spur projects E.
	Descend
26.00	Enter scattering aspens N. E. and S. W.
31.00	Leave same.
36.00	Bottom ravine drains N. E. into Blue Fork.
	Ascend

Subdivisions of T. 6 N. R. 5 E. - Continued.

40.00 Set a boulder 14 x 7 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 1 1/2 ft. high W. of cor.
Pits impracticable.
42.00 Point of spur projects E.
Descend.
57.00 Bottom of ravine drains S. E.
Ascend junction 5.00 chs. E.
60.00 Top of spur projects S. E.
Descend abruptly.
68.00 Enter aspens and dense brush.
73.00 Bottom of ravine drains N. E.
Leave aspens and thick brush.
Enter sage brush and scattering service berries.
80.00 Set a boulder 14 x 10 x 10 ins. 10 ins. in the ground for cor. of Secs. 14, 15, 22 and 23, marked with 3 notches 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.
Soil, gravelly; 3d rate.
Timber, aspen on 68.00 chs.
mountainous land and dense under-growth on 80.00 chs.

N. 89° 51' 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 15 lks. S. of cor. of Secs. 13, 14, 23 and 24.
Thence we run
S. 89° 45' W. on a true line bet. Secs. 14 and 23.

Subdivisions of T. 6 N. R. 5 E. - Continued.

ascend abruptly.
6.20 Point of spur slopes S.
Descend very abruptly.
12.2 Bottom of ravine drains S. E.
Ascend; enter aspens.
22.2 Leave scrub aspens.
28.2 Top of Blue Ridge bears N. and S.
Descend.
40.10 Set a boulder 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. cor.
Pits impracticable.
Ascend
Enter pine
64.20 Bottom of Blue Fork Canion drains S. 25° E.; creek 10 lks. wide drains same.
80.20 Cor. of Secs. 14, 15, 22 and 23.
Land, mountainous.
Soil, gravelly; 3d and 4th rate.
Timber, scattering pine on 16.00 chs.
Mountainous land on 80.20 chs

N. 0° 2' W. bet. Secs. 14 and 15.
Over rough mountainous land, through sage brush.
2.50 Leave sage; enter scrub aspens E. & W.
Descend abruptly.
10.00 Enter scattering pine timber.
18.00 Perpendicular cliff 150 ft. high; also aut pines.
20.00 Bottom of Blue Fork Creek 15 lks. wide 6 ins. deep runs S. E.
Ascend nearly perpendicular on line slide rocks.
29.00 Top spur p ects S. W.

Descend gently along N. W. slope.
39.50 Bottom of ravine drains S. W.
Ascend.
40.00 Set a sandstone 18 x 12 x 3 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 1/2 ft. high W. of cor. pits impracticable
78.00 Top of spur projects S. W.
80.00 Set a boulder 15 x 10 x 8 ins. 10 ins. in the ground for cor. of 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 and gravelly; 3d and 4th rate
Timber, pine on 8.00 chs.
Mountainous land and dense under-growth on 80.00 chs.

N. 89° 45' E. on a random line bet. Secs. 11 and 14.
40.00 Set temp. 1/4 Sec. cor.
80.35 Intersect N. and S. line 2 lks. N. of cor. of Secs. 11, 12, 13 and 14.
Thence we run
S. 89° 46' W. on a true line bet. Secs. 11 and 14.
Over rough mountainous land, through sage and aspens.
Ascend.
23.00 Top of ridge bears S. 15° E. and N. 15° W.
Also bears scattering aspens and dense underbrush; outer sage brush.
Descend

Subdivisions of T. 6 N. R. 5 E. - continued

39.50	Enter scrub aspens N. and S.
40.17	Set a boulder 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.
40.50	Leave scrub aspens N. and S.
43.00	Bottom of draw drains E. W. Ascend.
56.00	Top of spur projects S. 15° W. Descend.
63.00	Bottom of ravine drains S. Ascend.
70.00	Top of spur projects S. 25° W. Descend.
80.35	The cor. of Secs. 10, 11, 14 and 15. Land, mountainous. Soil, gravelly; 3d rate. No timber. Mountainous land and dense undergrowth on 80.35 chs.

N. 0° 02' W. bet. Secs. 10 and 11. Over mountainous land, through sage brush.

3.00	Descend rapidly.
18.00	Leave scrub aspens.
25.00	Bottom of ravine drains E. Ascend. Steep spur projects S. W.
37.00	Top of steep ascent; thence descend gently.
40.00	Set a boulder 15 x 12 x 10 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.
51.00	Top of spur projects S. W. Descend.
52.00	Enter scrub aspens.

58.00 Leave aspens E. and W.
58.50 Bottom of draw drains S. W.
Ascend over rough land.
80.00 Set a boulder 16 x 8 x 6 ins. 11 ins. in the ground for cor. of Secs. 2, 3, 10 and 11, marked with 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, gravelly; 2d and 3d rate.
Timber, scrub aspens on 52.00 chs.
Mountainous land and dense undergrowth on 80.00 chs.

August 27, 1899, at 8 hrs. 0' a. m. l. m. t. we set off 41° 17' W. on lat. arc. 10° 00.1' N. on decl. arc. and determine a true meridian with the solar at the cor. of Secs. 2, 3, 10 and 11.
Thence we run
N. 89° 46' E. on a random line bet. Secs. 2 and 11.
40.00 Set temp. ¼ Sec. cor.
80.40 Intersect N. and S. lines 7 lks. W. of cor. of Secs. 1, 2, 11 and 12.
Thence we run
S. 89° 49' W. on a true line bet. Secs. 2 and 11.
20.40 Top of spur projects N. E.
Descend.
29.40 Bottom of draw drains N. E.
Ascend.
40.20 Set a boulder 14 x 10 x 8 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.

Subdivisions of T. 6 N. R. 5 E. - Continued

Pits impracticable.
Ascend
49.40 Top of ridge bears N. W. and S. E.
Descend.
60.40 Head of draw drains S. 30° W.
68.40 Top of spur projects S. 20° W.
Descend.
80.40 Cor. of Secs. 2, 3, 10 and 11.
Land, mountainous.
Soil, rocky and gravelly; 3d rate.
No timber.
Mountainous land and dense
undergrowth on 80.40 chs.

N. 0° 2' W. on a random line
bet. Secs. 2 and 3.
40.00 Set temp. 1/4 Sec. cor.
87.00 Intersect N. bdy. of Tp. 38 Lks. E. of
cor. of Secs. 2, 3, 34 and 35 heretofore
described.
Thence we run
S. 0° 17' E. on a true line bet.
Secs. 2 and 3.
14.00 Bottom of head of draw drains S. E.
Leave scrub aspens and dense
underbrush.
Ascend.
32.00 Top of ridge bears N. 30° W. and
S. 30° E
47.00 Set a boulder 16 x 8 x 7 ins. 11 ins.
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.
Descend.
57.00 Head of ravine drains S. 60° W.
Ascend.
67.00 T[illegible] ur p[illegible]ects S. W.

Subdivisions of T. 6 N. R. 5 E. - Continued

Descend.
84.50 Bottom of draw drains S. W.
87.00 The cor. of Secs. 2, 3, 10 and 11.

Land, mountainous.
Soil, gravelly, 3d rate.
Timber, scrub aspens on 55.00 chs.
Mountainous land and dense undergrowth on 87.00 chs.
August 27, 1899, at this cor. we set off 9° 58' N. on decl. arc. and at 12 hrs. 0' a.m. l. m. t. observe the sun on the meridian, the resulting lat. is 41° 17' N.

From cor. of Secs. 33 and 34 on the E. bdy. of Tp. heretofore described we run N. 0° 02' W. bet. Secs. 33 and 34
Ascend.
5.00 Top of spur slopes E.
Descend.
20.00 Gulley drains E.
Ascend.
40.00 Set a boulder 12 x 10 x 5 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.
Spring about 1.0 chs. N. 80° W. of 1/4 Sec. cor.
Ascend abruptly.

48.00 Top of ridge bears N. 75° W. and S. 75° E.
Descend.
58.00 Draw drains S. E.
Ascend.
65.00 Spur slopes E.
72.00 Draw drains E.
74.00 Point of spur projects E; enter asp
78.00 Ravine drains S. E.
Ascend; leave aspens.
80.00 Set a boulder 14 x 8 x 6 ins. 10 ins. in the ground for cor. of Secs. 27, 28, 33 and 34, marked with 1 notch 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 and gravelly; 3d and 4th rate.
Timber, aspen on 4.00 chs.
mountainous land on 80.00 chs.

N. 89° 48' E. on a random line bet. Secs. 27 and 34.
40.00 Set temp. ¼ Sec. cor.
79.97 Intersect N. and S. line 2⅓ lks. N. of cor. of Secs. 26, 27, 34 and 35.
Thence we run
S. 89° 58' W. on a true line bet. Secs. 27 and 34.
4.97 Ascend abruptly over sandstone ledges.
7.9 Enter aspens
21.9 Top of spur projects N.
Descend.
28.97 Head of draw drains N. E.
29.97 Leave aspens.
Ascend

Subdivisions of T. 6 N. R. 5 E.—Continued.

39.98 Top of ridge bears N. 75° W. and S. 75° E.
Set a boulder 18 x 10 x 6 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.
Descend
51.97 Ravine drains S. E. Ascend
59.97 Top of spur slopes S. E.
Descend
79.97 Cor. of Secs. 27, 28, 33 and 34.
Land, mountainous.
Soil, gravelly, 3d rate.
No timber.
Mountainous land on 79.97 chs.

August 27, 1899, at 4 hrs. 0' p. m. l. m. t. we set off 41° 13' on lat. arc 9° 54' N. on decl. arc. and determine a true meridian with the solar at the cor. of Secs. 27, 28, 33 and 34.
Thence we run
N. 0° 2' W. bet. Secs. 27 and 28.
Ascend.
15.00 Top of ridge bears E. and W.
Descend
22.00 Head of draw drains N. E.
32.00 Top of spur projects N. E.
34.00 Descend and enter aspens
39.75 Gulley drains N. E. Leave aspens.
40.00 Set a boulder 16 x 9 x 5 ins. 11 ins. in the ground for 1/4 Sec. cor., marked 1/4 on N. face, from which
An aspen 4 ins. diam. bears S. 18° 45' W. 66 lks. dist., marked 1/4 S. 28 B.T.
An aspen 5 ins. diam. bears S. 25° E.

S ions of T. 6 N. R. 5 E. - Continue

28 lks. dist., marked 1/4 S. 27 B.T.
Ascend.
50.00 Top of spur slopes N. E.
Descend and enter aspens.
64.00 Gulley drains N. E.
Also enter pine, spring branch 2 lks. do
68.00 Point of spur projects N. E.
Descend.
70.00 Bottom of canon drains S. E.
Ascend abruptly and leave timber.
80.00 Set a boulder 16 x 10 x 6 ins. 11 ins.
the ground for cor. of Secs. 21, 22, 27 and 28, marked with 2 notches on S. and 3rd 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; 3d and 4th rate.
Timber, aspen and scattering pine.
Mountainous land on 80.00 chs.

N. 89° 58' E. on a random line bet. Secs. 22 and 27.
40.00 Set temp. 1/4 Sec. cor.
80.00 Intersect N. and S. line 5 lks. S. of cor. of Secs. 22, 23, 26 and 27.
Thence we run
S. 89° 56' W. on a true line bet. Secs. 22 and 27.
Descend
3.00 Bottom of ravine drains S. 70° E.
Ascend
20.00 Top of ridge bears S. E. Descend
30.00 Draw drains S. E.
34.00 Spur projects S. E.
38.00 Bottom of draw drains S. E.
40.00 Set a boulder 18 x 12 x 6 ins. 12 ins. in

Subdivisions of T. 6 N. R. 5 E. continued.

	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	Top of ridge bears N. E. and S. W.
	Descend
51.00	Bottom of draw drains S.
	Ascend.
66.00	Top of spur slopes S.
	Descend.
80.00	Cor. of Secs. 21, 22, 27 and 28.
	Land mountainous.
	Soil gravelly, 3d and 4th rate.
	No timber.
	Mountainous land on 80.00 chs.
	N. 0° 02' W. bet. Secs. 21 and 22.
	Ascend abruptly.
9.00	Top of spur slopes W.
	Descend gradually.
24.00	Bottom of draw drains S. W.
	Ascend gradually
40.00	Set a boulder 16 x 7 x 5 ins. 11 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.
	Ascend.
50.00	Top of ridge bears S. W. and N. E.
	Descend along W. slope.
72.00	Top of main ridge bears N. 80° W. and S. 80° E.
	Descend and enter aspens.
80.00	Set a boulder 18 x 10 x 6 ins. 12 ins. in the ground for cor. of Secs. 15 16, 21 and 22 marked 6 N on N.E., 5 E on S.E. faces, with 3 notches on S. and 3 notches on E. edges, from which an aspen 5 ins. diam. bears N. 52° E.

40 lks. dist., marked T. 6 N. R. 5 E. S. 15 B. T.
An aspen 6 ins. diam. bears S. 32° E.
31 lks. dist., marked T. 6 N. R. 5 E.
S. 22 B. T.
An aspen 6 ins. diam. bears S. 54° W., 23 lks.
marked T. 6 N. R. 5 E. S. 21 B. T.
An aspen 10 ins. diam. bears N. 10° W.
38 lks. dist., marked T. 6 N. R. 5 E.
S. 16 B. T.
Land, mountainous.
Soil, gravelly and stony; 3d and 4th rate.
Timber, aspens on 8.00 chs.
Mountainous land on 80.00 chs.

N. 89° 56' E. on a random line bet.
Secs. 15 and 22.
40.00 Set temp. 1/4 Sec. cor.
80.08 Intersect N. and S. line 2 lks. N. of cor.
of Secs. 14, 15, 22 and 23.
Thence we run
S. 89° 57' W. on a true line bet. Secs.
15 and 22.
Over rough mountainous land, through
sage and scattering service berries.
Ascend.
5.00 Top of spur projects N. 85° E.; thence
along N. steep slope.
7.00 Enter aspens E. and W.
21.00 Point of spur projects N.
Descend.
27.00 Bottom of ravine drains N. E.
Ascend abruptly.
33.00 Leave aspens.
40.0 Set a boulder 15 x 10 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 1 1/2
ft. high N. of cor.
Pits impracticable.

Subdivisions of T. 6 N. R. 5 E. - Continued

55.00 Top of spur projects N. E.
61.00 Narrow drains N.
66.00 Top of spur projects N.
Descend.
78.00 Enter aspens N. and S.
80.08 The cor. of Secs. 15, 16, 21 and 22.
Land, mountainous.
Soil, gravelly and loamy, 2d and 3d rate.
Timber, aspens on 28.00 chs.
Mountainous land and dense under-growth on 80.08 chs.

N. 0° 00' W. bet. Secs. 15 and 16
Descend.
1.00 Head of draw drains N. E.
5.00 Point of spur slopes N. E.
Descend.
10.00 Bottom of gulley drains E.
Leave aspens; descend.
32.00 Top of spur projects S. 80° E.
Descend.
36.00 Enter aspens.
40.00 Set a boulder 18 x 12 x 8 ins. 12 ins. in the ground for 1/4 Sec. cor., marked 1/4 on W. face, from which
An aspen 6 ins. diam. bears N. 78° 30' W. 9 lks. dist., marked 1/4 S. 16 B. T.
An aspen 8 ins. diam. bears S. 68° 30' E. 4 2 lks. dist., marked 1/4 S. 15 B. T.
43.00 Leave aspens.
43.80 Bottom of hollow drains S. E.
Ascend.
48.00 Top of spur projects N. E.
50.00 Head of draw drains N. E.
55.00 Top of ridge bears N. E. and S. W.

61.00 Enter aspens.
72.00 Leave aspens; enter sage flat.
Descend abruptly.
75.00 Enter aspens.
80.00 Leave aspens.
Set a boulder 14 x 9 x 5 ins. 10 ins.
in the ground for cor. of Secs. 9, 10,
15 and 16, marked with 4 notches
on S. and 3 notches on E. edges, from which
an aspen 4 ins. diam. bears S. 45°
W. 20 lks. dist., marked T. 6 N. R. 5 E.
S. 16 B. T.
An aspen 3 ins. diam. bears S. 10° E.
50 lks. dist., marked T. 6 N. R. 5 E.
S. 15 B. T.
No other trees in limits.
Also raised a mound of stone 2 ft.
base 1 1/2 ft. high W. of cor.
Pits impracticable.
Land, mountainous.
Soil, gravelly; 3d rate.
Timber, aspen on 33.00 chs.
Mountainous land 80.00 chs.
August 28, 1899, at this cor. we set
off 9° 36' N. on decl. arc. and at 12 hrs.
0 a. m. l. m. t. observe the sun on
the meridian, the resulting lat. is
41° 16' N.

N. 89° 57' E. on a random line bet.
Secs. 10 and 15.
40.00 Set temp. 1/4 sec. cor.
80.00 Intersect N. and S. line 2 lks. S. of cor
of Secs. 10, 11, 14 and 15.
Thence we run
S. 89° 56' W. on a true line bet. Secs.
10 and 15.
Over descending mountainous land,
through a [illegible]

Subdivisions of T. 6 N. R. 5 E. - Continued

	Descend abruptly.
16.00	Enter scrub aspens.
23.00	Bottom of gulch drains S. W. also leave scrub aspens. Ascend.
26.50	Top of ascent; thence descend gradually.
40.03	Set a boulder 15 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 1 1/2 ft. high N. of cor.
	Pits impracticable.
	Descend abruptly.
52.00	Bottom of Blue Jack Canon creek 12 lks. wide 6 ins. deep runs S. E.
	Ascend abruptly.
62.00	Top of spur projects N. W. also enter pine timber.
	Ascend gently along N. slope over spurs and hollows.
69.00	Leave pines N. and S.
80.06	The cor. of Secs. 9, 10, 15 and 16
	Land, mountainous.
	Soil, gravelly and loamy; 2d and 3d rate.
	Timber, pine on 7.00 chs.
	mountainous land and dense under-growth on 80.06 chs.

	N. 0°02' W. bet. Secs. 9 and 10.
	Descend abruptly.
8.00	Bottom of gulley drains N. 80° E.
	Spring branch 6 lks. wide drains same.
	Ascend through sage brush.
30.00	Top of spur slopes E.
38.00	Descend. Enter aspens.
40.00	Set a sandstone 18 x 12 x 6 ins. 12 ins. in the ground for 1/4 Sec. cor., marked

1/4 on W. face from which
An aspen 4 ins. diam. bears N. 49° W.
8 lks. dist., marked 1/4 S. 9 B. T.
An aspen 4 ins. diam. bears N. 84° 30'
E. 47 lks. dist., marked 1/4 S. 10 B. T.
Descend.
46.00 Leave aspens.
52.00 Center of Blue Bank canon creek 10
lks. wide drains S. 20° E.
Ascend abruptly.
60.0 Top of spur projects W.
65.00 Hollow drains W.
70.00 Top of spur projects W.
Descend along W. slope.
75.00 Enter scattering pine.
80.00 Set a limestone 18 x 8 x 6 ins. 12 ins.
the ground for cor. of Secs. 3, 4, 9
and 10, marked with 5 notches
on S. and 3 notches on E. edges,
from which
A pine 5 ins. diam. bears N. 35°
0' E. 40 lks. dist., marked T. 6 N.
R. 5 E. S. 3 B. T.
A pine 10 ins. diam. bears S. 67° E.
62 lks. dist., marked T. 6 N. R. 5 E.
S. 10 B. T.
A pine 10 ins. diam. bears N. 81°
30' W. 30 lks. dist., marked T. 6 N.
R. 5 E. S. 4 B. T.
A pine 11 ins. diam. bears S. 8°
30' W. 72 lks. dist., marked T. 6 N.
R. 5 E. S. 9 B. T.
Land, mountainous.
Soil, gravelly; 3d rate.
Timber, aspen on 8.00 chs.; pine
on 2.00 chs.
Mountainous land on 80.00 chs

N. 89° 56' 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 5 lks. S. of cor. of Secs. 2, 3, 10 and 11.
	Thence we run
	S. 89° 54' W. on a true line bet. Secs. 3 and 10.
	Over mountainous land, through sage brush.
	Descend.
2.50	Bottom of draw drains S. W.
	Ascend.
6.00	Top of spur projects S.
	Descend.
27.00	Bottom of draw drains S.
	Ascend.
34.00	Top of spur projects S.
	Descend gently.
37.00	Enter willows.
40.00	Set a boulder 16 x 10 x 8 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.
42.00	Leave willows N. and S.
	Descend rapidly in dense brush.
80.00	The cor. to Secs. 3, 4, 9 and 10.
	Land, mountainous.
	Soil gravelly, 3d rate.
	No timber.
	Mountainous land and dense undergrowth on 80.00 chs.
	N. 0° 02' W. on a random line bet. Secs. 3 and 4.
40.00	Set temp. 1/4 Sec. cor.
87.54	Intersect N. bdy. of Tp. 4 6 lks. E. of cor.

Subdivisions of T. 6 N. R. 3 E. - continued.

of Secs. 3, 4, 33 and 34 heretofore described.
Thence we run
S. 0° 18' E. on a true line bet. Secs.
3 and 4.
1.04 Enter aspens.
2.54 Leave aspens N.E. and S.W.
24.54 Bottom of ravine drains S.W.
Enter pine; ascend steep S.E. slope.
37.54 Top of spur projects S.W.; thence along (X S.E.)
N.W. slope.
Descend gently; enter scattering pine timber.
47.54 Set a sandstone 17 x 6 x 5 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 1/2 ft. high W. of cor
Pits impracticable.
85.54 Bottom of ravine; small spring
branch 1 lks. wide runs S.W.
Ascend steep S.E. slope.
87.54 The cor. of Secs. 3, 4, 9 and 10
Land, mountainous.
Soil, sandy loam, 2d rate.
Timber, aspens on 1.50 chs.
Mountainous land and dense under
growth on 87.54 chs.

From cor. of Secs. 32 and 33 on the
S. bdy. of Tp heretofore described we run
N. 0° 03' W. bet. Secs. 32 and 33
Descend gradually along E. slope
of ridge.
32.00 Enter aspens.
35.00 Bottom of gulley drains E.
Ascend.
Leave aspens.
40.00 Set a sandstone 16 x 9 x 5 ins. 11 ins.
in the mound W. 1/4 Sec. cor., marked

Subdivisions of T. 6 N. R. 5 E. - Continued.

1/4 on W. face, and raised a mound of stone 2 ft. base 1 1/2 ft. high of cor.
Pits impracticable.
41.00 Top of spur slopes E.
Descend.
50.00 Enter aspens.
60.00 Bottom of deep gulch drains E.
Leave aspens, ascend abruptly.
65.00 Top of spur slopes E.
Descend gradually.
75.00 Enter [illegible] aspens.
80.00 Set a sandstone 18 x 8 x 6 ins. 12 ins. in the ground for cor. of Secs. 28, 29, 32 and 33, marked with 1 notch [illegible] 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, gravelly, 3d and 4th rate.
Timber, aspens.
Mountainous land and dense undergrowth on 80.00 chs.

August 29, 1899, at 8 hrs. 0' A.m. l.m.t. we set off 41°13' N. on lat. arc. 9°19' W. on decl. arc. and determine a true meridian with the solar at the cor. of Secs. 28, 29, 32 & 33
Thence we run

Subdivisions of T. 6 N. R. 5 E. - continued.

	N. 89° 48' E. on a random line bet. Secs. 28 and 33.
40.00	Set temp. 1/4 Sec. cor.
79.98	Intersect N. and S. line 1 lk. S. of cor. of Secs. 27, 28, 33 and 34.
	Thence we run
	S. 89° 48' W. on a true line bet. Secs. 28 and 33.
	descend gradually.
1.00	Bottom of draw drains S. E.
	Ascend, enter aspens.
4.00	Leave aspens.
38.00	Top of ridge bears N. and S.
	descend
39.99	Set a boulder 18 x 10 x 6 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.
44.00	Enter aspens.
62.00	Leave aspens
	Bottom of gulley drains S. W.
72.00	Top of spur slopes S. W.
78.20	Bottom of canon drains S. 15° E.
	Ascend
79.98	The cor. of Secs. 28, 29, 32 and 33.
	Land, mountainous.
	Soil, rocky & rich
	Timber, aspens.
	mountainous land and dense under growth on 79.98 chs.

	N. 0°. 3' W. bet. Secs. 28 and 29.
	descend.
5.00	Bottom of canon drains S. 15° E.
	Leave aspens. Ascend.
7.00	Enter oak brush.

14.00 Point of spur slopes W.
Descend
17.00 Bottom of draw drains S. W.
Ascend.
40.00 Set a boulder 14 x 8 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 1 1/2 ft. high W. of cor.
Pits impracticable.
Ascend
44.00 Top of spur projects S. W.
Descend gradually.
54.00 Head of swail drains S. W.
Ascend gradually.
66.00 Top of ridge bears N. 75° W. and S. 75° E.
Descend.
75.00 Head of gulley drains N. E.
Ascend gradually.
80.00 Top of spur projects N. E.
Set a quartzite 18 x 12 x 8 ins. 12 ins. in the ground for cor. of 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, gravelly; 4th rate.
Timber, none.
Mountainous land on 80.00 chs.

N. 89° 48' E. on a random line bet. Secs. 21 and 28.
40.00 Set temp. 1/4 Sec. cor.
80.00 Intersect N. and S. line 14 lks. N. of cor.

of Secs. 21, 22, 27 and 28.
Thence we run
S. 89° 54' W. on a true line bet. Secs. 21 and 28.
Descend abruptly.
15.00 Bottom of main gulch drains S. E.
Enter timber.
Ascend.
25.00 Top of spur projects N.
Descend.
30.00 Bottom of draw drains N. Enter pine timber. Ascend.
40.00 Top of spur projects N. E.
Set a sandstone 18 x 10 x 8 ins. 12 ins. in the ground for 1/4 Sec. cor., marked 1/4 on N. face, from which
An aspen 12 ins. diam. bears S. 18° 30' W. 19 lks. dist., marked 1/4 S 28 B. T.
An aspen 6 ins. diam. bears N. 37° W. 23 lks. dist., marked 1/4 S. 21 B. T.
Descend
55.00 Bottom of gulley drains N. E.
Ascend. Leave scattering pine.
65.00 Leave aspens Ascend gradually.
80.00 The cor. of Secs 20, 21, 28 and 29.
Land, mountainous.
Soil, gravelly; 3d and 4th rate.
Timber, aspens on 15.00 chs., pine on 55.00 chs.
Mountainous land on 80.00 chs.

N. 0° 03' W. bet. Secs. 20 and 21.
Descend.
6.00 Enter aspens.
20.00 Bottom of hollow drains N. E.
Ascend. Leave aspens.
32.00 Top spur slopes E.

Subdivisions of T. 6 N. R. 5 E. - Continued

Descend and enter thick aspens.

40.00 Set a boulder 18 x 10 x 8 ins. 12 ins. in the ground for 1/4 Sec. cor., marked 1/4 on W. face, from which
On aspen 3 ins. diam. bears N. 80° E. 4 lks. dist., marked 1/4 S. 21 B.T.
On aspen 5 ins. diam. bears W. 10 lks. dist., marked 1/4 S. 20 B.T.
Descend.

52.00 Bottom of gulley drains N. 80° E.
Ascend; leave aspens.
Enter oak brush and service berries.

59.00 Top of spur slopes N. E.
Descend; enter aspens.

75.00 Bottom of canon drains S. 75° E.
Ascend; leave timber; enter scrub aspens.

80.00 Set a sandstone 20 x 10 x 8 ins. 15 ins. in the ground for cor. of Secs. 16, 17, 20 and 21, marked with 3 notches on S. and 4 on E. edges, from which
On aspen 4 ins. diam. bears N. 46° E. 22 lks. dist., marked T. 6 N. R. 5 E. S. 16 B.T.
On aspen 3 ins. diam. bears S. 42° E. 22 lks. dist., marked T. 6 N. R. 5 E. S. 21 B.T.
On aspen 4 ins. diam. bears S. 29° 30' W. 22 lks. dist., marked T. 6 N. R. 5 E. S. 20 B.T.
On aspen 5 ins. diam. bears N. 46' W. 22 lks. dist., marked T. 6 N. R. 5 E. S. 17 B.T.
Land, mountainous.
Soil, gravelly; 3d and 4th rate.
Timber, aspens on 48.00 chs.
Mountainous land on 80.00 chs.
August 29th 1899, at this cor. we set off 9° 15' N. on decl. arc. and at 12 hrs. of a. m. i. m. S. observe the sun on the meridian, the resulting lat. is 41° 15' N.

Subdivisions of T. 6 N. R. 5 E. - continued

	N. 89° 54' E. on a random line bet. Secs. 16 and 21.
40.00	Set temp. 1/4 Sec. cor.
80.08	Intersect N. and S. line 12 lks S. of cor. of Secs. 15, 16, 21 and 22.
	Thence we run S. 89° 49' W. on a true line bet. Secs. 16 and 21.
2.09	Top of spur projects N. E.
	Descend.
5.09	Head of draw drains N. E.
10.09	Top of main ridge bears S. E. and N. W.
15.09	Head of draw drains S. W.
20.09	Point of spur projects S.
25.09	Bottom of head of draw drains S.
30.09	Top of spur projects S. W.
	Descend.
40.04	Set a boulder 17 x 8 x 5 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.
42.09	Bottom of draw drains S. Ascend.
53.09	Top of spur projects S.
60.09	Head of small drains S. Ascend.
68.09	Top of spur slopes S.
	Descend.
78.09	Bottom of gulley drains S.
	Ascend.
79.09	Enter aspens.
80.08	The cor. of Secs. 16, 17, 20 and 21.
	Land, mountainous.
	Soil, gravelly; 3d and 4th rate.
	No timber.

mountainous land on 80.08 chs.

N. 00 3' W. bet. Secs. 16 and 17.

Over mountainous land, through scrub aspens and dense underbrush, ascend.
10.00 Leave scrub aspens.
20.00 Point of spur projects E.
Descend gently along E. slope.
28.00 Enter scrub aspens N. W. and S. E.
30.00 Bottom of draw drains S. 10° E.
Ascend; leave scrub aspens.
39.00 Top of ridge bears N. W. and S. E.
Descend.
40.00 Set a boulder 13 x 10 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 1 1/2 ft. high W. of cor. Pits impracticable.
41.00 Enter scrub aspens and dense underbrush.
45.00 Leave scrub aspens; enter aspen timber
69.00 Bottom of draw drains N. 10° E.
Descend along E. slope.
80.00 Set a sandstone 18 x 12 x 8 ins. 12 ins. in the ground for cor. of Secs. 8, 9, 16 and 17, marked with 4 notches on S. and E. edges, from which:
An aspen 4 ins. diam. bears N. 72° E. 18 lks. dist., marked T. 6 N. R. 5 E. S. 9 B. T.
An aspen 4 ins. diam. bears S. 22 1/2° E. 8 lks. dist., marked T. 6 N. R. 5 E. S. 16 B. T.
An aspen 5 ins. diam. bears S. 76° W. 15 lks. dist., marked T. 6 N. R. 5 E. S. 17 B. T.
Land mountainous.
Soil, loamy and gravelly; 2d and 3d rate.
Timber, aspens on 21.00 chs.
Mountainous land and dense undergrowth on 80.00 chs.

N. 89° 49' E. on a random line bet.
Secs. 9 and 16.
40.00 Set temp. 1/4 Sec. cor.
80.03 Intersect N. and S. line at the cor. of
Secs. 9, 10, 15 and 16.
Thence we run
S. 89° 49' W. on a true line bet. Secs.
9 and 16.
40.02 Set a boulder 17 x 10 x 6 ins. 12 ins. in
the ground for 1/4 Sec. cor., marked 1/4
on N. face, from which
An aspen 6 ins. diam. bears N. 64° W.
26 lks. dist., marked 1/4 S. 9 B. T.
An aspen 5 ins. diam. bears S. 83° W.
51 lks. dist.; marked 1/4 S. 16 B. T.
Thence over spur and hollow on N. slope
75.00 Hollow drains N.
80.03 Cor. of Secs. 8, 9, 16 and 17.
Land, mountainous.
Soil, loamy and gravelly; 2d and
3d rate.
No timber.
Mountainous land and dense under-
growth on 80.03 chs.

N. 0° 03' W. bet. Secs. 8 and 9.
Over mountainous land, through
scattering aspen.
Descend.
7.00 Enter willows; leave aspens.
8.00 Bottom of ravine drains E.; junction
5.00 chs. W.
8.50 Leave willows; ascend abruptly;
Enter sage brush.
40.00 Set a boulder 16 x 8 x 6 ins. 11 ins. in
the ground for 1/4 Sec. cor., marked 1/4
on W. face, and raised a mound
stone 2 . base 1 1/2 ft. high

Subdivisions of T. 6 N. R. 5 E. - continued

W. of cor.
Pits impracticable.
44.00 Bottom of draw drains S. W.
Ascend abruptly.
73.00 Top of ridge bears N. W. and S. E.
73.80 Enter scrub aspens
Descend.
80.00 Set a boulder 18 x 8 x 6 ins. 12 ins. in the ground for cor. of Secs. 4, 5, 8 and 9, marked with 5 notches on S. and 4 notches on E. edge, from which
An aspen 4 ins. diam. bears N. 32° E. 40 lks. dist., marked T. 6 N. R. 5 E. S. 4 B. T.
An aspen 5 ins. diam. bears S. 57° E. 55 lks. dist., marked T. 6 N. R. 5 E. S. 9 B. T.
An aspen 4 ins. diam. bears S. 31 1/2° W. 105 lks. dist., marked T. 6 N. R. 5 E. S. 8 B. T.
An aspen 4 ins. diam. bears N. 56° W. 44 lks. dist., marked T. 6 N. R. 5 E. S. 5 B. T.
Land, mountainous.
Soil, loamy and gravelly; 2d and 3d rate.
Timber, aspens.
Mountainous land and dense under-growth on 80.00 chs.

N. 89° 49' E. on a random line bet. Secs. 4 and 9.
40.00 Set temp. 1/4 Sec. cor.
80.00 Intersect N. and S. line 5 lks. S. of cor. of Secs. 3, 4, 9 and 10.
Thence run
S. 89° 47' W. on a true line bet. Secs. 4 and 9.

Subdivisions of T. 6 N. R. 5 E. - continued

	Descend
4.00	Bottom of gulley drains S. W.
	Leave spur
7.00	Spur slopes S. E.
	Descend
12.00	Center of Blue Fork canon creek 10 lks. wide drains S. 10° E.
	Ascend abruptly.
26.00	Top of spur slopes N. Enter pine.
32.00	Leave pine; still ascending.
36.50	Enter aspens.
40.00	Set a boulder 14 x 10 x 6 ins. 10 ins. in the ground for 1/4 Sec. cor., marked 1/4 on N. face, from which
	An aspen 4 ins. diam. bears N. 13° W. 15 lks. dist., marked 1/4 S. 4 B.T.
	An aspen 4 ins. diam. bears S. 18° E. 67 lks. dist., marked 1/4 S. 9 B.T.
	Ascend through dense aspens.
64.00	Top of spur slopes N.
	Descend.
72.00	Head of draw drains N. Ascend
78.00	Top of spur projects N. E.
80.00	The cor. of Secs. 4, 5, 8 and 9.
	Land, mountainous.
	Soil, gravelly, 3d rate.
	Timber, aspen on 4 3.50 chs.; pine on 10.00 chs.
	Mountainous land and dense undergrowth on 80.00 chs.

N. 00° 03' W. on a random line bet. Secs. 4 and 5.

40.00 Set temp. 1/4 Sec. cor.

88.02 Intersect N. bdy. of Tp. 13 lks. E. cor. of Secs. 4, 5, 32 and 33 heretof described

Thence we run

S. 0° 08' E. on a true line bet.
Secs. 4 and 5.
1.02 Leave aspens.
8.02 Enter aspens.
12.02 Leave aspens.
20.02 Enter aspens.
Ascend through aspens.
48.02 Set a boulder 16 x 12 x 4 ins. 11 ins.
in the ground for 1/4 Sec. cor., marked
1/4 on W. face, from which
an aspen 5 ins. diam. bears N. 85° E.
68 lks. dist., marked 1/4 S.4 R.5 E.
an aspen 5 ins. diam. bears S. 53°
30' W. 28 lks. dist., marked 1/4
S. 5 R. 5 E.
51.02 Bottom of canon drains N. 80° E.
Ascend and leave pine timber.
64.02 Enter pine and aspen timber.
73.02 Leave aspens.
88.02 The cor. of Secs. 4, 5, 8 and 9.
Land, mountainous
Soil, gravelly. 3d rate.
Timber, aspen on 63.00 chs.; pine
on 13.00 chs.
Mountainous land on 88.02 chs.

August 30, 1899, at 8 hrs. 0° a. m.
l. m. t. we set off 41° 12' N. on
lat. arc. 8° 58' N. on decl. arc. and
determine a true meridian with
the solar at the cor. of Secs. 31 and
32 on the S. bdy. of Tp. heretofore
described.
hence we run
N. 0° 4' W. bet. Secs. 31 and 32.
Over mountainous land ascending,
through service berries and sage
brush, along E. slope, over short spur

Subdivisions of T. 6 N. R. 5 E. - continued

and hollow.
30.00 Enter scrub aspens.
40.00 Set a boulder 14 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 1 1/2 ft. high W. of cor.
Pits impracticable.
48.00 Leave scrub aspens.
Bottom of ravine near head drains S. 10° W.
80.00 Set a boulder 13 x 10 x 7 ins. 9 ins. in the ground for cor. of 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 1 1/2 ft. high W. of cor.
Pits impracticable.
Land, mountainous.
Soil, gravelly; 3d rate.
Timber, aspens on 10.00 chs.
mountainous land and dense undergrowth on 80.00 chs.

N. 89° 48' E. on a random line bet. Secs. 29 and 32.
40.00 Set temp. 1/4 Sec. cor.
79.87 Intersect N. and S. line 18 lks. S. of cor. of Secs. 28, 29, 32 and 33.
Thence the run on true line S. 89° 45' W. bet. Secs. 29 and 32.
Ascend abruptly and enter oak brush and scrub aspens.
23.00 Top of ridge bears N. W. and S. E.
Leave aspens.
Descend
37.00 Gulley drains S. E.
Ascend and enter as ins.

Subdivisions of T. 6 N. R. 5 E. - Continued

39.93 Set a boulder 18 x 10 x 8 ins. 12 ins. in the ground for 1/4 sec. cor., marked 1/4 on N. face, from which
an aspen 3 ins. diam. bears N. 39° 15' W. 15 lks. dist., marked 1/4 S. 29 B.T.
An aspen 3 ins. diam. bears S. 10° E. 12 lks. dist., marked 1/4 S. 32 B.T.
Spring about 4.00 chs. S. Ascend.
47.00 Leave aspens.
50.00 Top of spur slopes S.
Descend.
55.00 Gulley drains S. 75° E. Ascend and enter aspens and scattering pine.
72.00 Top of ridge bears N. 15° W. and S. 15° E. Leave aspens.
79.87 The cor. of Secs. 29, 30, 31 and 32.
Land, mountainous.
Soil, gravelly, 3d rate.
Timber, aspens.
mountainous land on 79.87 chs.

S. 89° 48' W. on a random line bet. Secs. 30 and 31.
40.00 Set temp. 1/4 Sec. cor.
56.41 Intersect W. bdy. of Tp 2 ch. S of the cor. Secs. 25, 30, 31, and 36.
ce we run
N. 89° 49' E. on a true line bet. Secs. 30 and 31.
16.4 Set a boulder 16 x 8 x 7 ins. 11 ins. in ground for 1/4 Sec. cor., marked 1/4 on N. face, from which
aspen 4 ins. diam. bears S. 53° E. 36 lks. dist., marked 1/4 S. 31 B.T.
An aspen 3 ins. diam. bears N. 1° W. 33 lks. dist., marked 1/4 S. 30 B.T.
20.41 Leave scrub aspens, thick

and brush.
22.44 Top of spur projects S. W.
Descend N. W. slope.
27.44 Head of draw drains S. W.
31.44 Top of ridge bears N. 10° W. and S. 10° E.
Descend gently.
40.44 Enter scrub aspens.
44.44 Leave scrub aspens.
49.44 Bottom of ravine drains S.
Ascend steep E. slope.
56.44 The cor. of Secs. 29, 30, 31 and 32.
Land, mountainous.
Soil, gravelly; 3d rate.
Timber, aspens.
Mountainous land and dense undergrowth on 56.44 chs.

N. 00° 04' W. bet. Secs. 29 and 30.
Over mountainous land, through sage brush.
Ascend.
5.00 Top of spur projects W.
Descend.
23.00 Bottom of ravine drains S. 10° W.
Ascend.
40.00 Set a boulder 20x14x10 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.
44.00 Enter scrub aspens N. W. and S. E.
49.00 Top of ridge bears N. W. and S. E.
Descend
50.00 Enter aspens.
57.00 Head ravine drains N. E.

Subdivisions of T. 6 N. R. 5 E.- continued.

Ascend.
74.00 Top of spur projects E.
Descend.
80.00 Set a boulder 24 x 14 x 12 ins. 18 ins. in the ground for cor. of Secs. 19, 20, 29 and 30, marked with 2 notches on S. and 5 notches on E. edges, from which
An aspen 8 ins. diam. bears N. 68° E. 42 lks. dist., marked T. 6 N. R. 5 E. S. 20 B. T.
An aspen 6 ins. diam. bears S. 32° E. 35 lks. dist., marked T. 6 N. R. 5 E. S. 29 B. T.
An aspen 6 ins. diam. bears S. 25° W. 38 lks. dist., marked T. 6 N. R. 5 E. S. 30 B. T.
An aspen 7 ins. diam. bears N. 32° W. 10 lks. dist., marked T. 6 N. R. 5 E. S. 19 B. T.
Land, mountainous.
Soil, loamy and gravelly; 2d and 3d rate.
Timber, aspens on 30.00 chs.
Mountainous land and dense undergrowth on 80.00 chs.
August 30, 1899, at this cor. we set off 8° 54' W. on decl. arc, and at 12 hrs. 0' a. m. l. m. t. observe the sun on the meridian, the resulting lat. is 41° 14' N.

N. 89° 45' E. on a random line bet. Secs. 20 and 29.
40.00 Set temp. 1/4 Sec. cor.
79.80 Intersect N. and S. line 7 lks. N. cor. of Secs. 20, 21, 28 and 29.
as we run

Subdivisions of T. 6 N. R. 5 E. - continued

S. 89° 48' W. on a true line bet. Secs. 20 and 29.

2.80 Top of ridge bears N. 20° W. and S. 20° E.
Descend.

23.80 Head of draw drains S. W.
Ascend.

29.80 Top of spur projects S. W.

39.90 Set a boulder 14 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.

43.80 Bottom of ravine, small spring branch 1 lk. wide runs S. E.
Also enter aspens N. W. and S. E.

59.80 Enter scattering pine timber N. W. and S. E.

61.80 Leave scattering pine timber

79.80 The cor. of Secs. 19, 20, 29 and 30.
Land, mountainous.
Soil, gravelly and loamy; 2d and 3d rate.
Timber, aspen on 43.80 chs.; pine on 2.00 chs.
Mountainous land and dense undergrowth on 79.80 chs.

S. 89° 49' W. on a random line bet. Secs. 19 and 30.

40.00 Set temp. 1/4 Sec. cor.

56.31 Intersect W. bdy. of Tp. 3 lks. N. of cor. of Secs. 19, 24, 25 and 30. hereto fore described.
Thence we run

Subdivision of S. 6 N. R. 3 E. - Continued.

N. 89° 47' E. on a true line bet. Secs. 19, and 30.

Ascend.

6.00 Leave aspens and willows N. E. and S. W.

8.00 Head of draw drains N. W.

16.00 Top of spur projects N. W.

16.31 Set a boulder 16 x 10 x 6 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.

Descend.

20.00 Enter aspen timber N. W. and S. E.

30.00 Leave aspen timber N. W. and S. E.

Also head of draw drains N. W.

Ascend.

46.00 Top of ridge bears N. and S.

Descend.

50.00 Enter aspen timber N. and S. and few scattering pine.

56.31 The cor. of Secs. 19, 20, 29 and 30.

Land mountainous.

Soil, loamy and gravelly, 2d and 3d rate.

Timber, aspen on 16.00 chs.; pine on 6.50 chs.
Mountainous land and dense under-growth on 56.31 chs.

N. 0° 04' W. bet. Secs. 19 and 20.
Descend through aspens.
2.00 Leave aspens.
4.00 Head of draw drains E.; spring about 3.00 chs. E.
Ascend gradually.
7.00 Enter scrub aspens.
24.00 Top of flat spur slopes N. E.; thence along rolling top.
40.00 Set a boulder 16 x 8 x 6 ins. 11 ins. in the ground for 1/4 Sec. cor., marked 1/4 on W. face, from which
An aspen 6 ins. diam. bears S. 28° W. 27 lks. dist., marked 1/4 S. 19 B. T.
An aspen 6 ins. diam. bears S. 84° E. 49 lks. dist., marked 1/4 S. 20 B. T.
Descend
55.00 Head of gulley drains N. E.
Leave aspens.
61.00 Top of spur slopes E.
Descend and enter aspens.
68.00 Head of ravine drains S. E.; junction about 8.00 chs. E.
Ascend and leave aspens.
71.00 Enter scrub aspens.
80.00 Set a boulder 18 x 10 x 8 ins. 12 ins in the ground for cor. of Secs. 17, 18, 19 and 20, marked 3 notches on S. and 5 notches on E. edge from which
An aspen 5 ins. diam. bears N. 34° E. 30 lks. dist., marked T. 6 N. R. 5 E. S. 17 B. T.
An aspen 4 ins. diam. bears S. 35° E.

17 lks. dist., marked T. 6 N. R. 5 E.
S. 20 B. T.
An aspen 6 ins. diam. bears S. 68° W.
13 lks. dist., marked T. 6 N. R. 5 E.
S. 19 B. T.
An aspen 5 ins. diam. bears N. 58° W.
38 lks. dist., marked T. 6 N. R. 5 E.
S. 18 B. T.
Land, mountainous.
Soil, gravelly, 3d and 4th rate.
No timber.
Mountainous land on 80.00 chs.

N. 89° 48' E. on a random line bet.
Secs. 17 and 20.
40.00 Set temp. 1/4 Sec. cor.
79.75 Intersect N. and S. line at the cor. of
Secs. 16, 17, 20 and 21.
Thence we run
S. 89° 48' W. on a true line bet.
Secs. 17 and 20.
4.75 Top of spur slopes S.
Enter timber.
Descend.
24.75 Bottom of ravine, spring branch,
3 lks. wide, drains S. 75° E.
Ascend gradually.
39.87 Set a boulder 18 x 8 x 8 ins. 12 ins. in
the ground for 1/4 Sec. cor., marked
1/4 on N. face, from which
An aspen 7 ins. diam. bears N. 72° E.
66 lks. dist., marked 1/4 S. 17 B. T.
An aspen 12 ins. diam. bears S. 81° W.
84 lks. dist., marked 1/4 S. 20 B. T.
46.75 Bottom of ravine drains N. 75° E.
Also spring branch 2 lks. wide
Ascend and enter aspen and
pine timber.

Subdivisions of T. 6 N. R. 5 E.. Continued.

52.75 Point of spur projects S. E.
descend through scrub aspens.
65.75 Head of draw drains S. E.
74.75 Point of spur slopes S. E.
75.75 Enter aspens.
79.75 The cor. of Secs. 17, 18, 19 and 20.
Land, mountainous.
Soil, gravelly, 3d and 4th rate.
Timber, aspen on 29.00 chs.
mountainous land on 79.75 chs.

August 31st, 1899, at 8 hrs. 0' a. m. l. m. t. we set off 41° 15' N. on lat. arc, 8° 36' N. on decl. arc. and determine a true meridian with the solar at the cor. of Secs. 17, 18, 19 and 20.
Thence we run
S. 89° 47' W. on a random line bet. Secs. 18 and 19.
40.00 Set temp. 1/4 Sec. cor.
56.10 Intersect W. bdy. of Tp. 6 lks. N. of cor. of Secs. 13, 18, 19 and 24 heretofore described.
Thence we run
N. 89° 43' E. on a true line bet. Secs. 18 and 19.
Descend
12.60 Head of ravine drains S. W.
Ascend
16.10 Set a boulder 17 x 9 x 6 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.
35.10 Top of main ridge bears N. 15° W. and S. 15° E.
descend.
43.10 Head of draw drains S. E.
Ascend rocky

52.10 Top of spur projects S. E.
Enter aspens.
56.10 The cor. of Secs. 17, 18, 19 and 20.
Land, mountainous.
Soil, gravelly; 3d and 4th rate.
No timber.
Mountainous land on 56.10 chs.

N. 0° 04' W. bet. Secs. 17 and 18.
Ascend.
2.00 Leave aspens.
5.00 Top of spur projects S. 80° E.
Descend.
8.00 Enter scrub aspens.
14.00 Bottom of hollow drains E.
Ascend and leave aspens.
24.00 Top of spur projects E.
Descend. Enter aspens.
32.00 Bottom of hollow and head of ravine drains S. E. Spring branch 3 lks. wide
Ascend.
40.00 Set a boulder 18 x 8 x 8 ins. 12 ins. in the ground for 1/4 Sec. cor., marked 1/4 on W. face, from which
An aspen 4 ins. diam. bears S. 11° E. 14 lks. dist., marked 1/4 S. 17 B. T.
An aspen 3 ins. diam. bears S. 56° 30' W. 17 lks. dist., marked 1/4 S. 18 B. T.
50.00 Leave aspens.
54.00 Top of ridge bears N. 80° W. and S. 80° E.
Descend.
55.00 Enter aspens.
80.00 Set a boulder 16 x 8 x 6 ins. 11 ins. in the ground for cor. of Secs. 7, 8, 17 and 18, marked with 4 notches on S. and 5 on E. edges.
An aspen 4 ins. diam. bears N. 74° 30' E. 69 lks. dist., marked T. 6 N. R. 5 E.

Subdivisions of T. 6 N. R. 5 E.-- Continued.

S. 8 B.T.
An aspen 3 ins. diam. bears S. 70° E.
48 lks. dist., marked T. 6 N. R. 5 E. S.
17 B.T.
An aspen 4 ins. diam. bears S. 32° W.
64 lks. dist., marked T. 6 N. R. 5 E.
S. 18 B.T.
An aspen 4 ins. diam. bears N. 52° 30' W.
50 lks. dist., marked T. 6 N. R. 5 E.
S. 7 B.T.
Land, mountainous.
Soil, gravelly: 3d and 4th rate.
Timber, aspen on 43.00 chs.
Mountainous land on 80.00 chs.

N. 89° 48' E. on a random line
bet. Secs. 8 and 17.
40.00 Set temp. 1/4 Sec. cor.
79.58 Intersect N. and S. line 12 lks. S. of
cor. of Secs. 8, 9, 16 and 17.
Thence we run
S. 89° 43' W. on a true line bet.
Secs. 8 and 17.
Over mountainous land, through
aspen and dense brush.
Descend.
2.00 Swail also spring branch, 1 lk. wide
1 ins. deep. runs N. 15° W.
Ascend along N. slope.
10.00 Small spur projects N.
Descend gently.
24.00 Enter willows.
25.00 Bottom of ravine drains N. 10° E.
26.00 Leave willows. Ascend.
38.00 Point of spur projects S.
39.79 Set a sandstone 16 x 8 x 3 ins. 11 ins.
in the ground for 1/4 Sec. cor., marked
1/4 on N. face, from which

An aspen 4 ins. diam. bears N. 42° E. 32 lks. dist., marked 1/4 S. 8 B. T.
An aspen 3 ins. diam. bears S. 4° W. 33 lks. dist., marked 1/4 S. 17 B. T.
51.00 Bottom of ravine bears S. 80° E.
Ascend.
79.58 The cor. of Secs. 7, 8, 17 and 18
Land, mountainous.
Soil, loamy and gravelly; 2d and 3d rate.
Timber, aspen on 77.58 chs.
mountainous land and dense undergrowth on 79.58 chs.

S. 89° 43' W. on a random line bet. Secs. 7 and 18.
40.00 Set temp. 1/4 Sec. cor.
56.07 Intersect W. bdy. of Tp. at the cor. of Secs. 7, 12, 13 and 18 heretofore described
Thence we run
N. 89° 43' E. on a true line bet. Secs. 7 and 18.
1.07 5 large dead pines 15 lks. S. of line.
16.07 Set a boulder 16 x 10 x 5 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.
18.07 Top of bench bears N. and S.
23.07 Enter aspens.
31.07 Head of draw drains N. E.
Ascend. Leave aspens.
36.07 Top of ascent. Enter scrub aspens.
Descend gradually.
56.07 The cor. of Secs. 7, 8, 17 and 18.
Land, mountainous.
Soil gravelly 3d rate
Timber, aspens

Subdivisions of T. 6 N. R. 5 E. - Continued

mountainous land on 56.07 chs.
August 31st, 1899, at this cor. we set off 8° 32' W. on ded. arc, and at 12 hrs. 0' a. m. l. m. to observe the sun on the meridian, the resulting lat. is 41° 16' N.

N. 0° 04' W. bet. Secs. 7 and 8
Over mountainous land, through aspens.
Descend.
2.00 Enter willows E. and W.
8.00 Bottom of ravine drains S. 85° E.
Also leave willows. Ascend steep E. slope.
16.00 Leave aspens N. W. and S. E. Enter sage brush
30.00 Top of spur projects S. 65° E.
Descend.
Also enter scrub aspens. Leave sage.
40.00 Head of draw drains N. 75° E. Ascend.
Set a boulder 12 x 8 x 6 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.
45.00 Top of spur projects N. 50° E.
Descend.
46.00 Enter aspens, patches of willows and dense brush.
64.00 Bottom of ravine drains S. 75° E.,
Also spring branch 1 lk. wide 2 ins. deep. S 75° E.
Ascend. Leave aspen timber. Enter scrub aspens.
80.00 Set a boulder 14 x 8 x 7 ins 10 ins in ground for cor of Secs. 5, 6, 7 and 8, marked with 5 notches on S. and E. edges, from which

An aspen 5 ins. diam. bears N. 60° E. 26 lks. dist., marked T. 6 N. R. 5 E. S. 5 B. T.
An aspen 5 ins. diam. bears S. 17° E. 15 lks. dist., marked T. 6 N. R. 5 E. S. 8 B. T.
An aspen 6 ins. diam. bears S. 60° W. 44 lks. dist., marked T. 6 N. R. 5 E. S. 7 B. T.
An aspen 3 ins. diam. bears N. 57° W. 39 lks. dist., marked T. 6 N. R. 5 E. S. 6 B. T.
Land, mountainous.
Soil, loamy and gravelly; 2d and 3d rate.
Timber, aspens on 18.00 chs.
Mountainous land and dense under-growth on 80.00 chs.

N. 89° 43' E. on a random line bet. Secs. 5 and 8.
40.00 Set temp. 1/4 Sec. cor.
79.44 Intersect N. and S. line 6 lks. N. of cor. of Secs. 4, 5, 8 and 9.
Thence we run
S. 89° 46' W. on a true line bet. Secs. 5 and 8.
Over mountainous land, through scrub aspens and dense brush.
Ascend.
6.00 Top of ridge bears S. 85° E. N. 85° W.
Thence along on S. side of ridge, over small spurs and hollows.
16.00 Head of draw drains S. Ascend.
20.00 Top of spur projects S.
Descend.
35.00 Head of draw drains S. Ascend.
39.72 Set a boulder 15 x 9 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.
43.00 Top of spur projects S.
Descend.
51.00 Head of draw drains S. Ascend.
Also enter patch of scrub aspens.
65.00 Top of spur projects S. Leave scrub aspens. Descend.
70.00 Head of draw drains S. Ascend.
77.00 Top of spur projects S.
78.00 Enter scrub aspens.
79.44 The cor. of Secs. 5, 6, 7 and 8.
Land, mountainous.
Soil, gravelly; 3d rate.
No timber.
Mountainous land and dense undergrowth on 79.44 chs.

S. 89° 43' W. on a random line betg. Secs. 6 and 7.
40.00 Set temp. 1/4 Sec. cor.
56.02 Intersect W. bdy. of Tp. 16 lks. S. of cor. of Secs. 1, 6, 7 and 12 heretofore described.
Thence we run
N. 89° 53' E. on a true line betg. Secs. 6 and 7.
Descend.
3.00 Leave timber.
5.00 Spring branch 2 lks. wide drains N. E.
8.00 Bottom of hollow drains S. E. Ascend Spring branch, 3 lks. wide.
10.00 Enter aspens.
16.02 Set a boulder 16 x 10 x 6 ins. 11 ins. in the ground for 1/4 Sec. cor., marked 1/4 on N. face, from which

An aspen 6 ins. diam. bears N. 37° W.
47 lks. dist., marked 1/4 S. 6 B.T.
An aspen 8 ins. diam. bears S. 9° E.
20 lks. dist., marked 1/4 S. 7 B.T.
43.00 Leave aspens. Ascend.
46.00 Top of spur projects S.
Descend. Enter aspens.
51.00 Bottom of hollow drains S.
Ascend.
56.02 The cor. of Secs. 5, 6, 7 and 8.
Land, mountainous.
Soil, gravelly; 4th rate.
Timber, aspen on 46.02 chs.
Mountainous land on 56.02 chs.

Showing from previous retracement that a closing cor. will be necessary bet. Secs. 5 and 6 on the N. bdy. of Tp. we run
N. 0° 4' W. on a true line bet. Secs. 5 and 6.
Over steep mountainous land,
through scrub aspens.
Ascend.
2.00 Leave scrub aspens N. and S.
Enter sag.
21.00 Top of ridge bears N. W. and S. E.
Descend.
23.00 Enter aspens E. and W.
Descend abruptly.
40.00 Set a boulder 16 x 12 x 8 ins. 11 ins. in the ground for 1/4 Sec. cor., marked 1/4 on W. face from which
An aspen 7 ins. diam. bears N. 42° W.
20 lks. dist., marked 1/4 S. 6 B.T.
An aspen 7 ins. diam. bears N. 78° E. 20 lks. dist., marked 1/4 S. 5 B.T.
41.00 Bottom of ravine drains S. 70° E.,
spring branch 3 lks. wide 2 ins.

Subdivisions of T. 6 N. R. 5 E.—Continued.

deep; junction, 10. ch. S. 70° E.
Ascend.
48.00 Point of spur projects S.E.; thence along N.E. slope.
66.00 Bottom of ravine; spring branch 3 lks. wide 2 ins. deep runs S. 30° E.
88.45 Intersect N. bdy. of Tp. 78 lks. E. of cor. of Secs. 5, 6, 31 and 32.
Set a boulder 14 x 9 x 5 ins. 10 ins. in the ground for cor. of Secs. 5 and 6, marked C.C. on S. with 1 groove on W. and 5 grooves on E. faces, from which
An aspen 5 ins. diam. bears S. 83° E. 26 lks. dist, marked T. 6 N. R. 5 E. S. 5 B. T.
An aspen 6 ins. diam. bears S. 13° W. 15 lks. dist., marked T. 6 N. R. 5 E. S. 6 B. T.
Land, mountainous.
Soil, loamy and gravelly; 2d and 3d rate.
Timber, aspen on 65.56 chs
Mountainous land and dense undergrowth on 88.45 chs.

Note: We destroy all marks on old cor. pertaining to Secs. 5 and 6.

General Description.

This township is very rough and mountainous, being adapted only for grazing, for which it is extensively used.

The township is cut by two well defined canons. Lost Creek running through the Eastern portion of the township from N. E. to S. W. and Blue Fork running through the rem portion the township

Subdivisions of T. 6 N. R. 5 E. - Continued

from N. W. to S. E.

The north slopes of nearly all the ridges are covered with a dense growth of small quaking asp and some scattering pine timber is found along the banks of Lost Creek and Blue Rock.

The township is well watered by numerous small streams and springs of pure fresh water.

There are no indications of mineral in the township.

Frank M. E. Baxter
David H. Bliscom
U.S. Dep Surveyors.

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by .....

....., United States Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the survey of .....

.....

showing the respective capacities in which they acted:

....., *Chainman.*

....., *Chainman.*

....., *Moundman.*

....., *Moundman.*

....., *Axman.*

....., *Axman.*

....., *Flagman.*

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted .....

....., United States Deputy Surveyor, in surveying all those parts or portions of the .....

.....

.....

..... of the .....

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

....., *Chainman.*

....., *Chainman.*

....., *Moundman.*

....., *Moundman.*

....., *Axman.*

....., *Axman.*

....., *Flagman.*

.....

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

SEAL

.....

.....

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FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, ..., United States Deputy Surveyor, solemnly swear that, in pursuance of a contract received from United States Surveyor General for ....., bearing date of ..... day of ....., 189 , I have well, faithfully, and truly, in my o proper person, and in strict conformity with the instructions furnished by the United States Surve General for ....., the Manual of Surveying Instructions, and the laws of United States, surveyed all those parts or portions of .....

.....

.....

.....

..... of the

..... meridian, in the ..... of ....., which are represented in foregoing field notes as having been surveyed by me, and under my direction; and I do further solem swear that all the corners of said survey have been established and perpetuated in strict accordance w the Manual of Surveying Instructions, and the special written instructions of the United States Surve General for ..... and in the specific manner described in the field notes, and t the foregoing are the original field notes of such survey; and should any fraud be detected, I will the penalty of perjury under the provisions of an Act of Congress approved August 8, 1846.

.....

United States Deputy Surve

Subscribed by said ....., and sworn to before me this ..... day of ....., 189

SEAL

.....

.....

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, October 8th 1900, 189

The foregoing field notes of the survey of the subdivisions of Township 1 S Range 5 E East of the Salt Lake Base & Meridian, Utah

executed by Frank E. Baxter & David H. Blossom under ~~his~~ their contract No. 223, dated January 9th, 1899, having b critically examined, and the necessary corrections and explanations made, the said field notes, and surveys they describe, are hereby approved.

Jacob B. Lai

United States Surveyor Gene

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.

.....

United States Surveyor Gen

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4—679.

BOOK A-261

FIELD NOTES

OF THE retracement SURVEY OF THE

X.B.B.

South Boundary

of

T5N-R4E

First Standard Parallel North

Of the Salt Lake Base and Meridian,

State of Utah

AS SURVEYED BY

Frank E Baxter and David H Blossom, United States Deputy Surveyors & Nunc pro tunc Special Instructions dated June 11, 1900

Under ~~his~~ their Contract No. 223, dated January 21, 1899

~~Survey~~ retracement commenced September 2, 1899

~~Survey~~ retracement completed September 3, 1899

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Retracement Standard - Pl. high M. Chs Ok - 5-59-71

BOOK A-20.

NAMES AND DUTIES OF ASSISTANTS.

J. W. Chase	Chainman.
Dorsey Herr	Chainman
J. W. Dougall	Chainman
Austin Roylance	Chainman
Joseph Bagley	Moundman
Leonard Diamond	Moundman
Leonard Diamond	Axman
Thos S. Roylance	Axman.
Harry Rager	Flagman.
Chas C. Friel	Flagman

See preliminary affidavits in book "L2"

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BOOK A-261

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PRELIMINARY OATHS OF ASSISTANTS.

[illegible] and [illegible]

[illegible] fully execute the duties of chainmen; that we will level [illegible] plumb the tally pins, either by sticking or dropping the same; that [illegible] all [illegible] objects, and the true lengths of all lines that we assist [illegible] ability, and in accordance with instructions given us, in the survey [illegible]

[illegible], *Chainman.*

[illegible], *Chainman.*

[illegible] before me this [illegible] day of [illegible], 18[illegible]

[illegible]

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

[illegible], *Moundman.*

[illegible], *Moundman.*

[illegible] and sworn to before me this [illegible] day of [illegible], 18[illegible]

[illegible]

We [illegible] and [illegible] 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 [illegible]

[illegible], *Axman.*

[illegible], *Axman.*

[illegible] before me this [illegible] day of [illegible], 18[illegible]

[illegible]

I [illegible] do solemnly swear that I will well and truly perform [illegible] instructions given me, to the best of my skill and ability, in the [illegible]

[illegible], *Flagman.*

[illegible] day of [illegible], 18[illegible]

[illegible]

Tracements 1st Standard Parallel N. through R. 4 E.

Retracements commenced Sept. 2 - 1899 and executed with two W. and L. E. Gurley light mountain transits, no numbers, each with solar attachment. The horizontal limb of each 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 lat. and decl. arcs.
The instruments were examined, tested on the true meridian at Salt Lake City found correct and were approved by the Surveyor General for Utah May 29 1899.
We examine the adjustments of the transits and correct the level and collimation errors, then to test the solar apparatus by comparing their indications resulting from solar observations made during A.M. and P.M. hours with a true meridian determined by observations on Polaris we proceed as follows:-
At our camp which is situated near the center of the Township Latitude 41° 10' N. Longitude 111° 29° W. we set off 41° 10' N. on lat. arc 7° 45' N. on decl. arc and at 4^h 0^m P.M. l.m.t. determine with the solar of one of the instruments a true meridian and mark a point thereof on a plug driven in the ground 5.00 chs. N. of initial point.
With the second instrument placed over the same initial point we set off 41° 10' N. on lat. arc 7° 45' N. on decl. arc and at 4^h 10^m P.M. l.m.t. determine with the solar a true meridian and mark a point thereof on the plug already set 5.00 chs. N. of our station. This point falls 0.1 ms. E. of that of the first instrument.
At 8^h 39^m P.M. l.m.t. we observe Polaris at Eastern el with the first in-

strument in accordance with Manual of Instructions and mark a point thereof in a plug driven in the ground 5.00 chs. Sr. of out station.

Sept. 2nd 1899.

Sept. 3rd 1899. At 7h 30m A.M. l.m.t. we lay off the azimuth of Polaris 1° 38' to the West and mark the true meridian thus determined with the first instrument by a pencil mark on the stake set Sept. 2nd 1899 on which the true meridian falls 0.3 ins. E. of the mark determined by the solar of the first instrument and 0.2 ins. E. of that of the second instrument.
At 8h 0m A.M. l.m.t. we set off 41° 16' Sr. on the lat. arc 7° 31' Sr. on the decl. arc of the first instrument and mark a point on the true meridian determined with the solar by a pencil mark on the stake already set 5.00 chs. Sr. of our station. This mark falls 0.1 ins. E. of the true meridian established by the Polaris observation

At 8h 10m A.M. l.m.t. we set off 41° 16' Sr. on the lat. arc 7° 31' Sr. on the decl. arc of the second instrument and mark a point on the true meridian determined with the solar by a mark on the stake already set 5.00 chs. Sr. of our station. This mark falls 0.2 ins. E of the true meridian established by the Polaris observation.
The solar apparatus by P.M. and A.M. observations define positions for true meridian respectively about 0' 16" West and 0' 05" E. of the true meridian established by the Polaris observations with the first instrument and 0' 11" Wr. and 0' 11" E. of the same with the second instrument therefore we conclude that the adjustments of the

1st Standard Parallel N. through R. 4 E.

Chains	
	instruments are satisfactory.
	The magnetic bearing of the true meridian at 8h 15m A.M. l.m.t. is N. 17° 18' N. the angle thus determined reduced by the table page 100 gives the mean magnetic declination 14° 15' E.
	Preliminary to commencing the survey of the exterior boundaries of this Tp. we retrace the First Standard Parallel N. or S. Bdy of this Tp. as follows:
	We proceed to the corner of Tps. 4 and 5 N. Rs. 4 and 5 E. which is a gray sandstone 12 x 4 x 14 ins. above ground marked and witnessed as described by the Surveyor General.
	Sept. 3rd 1899 at 9 A.M. l.m.t. at this cor. we set off 41° 07' N. on the lat. arc 7° 29' N. on the decl. arc and determine a true meridian with the solar
	Thence we run
	West on retracement line
	On S. Bdy. of Sec. 36
	Ascend gently through sage brush
8.00	Ascend abruptly
33.00	Top of ridge bears N.E. and S.W.
	Descend
40.50	Head of large draw drains S.W.
	Fall 20 lks. N. of old 1/4 sec. cor. which is a boulder 10 x 6 x 10 ins. above ground marked and witnessed as described by the Surveyor General
60.50	Top of spur projects S.W.
79.76	Fall 27 lks. S. of old corner of secs. 35 and 36 which is a sandstone 8 x 4 x 10 ins. above ground firmly set and marked and witnessed by the Surveyor General
	The course of this line is therefore N. 89° 48' W.
	Land mountainous
	Soil 4th rate

Retracement 1st Standard Parallel Nr. through R. 4 E.

Chains	
	No timber
	Mountainous land on 79.76 chs.
	West on retracement line on S. Bdy. of Sec. 35
	Descend
0.50	Head of deep ravine drains S. 20° W.
	Ascend abruptly through scattering cedar
26.50	Top of high steep slopes S.
	Descend abruptly
39.70	In head of draw draining S. 20° W.
	Fall 5 lks. S. of old 4 sec. cor. which is a sandstone 3 x 12 x 5 ins. above ground limbs set and marked and witnessed as described by the Surveyor General
66.00	Top of cedar covered steep slopes South
	Descend gradually over rough South slope through cedars
79.60	Fall 1 lks. S. of old cor. of secs. 34 and 35 which is a sandstone 10 x 4 x 12 ins. above ground marked and witnessed as described by the Surveyor General
	The course of this line is therefore Nr. 89° 55' W.
	Land mountainous
	Soil rocky 4th rate
	Timber scrub cedar on 79.60 chs.
	Mountainous land on 79.60 chs.
	West on retracement line on S. Bdy. of Sec. 34
	Descend abruptly
2.50	Bottom of rock gully drains S.
	Ascend abruptly
10.00	Top of rock spur projects S.
	Thence along rough rocky South slope
23.19	Descend abruptly into Cedar Cañon
37.00	Enter cañon bottom bears Nr. 80° W.
	Cross road bears Nr. 80° W.
37.50	Enter oat field bears Nr. 80° W. and S. 80° E.

1st Standard Parallel N. through R. 4 E.

Chains	
	Oat field belongs to James Hopkins
40.10	Old 1/4 sec. cor. bears N. 5 lks. dist. which is a sandstone 9 x 8 x 8 ins. 9 ins. above 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 corner
	Pits impracticable
	James Hopkins' cabin bears N.W. about 6.00 chs. dist.
41.50	Cross creek 10 lks. wide drains N. 80° W
48.88	Old meander cor. which is a boulder 6 x 5 x 6 ins. above ground firmly set and marked and witnessed as described by the Surveyor General
51.00	Center of Lost Creek 50 lks. wide drains S.W.
55.19	Fall 8 lks. S. of S.E. Cor. of L. L. Doone's private land claim
58.00	West side of small pond
63.00	Leave pond
66.08	Fall 10 lks. S. of S.W. Cor. of L. L. Doone's private land claim
75.31	Barbed wire fence bears N.E. and S.W.
75.41	Wagon road bears N.E. and S.W.
75.61	Ascend
80.20	Fall 11 lks. S. of old cor. of secs. 33 and 34 which is a sandstone 8 x 6 x 10 ins. above ground firmly set and marked and witnessed as described by the Surveyor General
	The course of this line is therefore N. 89° 55' W.
	Land mountainous
	Soil gravelly 3rd rate
	No timber
	Mountainous land on 80.20 chs.
	Sept. 3-1899. We set off 7° 26' N. on the decl. arc. and at 12h 06m A.M. l.m.t. observe the sun on the meridian. The lat. is 41° 07' N.

Retracement 1st Standard Parallel N. through R. 4 E.

Chains	
	West on retracement line on S. Bdy. Sec. 33
	Over rough mountainous land
	Through scattering oak and sagebrush
	From this corner house of Lyon L. Jobne bears N. 58° 25' E.
	Barn bears N. 48° E.
	Thence ascend over spur and hollows
10.00	Top of spur projects S. E.
	Descend
19.50	Bottom of gulch drains S. 30° E.
	Ascend
38.00	Top of spur projects S. W.
	Descend
39.65	Fall 5 lks. S. of old 1/4 cor. which is a cobble stone 13 x 8 x 6 ins. above ground firmly set and marked and witnessed as described by the Surveyor General
	Descend over small spur and hollow
67.00	Small spur projects S. W.
	Descend abruptly
79.00	Bottom Cottonwood Cañon
	Enter cottonwood
79.55	Leave cottonwood
	Fall 11 lks. S. of old cor. of secs. 32 and 33 which is a cobble stone 10 x 8 x 10 ins. above ground firmly set and marked and witnessed as described by the Surveyor General The course of this line is therefore N. 89° 55' W.
	Land mountainous
	Soil rocky and stony 4th rate
	No timber
	Mountainous land and dense undergrowth on 79.55 chs.
	West on retracement line On S. Bdy. of Sec. 32

racement 1st Standard Parallel N. through R. 4 E.

Chains	
	Over ascending mountainous land Through scattering oak and sagebrush Ascend steep E. slope
7.00	Top of small spur projects N. E. Descend
10.00	Bottom of gulch drains N. E. Ascend
33.00	Top of spur projects N. 10° E. Ascend gently
39.98	Fall 5 lks. S. of old 1/4 sec. corner which is a cobble stone 10 x 8 x 6 ins. above ground, firmly set and marked and witnessed as described by the Surveyor General
51.00	Top of ridge bears S. E. and N. W. for 3.00 chs. thence S. 20° W.
65.00	Top of same ridge bears N. 20° E. and S. 20° W.
79.72	Fall 12 lks. S. of old cor. of secs. 31 and 32 which is a cobble stone 12 x 6 x 6 ins. above ground firmly set and marked and witnessed as described by the Surveyor General The course of this line is therefore N. 89° 55' W. Land mountainous Soil gravelly 2nd and 3rd rate No timber Mountainous land on 79.72 chs:
	West on retracement line on S. Bdy. Sec. 31 Over mountainous land Through oak and scattering sage brush. Ascend
20.00	Top of ridge bears N. 25° W. and S. 25° E. Descend
35.00	Bottom Little Cottonwood Cañon drains S. 25° E.

Retracement 1st Standard Parallel N. through R. 4 E.

Chains.	
	Enter scrub aspens.
	Ascend
39.00	Leave aspens bear N. and S
39.71	Fall 8 lks. S. of old 1/4 sec. cor. which is a quartzite stone 12 x 6 x 6 ins. above ground firmly set and marked and witnessed as described by the Surveyor General
	Ascend
50.00	Top of ridge bears N.W. and S.E.
	Descend
60.88	Fall 14 lks. S. of old Tp. corner to Tps. 5 N. R. 4 E. only which is a cobble stone 10 x 8 x 8 ins. above ground firmly set and marked and witnessed as described by the Surveyor General.
	The course of this line is therefore N. 89° 52' W.
	Land mountainous
	Soil gravelly 3rd and 4th rate
	Timber scrub aspen on 40.00 chs.
	Mountainous land 60.88 chs.

For general description see Subdivisions of this Township.

Francis E. Baker
David H. Blossom
U.S. Dep. Surveyors.

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by Frank E Boyles and H Blossom, United States Deputy Surveyor~~s~~ to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the ~~survey~~ retracement of First Standard Parallel North through ranges 4 and 5 East Salt Lake Base and Meridian, Utah showing the respective capacities in which they acted:

J. W. Chase J. W. Dougall, Chainman.
Dorsey Herr Austin Roylance, Chainman.
Bagley, Moundman.
Leonard Diamond, Moundman.
Leonard Diamond, Axman.
Thos S Roylance, Axman.
Rager Chas C Friel, Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted Frank E Boyles and H Blossom, United States Deputy Surveyor~~s~~ in retracing surveying all those parts or portions of the First Standard Parallel North ranges 4 and 5 East of the Salt Lake Base and meridian, State of Utah, which 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 United States Surveyor General for Utah.

J W Chase J W Dougall, Chainman.
Dorsey Herr Austin Roylance, Chainman.
Joseph Bagley, Moundman.
Leonard Diamond, Moundman.
Leonard Diamond, Axman.
Thos S Roylance, Axman.
Harry Rager Chas. C. Friel, Flagman.

Subscribed and sworn to before me this 1st day of Nov, 1899

SEAL

Hugh W Dougall
Notary Public

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FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

We ~~I~~ Frank E Baxter and David H Blossom, United States Deputy Surveyors do solemnly swear that, in pursuance of a contract received from Jacob B Blair United States Surveyor General for the State of Utah, bearing date of the 21st day of January, 1899 & Nunc pro tunc Special Instructions dated June 11, 1900 we ~~I~~ have well, faithfully, and truly, in our ~~my~~ own proper persons, and in strict conformity with the instructions furnished by the United States Surveyor General for the State of Utah, the Manual of Surveying Instructions, and the laws of the United States, ~~surveyed~~ retraced all those parts or portions of the First Standard Parallel North through Ranges 4 & 5 East of the

of the Salt Lake Base and meridian, in the State of Utah, which are represented in the foregoing field notes included in Book 2 & 2 as having been surveyed by us ~~me~~, and under our ~~my~~ direction; and we ~~I~~ do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for the State of Utah and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey; and should any fraud be detected, we ~~I~~ will suffer the penalty of perjury under the provisions of an Act of Congress approved August 8, 1846.

Frank E Baxter David H Blossom
United States Deputy Surveyors

Subscribed by said Frank E Baxter and David H Blossom and sworn to before me this 21st day of June 1900, 189

Jacob B Bla
U.S. Surveyor General

SEAL

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City Utah October 8th 1900, 189

The foregoing field notes of the ~~survey~~ retracement of the First Standard Parallel North on South Boundary of Township 5 North Range 4 East of the Salt Lake Base & Meridian, Utah

executed by Frank E Baxter and David H Blossom under ~~his~~ their contract No. 223, dated January 21, 1899 & Nunc pro tunc Special Instructions dated June 11, 1900, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Jacob B Bl
United States 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.

United States Surveyor General.

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BOOK A-261

FIELD NOTES

OF THE SURVEY OF THE

K.J.B.

West and North Boundaries

of

T5N-R4E

Of the Salt Lake Base and Meridian,

State of Utah

AS SURVEYED BY

rank E Baxter and David H Blossom, United States Deputy Surveyors

Under ~~his~~ their Contract No. 223, dated January 21st, 1899

urvey commenced September 3rd, 1899

Survey completed " 5, 1899

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M. Chs Lks.

N- Bdry. high 6-00-00 ✓

N- " high 5-59-90 ✓

NAMES AND DUTIES OF ASSISTANTS.

J. W. Chase	Chainman
J. W. Dougall	Chainman
Dorsey Herr	Chainman
Austin Roylance	Chainman
Joseph Bagley	Monumenter
Leonard Diamond	Monumenter
Leonard Diamond	Axman
Thos S Roylance	Axman
Harry Rager	Flagman
Chas C Friel	Flagman

For preliminary affidavits see book "H"

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BOOK A-261

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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 over 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 establis[illegible] of corners, according to the instructions given us, to the best of our skill and ability, in the survey o[illegible]

.....

....., *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 corner[illegible] and other duties, according to instructions given us, to the best of our skill and ability, in the survey o

.....

....., *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 th survey of .....

....., *Flagman*

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

SEAL

.....

.....

West Boundary T. 5 N. R. 4 E.

Chains. Survey commenced Sept. 3-1899 and executed with two W. and L. E. Gurley light mountain transits - no numbers - each with solar attachment, for a full description of which see Book 7th. also for complete test see Book 7th

Sept. 3rd-1899. At the Standard S. W. corner of this Tp. which is a cobble stone 10 x 8 x 8 ins. above ground, marked and witnessed as described by the Surveyor General at 4 h. 0m P. M. l. m. t. we set off 41° 07' N. on the lat. arc 7° 23' N. on the decl. arc and determine a true meridian with the solar.

Thence we run

North on W. Bdy. of Sec. 31

Ascend gradually through sage brush and service berry

10.17 Intersect Closing Corner for Tp. 5 N. R. 3 E. which is a cobble stone 10 x 8 x 8 ins. above ground firmly set and marked and witnessed as described by the Surveyor General

13.00 Top of ridge 275 ft. high bears S. E. and N. W.

Descend through scattering aspens and dense undergrowth

38.50 Bottom of ravine drains S. E.

Ascend

40.00 Set a boulder 15 x 13 x 9 ins. 10 ins. in the ground for 1/4 sec. cor. on W. Bdy. Sec. 31 marked 1/4 on E. face with mound of stone 2 ft. base 1 1/2 ft. high E. of corner Pits impracticable. In oak brush

Ascend in oak

53.00 Top of ridge 200 ft. high bears E. and W. Descend through oak, maple, aspen and scattering pine

64.70 Bottom of gulch bearing N. E. and S. W. No water

Ascend

West Boundary T. 5 N. R. 4 E.

Chains	
70.00	Top of spur projects N. E.
	Descend and enter heavy aspen
77.00	Bottom of gulch bearing E. and W.
	No water
	Leave aspens
	Ascend and enter oak and heavy underbrush
80.00	Set a boulder 15 x 13 x 6 ins. 10 ins. in the ground for corner of sections 30 and 31 marked with 1 notch on S. and 5 notches on N. edges and raised a mound of stones 2 ft. base 1½ ft. high E. of corner. Pits impracticable
	Land mountainous
	Soil gravelly 3rd-rate
	Timber aspen 24.00 chs.
	Mountainous land 80.00 chs.

North on W. Bdy. Sec. 30

	Ascend through heavy oak brush
15.00	Top of ridge bearing E. and W.
	Descend
17.00	Enter aspens
28.00	Leave aspens
30.00	Enter Big Cottonwood Canon and creek with no water, drains E.
32.00	Ascend S. side of ridge with heavy growth of sage brush
40.00	Set a boulder 14 x 12 x 6 ins. 9 ins. in the ground for 1/4 sec. corner on W. Bdy. of Sec. 30, marked 1/4 on E. face and raised a mound of stone 2 ft. base 1½ ft. high E. of corner.
	Pits impracticable
	Ascend
42.00	Top of ridge 300 ft. high bears E. and W.
	Descend
	Enter aspens, bear brush and willows
53.00	Bottom of gulch drains E.

West Boundary T. 5 N. R. 4 E.

Chains	
	Ascend
	Leave aspens.
	Enter sage brush and oak
68.50	Top of ridge bears S.E. and N.W.
	Descend
	Enter aspens willows and scattering pine
74.00	Bottom of gulch drains E.
	Ascend
80.00	To top of spur projects E.
	Set a boulder 15x12x8 ins. 10 ins. in the ground for corner of sections 19 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 E. of corner.
	Pits impracticable
	Land mountainous
	Soil gravelly 3rd rate
	Timber aspen on 33.50 chs.
	Mountainous land on 80.00 chs.
	Sept. 3rd 1899.

Sept. 4-1899 At 8h 0m A.M. l.m.t. we set off 41° 09' N. on the lat. arc. 7° 09' N. on the decl. arc and determine a true meridian with the solar at the cor. of secs. 19 and 30 on N. Bdy. of this Tp.

Thence we run

North on N. Bdy. of Sec. 19

	Descend from top of spur
2.00	Enter heavy mountain willows
10.00	Bottom of gulch drains S.E.
10.42	Dry creek bed in bottom of gulch
	Ascend.
20.00	Top of ridge 300 ft. high bears S.E. and N.W.
	Descend.
23.00	Enter ravine drains S.E.

West Boundary T. 5 N. R. 4 E.

Drains Ascend
32.00 Brow of hill
Descend
40.00 Set a boulder 13x11x8 ins. 9 ins. in the ground for 1/4 sec. cor. on W. Bdy. Sec. 19 marked 1/4 on E. face and raised a mound of stone 2 ft. base 1 1/2 ft. high E. of corner
Pits impracticable
This corner is situated in Tom Condie's Hollow in patch of mountain willows
60.00 To creek in Tom Condie's Hollow. Creek 10 lks. wide drains S.E.
Ascend
74.00 Enter aspen and heavy oak
80.00 Set a boulder 15x12x11 ins. 10 ins. in the ground for corner of secs. 18 and 19 marked with 3 notches on S. and 3 notches on N. edges and raised a mound of stone 2 ft. base 1 1/2 ft. high E. of corner.
Pits impracticable
Land mountainous
Soil gravelly 3rd rate
No timber
Mountainous land on 80.00 chs.

North on W. Bdy. of Sec. 18
Ascend through scattering scrub oak
3.00 Top of ridge 350 ft. high bears N.W. and S.E. Descend
Enter aspens with scattering pine
21.00 Bottom of deep cañon with no water drains E. Ascend
23.00 To spring 20 lks. wide
Ascend through scattering aspens and sage brush
40.00 Set a boulder 12x10x8 ins. 8 ins. in the ground for 1/4 sec. cor. on W. Bdy. of Sec. 18 marked 1/4 on E. face and raised

West Bound T. 5 N. R. 4 E.

Chains. a mound of stone 2 ft. base 1½ ft.
E. of corner
Pits impracticable
This corner is situated on S. side of
ridge about 75 ft. from level of canon
Ascend.
42.70 Top of ridge 375 ft. high bears E. and
W. Descend abruptly through aspens,
bear brush, laurel, wild cherry and heavy
pines
57.70 Bottom of Black Gulch, no water, drains
E. Ascend
71.00 Top of ridge 200 ft. high bears E. & W.
Leave brush and enter scattering
pines. Descend
78.50 Bottom of gully drains E.
Ascend
80.00 Set a boulder 18 x 12 x 10 ins. 12 ins.
in the ground for corner of secs. 7 and
18 marked with 4 notches on S. and
2 notches on N. edges from which
An aspen 5" diam. bears N. 75° 30' E. 30
lks. dist. marked T. 5 N. R. 4 E. S. 7 B. T.
An aspen 8" diam. bears S. 14° 30' E. 50
lks. dist. marked T. 5 N. R. 4 E. S. 18. B. T.
Land mountainous
Soil gravelly 3rd rate
Timber aspen on 77 chs.
Mountainous land on 80.00 chs.

North on W. Bdy of Sec. 7
Ascend and enter aspens
10.00 Top of ridge 225 ft. high bears E. and
W. Enter heavy aspens, cottonwood, wild
cherry and mountain willows.
13.30 Cross Aspen 30 lks. wide drains E.
20.00 Descend through dense underbrush
fallen timber and scattering pines
40.00 Set a boulder 16 x 8 x 6 ins. 11 ins. in the
1/4 sec. cor. on W. B

West Boundary T. 5 N. R. 4 E.

chains	
	Sec. 7 marked 1/4 on E. face and raised a mound of stone 2 ft. base 1 1/2 ft. high E. of corner.
	Pits impracticable
	Ascend abruptly
57.00	Leave scrub-aspens
60.00	Enter aspen timber
65.00	Leave aspen timber
72.00	Top of bench bears E. and W.
	Enter scattering timber
	Descend
80.00	Set a boulder 18 x 12 x 8 ins. 12 ins. in the ground for cor. of secs. 6 and 7 marked with 5 notches on S. and 1 notch on N. edges from which
	A pine 30 ins. diam. bears S. 62° E. 58 lks. dist. marked T. 5 N. R. 4 E. S. 7 B. T.
	A pine 10 ins. diam. bears N. 40° 45' E. 1.49 lks. dist. marked T. 5 N. R. 4 E. S. 6 B. T.
	Land mountainous
	Soil gravelly 3rd rate
	Timber aspen and scattering pine on 77.00 chs.
	Mountainous land on 80.00 chs.

	North on W. Bdy. of Sec. 6
	Leave scattering pine and enter aspens
	Descend
4.00	Bottom of gully drains N. 80° E.
	Ascend
7.00	Top of spur slopes E.
	Descend
15.00	Head of Right-hand Fork of Pine Canon - no water drains S. E.
22.00	Leave scrub-aspens
40.00	Set a boulder 16 x 12 x 5 ins. 11 ins. in the ground for 1/4 sec. cor. on W. Bdy. of Sec. 6 marked 1/4 on E. face and raised a mound of stone 2 ft. base

West Boundary T. 5 N. R. 4 E.

Chains	
	1½ ft. high E. of corner
	Pits impracticable
42.00	Enter heavy aspen timber
	Ascend gradually
65.00	Ascend gradually through heavy aspen timber
80.00	Set temporary corner for Tps. 5 and 6 N. Rs. 3 and 4 E.
	Note:- Temporary corner was afterward established at this point as permanent corner for description of which see notes of N. Bdy. of this Tp.
	Land mountainous
	Soil gravelly 3rd rate
	Timber aspen on 38.00 chs.
	Mountainous land on 80.00 chs.
	Sept. 4-1899. At this corner we set off 7° 04' N. on the decl. arc and at 12h 00m M. T. we observe the sun on the meridian, the resulting lat. is 41° 12' N.

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PAGE

North Boundary T. 5 N. R. 4 E.

Chains

Sept. 4-1899 At 2 hr. m. P.M. l.m.t. we set off 41° 12' N. on the lat. arc, 7° 03' N. on the decl. arc and determine a true meridian with the solar at the cor. of Tps. 5 and 6 N. Rs. 4 and 5 E. heretofore described

Thence we run

West on a random line along the N. Bdy. of Tp. 5 N. R. 4 E. setting temp. 1/4 sec. and sec. cors. at intervals of 40.00 chs. and at 459.90 chs. intersect N. and S. line 67 lks. N. of temporary corner of Tps. 5 and 6 N. Rs. 3 and 4 E. previously set. We then establish temporary corner as a permanent corner as follows:-

Set a boulder 18x12x12 ins. 12 ins. in the ground marked with 6 notches on N. S. E. & W. edges 6 N. on N. E. 4 E. on S. E. 5 N. on S. W. 3 E. on N. W. faces from which

An aspen tree 6" diam. bears S. 65° E. 58 lks. dist. marked T. 5 N. R. 4 E. S. 6 B. T.

An aspen tree 8" diam. bears S. 47° W. 55 lks dist. marked T. 5 N. R. 3 E. S. 1 B. T.

An aspen tree 5" diam. bears N. 49° 30' W. 63 lks. dist. marked T. 6 N. R. 3 E. S. 36 B. T.

An aspen tree 7" diam. bears N. 40° 15' E. 127 lks. dist. marked T. 6 N. R. 4 E. S. 31 B. T.

Sept. 5th 1899 at 8h 0m A.M. l.m.t. we set off 41° 12' N. on the lat. arc 6° 46' N. on the decl. arc and determine a true meridian at the cor. of Tps. 5 and 6 N. Rs. 3 and 4 E. above described

Thence we run

N. 89° 55' E. bet. secs. 6 and 31

3.90 Leave timber

9.90 Enter timber

Descend gradually

19.90 Set a boulder 14x8x5 ins. 9 ins. in the ground l 1/4 sec. cor. marked 1/4 on N. face which

A l u 10" diam. bears S. 23° 30' E. 62 lks.

North Boundary, T. 5 N. R. 4 E.

Chains	dist. marked 1/4 S. 6 B.T.
	To Pine 10" diam. bears N. 29° E. 62 lks. dist.
	marked 1/4 S. 31 B.T.
	Leave scattering pine and fallen timber
20.90	Top of steep ascent
	Descend through thick aspens.
39.90	Set a boulder 16 x 8 x 6 ins. 11 ins. in the ground
	for cor. of secs. 5-6-31 and 32 marked with 5
	notches on E. and 1 notch on N. edges from
	which
	On aspen 9" diam. bears N. 25° E. 19 lks. dist.
	marked T. 6 N. R. 4 E. S. 32 B.T.
	On aspen 8" diam. bears N. 17° W. 49 lks. dist.
	marked T. 6 N. R. 4 E. S. 31 B.T.
	On aspen 4" diam. bears S. 11° E. 60 lks. dist.
	marked T. 5 N. R. 4 E. S. 5 B.T.
	On aspen 6" diam. bears S. 37° W. 65 lks. dist.
	marked T. 5 N. R. 4 E. S. 6 B.T.
	Land mountainous
	Soil gravelly 3rd rate
	Timber aspen 50.00 chs.
	Mountainous land on 59.90 chs.

N. 89° 55' E. bet. secs. 5 and 32

	Descend
10.00	Bottom of ravine drains S. E.
	Having branch 3 lks. wide drains S. E.
18.00	Leave scattering aspens
	Ascend
20.00	Top of ridge bears N. W.
	Descend
26.00	Head of draw drains S. E.
	Ascend
40.00	Top of steep slope S. E.
	Set a boulder 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 stone 2 ft.
	base 1/2 ft. high N. of corner.
	Pits inaccessible
67.00	Top of steep ascent

North Boundary T. 5 N. R. 4 E.

Chains	
	Descend abruptly
72.00	Dry wash in bottom
73.00	Bottom of Left Fork of Guilder Sleeve Cañon drains S. 30° E.
	Ascend
80.00	Set a boulder 14 x 8 x 6 ins. 9 ins. in the ground for cor. of secs. 4-5-32 and 33 marked with 4 notches on E. and 2 notches on W. edges and raised a mound of stone 2 ft. base 1½ ft. high W. of corner
	Pits impracticable.
	Land mountainous
	Soil gravelly 3rd rate
	Timber aspens 8 chs.
	Mountainous land 80.00 chs.

N. 80° 55' E. bet. secs. 4 and 33

	Ascend
12.00	Top of spur projects S.
	Descend
19.00	Head of draw drains S.E.
22.00	Top of spur slopes S.
	Descend abruptly
30.00	Wagon road bears S.
32.00	Bottom of Right Fork of Guilder Sleeve Cañon drains S 15° W.
	Enter aspens
38.00	Leave aspens
40.00	Set a boulder 14 x 10 x 6 ins. 9 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 corner
	Pits impracticable
	Ascend abruptly
42.00	End of spur. Ascend abruptly on spur
62.00	Ascend along top of spur projects W.
	Descend
	Enter aspens
65.00	Bottom of gully drains S.W.
	Leave scrub aspens. Ascend

North Boundary, T. 5 N. R. 4 E.

Chains	
75.00	Top of stair projects S. W.
76.00	Head of draw drains S.
	Ascend
80.00	Set a boulder 16 x 8 x 5 ins. 11 ins. in the ground for cor. of 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 W. of corner. Pits impracticable.
	Land mountainous
	Soil rocky, 3rd and 4th rate
	Timber scrub oak on 9 chs.
	Mountainous land on 80.00 chs.
	Decl. 5-1890. At this corner we set off 6° 42' W. on the decl. arc and at 12h. 00m. Sto. l. m. t. observe the sun on the meridian, the resulting lat. is 41° 12' N.

N. 89° 55' E. bet. Secs. 3 and 34

2.00	Top of stair projects S. W. Descend
	Enter aspens
5.00	Bottom of draw drains S. W.
15.00	Spring 1.00 ch. N.
30.00	Leave aspens. Ascend
35.00	Top of divide between Hell Canon and Spring Creek Canon bears N. and S.
40.00	Set a boulder 15 x 9 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 1½ ft. high N. of corner. Pits impracticable
	Descend through scrub aspens
48.00	Top of stair projects S. E. Descend
60.00	Leave aspens and enter pine timber. Descend
75.00	Leave pine timber
	Bottom of gully drains S. 80° E. Ascend gradually
80.00	Set a boulder 16 x 10 x 6 ins. 11 ins. in the ground for corner of 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 W. of corner. Pits impracticable
	Land mountainous

North Boundary T. 5 N. R. 4 E.

Chains	
	Soil gravelly, 3rd and 4th rate Timber aspen 48.00 chs., pine 15.00 chs. Mountainous land and dense undergrowth 80.00 chs.
	N. 89° 55' E. bet. Secs. 2 and 35 Descend Enter pine
8.00	Bottom of gully drains N. 75° E. Ascend Thence along N. slope of ridge
30.00	Top of ascent; leave scattering pine Descend
35.00	Bottom of draw drains N. Ascend through aspens
38.00	Leave aspens. Ascend
40.00	Set a boulder 14 x 10 x 8 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
41.00	Enter scrub aspens
46.00	Leave aspens
48.00	Top of ridge bears E. and W.
60.00	Head of draw drains S. E. Ascend
68.00	Top of spur slopes S. 80° E.
73.00	Enter scrub aspens Descend through dense scrub aspens
80.00	Set a sandstone 16 x 8 x 5 ins. 11 ins. in the ground for cor. of secs. 1-2-35 and 36 marked with 1 notch on E. and 5 notches on W. edges, from which An aspen 4" diam. bears S. 65° E. 82 lks. dist. marked T. 5 N. R. 4 E. S. 1 B. T. An aspen 4" diam. bears S. 76° W. 33 lks. dist. marked T. 5 N. R. 4 E. S. 2 B. T. An aspen 4" diam. bears N. 50° 30' W. 13 lks. dist. marked T. 6 N. R. 4 E. S. 35 B. T. An 3" diam. bears N. 33° 30' E. 35 lks.

North Boundary T. 5 N. R. 4 E.

Chains.	
	dist. marked T. 6 N. R. 4 E. S. 36 B. T.
	Land mountainous
	Soil gravelly 3rd and 4th rate
	Timber aspen 15.00 chs. Pine on 30.00 chs.
	Mountainous land and dense undergrowth on 80.00 chs.
	N. 89° 55' E. bet. Secs. 1 and 36
	Leave dense aspen and willows
15.00	Top of steep ascent
	Descend through underbrush
30.00	Bottom of Hell Canon
	Creek 8 lks. wide drains S.
	Ascend
40.00	Set a boulder 14 x 8 x 6 ins. 9 ins. in the ground for 1/4 sec. corner marked 1/4 on N. face and raised a mound of stone 2 ft. base 1 1/2 ft. high N. of corner.
	Pits impracticable
	Ascend
58.00	Top of ridge bears N. E. and S. W.
	Descend
74.00	Bottom of ravine drains S. W.
	Ascend
80.00	Intersect E. Bdy. of Tp. at corner for Tps. 5 and 6 N. Rs. 4 and 5 E. set by us and heretofore described
	Land mountainous
	Soil gravelly 3rd and 4th rate
	do timber
	Mountainous land and dense undergrowth on 80.00 chs.
	Sept. 5-1899.

Latitudes, Departures and Closing Errors

Line Designated	True Bearing	Dist	Latitudes N	Latitudes S	Departures E	Departures W
		chs	chs	chs	chs	chs
1st Stand Parallel N	N89 48W	79.76	.27			79.76
" " " "	N89 55W	319.07	.45			319.07
" " " "	N89 52W	60.88	.14			60.88
W Bdy T5N-R4E	North	480.00	480.00			
N Bdy T5N-R4E	N89 55E	459.90	.67		459.90	
1st G Meridian E	South	480.00		480.00		
Convergency					.63	
			481.53	480.00	460.53	459.71
			480.00		459.71	
Error in Lat			1.53	Error in Dep	0.82	

For general description see Subdivisions of this Tp.

Frank E. Barter
David H Blossom
U.S. Dep. Surveyors

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PAGE

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by ..... , United States Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the survey of .....

showing the respective capacities in which they acted:

....., *Chainman.*

....., *Chainman.*

....., *Moundman.*

....., *Moundman.*

....., *Axman.*

....., *Axman.*

....., *Flagman.*

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted ..... , United States Deputy Surveyor, in surveying all those parts or portions of the ..... of the ..... meridian, of ..... , which are represented in the foregoing field notes as having been surveyed by him and under his direction; and that said survey has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the corner monuments established, according to the instructions furnished by the United States Surveyor General for

..... , *Chainman.*

..... , *Chainman.*

..... , *Moundman.*

..... , *Moundman.*

..... , *Axman.*

..... , *Axman.*

..... , *Flagman.*

.....

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

SEAL

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Pages 294 and 295 are blank.

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, ..., United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from ..... United States Surveyor General for ....., bearing date of the ..... day of ....., 189 , I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for ....., the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of .....

.....

.....

.....

..... of the .....

..... meridian, in the ..... of ....., which are represented in the foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for ..... and in the specific manner described in the field notes, and that the foregoing are the original 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.

.....

United States Deputy Surveyor.

Subscribed by said ....., and sworn to before me this ..... day of ....., 189

SEAL

.....

.....

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, October 8th 1900, 189

The foregoing field notes of the survey of The West & South Boundaries of Township 3 South Range 4 East of the Salt Lake Base and Meridian Utah

executed by Frank E. Baxter & David H. Blossom under ~~his~~ the contract No. 223, dated January 1st, 189 7, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Jacob R. Bell

United States 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.

.....

United States Surveyor General.

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BOOK A-261

FIELD NOTES

OF THE SURVEY OF THE

Subdivisions of

T5N-R4E

and

Private Land Claims

Of the Salt Lake Base and Meridian,

Utah

AS SURVEYED BY

Frank E. Baxter and David H. Blossom, United States Deputy Surveyors

Under ~~his~~ their Contract No. 223, dated January 21st, 1899

Survey commenced September 6th, 1899

Survey completed September 13th, 1899

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		M. Chs. Lks.	
Subs.	high	58-49-60	✓
"	low	9-80	✓
"	Closing	4-91	✓
		"	✓
Private Land Claims	L.L. Tome high	1-49-22	✓
" " "	do low	1-27-19	✓
" " "	C.J. do high	2-14-37	✓
" " "	" " low	9-75	✓
" " "	W.H. do high	2.36-83	✓
" " "	" " low	7-80	✓

58-19.40

NAMES AND DUTIES OF ASSISTANTS.

J. W. Chase	Chainman
J. W. Dougall	Chainman
Dorsey Herr	Chainman
Austin Roylance	Chainman
Joseph Bagley	Moundman
Leonard Diamond	Moundman
Leonard Diamond	Axman
Thos S Roylance	Axman
Harry Rager	Flagman
Chas C Friel	Flagman

See preliminary affidavits see book "C"

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BOOK A-261

INDEX DIAGRAM.

Township....., *Range*.....

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.....

Subdivisions of T. 5 N. R. 4 E.

Chains.	
	Survey commenced September 6-1899 and executed with two W. and L. E. Gurley light mountain transits - no numbers - each with solar attachment for a full description of which see Book No 14.
	For complete test of solar apparatus see notes of exteriors of this Tp. Book No 14
	September 6-1899 At 8 h. 00 m. A. M. l. m. t we set off 41° 0' W on the lat. arc 6° 24' W. on the decl. arc. and determine a true meridian with the solar at the cor. of secs. 35 and 36 on the S. Bdy. of the Tp. heretofore described Thence we run
	N. 0° 01' W. bet. Secs. 35 and 36
0.10	Bottom of gulch drains S. W.
	Ascend Abruptly
13.87	Top of ridge bears N. 85° W. S. 85° E.
	Descend
40.00	Set a sandstone 13 x 12 x 10 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
	Descend heavy W. slope
69.87	Top of abrupt descent
	Descend abruptly over mountainous land through scattering oak and service berry
72.87	Bottom of gulch drains N. 15° W.
80.00	Set a sandstone 14 x 10 x 6 ins, 10 ins in the ground for cor. of secs. 25-26-35 and 36 marked with 1 notch on S. and 1 notch on E. edges and raised a mound of stone 2 ft. base 1 1/2 ft. high W. of corner. Pits impracticable
	Land mountainous

Subdivisions of T. 5 N. R. 4 E.

Chains.	
	Soil rocky and gravelly 4th rate
	No timber
	Mountainous land and dense under-growth on 80.00 chs.
	S. 89° 48' E. on a random line Bet. secs. 25 and 36
40.00	Set temp. 1/4 sec. cor.
80.00	Intersect E. Bdy. of Tp. 21 lks. S of corner of Secs. 25-30-31 and 36 previously described
	Thence we run West on a true line Bet. Secs. 25 and 36
	Over mountainous land.
	Through oak, service berry and sage brush
5.00	Top of spur projects N. 10° W.
	Descend
8.00	Enter scrub aspens and thick underbrush
22.00	Head of draw drains N. 15° E.
	Ascend gently
	Leave aspen and willows
34.00	Top of ridge bears N. W. and S. E.
	Descend
40.00	Set a sandstone 18 x 12 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 corner
	Pits impracticable
	Thence continue descending along S. slope of spur
45.00	Point of spur projects S. 15° W.
	Descend abruptly
70.00	Bottom of gulch drains S. W.
	Descend among big rocks and broken ledges
80.00	The cor. of secs. 25-26-35 and 36
	Land mountainous
	Soil rocky and stony 4th rate
	No timber
	Mountainous land and dense under-growth on 80.00 chs.

Subdivisions of T. 5 N. R. 4 E.

Chains	
	N. 0° 1' W. bet. Secs. 25 and 26
	Over rough mountainous land
	Through scattering oak service berry and sage brush
	Ascend abruptly over rocks
10.00	Point of spur projects W.
	Descend over rocks on N.W. slope
40.00	Set a sandstone 16x12x10 ins. 11 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 corner
	Pits impracticable
42.00	Bottom of small gulch drains W.
	Continue descent
47.00	Point of spur projects S.W.
	Descend
59.00	Bottom Lost Creek Cañon
	Thence along bottom of canon
60.00	Creek 20 lks. wide 1 ft. deep runs S.W.
62.00	Leave bottom of canon
	Ascending gradually
72.00	Wire fence bears N.E. and S.W.
73.00	Wagon road bears N.E. & S.W.
77.00	Wire fence bears N.E. & S.W.
80.00	Set a sandstone 14x12x4 ins. 9 ins. in the ground for corner of 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 corner
	Pits impracticable
	Land mountainous
	Soil rocky and gravelly 3rd and 4th rate
	No timber
	Mountainous land and dense under-growth on 80.00 chs.
	Sept. 6-1899 At this cor. we set off 6° 20' W on the decl. arc, and at 12h. 02m. P.M. observe the sun on the meridian, the lat. is 41° 0' N.

Subdivisions of T. 5 N. R. 4 E.

Chains	East on a random line Bet. secs. 24 and 25
40.00	Set temp. 1/4 sec. cor.
79.73	Intersect E. Bdy. of Tp. 16 lks. N. of cor. of secs. 19-24-25 and 30 heretofore described the same being identical with the S.E. Cor. of Chas. J. Toone's private land claim
	Thence we run N. 89° 53' W. on a true line Bet. secs. 24 and 25
	Over mountainous land. Descending
15.64	Intersect 2nd mile cor. of Chas. J. Toone's private land claim
33.76	Enter bottom of Toone Canon
	Wagon road bears N. 30° W. and S. 30° E.
33.96	Wire fence bears N. 30° W. and S. 30° E.
34.50	Creek 4 lks. wide drains N. W.
39.76	Intersect beginning cor. of Chas. J. Toone's private land claim
39.86	Set a boulder 13 x 6 x 6 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
	From this cor. Chas. J. Toone's house bears N. 36° 15' W.
	Corral bears North 2.50 chs. dist.
43.00	Ascend gently
47.00	Wire fence bears N. E. and S. W.
48.00	Top of small spur projects N. E.
	Descend
55.90	Wagon road bears N. 60° E. and S. 60° W.
56.60	Fence bears same. Enter field
66.40	Center of Lost Creek 50 lks. wide 1 ft. deep drains S. W. Ascend. Leave field
70.76	Intersect S. W. Cor. of Chas. J. Toone's private land claim
79.73	The cor. of secs. 23-24-25 and 26
	Land mountainous

Subdivisions of T. 5 N. R. 4 E.

Chains	Soil loam and gravelly 1st and 3rd rates No timber Mountainous land on bv. 93 chs.
	Thence we run N. 0° 01' W. bet. secs. 23 and 24 Over mountainous land Through scattering service berry and sagebrush Ascend
27.00	Top of spur projects S. Descend along steep E. slope
27.54	W. H. Toonis house bears N. 75° 45' E. Chas. Toonis house bears S. 63° 30' E.
40.00	Set a sandstone 14 x 10 x 3 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 1 1/2 ft. high W. of cor. Pits impracticable
64.50	Bottom of ravine drains S. E.
	Enter thick choke cherry brush
65.50	Spring branch 3 lks. wide 2" deep drains S. E.
66.50	Leave bottom and thick brush Enter oak-service berry and sagebrush Ascend abruptly among large rocks
80.00	Set a sandstone 16 x 10 x 4 ins. 11 ins. in the ground for corner of 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 1/2 ft. high W. of cor. Pits impracticable Corner located top of abrupt ascent

Subdivisions of T. 5 N. R. 4 E.

Chains. Land mountainous
Soil rocky 4th rate
No timber
Mountainous land and dense undergrowth on 80.00 chs.

S. 89° 53' E. on a random line
Bet. secs. 13 and 24

40.00 Set temp. 1/4 sec. cor.
79.70 Intersect E. Bdy. of Tp. 18 lks. N. of corner of secs. 13-18-19 and 24 heretofore described
Thence we run N. 89° 45' W. on a true line
Bet. secs. 13 and 24
Descend abruptly
12.70 Bottom of Little Pine Canon drains S. 28° E.
29.70 Top of abrupt ascent
Through service berry and sage brush
Enter scrub aspen
39.85 Set a sandstone 13 x 10 x 8 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 corner
Pits impracticable
Corner located on E. slope in edge of scrub aspens.
Ascend
Through dense underbrush, scrub aspen bark and choke cherry
47.70 Top of ridge bears N. 25° W. and S. 25° E.
Descend abruptly
69.70 Head of gulch drains S. W.
Ascend
Over mountainous land
Through service berry and sage brush
79.70 The cor. of secs. 13-14-23 and 24
Land mountainous

Subdivisions of T. 5 N. R. 4 E.

Chains Soil gravelly 3rd rate
do. timber
Mountainous land and dense under growth on 79.70 chs.

N. 0° 01' W. bet. secs. 13 and 14
Over mountainous land
Through oak, service berry and sage brush
Ascend
6.00 Top of flat spur projects S. W.
Commence rapid descent
20.00 Bottom of gulch, drains S. W.
Ascend abruptly
32.00 Top of spur projects S. W.
Descend gently
40.00 Set a sandstone 14 x 11 x 4 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 1 1/2 ft. high W. of cor.
Pits impracticable
Corner located near bottom of draw
42.00 Head of draw drains S. W.
Ascend
45.00 Patch of willows and scrub aspens 2.00 chs. through
Spring 75 lks. E. of line
53.00 Top of spur projects S. W.
Ascend gradually
60.00 Head of draw drains S. W.
Ascend
72.00 Top of ridge bears N. W. and S. E.
Descend in thick brush
80.00 Set a cobble stone 13 x 10 x 6 ins. 9 ins. in the ground for corner of secs. 11-12 13 and 14 marked with 4 notches on the S. and 1 notch on E. edges and raised a mound of stone 2 ft. base 1 1/2 hi W. corner

Subdivisions of T. 5 N. R. 4 E.

Chains	
	Pits impracticable Corner located near head of ravine Land mountainous Soil stony 4th rate No timber Mountainous land and dense under-growth 80.00 chs.
	S. 89° 45' E. on a random line Bet. secs. 12 and 13
40.00	Set temp. 1/4 sec. cor.
79.75	Intersect E. Bdy. of Tp. 18 lks. S. of corner of secs. 7-12-13 and 18 heretofore described
	Thence we run N. 89° 53' W. on a true line Bet. secs. 12 and 13
	Ascend
24.70	Point of spur projects N. E.
	Through sage and service berry brush
29.70	Enter scrub aspens and willows, thick underbrush
	Descend
39.20	Head of gulch drains N. E.
39.87	In head of gulch Set a sandstone 16 x 10 x 6 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. Among thick brush Pits impracticable
41.70	Leave scrub aspens and thick willows
	Ascend rapidly
51.70	Top of ridge bears N. W. and S. E.
	Descend steep W. slope.

Subdivisions of T. 5 N. R. 4 E.

Chains	
59.70	Head of Draw drains S. W.
	Ascend gently
65.70	Point of spur projects S. E.
	Descend
	Through scattering service berry and sage brush
72.70	Bottom of ravine drains S. E.
	Ascend over mountainous land
	Through dense underbrush, scrub aspens, service berry and maple
79.75	The cor. of secs. 11-12-13 and 14
	Land mountainous
	Soil stony and gravelly 3rd and 4th rate
	No timber
	Dense undergrowth 79.75 chs.

N. 0° 1' W. bet. Secs. 11 and 12

	Over mountainous land
	Through scattering oak, service berry and sagebrush
16.00	Top of ridge bears S. E. and N. W. and junction where a ridge from S. joins at this point
	Descend
17.00	Enter thick brush, scrub aspen and maple.
20.00	Head of Draw drains N. 20° E.
	Leave scrub aspens and maples.
27.00	Top of spur projects E.
	Enter thick brush of willow and choke cherry
40.00	Enter aspen bears E. and W.
	Leave willows
	Set cobble stone 14 x 6 x 8 ins. 9 ins. in the ground for 1/4 sec. corner marked 1/4 on W. face from which
	An aspen tree 4" diam. bears N. 43° 30' E 12 lks. dist. marked 1/4 S. 12 B. T.

Subdivisions of T. 5 N. R. 4 E.

Chains	
	An aspen tree 3 ins. diam. bears N. 10° W. 20 lks. dist. marked 1/4 S. 11 B. T.
49.00	Leave aspens.
54.00	Bottom of Draw drains E.
	Leave thick brush
	Ascend
	Enter oak and sage brush
75.00	Top of ridge bears N. E. and S. W.
	Descend
	Enter aspen and thick patches of willows
80.00	Set a cobble stone 14 x 6 x 4 ins. 9 ins. in the ground for corner to Secs. 1-2-11 and 12 marked 5 notches on S. and 1 on E. edges, from which
	An aspen tree 4 ins. diam. bears N. 45° 30' E. 12 lks. dist. marked T. 5 N. R. 4 E. S. 1 B. T.
	An aspen tree 3" diam bears S. 32° E. 18 lks. dist. marked T. 5 N. R. 4 E. S. 12 B. T.
	An aspen tree 4" diam. bears S. 32° W. 23 lks. dist. marked T. 5 N. R. 4 E. S. 11 B. T.
	An aspen tree 4" diam. bears N. 63° W. 28 lks. dist. marked T. 5 N. R. 4 E. S. 2 B. T.
	Land mountainous
	Soil gravelly and loam 2nd and 3rd rate
	Timber aspen 14 chs.
	Mountainous land and dense undergrowth 80.00 chs.

Subdivisions of T. 5 N. R. 4 E.

Chains. S. 89° 53' E. on a random line
Bet. Secs. 1 and 12

40.00 Set temp. 1/4 sec. cor.

79.87 Intersect E. Bdy. of Tp. 5 lks. N of cor. of secs. 1-6-7 and 12 previously described
Thence we run
N. 89° 51' W. on a true line
Bet. Secs. 1 and 12

16.87 Top of ledges
Descend abruptly in slanting ledges

19.87 Bottom Hell Canon.
Creek 10 lks. wide 5" deep runs S. 30° E.

20.87 Perpendicular cliff 50 ft. high
Enter aspens

33.87 Bottom small gulch drains S. W.

39.94 Set a sandstone 16 x 10 x 4 ins. 11 ins. in the ground for 1/4 Sec. corner marked 1/4 on N. face from which
An aspen tree 4" diam. bears S. 10° E. 21 lks. dist. marked 1/4 S. 12 B. T.
An aspen tree 3" diam. bears N. 45° E. 10 lks. dist. marked 1/4 S. 1 B. T.

44.87 Leave aspen timber bears E & W.
Ascend

63.87 Top of spur projects N. 20° E.

69.87 Enter aspen timber bears N. & S.
Descend

71.87 Bottom of gulch drains N. 20° E.
Leave aspens.

73.87 Enter patches of willows
Ascend

77.87 Enter aspen and willows
Through dense underbrush
Over mountainous land

79.87 The cor. of Secs. 1-2-11 and 12
Land mountainous
Soil gravelly 3rd and 4th rate
Timber aspen
Mountainous land and dense under-

.8 chs.

Subdivisions of T. 5 N. R. 4 E.

Chains.	
	Thence we run N. 0° 01' W. on a random line Bet. Secs. 1 and 2
40.00	Set temp. 1/4 sec. cor.
79.69	Intersect N. Bdy. of Tp. 11 lks. East of corner of Secs. 1-2-35 and 36 previously described
	Thence we run S. 0° 06' E. on a true line Bet. Secs. 1 and 2
	In aspen and dense underbrush
	Ascend
4.69	Top of spur projects E.
7.69	Bottom of ravine drains S. 80° E.
	Ascend
	Through thick aspen and underbrush
24.69	Top of ridge bears N. 75° W. and S. 75° E.
	Descend
34.69	Bottom of ravine drains S. 75° E.
	Spring branch 1 lk. wide drains same
	Ascend
39.69	Set a sandstone 12 x 8 x 6 ins. 8 ins. in the ground for 1/4 sec. cor. marked 1/4 on N. face from which
	An aspen tree 4 ins. diam. bears N. 12° 45' W. 14 lks. dist. marked 1/4 S. 2 B. T.
	An aspen tree 3" diam. bears S. 54° E. 17 lks. dist. marked 1/4 S. 1 B. T.
	Ascend Leave aspens
42.69	Top of spur slopes E.
	Descend through aspens.
45.69	Head of gully drains East
	Ascend through scrub aspen
51.69	Top of spur slopes East.
	Descend
	Enter timber
61.69	Bottom of ravine drains E.
	Spring branch 3 lks. wide drains E.
	Ascend

Subdivisions of T. 5 N. R. 4 E.

Chains	
	Through thick aspen and underbrush
79.69	The cor. of secs. 1-2-11 and 12
	Land mountainous
	Soil gravelly 3rd rate
	Timber scrub aspen on 72.00 chs.
	Mountainous land on 79.69 chs.
	Sept. 6-1899.
	From corner of secs. 34 and 35 on S. Bdy. of Tp. we run
	N. 0° 02' W. bet. secs. 34 and 35
	Ascend abruptly
	Through cedars
16.00	Top of high ridge bears E. and W.
	Descend
40.00	Set a sandstone 16 x 5 x 4 ins. 11 ins. in the ground for 1/4 sec. cor. marked 1/4 on W. face, raised a mound of stone 2 ft. base 1 1/2 ft. high W. of corner
	Pits impracticable
49.64	Enter Lost Creek Cañon
49.70	Center of Lost Creek 20 lks. wide drains W. also irrigation dam
50.67	Intersect S. E. corner of L. L. Doonis private land claim
51.60	South side of field
53.00	Leave same
58.00	Enter lucern field claimed by Ben Doone
62.20	Irrigation ditch 10 lks. wide drains N. 80° W.
62.67	Intersect N. E. Cor. of L. L. Doonis private land claim
63.06	Wire fence bears N. 80° W. and S. 80° E.
	Leave field
63.25	Wagon road bears N. 80° W. and S. 80° E.
	Ascend through sagebrush and rocks
80.00	The point for sec. corner falls on large rock in place 4 x 4 x 5 ft. above ground on which we cut a cross (X) at the exact corner sunk cor. secs. 26-

Subdivisions of T. 5 N. R. 4 E.

Chains. 27-34 and 35 marked with 2 grooves on E. and 1 groove on S. sides and raised a mound of stone 2 ft. base 1½ ft. high W. of corner.
Pits impracticable
Land mountainous
Soil gravel and loam 2nd and 3rd rate
No timber.
Mountainous land on 80.00 chs.

S. 89° 55' E. on a random line
Bet. Secs. 26 and 35

40.00 Set temp. 1/4 sec. corner
79.50 Intersect N. and S. line 27 lks. S. of corner of secs. 25-26-35 and 36
Thence we run
S. 89° 53' W. on a true line
Bet. secs. 26 and 35
Descend abruptly
11.00 Mouth of gulch drains N. W.
34.50 Lost Creek 25 lks. wide drains S. W.
39.75 Set a boulder 14x6x6 ins. 9 ins. in the ground for 1/4 sec. cor. marked 1/4 on N. face, raised mound of stone 2 ft. base 1½ ft. high N. of corner from which N. E. Cor. Geo. Wild's house bears S. 40° 50' E. 5.08 chs. dist.
Granary and corrals bear S. 19° 30' W. 6.80 chs. dist.
44.25 Fence bears N. E. and S. W.
44.50 Wagon road bears N. E. and S. W.
44.95 Wire fence bears N. E. and S. W.
46.85 Wire fence bears N. W. and S. E.
51.25 Bottom of Guilder Sleeve Cañon drains South; no water
51.75 Wagon road bears N. and S.
Ascend over rough S. slope
79.50 The corner of secs. 26-27-34 and 35
Land mountainous
Soil gravelly and rocky 2nd and 3rd rate

Subdivisions of T. 5 N. R. 4 E.

Chains.	
	No timber Mountainous land on 79.50 chs.
	N. 0° 02' W. bet. Secs. 26 and 27 Ascend abruptly over large rocks
8.00	Ben Jones dip corral bears S. 25° 45' E.
10.50	Top of ridge bears N. 75° W. and S. 75° E.
	Descend abruptly
35.00	Enter Gilder Sleeve Canon drains S. E.
	No water in bottom
37.20	Wagon road bears N. W. and S. E.
37.64	Irrigation ditch 4 lks. wide bears N. W. and S. E.
	Ascend abruptly
40.00	Set a sandstone 18 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 1 1/2 ft. high W. of corner
	Pits impracticable
54.00	Top of bench bears N. W. and S. E.
60.00	Ascend
77.50	Top of ridge bears N. E. and S. W.
	Descend gradually
80.00	Set a sandstone 28 x 10 x 9 ins. 15 ins. in the ground for cor. of secs. 22-23-26 and 27 marked with 2 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 corner
	Pits impracticable
	Land mountainous
	Soil rocky 3rd and 4th rate
	No timber
	Mountainous land on 80.00 chs.
	N. 89° 53' E. on a random line Bet. secs. 23 and 26
40.00	Set temp. 1/4 sec. cor.
79.59	Intersect N. and S. line 9 lks. S. cor.

Subdivisions of T. 5 N. R. 4 E.

Chains	
	secs. 23-24-25 and 26
	Thence we run
	S. 89° 49' W. on a true line
	Bet. secs. 23 and 26
	Ascend gradually
6.59	Wire fence bears S.E. and N.W.
7.59	Top of low spur slopes S. 20° E.
	Descend. John Turner's house bears S. 21° 30' W.
11.59	Bottom of ravine drains S. 20° E.
	Ascend
30.00	Top of peak on spur slopes S. 30° E.
	Descend. John Turner's house bears S. 17° 30' E.
39.79	Set a sandstone 16 x 10 x 5 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 corner.
	Pits impracticable.
44.89	Bottom of ravine drains S. 32° E.
	Ascend
65.25	Top of ridge bears S. 30° E. and N. 30° W.
	Descend
79.59	The corner of secs. 22-23-26 and 27
	Land mountainous
	Soil gravelly and rocky 3rd and 4th rate
	No timber
	Mountainous land on 79.59 chs.
	N. 0° 02' W. bet. Secs. 22 and 23
	Descend over small hillocks
40.00	Set a sandstone 15 x 12 x 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 1 1/2 ft. high W. of cor. Pits impracticable
45.00	Ascend gradually
80.00	Set a sandstone 18 x 3 x 8 ins. 12 ins. in the ground for corner 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 corner
	Pits impracticable
	Land mountainous. Soil gravelly 3rd rate

Subdivisions of T. 5 N. R. 4 E.

Chains	
	No timber. Mountainous land on 80.00 chs.
	Sept. 7. 1899 At. 10^{hr} 00^{min} A. M. l. m. t. we set off 41° 09' N. on lat. arc, 5° 59' N. on decl. arc and determine a true meridian with the solar at the corner of secs. 22. 23. 14 and 15 Thence we run N. 89° 49' E on a random line Bet. Secs. 14 and 23
40.00	Set temp. 1/4 sec. cor.
79.47	Intersect N. and S. line 13 lks. S. of cor. of secs: 13-14-23 and 24 Thence we run S. 89° 43' W. on a true line Bet. Secs. 14 and 23 Descend abruptly
14.47	Bottom of Rock Canon. Spring branch 4 lks. wide 2 ins. deep runs S. E.
39.74	Set a sandstone 14 x 6 x 6 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. Ascend rapidly
40.47	Point of spur projects N. E.
56.47	Bottom of Draw drains N. E.
	Through dense underbrush
67.50	Top of ridge bears N. W. and S. E.
	Over mountainous land Through scattering oak service berries and sage brush
79.47	The cor. of secs. 14-15-22 and 23
	Land mountainous Soil stony 3rd rate No timber Mountainous land and dense undergrowth on 79.47 chs.

Subdivisions of T. 5 N. R. 4 E.

Chains	N. 0° 2' W. bet. Secs. 14 and 15
	Over mountainous land
	Through scattering oak service berry and sage brush
	Ascend abruptly
12.00	Top of spur projects S. W.
20.00	Bottom at head of Draw drains S. W.
26.00	Top of spur projects S. W.
37.00	Bottom at head of Draw drains S. W.
40.00	Set a boulder 12 x 6 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 1 1/2 ft. high W. of cor.
	Pits impracticable
50.96	Top of spur projects S. W.
	Descend rapidly
52.00	Enter scrub aspens, thick underbrush
60.00	Bottom of deep gulch drains N. 80° W.
	Ascend
68.00	Point of spur projects E.
	Descend
73.00	Bottom at head of Draw drains E.
77.00	Point of spur projects E.
	Descend
80.00	Set a sandstone 13 x 7 x 5 ins. 9 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 corner
	Pits impracticable.
	This corner is located on steep E. slope
	Land mountainous
	Soil stony 3rd rate
	No timber
	Mountainous land and dense undergrowth on 80.00 chs.
	Sept. 7-1899. At this cor. we set off 5° 57' N. on the decl. arc. and at 12h 00m M. L. M. T. observe the sun on the meridian; the resulting lat. is 41° 10' N.

Subdivisions of T. 5 N. R. 4 E.

Chains	
	N. 89° 43' E. on a random line Bet. Secs. 11 and 14
40.00	Set temp. 1/4 sec. cor.
79.40	Intersect N. and S. line at the corner of secs. 11-12-13 and 14
	Thence we run S. 89° 43' W. on a true line Bet. Secs. 11 and 14
	Through maple willows and larl
	Ascend
5.40	Top of ridge bears N.W. and S.E.
	Descend steep W. slope
22.40	Bottom of ravine drains S.W.
	Junction 15 chs. S.W. Ascend
27.40	Point of spur projects S. 75° W.
	Descend
34.40	Bottom of ravine drains S. 15° W.
39.70	Set a boulder 14x10x8 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. Ascend rapidly
46.40	Top of spur projects S. 10° W.
	Descend
50.40	Head of Draw drains S.W.
	Ascend slightly
56.40	Top of spur projects S.W. Descend
59.40	Bottom of draw drains S.W.
	Ascend slightly
62.40	Point of spur projects S.W.
	Descend steep W. slope
72.40	Bottom of Rock Cañon drains S.E.
	Ascend rapidly
	Through oak and scattering sage brush
	Over mountainous land
79.40	The cor. of Secs. 10-11-14 and 15
	Land mountainous
	Soil stony 3rd rate
	No timber
	Mountainous land and dense under

Subdivisions of T. 5 N. R. 4 E.

Chains	
	growth 79.40 chs.
	North 0° 2' W. bet. Secs. 10 and 11 Over mountainous land Through thick oak brush along E. slope Ascending
30.00	Bottom of Rock Cañon drains S. 20° E. Ascent steeper on E. slope Leave thick brush Enter sage and scattering service berries
40.00	Set a boulder 14 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 1 1/2 ft. high W. of cor. Pits impracticable
52.00	Point of spur projects S. W.
76.00	Bottom of small draw drains S. W.
80.00	Set a boulder 16 x 12 x 6 ins. 11 ins. in ground for corner to Secs. 2-3-10 and 11 marked with 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 corner Pits impracticable Land mountainous Soil stony 3rd rate No timber Mountainous land and dense undergrowth on 80.00 chs.
	N. 89° 43' E. on a random line Bet. Secs. 2 and 11
40.00	Set temp. 1/4 sec. cor.
79.45	Intersect N. and S. line 5 lks. N. of cor. of secs. 1-2-11 and 12 Thence we run

Subdivisions of T. 5 N. R. 4 E.

Chains	S. 89° 45' W. on a true line Bet. Secs. 2 and 11
	Ascend gently
19.45	Point of Spur projects N.
39.72	Set a boulder 15 x 12 x 9 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. from which
	An aspen tree 6" diam. bears S. 69° E. 10 lks. distant marked 1/4 S. 11 B. T.
	An aspen tree 5" diam. bears N. 68° W 9 lks. distant marked 1/4 S. 2. B. T.
	This corner located in small bunch of aspens.
47.45	Enter pine timber bears N. & S.
	Through scattering pine timber
	Descend gradually on N. slope
51.45	Head of Rainne drains N. 80° E.
	Through scrub aspens and thick underbrush
70.45	Leave scrub aspens and underbrush.
	Descend
72.45	Top of ridge bears N. 35° W. and S. 45° E.
	Descend
	Through sage and scattering service berries
79.45	The cor. of secs. 2-3-10 and 11
	Land mountainous
	Soil gravelly and loam 2nd and 3rd rate
	Timber pine on 4.00 chs.
	Mountainous land and dense under-growth 79.45 chs.

Note:- Knowing from previous survey that this line will not intersect the N. Bdy. of T. within the prescribed limits for closing

Subdivisions of T. 5 N. R. 4 E.

Chains	
	Therefore we run N. 0° 02' W. bet. Secs. 2 and 3 on true line
	Over mountainous land
	Through sage and scattering service berry brush
	Ascend
10.00	Top of ridge bears N. 25° W. and S. 25° E.
	Descend along E. slope
	Enter scrub aspens and thick underbrush
14.00	Head of Draw drains E.
	Ascend gradually
20.00	Top of spur projects E.
	Descend
30.00	Enter patches of willow
31.00	Leave willow
38.00	Bottom of Draw drains S.E. Leave aspen. Ascend.
40.00	Set a boulder 16x8x6 ins. 11 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	Top of spur projects E.
	Descend rapidly
46.50	Enter scrub aspen and thick underbrush
65.00	Enter scattering pine timber E. & W.
71.00	Bottom of ravine drains N. 87° E.
	Ascend
75.00	Point of spur projects E.
	Descend
78.00	Bottom of ravine drains S.E. junction 5 chs. S.E.
	Ascend
	Leave pine and aspen and thick brush
80.00	Fall 83 lks. N. 89° 55' E. of cor. of Secs. 2-3-34 and 35 on N. Bdy. of Tp. heretofore described Set a boulder 12x12x10 ins. 8 ins. in the ground for closing corner of secs. 2 and 3 marked C.C. on S. with 2 grooves on E. and 4 grooves on W. faces and raised a mound of stone 2 ft. base 1 1/2 ft. high S. of cor. Pits impracticable
	Land mountainous. Soil 3rd rate

Subdivisions of T. 5 N. R. 4 E.

Chains	
	Timber Pine 13.00 chs.
	Mountainous land and dense undergrowth on 80.00 chs.
	Note:- We destroy all marks on the cor. of secs. 2-3 34 and 35 which pertain to secs. 2 and 3
	Sept. 7th 1899.
	From corner of secs. 33 and 34 on the South Bdy. of Tp. heretofore described we run
	N. 0° 02' W. bet. secs. 33 and 34
	Ascend
5.70	Top of spur slopes E
	Descend
5.76	Lyon & Toone's house bears N. 77° 55' E.
	Barn and corrals bear N. 71° 35' E.
12.00	Bottom of Pine Cañon
	Mouth cañon drains S.E.
17.02	Intersect angle cor. of L. L. Toone's private land claim
18.00	Spring branch, dry in summer, drains S.E.
19.00	Wagon road bears N.W. and S.E.
19.50	Intersect beginning cor. of L. L. Toone's private land claim
22.00	Ascend
34.50	Draw drains S. 20° W.
40.00	Set a sandstone 16 x 12 x 3 ins. 11 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 corner
	Pits impracticable
	Ascend
68.00	Top of ridge bears N. 30° W. and S. 30° E.
	Descend gradually along E. slope of ridge
80.00	Set a boulder 14 x 6 x 4 ins. ins. in

Subdivisions of T. 5 N. R. 4 E.

Chains.	
	the ground for cor. of secs. 27-28-33 and 34 marked with 1 notch on S. and 3 notches on E. edges and raised a mound of stone 2 ft. base 1½ ft. high N. of corner Pits impracticable Land mountainous Soil gravelly 3rd and 4th rates No timber Mountainous land on 80.00 chs.
	S. 89° 55' E. on a random line Bet. secs. 27 and 34
40.00	Set temp 1/4 sec. cor.
79.87	Intersect N. and S. line 23 lks. S. of cor. of secs. 26-27-34 and 35 From a point 82 lks. S. of cor. Ben Toonis house bears S. 29° 45' E. Shed bears S. 31° 45' E. Dip corral bears S. 32° 20' E. Thence we run S. 89° 55' W. on a true line Bet. secs. 27 and 34
4.87	Top of spur slopes S.
11.87	Ravine drains S.
39.94	Set a sandstone 16 x 8 x 6 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 corner Pits impracticable Thence along steep South slope of ridge
49.02	From this point Lyon & Toon's house bears S. 13° 40' W. Barn and corrals bear S. 14° 06' W. Ben Toonis house bears S. 71° 20' E. Shed bears S. 71° 25' E.
63.37	Bottom of ravine drains S.

Subdivisions T. 5 N. R. 4 E.

Chains.	
79.87	The corner of secs. 27-28-33 and 34
	Land mountainous
	Soil rocky 4th rate
	No timber
	Mountainous land on 79.87 chs.
	N. 0° 02' W. bet. Secs. 27 and 28
	Over ascending land
	Along E. slope of ridge
20.00	Hollow drains S.E.
	Ascend
29.00	Top of spur slopes S.E.
	Descend
40.00	Set a conglomerate stone 17 x 11 x 5 ins. 11 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 corner
	Pits impracticable.
	Head of spring hollow drains S.E.
	Ascend
56.00	Top of ridge bears S. 75° E. and N. 75° W.
58.00	Descend through brush
72.50	Hollow drains East
	Ascend
	Leave brush
80.00	Set a conglomerate stone 15 x 10 x 8 ins 10 ins. in the ground for cor. of 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 1 1/2 ft. high W. of corner
	Pits impracticable
	Land mountainous
	Soil gravelly 3rd rate
	No timber
	Mountainous land on 80.00 chs.

Subdivisions of T. 5 N. R. 4 E.

Chains.	
	Sept. 8-1899 at 9h 00m A.M. l.m.t we set off 41° 09' N. on lat. arc, 5° 38' N. on the declination arc and determine a true meridian with the solar at the corner of sections 21 22-27 and 28
	Thence we run
	N. 89° 55' 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 2 lks. S. of cor. of Secs. 22-23-26 and 27
	Thence we run
	S. 89° 54' W. on a true line
	Bet. secs. 22 and 27
	Descend
9.00	Bottom of steep descent
	Descend gradually
39.97	Set a sandstone 16 x 7 x 4 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 corner
	Pits impracticable
43.80	Wagon road bears N.W. + S.E.
51.10	Bottom of Guilder Sleeve Cañon. Creek 7 lks. wide drains S. 20° E.
65.90	Top of high spur projects S. 30° E.
73.00	Bottom of draw drains S.
77.00	Top of spur slopes S.
79.95	Cor. of secs. 21-22-27 and 28
	Land mountainous
	Soil gravelly 3rd rate
	No timber
	Mountainous land on 79.95 chs.

N. 0° 02 W. bet. secs. 21 and 22

	Ascend
11.60	Top of spur projects E.
	Descend
17.00	Enter oak brush

Subdivisions of T. 5 N. R. 4 E.

Chains.	
23.00	Mouth of gulch drains E.
	Ascend abruptly
32.00	Top of spur projects E.
	Descend abruptly
38.00	Leave brush
40.00	Mouth of draw drains E.
	Set a sandstone 18 x 10 x 6 ins. 12 ins. in the ground for 1/4 sec. cor. 1/4 on W. face and raised a mound of stone 2 ft. base 1 1/2 ft. high W. of cor.
	Pits impracticable
48.00	Top of spur slopes E.
55.00	Large draw drains S.E.
	Ascend abruptly
70.00	Top of ridge bears N.W. and S.E.
	Descend abruptly
80.00	Set a conglomerate stone 18 x 12 x 8 ins. 12 ins. in the ground for corner of secs. 15-16-21 and 22 marked 5 N. on N.E. 4 E. on S.E. faces with 3 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 corner.
	Pits impracticable.
	Land mountainous
	Soil gravelly 3rd rate
	No timber
	Mountainous land on 80.00 chs.

N. 89° 54' E. on a random line
Bet. secs. 15 and 22

40.00 Set temp. 1/4 sec. cor.

79.87 Intersect N. and S. line 2 lks. N. of cor. of Secs. 14-15-22 and 23

Thence we run
S. 89° 55' W. on a true line
Bet. secs. 15 and 22

Descend gradually

14.87 Foot of spur

Ascend

Subdivisions of T. 5 N. R. 4 E.

Chains.	
20.87	Top of spur slopes S.W.
24.87	Hollow drains S.W.
33.87	Top of spur slopes S.W.
39.93	Set a boulder 18 x 10 x 6 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 corner. Pits impracticable. Descend.
62.87	Wagon road bears N. and S.
64.87	Bottom of Guilder Sleeve Cañon Creek 6 lks. wide drains S. Ascend along N.E. slope
79.87	The cor. of secs. 15-16-21 and 22 Land mountainous Soil gravelly 3rd-rate No timber Mountainous land on 79.87 chs.

N. 0° 02' W. bet. secs. 15 and 16
Over mountainous land
Through sage and scattering oak brush
Descend

2.00	Enter scrub aspens
4.50	Leave aspens
7.00	Road bears E. and W.
11.00	Mouth of ravine from W. to E.
15.00	Enter scrub aspens bear E. + W.
19.00	Leave scrub aspens
22.50	Wagon road bears N. 15° W. and S. 25° E.
26.00	Bottom of Guilder Sleeve Cañon Creek 4 lks. wide 3" deep runs S. 15° E. Enter cottonwood
40.00	Set a boulder 12 x 10 x 6 ins. 8 ins. in the ground for 1/4 sec. cor. marked 1/4 on N. face from which An aspen tree 10 ins. diam. bears S. 74° 30' W. 20 lks. dist. marked 1/4 S. 16 B.T. An aspen tree 9 ins. diam. bears S. 54° 30' E. 96 lks. dist. marked 1/4 S. 15 B.T.

Subdivisions T. 5 N. R. 4 E.

Chains.	
48.00	Leave cottonwood also bottom of canon Enter scrub aspens Ascend
73.00	Top of spur projects W. Leave aspens
75.00	Bottom of ravine drains W.
80.00	Top of spur projects W. Set a boulder 15 x 12 x 6 ins. 10 ins. in the ground for cor. of 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 1 1/2 ft. high W. of corner Pits impracticable Land mountainous Soil stony 3rd rate No timber Mountainous land and dense under-growth on 80 00 Chs. Sept. 8th 1899 at this corner we set off 5° 35' N. on desl. arc and at 12h 00m M.T. l. m. t. observe the sun on the meridian the resulting Lat. is 41° 10' N.

. N. 80° 55' E. on a random line
Bet. Secs. 10 and 15

40.00	Set limb 1/4 sec. cor.
79.90	Intersect N. and S. line at the corner of secs. 10-11-14 and 15 Thence we run S. 89° 55' W. on a true line Bet. secs. 10 and 15 Over mountainous land Through oak and sage brush Ascend steep E. slope
17.00	Top of ridge bears N. 10° E. and S. 10° W. Descend
33.00	Bottom of ravine drains S W.
39.95	Set a boulder 14 x 8 x 6 ins. 9 ins. in the 1/4 sec. cor. marked 1/4 on

Subdivisions of T. 5 N. R. 4 E.

Chains	
	N. face and raised a mound of stone 2 ft. base 1½ ft. high N. of corner
	Pits impracticable
42.00	Top of spur projects S.W.
	Descend
47.00	Bottom of draw drains S.W.
	Ascend
51.00	Top of spur projects S.W.
	Descend over rolling land
79.90	The cor. of secs. 9-10-15 and 16
	Land mountainous
	Soil stony 3rd rate
	No timber
	Mountainous land and dense under-growth 79.90 chs.

	N. 0° 02' W. bet. secs. 9 and 10
	Over mountainous
	Through scattering service berry and sage brush
	Descend
2.00	Bottom of draw drains S.W.
8.00	Top of spur projects S.W.
17.00	Bottom of draw drains S.W.
26.40	Top of spur projects S.W.
31.00	Bottom of draw drains S.W.
39.00	Top of spur projects S.W.
40.00	Set a boulder 12 x 8 x 6 ins. 8 ins. in the ground for 1/4 sec. corner marked 1/4 on W. face and raised a mound of stone 2 ft. base 1½ ft. high W. of corner
	Pits impracticable
54.00	Bottom of ravine drains S.W.
72.50	Top of spur projects S.W.
80.00	Set a boulder 14 x 10 x 8 ins. 9 ins. in the ground for corner of 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 1½ ft. high W. of corner
	Pits impracticable

Subdivisions of T. 5 N. R. 4 E.

Chains.	
	Land mountainous Soil stony 3rd rate No timber Mountainous land and dense under-growth on 80.00 chains.
	N. 89° 55' E. on a random line Bet. secs. 3 and 10
40.00	Set temp. 1/4 sec. cor.
79.90	Intersect N. and S. line at the cor-ner of secs. 2-3-10 and 11 Thence we run S. 89° 55' W. on a true line Bet. secs. 3 and 10
	Descend
12.90	Bottom of Rock Cañon drains S. 25° E.
	Ascend
25.90	Top of ridge bears N. 30° W. and S. 45° E.
	Through scattering oak and sage brush
36.90	Enter scrub aspen and dense brush
39.95	Set a boulder 14x9x7 ins. 9 ins. in the ground for 1/4 sec. corner marked 1/4 on N. face from which An aspen tree 9 ins. diam. bears S. 78° E. 23 lks. dist marked 1/4 S. 10 B. T. An aspen tree 3 ins. diam. bears N. 36° W. 15 lks. dist marked 1/4 S. 3 - B. T.
47.90	Leave scrub aspens and underbrush Bottom of ravine drains S. 20° W. Ascend
51.90	Point of spur projects S. W.
	Descend
57.40	Bottom of draw drains S. W.
	Ascend
69.90	Top of spur projects S. W.
	Descend
79.90	Corner of secs. 3-4-9 and 10
	Land mountainous Soil stony 3rd rate Timber scrub secs 11.00 chs.

Subdivisions of T. 5 N. R. 4 E.

Chains	
	Mountainous land and dense undergrowth on 79.90 chs.
	Knowing from previous survey that this line will not intersect the N. Bdy. of Tp. within the prescribed limits for closing Therefore we run N. 0° 02' W. bet. secs. 3 and 4 on true line
	Over mountainous land
	Through scattering service berry and sage brush
	Descend
.50	Bottom of ravine drains S. W.
	Ascend
18.00	Top of spur projects S. W.
	Descend
20.00	Enter scrub aspens bear E. & W.
33.00	Bottom of ravine drains S. W.
	Leave scrub aspens
	Ascend steep S. E. slope
40.00	Set a boulder 12 x 9 x 6 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 corner
	Pits impracticable
52.00	Top of spur projects S. W.
	Enter scrub aspen and thick underbrush
	Descend
74.00	Bottom of ravine drains S. W.
	Leave scrub aspens and thick underbrush
	Ascend
80.03	Fall 98 lks N 89° 55' E of corner of secs. 3-4-33 and 34 on N. Bdy. of Tp.
	Set a boulder 16 x 10 x 7 ins. 11 ins. in the

Subdivisions T. 5 N. R. 4 E.

Chains	
	ground for closing corner of secs. 3 and 4 marked C.C. on S. with 3 grooves on E. and N. faces and raised a mound of stone 2 ft. base 1½ ft. high S. of corner
	Pits impracticable
	Land mountainous
	Soil gravelly 3rd rate
	No timber
	Mountainous land and dense under-growth on 80.03 chs.
	Note:- We destroy all marks on the cor. of secs. 3-4-33 and 34 which pertain to secs. 3 and 4
	From the cor. of secs. 32 and 33 on S. Bdy. of Tp. heretofore described
	We run
	N. 0° 03' W. bet. Secs. 32 and 33
	Over rough mountainous land
	Through cottonwood
	Descend gently
1.70	Bottom of Cottonwood Cañon
3.50	Leave cottonwood
	Enter oak service berry and sagebrush
	Ascend at point of spur
	Also junction with small gulch draining S.W. into Cottonwood Cañon
23.00	Top of spur projects S. 10° W.
	Thence along W. slope
40.00	Head of draw drains S. 35° W.
	Set a cobble stone 13 x 9 x 8 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 corner
	Pits impracticable
43.00	Top of ridge bears N.W. and S.E.
	Descend abruptly into perpendicular ledges.
51.00	Foot of cliffs bear N.W. and S.E.
	Enter thick brush
62.00	Bottom of Pine Cañon
	Creek 5 lks. wide 3" runs S.E.

Subdivisions T. 5 N. R. 4 E.

Chains.	
65.00	Enter alfalfa field bears N.W and S.E.
	Leave dense brush
72.00	Leave field
	Wire fence bears N.W. and S.E.
72.30	Wagon road. bears N.W. and S.E.
80.00	Set a cobble stone 14x10 x 6 ins. 9 ins. in the ground, for corner of 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 1½ ft. high W. of corner
	Pits impracticable
	Land mountainous
	Soil loam and stony 2nd and 4th rates
	No timber
	Mountainous land and dense under-growth on 80.00 chs.
	Sept. 8th 1899.

S. 89° 55' E. on a random line
Bet. secs. 28 and 33

40.00	Set temp. 1/4 sec. cor.
79.53	Intersect N. and S. line 5 lks. W of cor. of secs. 27-28-33 and 34
	Thence we run
	N. 89° 57' W. on a true line
	Bet. secs. 28 and 33
	Ascend
4.53	Top of ridge bears N.W. and S.E.
	Descend
22.53	Bottom of swale drains S.W.
	Ascend
35.61	Top of spur projects S.W.
39.76	Set a sandstone 15x9 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 1½ ft. high N. of corner
	Pits impracticable. Descend
43.53	Ravine drains S. 10° W.
	Ascend
50.53	Top of spur projects S.

Subdivisions T. 5 N. R. 4 E.

Chains	
	Descend
57.53	Bottom of small gulch drains S.W. Ascend
61.53	Point of spur projects S.W.
	Descend
69.53	Bottom of gulch drains S.W.
	Ascend
74.53	Top of spur projects S.W.
	Descend
	Through sage brush
	Over mountainous land
79.53	The cor. of secs. 28-29-32 and 33
	Land mountainous
	Soil stony 4th rate
	No timber
	Mountainous land and dense undergrowth
	79.53 chs.

N. 0° 03' W. bet. Secs. 28 and 29
Over rough mountainous land
Through sage and scattering service berry brush.
Ascend over spurs and hollows.

20.00	Top of spur projects W.
	Descend
26.00	Bottom of gulch drains S. 80° W.
	Ascend
33.00	Top of spur projects S.W.
	Descend abruptly on W. slope
40.00	Set red sandstone 14 x 8 x 4 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 1 1/2 ft. high W. of corner Pit only
	Corner located S. side of small gulch
40.20	Bottom drains W.

Subdivisions T. 5 N. R. 4 E.

Chains	Ascend along steep W. slope
45.00	Point of spur projects S. 85° W.
	Descend
55.00	Bottom of ravine drains S. W.
	Ascend on E. slope of spur.
80.00	Set a boulder 18 x 8 x 8 ins. 12 ins. in the ground for corner of 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 corner
	Pits impracticable
	Land mountainous
	Soil stony 4th rate
	No timber
	Mountainous land and dense undergrowth on 80.00 chs.
	S. 89° 57' E. on a random line Bet. secs. 21 and 28
40.00	Set temp 1/4 sec. cor.
79.54	Intersect N. and S. line at the corner of secs. 21-22-27 and 28
	Thence we run N. 89° 57' W. on a true line Bet. secs. 21 and 28
19.54	Draw on S. slope drains S. E.
	Ascend
24.54	Top of spur projects S.
	Thence along S. slope of large spur
30.54	Bottom of ravine drains S. 60° E.
39.77	Set a cobble stone 13 x 8 x 8 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 1½ ft. high N. of corner
	Pits impracticable.
	Ascend
45.54	Top of ridge bears N. W. and S. E.
	Descend
50.54	Head of swale drains S. W.
57.54	Top of spur projects S. W.

Subdivisions of T. 5 N. R. 4 E.

Chains	
	Descend
67.54	Bottom of gulch drains S. W.
	Ascend
70.54	Point of spur projects S. 20° W.
	Descend
76.29	Bottom of draw drains S. 20° W.
	Ascend through scattering sage and service berry brush
79.54	The corner of secs. 20-21-28 and 29
	Land mountainous
	Soil stony 4th rate
	No timber
	Mountainous land and dense undergrowth on 79.54 chs.

N. 0° 03' W. bet. secs. 20 and 21

	Over rough mountainous land
	Through scattering service berry and sage brush
	Ascending over spurs and hollows
12.00	Top of ridge bears E. and S. W.
	Descend
30.00	Bottom of small gulch drains W.
	Ascend
34.00	Top of spur projects W.
	Descend
38.00	Bottom of and near head of draw drains West.
	Ascend
40.00	Set a cobble stone 14 x 8 x 5 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 1 1/2 ft. high W. of corner
	Pits impracticable
41.00	Top of spur projects W.
	Descend
60.00	Bottom of draw drains W.
	Ascend
66.00	Top of abrupt ascent
0.00	Top W.

Subdivisions of T. 5 N. R. 4 E.

Chains	Descend.
78.00	Bottom of draw drains W.
	Ascend
80.00	Set a boulder 14x10x8 ins. 9 ins. in the ground for corner of 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 corner
	Pits impracticable
	Land mountainous
	Soil stony 3rd rate
	No timber
	Mountainous land on 80.00 chs.

Sept. 9-1899 at 10h 00m a. M. l. m. t. we set off 41°09' N. on the lat. arc, 5°14' N. on the decl. arc. and determine a true meridian with the solar at the corner of secs. 16-17-20 and 21

Thence we run

S. 89° 57' E. on a random line Bet. secs. 16 and 21

40.00	Set temp. 1/4 sec. cor.
79.63	Intersect N. and S. line 2 lks. N of the corner of secs. 15-16-21 and 22

Thence we run

N. 89° 56' W. on a true line Bet. secs. 16 and 21

	Through oak and sage brush
8.63	Leave oak and sage brush
	Enter aspens
	Thence across draw on N. slope
	Scrub aspens bear N. E. and S. W.
18.63	Bottom of draw drains N. 15° E.
	Ascend
29.63	Point of spur projects S.
	Descend
38.63	Enter aspens
39.81	Set a boulder 13x9x6 ins. 9 ins. in

Subdivisions of T. 5 N. R. 4 E.

Chains	
	in the ground for 1/4 sec. cor. marked 1/4 on N. face from which
	An aspen 3" diam. bears S. 20° W. 20 lks. dist. marked 1/4 S. 21 B.T.
	An aspen 4" diam. bears N. 45° E. 25 lks. dist. marked 1/4 S. 16 B.T.
54.13	Leave scrub-aspens. Ascend more rapidly
61.63	Point of small spur projects S.E.
	Ascending
64.63	Bottom of draw drains S. 15° E.
	Ascend
71.16	Top of ridge bears N. and S.
	Descend
	Through scattering service berry and sage brush
	Over mountainous land
79.63	The corner of secs. 16-17-20 and 21
	Land mountainous
	Soil stony 4th rate
	Timber scrub aspen 15.50 chs.
	Mountainous land on 79.63 chs.

N. 0° 03' W. bet. secs. 16 and 17

Over rough mountainous land over spurs and hollows

Through scattering service berry and sage brush

Ascending

7.50	Top of spur projects W.
	Descend gradually along W. slope of ridge
27.00	Bottom of wide draw, near head-drains S. 10° W.
	Ascend
40.00	Set a hard sandstone 13 x 8 x 7 ins. 9 ins. in the ground for 1/4 Sec. corner marked 1/4 on W. face and raised a mound of stone 2 ft. base 1 1/2 ft. high W. corner

Pits

Subdivisions of T. 5 N. R. 4 E.

Chains	
44.00	Top of ridge bears S.E. and N.W.
	Descend over E. slope of ridge
53.00	Enter scrub-aspen, leave sage brush
67.00	Leave scrub aspen, willow and thick brush.
	Bottom of draw drains N.E.
70.00	Point of spur projects E. Descend.
74.00	Bottom of draw drains S. 20° E.
	Ascend
	Leave scrub-aspen willow and thick underbrush
	Enter oak and sage brush
78.00	Top of spur projects S.E.
80.00	Set a boulder 14 x 9 x 5 ins. 10 ins. in the ground for cor. of 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 corner
	Pits impracticable
	Land mountainous
	Soil gravelly 3rd and 4th rate
	Timber scrub aspen on 14.00 chs.
	Mountainous land on 80.00 chs.

S. 89° 56' E. on a random line
Bet. secs. 9 and 16

40.00	Set temp. 1/4 sec. cor.
79.60	Intersect N. and S. line 2 lks. S. of corner of secs. 9-10-15 and 16
	Thence we run
	N. 89° 54' W. on a true line
	Bet. secs. 9 and 16
	Descend through sage and oak brush
20.60	Bottom of cañon. descend gently
21.60	Road bears N.W. and S. 25° E.
24.60	Creek 4 lks. wide 3" deep runs S. 25° E.
25.60	Old corral 45 lks. N. of line
	Through aspen cottonwood and willows
27.60	Leave bottom Guilder Sleeve Cañon Ascend through willo
33.60	Point of spur projects N.E.

Subdivisions T. 5 N. R. 4 E.

Chains	
36.60	Leave willows, enter oak
	Bottom of draw drains N.E.
39.80	Set a boulder 15x11x8ins. 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 corner.
	Pits impracticable
	Ascend
49.60	Top of spur projects N.E.
	Descend
	Leave oak brush
54.60	Enter aspen and willows
61.10	Bottom of ravine drains N. 80° E.
75.60	Leave scrub aspens and willows
	Ascend along E. side of draw through dense oak and service berry
	Over mountainous land
79.60	The cor. of secs. 8-9-16 and 17
	Land mountainous
	Soil stony 3rd rate
	No timber
	Mountainous land and dense under-growth on 79.60 chs.

N. 0° 03' W. bet. secs. 8 and 9

	Over rough mountainous land
	Through oak brush
	Ascend
2.00	Top of spur projects S. 80° E.
	Descend
3.00	Enter scrub aspens, patches of willows and dense undergrowth
10.00	Bottom of ravine drains S. 80° E.
	Leave scrub aspens and willow and dense undergrowth
	Enter oak
	Ascend
16.00	Top of spur projects N. 4 E.
	Descend
	Enter timber

Subdivisions of T. 5 N. R. 4 E.

Chains.	
22.00	Bottom of flat hollow
	Enter scrub aspens.
28.00	Commence ascent
	Leave hollow and aspens
	Enter oak and larb
33.68	Top of spur projects E.
	Descend rapidly
39.00	Bottom of ravine drains E.
	Also enter patches of willow
	Leave oak and larb
40.00	Set a boulder 12x8x8 ins. 8 ins in the ground for 1/4 sec. cor. marked 1/4 on W. face and raise a mound of stone 2 ft. base 1 1/2 ft. high W. of corner.
	Pits impracticable
	Corner is located in thick patch of willow.
	Ascend
42.00	Leave scrub-aspen willow and thick brush
	Enter scattering oak and sage brush
55.00	Top of spur projects S. 80° E.
	Descend
	Thence along small spurs and hollow
70.00	Enter scrub aspen and patches of willows bear E. and W.
78.00	Bottom of draw drains E.
	Also leave scrub-aspen and willow
80.00	Set a boulder 13x9x7 ins. 9 ins. in the ground for corner of secs. 4-5-8 and 9 marked with 5 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 corner
	Pits impracticable
	Land mountainous
	Soil stony 3rd rate
	Timber scrub aspens 21.00 chs.
	Mountainous land and dense under-growth 80.00 chs.
	Sept. 9. 1899. At noon hour sky was overcast and solar observation was impossible.

Subdivisions of T. 5 N. R. 4 E.

Chains

S. 89° 57' E. on a random line
Bet. Secs. 4 and 9

40.00 Set temporary 1/4 sec. cor.

79.48 Intersect N. and S. line at the cor. of secs. 3-4-9 and 10

Thence we run
N. 89° 57' W. on a true line
Bet. secs. 4 and 9

Descend

.13 Bottom of ravine drains S. W.

Ascend

9.48 Top of spur projects S. W.

Descend

21.48 Bottom of draw drains S. W.

Ascend

28.48 Top of spur projects S. W.

39.74 Set a boulder 14 x 7 x 6 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

Descend through sage and scattering oak brush

44.48 Bottom Boulder Sleeve Canon

Enter aspens - willows and cottonwood

47.23 In bottom of canon

Creek 5 lks. wide 3" deep runs S. 10° E.

Leave cottonwood and willows

55.48 Road bears N. 10° W. and S. 10° E.

59.48 Leave bottom of canon.

62.48 Leave scrub aspens.

Ascend rapidly

Over mountainous land

Through oak and sage brush

79.48 The cor. of secs. 4-5-8 and 9

Land mountainous

Soil stony 3rd rate

No timber

Mountainous land and dense under

.48 chs.

Subdivisions of T. 5 N. R. 4 E.

Chains	
	Knowing from previous survey that this line will not intersect the N. Bdy. of the Tp. within the prescribed limits for Closing Therefore we run
	N. 0° 3' W. bet. secs. 4 and 5 on true line
	Over rolling mountainous land E. slope Through scattering service berry and sage brush.
	Ascend
8.00	Top of spur projects N. 85° E.
	Descend
8.50	Enter scrub aspen
11.00	Leave aspens
16.00	Bottom of draw drains N. 85° E.
	Ascend
22.00	Point of spur projects N. 85° E.
	Descend
23.00	Enter scrub aspens
28.00	Bottom of draw drains E.
	Ascend
28.50	Leave scrub aspens
33.00	Enter scrub aspens
34.00	Leave scrub aspens
38.00	Point of flat spur projects E.
40.00	Set a boulder 15 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
49.00	Commence descending rapidly Enter scrub aspens Also pine timber
58.00	Bottom of left fork of left fork of Guilder Sleeve Canon drains E.
	Ascend
	Leave pine and scrub aspens.
64.00	Point of spur projects E.
	Descend
69.00	Bottom of Left Fork of Guilder Sleeve Canon
	Enter scattering cottonwood
	Ascend

Subdivisions of T. 5 N. R. 4 E.

Chains	
72.00	Leave cottonwood
	Enter service berry and sage brush
80.00	Fall 160 lks. N. 89° 55' E of cor. of secs. 4-5-32 and 33 on N. bdy. of Tp. heretofore described
	Set a boulder 18x12x8 ins. 12 ins. in the ground for closing cor. of 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 corner
	Pits impracticable.
	Land mountainous
	Soil stony 3rd rate
	Timber pine 9 chs.
	Mountainous land and dense under-growth on 80.00 chs.
	Note: We destroy all marks on the corner of secs. 4-5-32 and 33 which pertain to secs. 4 and 5.
	From Standard corner of secs. 31 and 32 on S. Bdy. of Tp. heretofore described
	We run
	N. 0° 04' W. bet. secs. 31 and 32
	Descend through oak brush
9.50	Bottom of gulch drains E.
	Ascend
	Leave oak brush
24.00	Top of spur slopes E.
	Descend through oak brush
32.00	Bottom of gulch drains E.
	Ascend
	Leave oak brush
39.00	Top of flat spur slopes E.
40.00	Set a boulder 16x10x8 ins. 11 ins. in the ground for ¼ sec. corner marked ¼ on W. face and raised a mound of stone 2 ft. base 1½ ft. high W. of corner. Pits impracticable
55.00	Descend
	Bottom of gully drs. N. E.
	Thence over spur — and small hollows draining

Subdivisions of T. 5 N. R. 4 E.

Chains
80.00 Set a boulder 14 x 10 x 6 ins. 9 ins. in the ground for corner of 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 gravelly 3rd rate
No timber
Mountainous land on 80.00 Chs.

September 9-1899.

S. 89° 55' E. on a random line
Bet. secs. 29 and 32

40.00 Set temp 1/4 sec. cor.

79.79 Intersect N. and S. line 21 lks. S. of corner of secs. 28-29-32 and 33

Thence we run
S. 89° 56' W. on a true line
Bet. secs. 29 and 32

16.79 Wagon road bears N. W. and S. E.
Descend

19.79 Bottom of Pine Canon
Spring branch 5 lks. wide drains S. then S. E.
Ascend

28.79 Spur slopes N. E.
Descend

34.79 Hollow drains N. E.
Ascend

39.89 Set a boulder 14 x 12 x 8 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 1½ ft. high N. of corner
Pits impracticable
Through oak brush

48.2 Leave oak brush

Subdivisions of T. 5 N. R. 4 E.

Chains	
	Ascend
48.79	Top of ridge bears S.E. and N.W.
	Descend
69.79	Bottom of cañon drains S.E.
	Ascend
79.79	The cor. of secs. 29-30-31 and 32.
	Land mountainous
	Soil gravelly 3rd and 4th rate
	No timber
	Mountainous land on 79.79 chs.

N. 89° 52' W. on a random line
Bet. secs. 30 and 31

40.00	Set temp. 1/4 sec. cor.
60.96	Intersect W. Bdy. of Tp. 20 lks. N. of cor. of secs. 30 & 31 heretofore described
	Thence we run

N. 89° 57' E. on a true line
Bet. secs. 30 and 31

	Descend
10.96	Bottom of draw drains S.E. Ascend
16.96	Top of spur projects S.
20.96	Set a boulder 16 x 10 x 6 ins. 11 ins. in the ground for 1/4 sec. corner marked 1/4 on N. face and raised a mound of stone 2 ft. base 1 1/2 ft. high N. of corner Pits inscriptible
60.96	The corner of sections 29-30-31 and 32.
	Land mountainous
	Soil gravelly and rocky 3rd & 4th rate. No timber
	Mountainous land on 60.96 chs.

N. 0° 04' W. bet. secs. 29 and 30

	Ascend gently
2.00	Top of low spur projects S.E.
	Descend gradually
40.00	Set a boulder 17 x 10 x 6 ins. 11 ins. in the ground for 1/4 sec. cor. marked 1/4 on N. and raised a mound stone

Subdivisions of T. 5 N. R. 4 E.

Chains	
	2 ft. base 1½ ft. high N. of corner
	Pits impracticable
	Descend
42.00	Enter oak brush
	Descend abruptly
58.00	Bottom of gulch drains E.
	Ascend
65.00	Top of spur projects E.
	Descend
74.00	Bottom of ravine drains S.E.
	Ascend
80.00	Set a boulder 16 x 8 x 6 ins. 11 ins. in the ground, for corner of secs. 19-20-29 and 30 marked with 2 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.
	Land mountainous
	Soil gravelly and rocky 3rd rate
	No timber
	Mountainous land on 80.00 chs.

Sept. 10-1899. At 9h 00m a.m. l.m.t we set off 41° 09' N. on lat arc 4° 52' N. on the decl. arc and determine a true meridian with the solar at the corner of secs. 19-20-29 and 30

Thence we run

N. 89° 56' E. on a random line

Bet. secs. 20 and 29

40.00	Set temp 1/4 sec. cor.
79.95	Intersect N. and S. line 5 lks. N. of cor. of secs. 20-21-28 and 29

Thence we run

S. 89° 58' W. on a true line

Bet. secs. 20 and 29.

	Ascend
2.95	Top of ridge bears N.E. & S.W.
	Descend abruptly
28.95	Enter cottonwood and bottom of Pine Canon
29.95	Spring branch 3 lks. wide drains S.

Subdivisions of T. 5 N. R. 4 E.

Chains	
30.95	Leave cottonwood
33.95	Wagon road bears N. and S.
36.95	Leave Pine Cañon drains S.
	Foot of steep ascent
39.97	Set a boulder 15 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 stone 2 ft. base 1 1/2 ft. high N. of corner
	Pits impracticable
	Ascend
45.95	Top of spur slopes S. E.
	Descend
50.95	Bottom of ravine drains S. E.
	Ascend abruptly
59.00	Ascend gradually
79.95	The cor. of secs. 19-20-29 and 30
	Land mountainous
	Soil gravelly and rocky 3rd and 4th rate
	No timber
	Mountainous land on 79.95 chs.

S. 89° 57' W. on a random line
Bet. secs. 19 and 30

40.00	Set temp. 1/4 sec. cor.
61.15	Intersect W. Bdy. of Tp. 12 lks. N. of cor. of secs. 19 and 30 heretofore described
	Thence we run
	N. 89° 50' E. on a true line
	Bet. Secs. 19 and 30
4.15	Enter aspens and willows
18.15	Leave aspens and willows
21.15	Set a boulder 14 x 8 x 6 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 corner
	Pits impracticable
	Descend
22.15	Bottom of hollow drains S. E.
	Ascend

Subdivisions of T. 5 N. R. 4 E.

Chains.	
50.15	Top of ridge bears N.W. and S.E.
	Descend through dense oak brush
54.15	Bottom of gully drs. S.E.
	Leave dense oak brush
	Ascend
61.15	The cor. of secs. 19-20-29 and 30
	Land mountainous
	Soil gravelly and rocky 3rd and 4th rate
	No timber
	Mountainous land on 61.15 chs.

N. 0° 04' W. bet. secs. 19 and 20

	Ascend gradually
37.00	Top of spur sloped S.E.
	Descend
39.00	Gully drains S.E.
	Ascend abruptly
40.00	Set a boulder 15x7x5 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 corner
	Pits impracticable.
61.00	Top of ridge bears N.W. and S.E.
	Descend
70.00	Gully drains S.E.
	Ascend
77.00	Top of spur slopes S. 80° E.
	Descend
	Enter dense brush
80.00	Set a boulder 16x8x5 ins. 11 ins. in the ground for corner of 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 1 1/2 ft. high W. of corner
	Pits impracticable
	Land mountainous
	Soil gravelly and rocky 3rd and 4th rate
	No timber
	Mountainous land on 80.00 chs.
	Dense undergrowth on 80.00 chs.

Subdivisions of T. 5 N. R. 4 E.

Sept. 10. 1899 At this cor. we set off 4° 49' N on the decl. arc and at 12^{h} 00^{m} M.L.M.T. observe the sun on the meridian, the resulting lat. is 41° 09' N.

N. 89° 58' E. on a random line
Bet. secs. 17 and 20

40.00 Set temporary 1/4 sec. cor.
80.00 Intersect N. and S. line 20 lks. S. of corner of secs. 16-17-20 and 21
Thence we run
S. 89° 49' W. on a true line
Bet. secs. 17 and 20
Over rough mountainous land
Descending
5.00 Bottom of draw drains S. W.
9.00 Top of spur projects S. W.
35.00 Bottom of Pine Canon drains S. W.
40.00 Set a boulder 14 x 6 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 corner
Pits impracticable
44.00 Wagon road bears N. and S.
Ascend
57.00 Top of spur projects S. E.
66.00 Bottom of gulch drains S. E.
Ascend
80.00 The corner of secs. 17-18-19 and 20
Land mountainous
Soil stony 3rd and 4th rate
No timber
Mountainous land on 80.00 chs.

Subdivisions of T. 5 N. R. 4 E.

Chains.	
	S. 89° 50' W. on a random line Bet. Secs. 18 and 19
20.00	Set temporary 1/4 sec. cor.
61.20	Intersect W. Bdy. of Tp. 1 lks. N of cor. of secs. 18 and 19 heretofore described
	Thence we run
	N. 89° 49' E. on a true line Bet. Secs. 18 and 19
	Through aspens and underbrush
	Ascend gradually
5.20	Top of ridge bears N.W. and S.E.
	Leave aspens
	Descend
18.20	Hollow drains S.E.
21.20	Set a boulder 16x8x6 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 corner
	Pits undractitable
	Ascend gradually along S.W. slope
	Enter underbrush
41.20	Top of ridge bears N.W. and S.E.
	Descend through very dense underbrush
61.20	The cor. of secs. 17-18-19 and 20
	Land mountainous
	Soil rocky 4th rate
	No timber
	Mountainous land and dense under-growth on 61.20 chs.
	N. 0° 04' W. bet. secs. 17 and 18
	Descend through thick brush
4.00	Gully drains S. 80° E.
	Ascend
	Leave underbrush
15.00	Top of spur slopes East
20.00	Hollow drains East
29.00	Spur slopes East
	Enter aspen
35.00	Hollow drains N.E.
	Leave aspen

Subdivisions of T. 5 N. R. 4 E.

Chains	
38.00	Spur slopes S.E.
	Enter aspen
40.00	In small drains S.E.
	Set a boulder 14 x 10 x 8 ins. 9 ins. in the ground for 1/4 sec. cor. marked 1/4 on W. face from which
	An aspen tree 4" diam. bears N. 19° 30' W. 11 lks. dist. marked 1/4 S. 18 B.T.
	An aspen tree 4" diam. bears S. 24° 30' E. 30 lks. dist. marked 1/4 S. 17 B.T.
	Ascend through brush
	Leave aspens
46.44	Top of spur projects N. 80° E.
	Descend abruptly
50.00	Foot of steep descent -
	Enter aspens
	In Left Fork of Pine Cañon
70.00	Bottom of Left Fork of Pine Cañon drains S.E.
	Ascend abruptly
	Leave aspens
79.50	Enter scrub aspens
80.00	Set a boulder 16 x 10 x 8 ins. 11 ins. in the ground for corner of secs. 7-8-17 and 18 marked with 4 notches on S. and 5 notches on E. edges from which
	An aspen tree 4" diam. bears S. 27° 30' W. 27 lks. dist. marked T. 5 N. R. 4 E. S. 18 B.T.
	An aspen tree 3" diam. bears N. 19° 30' W. 51 lks. dist. marked T. 5 N. R. 4 E. S. 7 B.T.
	An aspen tree 3" diam. bears N. 40° E. 46 lks. dist. marked T. 5 N. R. 4 E. S. 8 B.T.
	An aspen tree 3" diam. bears S. 12° 30' E. 43 lks. dist. marked T. 5 N. R. 4 E. S. 17 B.T.
	Land mountainous
	Soil gravelly 3rd rate
	Timber aspen 28.00 chs.
	Mountainous land on 80.00 chs.
	Sept. 10-1899.

Subdivisions of T. 5 N. R. 4 E.

Chains.	
	N. 89° 49' E. on a random line Bet. secs. 8 and 17
40.00	Set temporary 1/4 sec. cor.
80.10	Intersect N. and S. line 2 lks. S. of corner of secs. 8-9-16 and 17
	Thence we run S. 89° 48' W. on a true line Bet. secs. 8 and 17
	Descend over mountainous land
	Through oak and sage brush
10.50	Head of draw drains S. E.
	Ascend
35.00	Top of flat ridge bears N. E. and S. W.
37.00	Top of descent
40.05	Set a boulder 15 x 7 x 5 ins. 10 ins. in the ground for 1/4 sec. corner marked 1/4 on N. face and raised a mound of stone 2 ft. base 1 1/2 ft. high N. of corner
	Pits impracticable
44.00	Bottom of draw drains S.
	Ascend
51.00	Top of spur projects S.
	Descend
71.00	Bottom of Right Fork of Pine Cañon
	Ascend
72.00	Old road bears N. and S.
78.00	Enter scrub aspens
80.10	The cor. of secs. 7-8-17 and 18
	Land mountainous
	Soil stony 3rd rate
	No timber
	Mountainous land and dense under growth 30.10 chs.

	S. 89° 49' W. on a random line Bet. secs. 7 and 18
40.00	Set temp. 1/4 sec. cor.
61.30	Intersect W. Bdy. of Tp. 2 lks. S. of corner of secs. 7 and 18 heretofore

Subdivisions of T. 5 N. R. 4 E.

Chains. described
Thence we run
N. 89° 50' E. on a true line
Bet. secs. 7 and 18
Descend through aspens
21.30 Set a boulder 14 x 8 x 6 ins. 9 ins. in the ground for 1/4 sec. cor. marked 1/4 on N. face. from which
An aspen tree 6" diam. bears N. 25° W. 14 lks. dist. marked 1/4 S. 7 B. T.
An aspen tree 4" diam. bears S. 78° W. 15 lks. dist. marked 1/4 S. 18 B. T.
22.30 Hollow drains N. E.
No water
28.30 Top of spur projects N. E.
33.30 Bottom of Left Fork of Pine Canon drs S. E.
35.30 Leave aspens
Ascend through brush
56.00 Leave brush
56.30 Top of spur slopes S.
59.30 Enter underbrush
Descend
61.30 The corner of secs. 7-8-17 and 18
Land mountainous
Soil gravelly and rocky 3rd and 4th rate
Timber aspen on 35.30 chs.
Mountainous land on 61.30 chs.

Sept. 11-1899, at 9h 00m A.M. l. m. t. we set off 41° 10' N. on lat. arc 4° 30' N. on decl. arc and determine a true meridian with the solar at the corner of secs. 7-8-17 and 18
Thence we run
N. 0° 04' W. bet. secs. 7 and 8
Ascend
Through aspens and dense under-growth
20.00 End of spur slopes E.
Descend

Subdivisions of T. 5 N. R. 4 E.

Chains	
39.00	Bottom of right fork of Pine Cañon
39.70	Creek 3 lks. wide drains S. 10° E.
40.00	Set a boulder 15 x 7 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 W. of corner. Pits impracticable
40.50	Wagon road bears N. 10° W. and S. 10° E.
	Ascend through scattering aspens and very dense undergrowth
50.00	Leave undergrowth
62.00	Enter scrub aspens
73.00	Leave scrub aspens
80.00	Set a boulder stone 14 x 10 x 5 ins. 9 ins. in the ground for corner of secs. 5-6-7 and 8 marked with 5 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 corner
	Pits impracticable
	Land mountainous
	Soil stony and rocky 3rd rate.
	Timber aspens on 73.80 chs.
	Mountainous land on 80.00 chs.

N. 89° 48' E. on a random line
Bet. secs. 5 and 8

40.00	Set temp. 1/4 sec. cor.
80.10	Intersect N. and S. line 10 lks. N. of corner of secs. 4-5-8 and 9
	Thence we run
	S. 89° 52' W. on a true line
	Bet. secs. 5 and 8
	Ascend through sage and oak brush
	Over mountainous land
3.00	Enter aspens bear N. W. and S. E.
33.00	Leave scrub aspens
40.05	Set a boulder 16 x 11 x 4 ins. 11 ins. in the ground for 1/4 sec. corner marked 1/4 on N. face and raised a mound of stone 2 ft. base 1 1/2 ft. high N. of corner.
	Pits impracticable

Subdivisions of T. 5 N. R. 4 E.

Chains	
42.10	Enter scrub aspens
	Ascend
52.00	Top of spur projects N. and S.
	Descend through scrub aspens.
60.00	Bottom of draw drains S.E.
	Ascend
77.00	Top of ridge bears N.W. and S.E.
	Descend
80.10	The corner of secs. 5-6-7 and 8
	Land mountainous
	Soil gravelly 3rd rate
	Timber aspen
	Mountainous land and dense under-growth on 80.10 chs.

S. 89° 50' W. on a random line
Bet. secs. 6 and 7

40.00	Set temporary 1/4 sec. cor.
61.40	Intersect W. Bdy. of Tp. 2 lks. N. of corner of secs. 6 and 7 heretofore described
	Thence we run

N. 89° 49' E. on a true line
Bet. secs. 6 and 7

	Through scattering pine and aspen
	Descend
18.40	Right fork of Pine Canon drs. S.S.
	Leave pine
21.40	Set a boulder 14 x 10 x 8 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 corner. Pits impracticable
26.40	Point of spur slopes S.
	Leave scrub aspens
31.40	Hollow drains S.
	Wagon road in bottom of hollow
36.40	Enter aspens
	Ascend
41.40	T low s S.

Subdivisions of T. 5 N. R. 4 E.

Chains Descend
46.40 Hollow drains S.
59.40 Leave scrub aspens and underbrush
Ascend
61.40 The cor. of secs. 5-6-7 and 8
Land mountainous
Soil gravelly 3rd rate
Timber pine on 18.40 chs.
Mountainous land on 61.40 chs.

Knowing from previous survey that this line will not intersect the N. Bdy. of Tp. within the prescribed limits for closing, we run
N. 0° 04' W. bet. secs. 5 and 6 on true line
Ascend
4.00 Top of ridge bears N. W. and S. E.
Descend
Enter aspen timber
25.00 Head of hollow drains S. E.
Ascend; leave timber
32.00 Top of spur projects S. E.
Descend and enter aspen and undergrowth
40.00 Set a boulder 14 x 8 x 6 ins. 9 ins. in the ground for 1/4 sec. cor. marked 1/4 on W. face, from which
An aspen tree 6" diam. bears S. 20° 30' E. 43 lks. dist. marked 1/4 S. 5 B. T.
An aspen tree 5" diam. bears S. 22° 15' W. 69 lks. dist. marked 1/4 S. 6 B. T.
Ascend gradually
58.00 Top of spur projects E.
Descend through fallen timber
71.00 Bottom of gully drains E.
Ascend through scrub aspens
77.00 Top of small spur slopes E.
Descend
80.00 Fall 1.50 chs. N. 89° 55' E. of cor. of secs. 5-6 31 and 32 on N. Bdy. of Tp.

Subdivisions of T. 5 N. R. 4 E.

Chains. Set a boulder 14 x 6 x 8 ins. 9 ins. in the ground for closing cor. of secs. 5 and 6 marked C.C. on S. bolt 5 grooves on E. and 1 groove on N. faces
From which
An aspen 4" diam. bears S. 11° E. 60 lks. dist. marked C.C. T. 5 N. R. 4 E. S. 5 B.T.
An aspen 6" diam. bears S. 39° W. 65 lks. dist. marked C.C. T. 5 N. R. 4 E. S. 6 B.T.
We destroy all marks on the corner of secs. 5-6-31 and 32 pertaining to secs. 5 and 6
Land mountainous
Soil gravelly 3rd rate
Timber aspen and scattering pine on 73.00 chs.
Mountainous land on 80.00 chs.
September 11-1899.

General Description.

This township contains land suitable for both agricultural and grazing purposes.

The agricultural land is found along the bottom adjacent to Lost Creek which flows through the South-eastern portion of the township from N.E. to S.W.

This creek furnishes an abundant water supply for irrigating all the land along its banks which is suitable for tilling.

The central and northern portions of the township consist of high ridges and deep ravines, the general direction of the drainage being toward Lost Creek.

The ridges and ravines are, in many places covered rich and nutritious summer

feed for both cattle and sheep.
Timber is scarce throughout the town-ship, consisting of small quaking asp on the north slopes of the ridges and a few scattering pine in the northern and western portions of the township.
Water is also scarce in the western and northern portions of the township the main supply being found in Guilder Sleeve Canon draining through the central portion of the Tp. from N. to S.E.
A portion of W. H. Toone's private land claim is situated in the eastern part of Sec. 24. the remaining portion of said claim being situated in T. 5 N. R. 5 E.
Chas. F. Toone has a private land claim in the southern part of Sec. 24

John Turner has a ranch in the north-eastern part of Sec. 26. having about 100 acres under cultivation. About $1500.00 worth of improvements have been made in the way of buildings, fences etc.

Geo Wilds has a ranch in the northern portion of Sec. 35 and the southern part of Sec. 26, about 75 acres being under cultivation. About $800.00 worth of improvements have been made.

Ben Toone has a ranch in north-western portion of Sec. 35, about 50 acres being under cultivation. About $800.00 worth of improvements have been made in the way of buildings, fences, corrals etc.

L. L. Toone has a private land claim in Sec. 34

Subdivisions T. 5 N. R. 4 E.

James Hoskins as a cabin in Sec. 34, the ranch belonging to same being situated in T. 4 N. R. 4 E. About $150.00 worth of improvements have been made on the land situated in this township.

There are no indications of mineral in this township.

Francis E. Baxter.
David A. Blossom.
U.S. Dep. Surveyors.

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Meanders of P.L.C T 5 N - R 4 E

Meanders of Lyon L Toone's
Private Land Claim.

Lyon L Toone having filed his claim and proofs of his 20 years adverse possession of a tract of land in sec 34 T 5 N R 4 E, M, in accordance with special instructions proceed to locate and meander the claim as follows.

Begin at a point 19.50 chs N 0 02' W of cor of secs 33 and 34 on S bdy of Tp heretofore described where we

Set a sandstone 16 x 14 x 4 ins 11 ins in the ground for beginning and closing corner marked C L C on N L.L.T. BEG COR on S.E. and raised a mound of stone 2 ft base 1½ ft high S.E. of cor. Pits impracticable.

Thence we run with meanders in sec 34

S 71°00' E 12.00 chs Along N.E. side of Pine canon.

At 5.00 chs cross irrigation ditch drains N.E.

At 7.00 chs cross same ditch drains S.E.

At end of course set a sand stone 16 x 12 x 5 ins 11 ins in the ground for angle cor marked L.L.T. L on S E and raised a mound of stone 2 ft base 1½ ft high S.E. of cor. Pits impracticable.

30°30' E 30.00 chs. At 9.00 chs cross wagon road bears N.E. and S.W.

At 11.00 chs same road bears same.

At 13.00 chs same road bears S.W. and N.E.

Meanders of P.L.C. T 5 N - R 4 E.

Meanders of Tyson L. Downs's Private Land Claim.

at 14.50 chs Fence bears N 25 E and S 25° W. Entes field.
at 16.40 chs ditch bears N.E. and S.W.
at 23.00 chs same ditch drains S.W.
at 26.90 chs Fence bears E and W Leave field.
at 28.00 chs wagon road bears E and W.
½ mile cor falls in road and can not be set.
30.00 chs end of course.
Set a sandstone 18x13x6 ins 12 ins in the ground for witness and angle cor marked L.L.T.C on S.E. and W.C. ½ M on S.E. face and raised a mound of stone 2 ft base 1½ ft high S.E. of cor.
Pits impracticable.

N 52° 30' E 33.00 chs

At 7.90 chs wagon road bears W and N.E.
At 8.05 chs Fence bears S.W. and N.E.
At 8.15 chs Ditch drains S W
Thence along ditch.
At 23.10 leave ditch drains S W
At 29.95 chs Fence bears E and W.
33.00 E end of course.
Set a sandstone 14x10x4 ins 10 ins in the ground for angle cor marked L.L.T.C on South face and raised a mound of stone 2 ft base 1½ ft high S of cor. Pits impracticable.

N 88° E 5.00 chs.

At 0.20 Fence bears N 75 E and S 75 W.
At 1.50 ditch drains S.W.

Meanders of P.L.C. T-5 N - R 4 E

Meanders of Lyon & Doone's
Private Land Claim.

at 3.00 chs same ditch chains S.W.
At 4.40 " Fence bears N.W. and S.E.
At 4.60 " Wagon road bears N.W. and E
5.00 chs To end of course.
Set a sandstone 12x8x6 ins
8 ins in the ground for 1 mile
cor marked 4 L.T. 1 M on
South face and raised a
mound of stone 2 ft base
1½ ft high South of cor.
Pits impracticable.
Land mountainous and rolling.
Soil gravel and loam.
2nd and 3rd rate.
No timber.
Mountainous land on 45.00 chs.
Rolling land on 35.00 chs.

Sept 12 1899 At the above 1 mile cor
we set off 41°08'N on the lat arc 4°08'N.
on the decl arc and determine a true
meridian with the solar at 8h 00m a.m. fwt.
Thence we continue meanders in
secs 3 4
N 88° E 22.09 chs.
At 3.00 chs wagon road bears S.W. and N.E.
At 3.30 " Ditch chains S.W.
At 3.40 " Fence bears S.W. and N.E.
Enters field.
At 20.60 " Ditch chains N.W.
22.09 to end of course.
Intersect line bet secs 34 and
35 17.53 chs S 0 02' E of cor
of secs 26, 27, 34 and 35
Set a granite stone 18x12
x6 ins 12 ins in the ground

Meanders of P.L.C T5N-R4E.

Meanders of Lyon L Toone's Private Land Claim.

for angle and closing cor marked C.C. on N and LLT L on S.W. face and raised a mound of stone 2 ft base 1½ ft high S.W. of cor.
Pits impracticable.

S0° 02'E 12.00 chs.

Descend gently.
At 0.75 chs Ditch drains west.
12.00 chs To end of course.
On line bet secs 34 and 35 at N 0 02' W. 10.67 chs from ¼ sec cor.
Set a boulder 14×10×6 ins 10 ins in the ground for angle and closing cor marked C.C. on S and L.L.T. L on N.W. faces and raised a mound of stone 2 ft base 1½ ft high N.W. of cor. Pits impracticable.

S88°00'W 16.00 chs.

Along N side of Fort Creek.
At 5.50 chs. Ditch drains N.W.
At 5.91 chs set a sandstone 12×8×6 ins 8 ins in the ground for 1½ mile cor marked L.L.T. 1½ M on N face and raised a mound of stone 2 ft base 1½ ft high N of cor.
Pits impracticable.
16.00 chs. To end of course.
Set a boulder 14×10×6 ins 10 ins in the ground for angle cor marked L.L.T. L on N.W. face and

Meanders P.L.C. T 5 N - R 4 E.

Meanders of L.L. Torres Private Land Claim.

raised a mound of stone 2 ft base 1½ ft high N.W. of cor. Pits impracticable.

S 61° 30' W. 17.10 chs.

At 3.00 chs Dilot drains N.W. enters field.
At 16.00 chs leave field.
17.10 chs To end of course.
Set a boulder 13 x 8 x 6 ins 9 ins in the ground for angle cor. marked L.L.T. L on N.W. face and raised a mound of stone 2 ft base 1½ ft high N.W. of cor.
Pits impracticable.

S 28° 33' W. 12.81 chs.

Over bottom land through scattering cottonwood.
At 11.00 chs Lost creek 40 lks wide drains S.W.
At 12.00 leave bottom land and cottonwood ascend.
12.81. To end of course.
Set a sandstone 15 x 10 x 3 ins 10 ins in the ground for 2 mile cor marked LLT 2 N on N.W. face and raised a mound of stone 2 ft base 1½ ft high N.W. of cor. Pits impracticable

Land mountainous and rolling.
Soil loam and gravel.
2nd and 3rd rate.
Timber scattering cottonwood on 12.00 chs
Rolling land on 67.19 chs.
Mountainous land or land covered with dense undergrowth on 12.81 chs.

Meanders P.L.C T5N - R4E.

Meanders of Lyon L Toones
Private Land Claim.

From 2 mile cor. m run
S28°33'W 11.19 chs. To end of course.
Set a sandstone 18 x 10 x 4 ins
12 ins in the ground for
angle cor marked L.L.T. L
on N.W. face and raised
a mound of stone 2 ft
base 1½ ft high N.W. of
cor. Pits impracticable.

S 21°00'W 14.78 chs.
Along left bank of Lost
Creek through dense sage
brush.
To end of course.
Set a sandstone 18 x 14 x 5
ins 12 ins in the ground
for angle cor marked
L.L.T. L on N.W. face
and raised a mound of
stone 2 ft base 1½ ft
high N.W. of cor.
Pits impracticable.

S 46°30' W 10.16 chs.
Descend abruptly.
At 3.00 chs. Lost creek 50 lks
wide drains S and S.W.
Enters cottonwood and
willows.
10.16 To end of course.
Intersect 1st Standard
Parallel north 15.09 chs
N 49°55' W of ¼ sec cor
on S Bdy of sec 34
Set a boulder 14 x 8 x 6 ins
9 ins in the ground for
angle and closing cor.
marked C.C. on E and
L.L.T. L on N faces.

Meanders P.L.C. T 5 N - R 4 E.

Meanders of Lyon & Toone's Private Land Claim.

and since 2½ mile cor will fall in swamp and can not be set we also mark this cor W.C. 2½ M on N face and raised a mound of stone 2 ft base 1½ ft high N of cor. Pits impracticable

N 89° 55' W 10.89 chs.

Through dense willows.
at 3.00 chs Enter swamp and old beaver dams.
at 8.00 chs leave swamp.
at 10.00 chs leave willows.
10.89 chs To end of course
the 1st standard Parallel north at S 89° 55' E 14.12 chs from cor of secs 33 and 34
Set a boulder 16 x 10 x 8 ins 11 ins in the ground for angle and closing cor marked C.P. on W and L.L.T. on N.E. faces and raised a mound of stone 2 ft base 1½ ft high N.E. of cor.
Pits impracticable.

N 39° 01' W 22.01 chs.

Leave bottom land through cottonwood ascend.
at 11.00 " wagon road bears S.W. and N.E. leave timber
22.01 " To end of course.
Intersect line bet secs 33 and 34 17.02 chs N 0.02' W of cor of secs 33 and 34.
Set a boulder 15 x 8 x 5 ins 10 ins in the ground for angle and closing cor. marked C.C. on S and

Meanders P.L.C. T. 5 N – R 4 E.

Meanders of Lyon & Toone's Private Land Claim.

L.L.T. on E faces and raised a mound of stone 2 ft base 1½ ft high E of cor. Pits impracticable.

N 0° 02' W 2.48 chs.

At 2.00 chs ditch drains S 70° E.

2.48 chs. to end of course and place of beginning.

Land mountainous and rolling.
Soil loam and gravel.
2nd and 3rd rate.
Timber cottonwood on 29.05 chs.
Mountainous land or dense under-growth on 71.51 chs.
Total area of claim is 160.00 acres.

General Description.

This claim encloses nearly all of the available land suitable for agricultural purposes in sec 34 and is situated in Post Creek Bottom extending from N.E. to S.W. The land consists of gravel and loam and may be classed as 2nd and 3rd rate. About 120 acres is under cultivation raising hay, grain and vegetables for home use.

There is a good supply of cotton-wood timber situated with in the boundaries of the claim.

The claimant resides in a house located at the southwestern end of the claim where corrals, barns and other buildings have been built.

Meanders of P.L.C T 5 N - R 4 E.

Meanders of Chas J. Toones
Private Land Claim.

Chas J Toone having filed his claim and proofs of his 20 years adverse possession of a tract of land in sec 24 T 5 N - R 4 E, we, in accordance with special instructions proceed to locate and meander the claim as follows:-

Begin at a point 10 lks S 89° 53' E of 1/4 sec cor bet secs 24 and 25 heretofore described where we set a boulder 18 x 14 x 8 ins 12 ins in the ground for beginning corner marked C.J.T. BEG COR on N face and raised a mound of stone 2 ft base 1½ ft high N of cor.

Pits impracticable.

Sept 12 1899 At this cor we set off 41° 09' N on the lat arc 4° 00' N on the decl arc and at 4h 00m p.m. l.m.t. determine a true meridian with the solar.

Thence we run with meanders in sec 24.

N 89° 53' W 31.00 chs

at 0.10 chs intersect 1/4 sec cor bet secs 24 and 25.
At 3.00 chs ascend.
at 7.10 chs wire fence bears N.E. and S.W.
at 8.00 " Top of spur projects N.E. Descend.
at 16.00 " wagon road bears S 60 W and N 60 E.
at 16.75 " Fence bears same.
Enter

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Meanders of P.L.C. T 5 N - R 4 E.

Meanders of Chas J. Toomes
Private Land Claim.

at 26.50 Lost Creek 50 lks
wide drains S.W. Lean-field
31.00 chs To end of course.
Set a boulder 16 x 12 x 8 ins
11 ins in the ground for
angle and closing cor
marked C.C. on west and
C.J.T. on N.E. faces and
raised a mound of stone
2 ft base 1½ ft high N.E.
of cor. Pits impracticable.

N 28° 07' E 16.00 chs.

at 4.20 Irrigation ditch
drains S.W.
at 9.00 chs Set a sandstone
16 x 12 x 4 ins 11 ins in the
ground for ½ mile cor in
½ M on S.E. face and
raised a mound of stone
2 ft base 1½ ft high S.E. of
cor. Pits impracticable.
16.00 chs. To end of course.
Set a limestone 18 x 16 x 8 ins
12 ins in the ground for
angle cor marked C.J.T.
on S.E. face and raised
a mound of stone 2 ft
base 1½ ft high S.E. of cor.
Pits impracticable.

N 55° 07' E 20.00 chs.

Along foot hills through
dense sage brush.
at 13.00 chs. mouth of gulch
drains S 15° E. Ground
along S slope.
20.00 chs To end of course.
Set a boulder 14 x 10 x 6 ins
10 ins in the ground for

Meanders of P.L.C T 5 N - R 4 E.

Meanders of Chas J Jones.
Private Land Claim.

angle cor marked
C.J.T.L on S.E. face
and raised a mound of
stone 2 ft base 1½ ft
high S.E. of cor. Pits.
impracticable.

N 76°30' E 13.00 chs.

at 5.00 chs irrigation
ditch drains west.
13.00 chs To end of course.
Set a sandstone 16 x 4 x
12 ins 11 ins in the ground
for 1 mile cor marked
C.J.T 1 M on S.E. face
and raised a mound of
stone 2 ft base 1½ ft
high S.E. of cor. Pits
impracticable.

Land mountainous and rolling.
Soil gravel and drain.
2nd and 3rd rate
No timber.
Mountainous land on 70.25 chs.
Rolling land on 9.75 chs.

From 1 mile cor on continue
with meanders in sec 24

N 76°30' E 5.35 chs.

at 3.00 chs Enter dense
willows.
5.35 chs To end of course.
Set a boulder 14 x 10 x 8
ins 10 ins in the ground
for angle cor marked
C.J.T.L on S.E. face and
raised a mound stone

Meanders of P. L. C T5N-R4E.

Meanders of Chas J. Toones.
Private Land Claim.

2 ft base 1½ ft high S.W. of cor. Pits impracticable.

S0°07'W 14.10 chs.

At 0.60 chs wagon road bears N80°E and S80°W. Lean willows.
At 0.70 chs Fence bears E and W. Enter field.
At 8.50 Lost creek 50 lks wide drains N.W. ascend gradually. Lean field.
At 9.90 chs wagon road bears N20°W and S20°E
At 10.50 chs Fence bears same.
At 13.40 Fence bears N75°E and S75°W
At 13.60 Road bears same.
14.10 chs to end of course.
Set a boulder 14 x 10 x 4 ins 10 ins in the ground for angle cor marked C.J.T L on S.W. face and raised a mound of stone 2 ft base 1½ ft high S.W. of cor.
Pits impracticable.

S89°53'E 29.01 chs. ascend through dense sage brush.
At 20.55 chs. Set a sandstone 18 x 12 x 4 ins 12 ins in the ground for 1½ mile cor marked C.J.T 1½ M on S face and raised a mound of stone 2 ft base 1½ ft high S of cor. Pits impr
29.01 To end of course.
Intersect East boundary of Tp 15.90 chs north of cor of secs 19, 24, 25 and 30

Meanders of P.L.C. T 5 N - R 4 E.

Meanders of Chas J Towne
Burale Land Claim.

heretofore described
Set a sandstone 18x10x6
ins 12 ins in the ground
for angle and closing cor
marked C.C. on N and
C.J.T L on S.W. faces and
raised a mound of stone
2 ft base 1½ ft high
S.W. of cor. Pits impracticable.

South 15.90 chs

ascend.
At 9.60 Top of spur projects westerly.
15.90 To end of course.
Intersect cor of secs 19, 24
25 and 30 which is a
sandstone 13x7x6 ins
above ground marked and
witnessed as heretofore
described. We mark
same for angle and
closing cor as follows.
C.C. on S, C.J.T. L on
N.W. faces and raised
a mound of stone 2 ft base
1½ ft high N.W. of cor.
Pits impracticable.

S 9° 53' W 15.64 chs

Descend along S slope
of spur.
15.64 chs To end of course
Set a sandstone 16x8x4
ins 11 ins in the ground
for 2 mile cor marked
C.J.T 2 M on north face
and raised a mound of
stone 2 ft base 1½ ft

Meanders P.L.C. T 5 N - R. 4 E.

Meanders of Chas. J Toones
Private Land Claim.

high N of cor. Pits
impracticable.
Land mountainous.
Soil loam and gravel.
No timber.
Mountainous land or land
covered with dense undergrowth on
8000 chs.

From 2 mile cor we continue
with meanders along S bdy of sec
24.
N 89°53' W 24.12 chs. Descend..
at 18.12 chs Enter bottom
of Toone canon drains N.W.
Also wagon road bears
N 30° W and S 30 E.
at 18.32 chs. wire fence
bears N.W. and S.E.
at 18.86 chs Creek 4 lbs wide
drains N.W.
24.12 To end of course
and place of beginning.
Land mountainous.
Soil gravelly 3rd rate.
No timber.
Mountainous land on 24.12 chs.
Total area of claim = 133.70 acs.

General Description
This claim is situated in Lost
Creek Canon at the mouth of
Toone canon.
The claim is well watered by
a small creek flowing from

Meanders P.L.C. T 5 N - R 4 E.

There exists which is utilized for irrigation purposes by the claimant. The soil consists of gravel and loam and about 60 acres under cultivation raising grain and lucerne. The claimant has a house and other buildings near the center of the claim.
There is some scattering cottonwood timber along the banks of Lost Creek.

Meanders P.L.C. T 5 N - R 4 E.

meanders of William H. Toone's Private Land Claim.

William H. Toone having filed his claim and proofs of his 20 years adverse possession of a tract of land in sec 24 T5N R4E and sec 19 T5N R5E, we, in accordance with special instructions proceeds to locate and meander the claim as follows.

Beginning at a point 15.90 chs north of cor of secs 19, 24, 25 and 30 on E bdy of T5N R4E, identical with N.E. cor of Chas J Toones private land claim, the same being a a sandstone 10x6x6 ins above ground. Marked same W.H.T. BEG COR on N.W. face for beginning cor and raised a mound of stone 2 ft base 1½ ft high N.W. of cor. Pits impracticable. We destroy closing cor marks previously placed upon cor when meandering Chas J Toones claim.

Thence we run with meander in sec 24.

N 89° 53' W 29.01 chs along north slope. Ground at 8.46 chs 1½ mile in of Chas J. Toones Private Land claim.

To end of course.

Identical with angle cor of Chas J Toones private land claim.

a boulder 10x4x4 ins above ground.

Marked same W.H.T. L on N.E. face for angle cor and raised a mound of stone 2 ft base 1½ ft high N.E. of cor. Pits impracticable

N 0° 07' E 14.10 chs.

Meanders P.L.C. T5N - R4E.

Meanders of William H Toone's Private Land Claim.

At 0.50 chs wagon road bears N 75°E and S 75°W.
At 0.70 chs Fence bears same.
At 3.60 " Fence bears N 20°W and S 20°E
At 4.20 chs wagon road bears N 20W and S 20°E
At 5.60 chs Lost Creek 50 lks wide drains N.W. enters field
At 10.99 chs. Set a boulder 16 x 10 x 10 ins 11 ins in the ground for ½ mile cor marked W.H.T. ½ M on E face and raised a mound of stone 2 ft base 1½ ft high E of cor. Pits impracticable.
At 13.40 chs. Fence bears N 80 E and S 80 W.
Leave field.
At 13.50 chs wagon road bears N.E. and S.W.
14.10 chs. To end of course Identical with angle cor of Chas J. Toone's Private Land Claim which is a boulder 10 x 8 x 4 ins above ground. Marked same W.H.T ½ on S.E. face and raised a mound of stone 2 ft base 1½ ft high S.E. of cor. Pits impracticable.

N 37°00'E 29.00 chs. Ascend.

At 3.00 chs Irrigation ditch drains N.W. thence along ditch.
At 19.80 chs. leave ditch drains South

3 79

Meanders of P.L.C. T5N-R4E.

Meanders of William H Toones
Private Land Claim

29.00 chs. To end of course.
Set a boulder 14×12×6 ins
10 ins in the ground for
angle cor marked W.H.T.L
on S face and raised a
mound of stone 2 ft base
1½ ft high S of cor. Pits
impracticable.
From this cor W.H. Toones
cabin bears S 51°40'E.

N 77°30'E 7.89 chs.

Descend.
To end of course.
Set a boulder 16×12×4 ins
11 ins in the ground for
1 mile cor marked W.H.T
1 M on S face and raised
a mound of stone 2 ft
base 1½ ft high S of
cor. Pits impracticable
From cor N.E. cor of
corral and stack yard
bears S 00'W 2.54 chs dist.

Land mountainous and rolling.
Soil gravel and loam.
2nd and 3rd rate.
No timber.
Mountainous land on 72.20 chs.
Rolling land on 7.80 chs.

Sept-13-1899 at above mile cor
in set off 41°09'N on the lat arc
3°44'N on decl arc and at 8h 00m a.m. l.m.t.
l.m.t. determine a true meridian with
the solar

Meanders of P.L.C. T 5 N - R 4 E.

Meanders of William H Barnes
Private Land Claim.

Thence we run with meanders in
sec. 24.
N 77° 30' E 3.91 chs

At 1.10 chs mouth of gulley
drains south.
At 2.00 Top of small spur
projects south.
3.91 chs to end of course.
Intersect E bdy of Tp 5 N
R 4 E at North 15.85 chs
from 1/4 sec cor on E bdy
of sec 24.
Set a boulder 18 x 10 x 6 ins
12 ins in the ground for
angle and closing cor marked
C.C. on N W.H.T. L on SW
faces and raised a mound
of stone 2 ft base 1½ ft
high S.W. of cor.
Pits impracticable.

Thence we run with meanders
in sec 19 T 5 N - R 5 E.
N 88° 30' E 20.00 chs.

Ground along foot hills.
To end of course.
Set a boulder 14 x 10 x 6 ins
10 ins in the ground for angle
cor marked W.H.T. L on
South face and raised a
mound of stone 2 ft base
1½ ft high S of cor.
Pits impracticable.

N 61° 30' E 15.00 chs.

Along foot hills
To end of course.
Set a boulder 18 x 14 x 8 ins
12 ins in the

Meanders of P. L. C T. 5 N - R 5 E.

Meanders of William H. Torres Private Land Claim.

angle cor marked W.H.T. L on S face and raised a mound of stone 2 ft base 1½ ft high S of cor. Pits impracticable.

S 86° E 7.00 chs.

At 1.09 chs set a boulder 14 x 10 x 6 ins 10 ins in the ground for 1/4 mile cor marked W.H.T. 1/4 M on S.W. face and raised a mound of stone 2 ft base 1½ ft high S.W. of cor. Pits impracticable.

at 6.70 wagon road bears N 85° W and S 85° E.

7.00 chs To end of course.

Set a boulder 14 x 10 x 4 ins 10 ins in the ground for angle cor marked W.H.T. L on S W face and raised a mound of stone 2 ft base 1½ ft high S.W. of cor Pits impracticable.

From this cor down for furnishing water to irrigation ditch bears S 45° W 2.00 ch dist.

South 16.90 chs.

at 0.25 chs enter dense brush.

at 1.30 East creek 50 lks wide chains N 80° W

at 12.50 leave willows. course

16.90 To end of course set a sandstone 18 x 12 x 4 ins 12 ins in the ground for angle cor. marked W.H.T. L on N.W. face and raised a mound of stone 2 ft base 1½ ft high N.W. of cor.

Meanders of P.L.C. T 5 N - R 5 E

Meanders of Wm H Downes
Private Land Claim.

Pits impracticable

S 76° 0' W 17.19 chs

along north slope through
sage brush. ascending.
To end of course.
Set a sandstone 18 x 12 x 4
ins 12 ins in the ground
for 2 mile cor marked
W.H.T. 2 M on N face
and raised a mound
of stone 2 ft base 1½
ft high N of cor. Pits.
impracticable.

Land mountainous.
Soil gravelly and rude.
No timber.
Mountainous land or land
covered with dense undergrowth
on 8000 chs.

From 2 mile cor on continue
with meanders in sec 19.

S 76° 0' W 24.37 chs.

At 10.00 chs descend along
N slope.
at 20.00 chs Enter Lost Creek
bottom.
24.37 chs To end of course.
Intersect W bdy of Tp 5 N
R 5 E at 3.84 chs S of
1/4 sec cor bet secs 19 and 24.
set a boulder 16 x 12 x 10 ins
11 ins in the ground for
angle and closing cor
marked C.C. on S and
W H T on N W.

Meanders P.L.C. T 5 N R 5 E.

Meanders of Mrs A. Towne's
Private Land Claim

and raised a mound
of stone 2 ft base 1½ ft.
high N.W. of cor. Pits
impracticable.

South 20.26 chs.

Ascend steep north slope.
at 15.63 chs. Set a sandstone
16 x 12 x 10 ins 11 ins in the
ground for 2½ mile cor
marked W.H.T. 2½ M on
W face and raised a
mound of stone 2 ft base
1½ ft high W of cor.
Pits impracticable.
Ascend.
20.26 chs to end of course
and place of beginning.

Land mountainous.
Soil gravelly 2nd rate.
No timber.
Mountainous land on 4.63 chs.
Total area of this claim is 159.74 acs.

General Description.

This claim is situated in the bottom of Lost Creek canon and encloses all of the available agricultural land in that portion of the township. The soil consists of loam and gravel about 120 acres being under cultivation raising an abundance of hay and grain.

The land is well watered by an irrigation ditch taken from Lost Creek near the eastern end of the claim.

Meanders P.L.C T 5 N - R 5 E

A cabin and corral are situated near the center of the claim in Sec 24 T 5 N R 4 E.
There is no timber on the claim

Frank E Baxter.
David H Blossom
U.S. Dep Surveyors

Volume
#
R0261

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PAGE

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by ..... United States Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the survey of .....

.....

showing the respective capacities in which they acted:

....., *Chainman.*

....., *Chainman.*

....., *Moundman.*

....., *Moundman.*

....., *Axman.*

....., *Axman.*

....., *Flagman.*

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted ..... United States Deputy Surveyor, in surveying all those parts or portions of the ..... of the ..... meridian, ... of ....., which are represented in the foregoing field notes as having been surveyed by him and under his direction; and that said survey has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the corner monuments established, according to the instructions furnished by the United States Surveyor General for .....

....., *Chainman.*

....., *Chainman.*

....., *Moundman.*

....., *Moundman.*

....., *Axman.*

....., *Axman.*

....., *Flagman.*

.....

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

SEAL

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pages 390 and 391 on block.

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, ..., United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from ..... United States Surveyor General for ....., bearing date of the ..... day of ....., 189 , I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for ....., the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of .....

.....

.....

.....

..... of the ..... meridian, in the ..... of ....., which are represented in the foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for ..... and in the specific manner described in the field notes, and that the foregoing are the original 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.

.....

United States Deputy Surveyor

Subscribed by said ....., and sworn to before me this ..... day of ....., 189

.....

SEAL

.....

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, October 8th 1900, ~~189~~

The foregoing field notes of the survey of the subdivisions of Township 5 N. Range 4 East of the Salt Lake Base & Meridian and of the Private Land Claims contained therein

.....

.....

.....

executed by Frank E. Baxter and David H. Blossom under ~~his~~ contract No. 223, dated January 21st 1899, ~~189~~, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Jacob B. Blair

United States 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.

.....

United States Surveyor General

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Z 17"
4—679.

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BOOK A-261

K.J.B.

FIELD NOTES

OF THE SURVEY OF THE

West and North Boundary

of

T6N-R4E

Of the Salt Lake Base and Meridian,

State of Utah

AS SURVEYED BY

Frank E. Baxter and David H. Blossom United States Deputy Surveyors

Under ~~his~~ their Contract No. 223, dated January 21st, 1899

Survey commenced September 14th, 1899

Survey completed September 17th, 1899

6—151

W- Bdry- high M. Chs. lks-
6-09-70 ✓
N- " high 5-61-08 ✓

BOOK A-51

NAMES AND DUTIES OF ASSISTANTS.

J. W. Chase	Chainman
J. W. Dougall	Chainman
Dorsey Herr	Chainman
Austin Roylance	Chainman
Joseph Bagley	Rodman
Leonard Diamond	Rodman
Leonard Diamond	Axman
Thos S. Roylance	Axman
Harry Rager	Flag
Chas C. Friel	Flag
For preliminary affidavits see book "K"	

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BOOK A-261

INDEX DIAGRAM.

Township....., *Range*.....

6	5	4	3	2	1
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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, ... and .....
do solemnly swear that we will well and faithfully execute the duties of chainmen; 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 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 o

.....

....., *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 establishmen of corners, according to the instructions given us, to the best of our skill and ability, in the survey o

.....

....., *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 corne and other duties, according to instructions given us, to the best of our skill and ability, in the survey o

.....

....., *Axman*

....., *Axman*

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

.....

SEAL

.....

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

....., *Flagma*

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

.....

SEAL

.....

West bdy T 6 N - R 4 E.

Survey commenced Sept. 14. 1899 and executed with two W and S.E. Gurley light mountain transits with solar attachments for a description of which see book Z 14

We examine the adjustments of the transits and correct the level and collimation errors: then to test the solar apparatus by comparing their indications made during A.M. and P.M. hours with a true meridian determined by observations on Polaris we proceed as follows.

At the cor. of Tps. 5 and 6 N. Rs. 3 and 4 E. latitude 41° 12' N. longitude 111° 33' W we set off 41° 12' N. on the lat. arc. 3° 14' N. on the decl arc. and at 3h 00m P.M. l.m.t. determine with the solar of one instrument a true meridian and mark a point thereof on a plug firmly driven in the ground 5.00 chs. N. of cor.

With the second instrument placed over the same initial point we set off 41° 12' N. on the lat. arc 3° 14' N. on the decl. arc and at 3h 10m P.M. l.m.t. determine with the solar a true meridian and mark a point thereof on the plug already driven in the ground 5.00 chs. N. of cor. This point falls 0.1 in. E. of that of the first instrument.

Sept. 14 1899 At 7h 52m p.m. l.m.t. we observe Polaris at eastern elongation with the first instrument in accordance with the manual of instructions and mark a point thus determined on a plug driven in the ground 5.00 chs. N. of our station

14 1899

West bdy of T6N-R4E.

Sept-15-1899

At 6h 00m A.M. l.m.t. we lay off the azimuth of Polaris 1°38' to the W and and mark the true meridian thus determined with the first instrument by a tack driven in the stake set Sept. 14. on which the true meridian falls 0.15 ins. E. of the mark determined by the solar of the first instrument and 0.05 ins. E. of that of the second instrument.

At 8h 00m A.M. l.m.t. we set off 41°12' N. on the lat. arc, 2°59' N. on the decl. arc of the first instrument and mark a point on the true meridian thus determined with the solar by a pencil mark on the stake already set 5.00 chs. N. of our station, this mark falls .15 ins East of the true meridian established by the Polaris observation.

At 8h 10m A.M. l.m.t. we set off 41°12' N. on the lat. arc 2°59' N. on the decl. arc of the second instrument and mark a point in the true meridian thus determined with the solar by a notch in the stake already set 5.00 chs. N. of our station; this mark falls 0.1 ins. E. of the true meridian established by the Polaris observation.

The solar apparatus by P.M. and A.M. observations defines position for true meridian respectively about 0'8" W. and 0'8" E. of the true meridian established by the Polaris observation of the first instrument and 0'3" W and 0'5" E. of the same with the second instrument, therefore we conclude that the adjustments are satisfactory.

The magnetic bearing of the true meridian at 8h 30m A.M. l.m.t. is N 17°18' W. the angle thus determined reduced by the table page 100 gives the mean mag. decl. 17°15' E.

West bdy. T6 N. R 4 E.

chs.	
	We begin at the cor. of Tps. 5 and 6 N. Rs. 3 and 4 E. heretofore described
	Thence we run
	North bet. secs. 31 and 36
	Descending.
4.00	Leave timber
29.00	Enter timber
40.00	Set a sand stone 16x9x6 ins. 11 ins. in ground for 1/4 sec. cor. marked 1/4 on N. face from which An aspen 5 ins. diam. bears N 41½° W. 23 lks. dist. marked 1/4 S. 36 B.T.
	An aspen 6 ins. diam. bears S 51° E. 14 lks. dist. marked 1/4 S. 31 B.T. Ascend.
48.00	Top of low ridge bears E and W. Descend
72.00	Leave timber.
80.00	Set a boulder 18x9x6 ins. 12 ins. in ground for cor. of secs. 25, 30, 31 and 36. marked with 1 notch on S. and 5 notches on N. edges. and raised mound stone 2 ft. base 1½ ft. high W. of cor. Pits impracticable.
	Land mountainous
	Soil stony 3rd rate
	Timber on 47.00 chs.
	Mountainous land 80.00 chs.

	North bet. secs. 25 and 30.
	Ascend gently
40.00	Set a boulder 16x8x6 ins. 11 ins. in ground for 1/4 sec. cor. marked 1/4 on W. face. and raised mound stone 2 ft. base 1½ ft. high W. of cor. Pits impracticable.
	Descend
43.00	Swale drains W.
	Ascend.
56.25	Enter scrub aspens
58.00	Top of spur projects S 60° E.
	Descend
60.25	Leave scrub aspens

West bdy. T6. N. R 4 E. Continued

Chs.	
69.00	Swale drains S.W.
	Ascend.
80.00	Set a boulder 16x8x6 ins. 11 ins. in ground for cor. of secs. 19. 24. 25 and 30. Marked with 2 notches on S. and 4 notches on N. edges. and raised mound of stone 2 ft. base 1½ ft. high W. of cor: Pits impracticable.
	Land mountainous.
	Soil stony 3rd rate.
	Timber scrub aspens on 4.00 chs.
	Mountainous land and undergrowth 80.00 chs
	North bet. secs. 19 and 24
	Ascend.
21.00	Wagon road bears E and W.
26.20	Top of ridge or summit bears E and W.
	Descend
35.00	Enter pine and aspen timber.
40.00	Set a boulder 14x12x8 ins. 9 ins in ground for ¼ sec. cor. marked ¼ on W. face from which
	An aspen 8 ins. diam. bears S 21° W. 30 lks. dist. marked ¼ S. 24 B.T.
	An aspen 9 ins. diam. bears. S 55° E. 10 lks. dist. marked ¼ S. 19 B.T.
59.00	Bottom of ravine bears N 10° W.
	Ascend. Leave pine and aspen timber.
62.00	Spur projects N 20° W.
	Descend
71.20	Ravine drains N 10° E.
	Ascend.
80.00	Set a boulder 17x11x9 ins. 11 ins. in ground for cor. of secs. 13. 18. 19 and 24 marked with 3 notches on N and S. edges and raised mound stone 2 ft. base 1½ ft. high. W. of cor. Pits impracticable.

West bdy. T. 6 N. R. 4 E. Continued.

chs.	
	Land mountainous Soil gravelly 3rd rate Timber pine and aspen on 24.00 chs. Mountainous land 80.00 chs. Sept. 13, 1899: At this cor. we set off 2° 54' N on the decl. arc and at 12h 00m M. L.M.T. observed the sun on the meridian the resulting lat. is 41° 15' N.
	North bdy. sec. 13 and 18.
6.00	Bottom of gully drains N.E. Ascend
11.00	Top of spur projects N.E. Descend.
29.00	Small hollow drains E. Ascend
31.00	End of spur projects E. Descend.
40.00	Bottom of swale drains N.W.
	Set a boulder 14 x 13 x 7 ins. 14 ins. in ground for W. sec. cor. marked W on N. face, from which A cottonwood 8 ins. diam. bears N 17½ W. 25 lks. dist. marked W 8 13 B.T. A cottonwood 8 ins. diam. bears N 39 E. 32 lks. dist. marked W 8. 18 B.T.
43.00	Enter cottonwood, Ascend
63.00	Top of spur projects N.W.
71.20	Enter scrub aspens
	Descend
80.00	Set a boulder 13 x 6 x 8 ins. 9 ins. in ground for cor. of sec. 7, 12, 13 and 18. marked with 2 notches on N. and 4 notches on S. Edges, and raised mound stone 2 ft. base 1½ ft. high N. of cor. Pits impracticable. Land mountainous Soil gravelly 3rd rate Timber cottonwood 3.00 chs. Scrub aspen 9.80 chs. Mountainous land 80.00 chs.

West bdy. T6 N. R 4 E. continued

Chs.	
	North bet. secs. 7 and 12.
	Descend
1.20	Hollow drains N.
4.00	Low spur projects N.
8.00	Leave scrub aspens
11.00	Hollow drains N.
15.00	Spur projects N. Descend
18.00	Draw drains N. Ascend
34.00	Top of ridge bears N. 10° W and S 10° E.
38.50	Enter aspens bear N.W. and S.E.
40.00	Set a boulder 12 x 8 x 6 ins. 8 ins in ground for 1/4 sec. cor. marked 1/4 on N. face, from which
	An aspen 5 ins. diam. bears S 79° E. 48 lks. dist. marked 1/4 S. 7 B.T.
	An aspen 4 ins. diam. bears. S 15° W. 43 lks. dist. marked 1/4 S 12 B.T.
43.00	Hollow drains E. Ascend
46.00	Leave aspen timber.
50.00	Spur slopes E.
59.50	Top of ridge bears N.E. and S.W.
78.00	Enter scrub aspen and denser underbrush Descend.
80.0.0	Set a sand stone 16 X 12 x 6 ins. 11 ins. in ground for cor. of secs. 1. 6. 7 and 12. marked with 1 notch on N. and 5 notches on S edges. from which
	An aspen 5 ins. diam. bears N 56½ E. 46 lks. dist. marked T6 N. R. 4 E. S 6 B.T.
	An aspen 6 ins. diam. bears S 79° E. 34 lks. dist. marked T6 N. R 4 E. S 7 B.T.
	also raised mound stone 2 ft. base 1½ ft high N. of cor. Pits impracticable.
	Land Mountainous
	Soil stony 3rd rate
	Timber aspen 15.20 chs.
	Mountainous land and undergrowth 80.0 chs.

West bdy. T6.N.R4E. Continued.

Chs.	
	North bet secs. 1 and 6
	Descend
11.00	Leave aspen
15.00	Gully drains N.E. Ascend
25.50	Top of spur projects N.E.
	Descend abruptly
27.00	Enter scattering pines
33.00	Bottom of main canon also creek 15 lks. wide drains N 80° W.
	Ascend abruptly. Leave pine.
40.00	Set a lime stone 16 X 10 X 6 ins. 11 ins. in ground for 1/4 sec. cor. marked 1/4 on W. face: and raised mound stone 2 ft. base 1 1/2 ft. high W. of cor. Pits impracticable:
	Ascend through oak brush
62.20	Head of draw drains S. W.
	Ascend
80.00	Set temp cor for Tps 6 and 7 N Rs 3 and 4 E afterwards destroyed.
89.70	Set permanent cor for Tps 6 and 7 N Rs 3 and 4 E for description of which see notes of N bdy of this Tp.
	Land mountainous. Soil gravelly, 3rd rate.
	Timber pine on 6.00 chs.
	Mountainous land on 89.70 chs.

For general description see notes of subdivisions of this township.

North bdy. T6N. R4E.

Chs.	
	Sept. 16, 1899. At 8h 00m A.M. l. gn. t. was set off 41°17' N. on the lat. arc 2°36' N on the decl arc and determine the true meridian with the solar at the cor. of Tps. 6 and 7 N. Rs. 4 and 5 E. heretofore described
	Thence we run
	West on random line along the N. bdy. of T6N. R4E. setting temp. 1/4 sec and sec. cors. at intervals of 40.00 chs. and at 41.08 chs. intersect the W. bdy of tp. 9.70 chs. N of the temp. cor. of Tps. 6 and 7 N. Rs. 3 and 4 E.
	We therefore, destroy temp. cor. and at the point of intersection set a blue lime stone 24x8x6 ins. 18 ins. in ground for Cor. of Tps. 6 and 7 N. Rs. 3 and 4 E. marked 7 N. on N.E. 4 E. on S.E. 6 N. on S.W. and 3 E. on N.W. faces, with 6 notches on each edge, and raised mound stone 2 ft. base 1½ ft. high S. of cor. Pits impracticable.
	Thence we run
	East on true line bet. secs. 6 and 31
	Ascend
21.08	Set a gray granite stone 16x10x9 ins. 11 ins. in ground for 1/4 sec. cor. marked 1/4 on N. face, and raise mound stone 2 ft. base 1½ ft. high N. of cor. Pits impracticable.
44.60	Top of ridge bears N 25° W. and S 25° E
	Descend
50.50	Enter aspen timber
58.50	Leave aspen timber bears. N and S.
61.08	Set a gray quartzite stone 20x12x6 ins. 15 ins. in ground for cor. of secs. 5, 6, 31 and 32. marked with 1 notch on W and 5 notches on E. edges. and raise mound stone 2 ft. base 1½ ft. high W. of cor. Pits impracticable.
	Land mountainous
	Soil sandy loam and stony 2nd and 4th rates
	Timber aspen on 8 chs.
	Mountainous or heavily timbered land 61.08 chs.

North bdy. T6N. R4E. Continued

Chs.	
	Sept. 17. 1899. At 8h 00m A.M. l.m.t. we set off. 41° 17' N. on the lat. arc 2° 13' N. on the decl. arc and determine a true meridian with the solar at the cor. of secs. 5. 6. 31 and 32. Thence we run
	E. bet. secs. 5 and 32
	Descend
4.00	Enter aspen bears N and S.
16.00	Leave aspen bears N and S.
23.00	Enter Aspen timber bears N and S.
35.00	Leave same
40.00	Set a gray sand stone 14x10x10 ins. 9 ins. in ground for 1/4 sec. cor. marked 1/4 on N. face, and raise mound stone 2 ft. base 1½ ft. high N. of cor. Pits impracticable.
51.00	Bottom of ravine drains N 20° W.
	Ascend
76.00	Spur 125 ft. above ravine projects N 30° W. Descend
80.00	Set a blue lime stone 14x10x6 ins. 9 ins. in ground for cor. of secs. 4. 5. 32 and 33. Marked with 2 notches on W and 4 notches on E. edges. and raise mound ston 2 ft. base 1½ ft. high W of cor. Pits impracticable.
	Land mountainous
	Soil gravelly and stony 3rd and 4th rates
	Timber Aspen on 24.00 chs.
	Mountainous land 80.00 chs.

	E. bet. secs. 4 and 33
	Descend
4.00	Ravine 150 ft. below spur drains N.
	Ascend
20.50	Spur projects N. Descend
22.00	Swale drains N. Ascend
29.90	T[illegible] [illegible]ur and lime stone l[illegible]

North bdy. T6N. R4E. Continued

chs.	
	projects N. Descend
32.00	Swale drains N. Ascend
38.00	Spur projects N. Descend
40.00	Set a blue lime stone 14x10x6 ins. 9 ins. in ground for 1/4 sec. cor. Marked 1/4 on N. face, and raised mound stone 2 ft. base 1½ ft. high N. of cor. Pits impracticable.
41.00	Swale drains N. Ascend
44.00	Spur projects N. Descend
48.00	Swale drains N. Ascend
55.00	Spur projects N. Descend
66.00	Draw drains N. Ascend
70.00	Enter aspen timber bears N and S.
80.00	Set a gray granite stone 16x10x8 ins. 11 ins. in ground for cor. of secs. 3, 4, 33 and 34 marked with 3 notches on the E and W. edges, from which An aspen 10 ins. diam. bears N45°E 40 lks. dist. Marked T7N. R4E. S34 B.T. An aspen 6 ins. diam. bears S60°E 100 lks. dist. Marked T6N. R4E. S3 B.T. An aspen 14 ins. diam. bears S20°W. 25 lks. dist. Marked T6N. R4E. S4 B.T. An aspen 14 ins. diam. bears N45°W. 100 lks. dist. Marked T7N. R4E. S33 B.T. Land mountainous Soil sandy loam gravelly and stony 2nd 3rd and 4th rates Aspen timber on 10.00 chs. Mountainous land or heavily timbered 80.00 chs.
	E. bet. secs. 3 and 34 Ascend
24.00	Top of ridge bears N.E. and S.W. Descend gently along S. slope
40.00	Set a gray cobble stone 14x10x7 ins. 9 ins. in

North bdy. T6 N. R. 4 E. Continued

Chs.	
	ground for 1/4 sec. cor. marked 1/4 on N. face from which
	An aspen 13 ins. diam. bears N 15° E. 125 lks. dist. marked 1/4 S. 34 B.T.
	An aspen 13 ins. diam. bears S 30° E. 90 lks. dist. marked 1/4 S 3 B.T.
48.00	Swale drains S 20° E. Ascend
64.00	Spur projects S. Descend
68.00	Leave aspen timber bears N and S.
70.00	Swale drains S. Ascend
76.00	Spur projects S. Descend
80.00	Set a gray sand stone 14 x 10 x 8 ins. 9 ins. in ground for cor. of secs. 2, 3, 34 and 35 - marked with 2 notches on E and 4 notches on W. edges. and raised mound stone 2 ft. base 1½ ft. high W. of cor. Pits impracticable.
	Land mountainous
	Soil gravelly and stony 2nd 3rd and 4th rates.
	Timber Aspen on 68.00 chs.
	Mountainous land or heavily timbered 80.00 chs.

	E. bet. secs. 2 and 35.
	Descend through aspen and pine
8.00	walk drains S. Ascend
24.00	Spur projects S. Descend
32.00	Swale drains S. Ascend
35.00	Spur projects S. Descend abruptly.
40.00	Set a blue lime stone 16 x 10 x 6 ins. 11 ins. ground for 1/4 sec. cor. marked 1/4 on N. from which
	aspen 20 ins. diam. bears N. 100 lks. marked 1/4 S 35 B.T.
	A pine 18 ins. diam. bears S 15° W. 150 lks. marked 1/4 S 2 B.T.
40.50	Bottom ravine drains S 20 W.
	Ascend abruptly on W. slope
70.00	Leave ravine timber and aspen.

North bdy. T6NR4E. Continued

chs	
80.00	Set a cobble stone 18x10x7 ins. 12 ins. in ground for cor. of secs. 1, 2, 35 and 36. Marked with 1 notch on E and 5 notches on N. edges. and raised mound stone 3 ft. base 1½ ft high N. of cor. Pits impracticable
	Land mountainous
	Soil gravelly and stony 2nd 3rd and 4th rates
	Timber pine and aspen on 7000 ac.
	Mountainous land or heavily timbered 8000 chs
	Sept. 17, 1899. At this cor. we set off 2°08' N. on the decl. arc and at 12h 00m 5s M.L.S.T. observe the sun on the meridian, the resulting lat. is 41°17' N.
	E. bet. secs. 1 and 36.
	Nearly level along N. slope
30.00	Enter scattering aspen timber.
	Ascend
35.00	Ravine drains N.W. Ascend
40.00	Set a boulder 12x8x6 ins. 8 ins. in ground for ¼ sec. cor. marked ¼ on N. face, from which
	Arc aspen 10 ins. diam. bears North 80 lks. dist. marked ¼ S.36 B.T.
	An aspen 6 ins. diam. bears S10°W 100 lks. dist. marked ¼ S1 B.T.
42.00	Leave scattering aspen timber bears N and S.
44.00	Top of ridge or divide bet. East Creek and Ogden River drains S. Descend
50.00	Wagon road bears N and S.
54.00	Enter aspens bear N and S.
73.50	Swale drains N60°E. continue descent
77.00	Draw drains S70°E. Ascend gently
80.00	The cor. of Tps. 6 and 7 N. Rs. 4 and 5 E. heretofore described.
	Land mountainous
	Soil sandy and gravelly, loam and stone

North bdy. T6N. R.4E. Continued

chs

2nd 3rd and 4th rates.
Timber Aspen on 12.00 chs.
Mountainous land or heavily timbered 80.00 chs

Sept 17 - 1899

Latitudes. Departures and Closing Errors

Line designated	True Bearing	Dist	Latitudes N	Latitudes S	Departures E	Departures W
W Bdy T6N R4E	North	489.70	489.70			
N Bdy T6N R4E	East	461.08			461.08	
1st G Meridian E	South	488.50		488.50		
S Bdy T6N R4E	S89°55'W	459.90		.67		459.90
Convergency					.63	
			489.70	489.17	461.71	459.90
			489.17		459.90	
Error in Lat.			53	Error in Dep.	1.81	

For general description see notes of subdivisions of this township.

Frank E. Baxter
David H. Blossom
U.S. Dep Surveyors.

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FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by ..... United States Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the survey of .....

.....

showing the respective capacities in which they acted:

....., *Chainman.*

....., *Chainman.*

....., *Moundman.*

....., *Moundman.*

....., *Axman.*

....., *Axman.*

....., *Flagman.*

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted .....

..... United States Deputy Surveyor, in surveying all those parts or portions of the .....

..... of the .....

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

....., *Chainman.*

....., *Chainman.*

....., *Moundman.*

....., *Moundman.*

....., *Axman.*

....., *Axman.*

....., *Flagman.*

.....

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

SEAL.

.....

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FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

[illegible] United States Deputy Surveyor, do [illegible] pursuance of a contract received from [illegible] bearing date of the [illegible] day of [illegible] 189[illegible], I have well, faithfully, and truly, in my own [illegible] in strict conformity with the instructions furnished by the United States Surveyor [illegible], the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of [illegible]

[illegible] of the [illegible] meridian, in the [illegible] of [illegible], which are represented in the [illegible] field notes as having been surveyed by me, and under my direction; and I do further solemnly [illegible] that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for [illegible] and in the specific manner described in the field notes, and that the foregoing are the original 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.

[illegible]

United States Deputy Surveyor.

Subscribed by said [illegible], and sworn to before me this [illegible] day of [illegible], 189[illegible]

SEAL

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

[illegible] Colo. [illegible], 189[illegible]

The foregoing field notes of the survey of [illegible] Boundaries [illegible] Sixth Principal [illegible] of the Sixth Lake [illegible] Meridian, [illegible]

[illegible] David H. Blisson [illegible] dated [illegible], 189[illegible], having been [illegible] corrections and explanations made, the said field notes, and the [illegible] approved.

Jacob B. Bl[illegible]

United States Surveyor General

[illegible] transcript of the field notes of the above-described surveys in [illegible] been correctly copied from the original notes on file in this office.

United States Surveyor General.

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BOOK A-261

FIELD NOTES

OF THE SURVEY OF THE

Subdivisions

of

T6N-R4E

of the Salt Lake Base and Meridian,

State of Utah.

AS SURVEYED BY

[illegible] E. Boyles and David H. Blossom, United States Deputy Surveyors

Under ~~his~~ their Contract No. 823, dated January 21st, 1899

Survey commenced September 15th, 1899

Survey completed September 24th, 1899

[illegible]

NAMES AND DUTIES OF ASSISTANTS.

J. W. Chase	Chainman
J. W. Dougall	Chainman
Dorsey Herr	Chainman
Austin Roylance	Chainman
Joseph Bagley	Monuman
Leonard Diamond	Monuman
Leonard Diamond	Axman
Thos. S. Roylance	Axman
Harry Rogers	Flagman
Chas. C. Friel	"

For preliminary affidavits see book "C"

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BOOK A-261

INDEX DIAGRAM.

Township....., *Range*.....

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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.....

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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 over 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

Subdivision of T.6.N. R4E.

chs.	
	Survey commenced Sept. 18, 1899 and executed with two W. & L. E. Gurley light mountain transit with solar attachments for description of which see book 14 For complete test of solar apparatu see notes of exteriors of this township book. 17
	Sept. 18, 1899 at 8 hr 00 m A. M. l.m.t we set off 41° 12' N. on the lat. arc; 1° 49' N on the decl. arc; and determined a true meridian with the solar at the cor. to secs. 1, 2, 35 & 36 on the S. bdy of the Tp.
	Thence we run
	N 0° 01' W. bet. secs. 35 & 36.
	Through scattering aspens
	Descend
10.00	Bottom of head of draw drains E. Leave aspens. Ascend
17.00	Top of spur projects N. E. Enter aspen. Descend
32.00	Bottom of ravine drains N. E. also spring branch 2 lks. wide. Leave aspens.
40.00	Set a sandstone 14 x 10 x 4 ins. 9 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 inpracticable. Ascend
46.00	Top of spur projects E. Descend
54.00	Enter aspens.
72.00	Bottom of ravine drains S. 80° E. also spring branch 3 lks. wide drains same. Leave aspen. Ascend abruptly
80.00	Top of spur projects S. E.
	Set a sand stone 16 x 12 x 3 ins. 11 ins. in ground, for cor. to secs. 25, 26, 35 & 36. Marked with

Subdivision T.4.N. R.4E. continue.

chs.	
	1 notch 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 Gravelly 3rd & 4th rates Timber scrub aspen on 43.00 chs. Mountainous Land on 80.00 chs.
	N. 89° 55' E. on random line bet. secs. 25 & 36.
40.00	Set Temp. ¼ sec. cor.
79.70	Intersect E. bdy. of Tp. 5 lks. south of cor. to secs. 25 & 36
	Thence we run S. 89° 55' W. on true line bet. secs. 25 & 36. Descend
14.70	Bottom of gully drains S. W. Ascend
27.70	Top of spur projects S. Descend
33.70	Head of draw drains S. W. Ascend
38.65	Top of ridge bears S. W. & N. E. Descend
39.85	Set a sand stone 12 x 8 x 5 ins. 8 ins. in 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
47.75	Enter aspen and leave sage brush. Descend abruptly
63.70	Leave aspen.
67.45	Bottom of Hell canon Creek 8 lks. wide drains S. 15 E. Ascend abruptly
71.70	Ascend gradually
79.70	The cor. to secs. 25, 26, 35 & 36.

Subdivision T. 6 N. R. 4 E. Continued

chs.	
	Land mountainous Soil Stony 3rd rate Timber aspen on 15.90 chs. mountainous land on 79.70 chs.
	N 0° 01' W. bet. secs. 23 & 24.
	Descend gradually.
7.00	Enter scrub aspens.
	Descend abruptly
28.00	Bottom of ravine also spring branch 4 lks. wide drains S. 80° E. Leave aspen Ascend abruptly
40.00	Set a sandstone 16 x 10 x 8 ins. 11 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
41.00	Top of spur projects E.
	Enter aspen. Descend
48.00	Bottom of gulley drains S 80° E. Ascend. Leave aspens.
57.00	Top of spur slopes E.
	Enter aspen Descend
72.00	Bottom of ravine drains S. 80° E. Leave aspen. Ascend.
78.00	Top of spur projects S. 80° E.
	Enter scrub aspen. Descend
80.00	Set a sandstone 18 x 8 x 6 ins. 12 ins. in ground, for cor. to secs. 23, 24, 25 & 26. Marked with 2 notches on S. & 1 notch on E edges, & raised a mound stone 2 ft. base, 1 1/2 ft. high W. of cor. Pits impracticable
	Land mountainous

Subdivision T. 6 N. R. 4 E. Cont

Chs	
	Soil gravelly clay 3rd to 4th rates
	Grazing good
	Timber aspen on 31.00 chs.
	Mountainous land on 80.00 chs.
	N. 89° 53' E. on random line bet secs. 24 & 25, through scrub aspen
40.00	Set Temp. 1/4 sec. cor.
79.85	Intersect E. bdy. of Tp. 5 lks. S. of cor. to secs. 19, 24, 25 & 30.
	Thence we run
	S. 89° 57' W. on true line bet secs. 24 & 25. Ascend gradually
4.85	Top of spur projects N. W.
	Descend
39.92	Set a sandstone 14 x 10 x 9 ins. 9 ins. in ground, for 1/4 sec. cor. Marked 1/4 on N. face from which
	An aspen 4 ins. diam. bears S. 45° W. 22 lks. dist. Marked 1/4 S. 25 B. T.
	An aspen 4 ins. diam. bears N. 20° E. 16 lks. dist. Marked 1/4 S. 24 B. T.
	Enter aspens and dense willows
	Descend abruptly
60.85	Bottom of Hell canon drains S. No water.
	Ascend
67.80	Top of low spur projects S. E.
	Descend
73.85	Small draw drains S. E.
	Ascend
79.85	The cor. to secs. 23, 24, 25 & 26
	Land mountainous
	Soil gravelly 3rd rate
	Timber aspen on 39.93 chs.

Subdivision T.6.N.R.4 E. Continued

chs.	
	mountainous land on 79.80 chs Sept. 18, 1899 at the cor. to secs. 23, 24, 25, & 26, we set off 1°45' N. on the decl. arc: and at 12hs 00ms p.m. l.m.t. observe the sun on the meridian: the resulting lat. is 46°14' N.
	N. 0°01' W. bet. sec. 23 & 24 through scrub aspen. Descend.
4.00	Bottom of small draw drains S.E. Leave aspens. Ascend
15.00	Top of spur projects S. 80° E. Enter aspen Descend
26.00	Bottom of deep ravine drains S. 80° E. Ascend.
35.00	Top of spur slopes E. Descend. through thick aspens.
40.00	Set a sandstone 12 x 7 x 6 ins. 8 ins. in ground, for 1/4 sec. cor. marked 1/4 on W. face, from which Cin aspen 3 ins. diam. bears S. 22° W. 16 lks dist. marked 1/4 S. 23 B.T. Cin aspen 4 ins. diam. bears N. 30° E. 16 lks. dist. marked 1/4 S. 24 B.T.
47.00	Bottom of ravine drains S. 80° E. Leave aspens. Ascend.
55.00	Top of spur slopes E. Enter aspen Descend
72.00	Bottom of deep ravine drains S. 30° E. Leave aspens. Ascend abruptly.
79.00	Top of spur projects S. E.
80.00	Set a sandstone 18 x 14 x 10 ins. 12 ins. in ground for cor. to secs. 13, 14, 23 & 24 marked with 3 notches on S. & 1 notch on E. edges and raised a mound of stone 2 ft. 1½ ft. high W. of cor. Pits impracticable Land mountainous

Subdivision T. 6 N. R. 4 E. Continued

chs	
	Soil gravelly 3rd rate
	Timber aspen on 49.00 chs
	Mountainous land on 80.00 chs
	N. 89° 51' E. on random line bet. secs. 13 & 24.
40.00	Set Temp. 1/4 sec. cor.
79.98	Intersect E. bdy. of Tp. 2 lks S. of cor. to secs. 13, 18, 19 & 24.
	Thence we run
	S. 89° 50' W. on true line bet. secs. 13 & 24. Descend.
3.98	Enter aspens.
9.98	Head of draw drains S. W.
	Ascend Leave aspens.
18.98	Top of spur projects S. W. Enter willows Descend
39.99	Set a boulder 17 x 12 x 8 ins. 11 ins. in ground, for 1/4 sec. cor. marked 1/4 on N. face, from which
	An aspen 4 ins. diam. bears S. 10° W. 12 lks. dist. marked 1/4 S. 24 B. T.
	An aspen 3 ins. diam. bears N. 8° E. 8 lks. dist. marked 1/4 S. 13 B. T. Descend
	through thick willows.
54.98	Mouth of draw drains S. W. Ascend
	Leave willows & underbrush
60.97	Top of small spur projects S. W. Descend
64.98	Bottom of Hell canon drains S.
	Ascend Enter aspens
73.98	Leave aspens.
79.98	The cor. to secs. 13, 14, 23 & 24.
	Land mountainous
	Soil gravelly 3rd rate
	Timber aspens on 13 chs
	Mountainous land on 79.98 chs.

Subdivision T.4.N.R.4 E. Continued

chs	
	N. 0° 01' W. bet. secs 13 and 14.
	Ascend gradually.
4.00	Enter aspens. Top of spur faces
	East. Descend.
29.00	Bottom of ravine drains S.
	E. Leave aspens Ascend.
36.00	Enter aspens.
40.00	Top of spur slopes E.
	Set a sandstone 18X10X4 ins.
	12 ins. in ground for 1/4 sec. cor.
	Marked 1/4 on W. face, from which
	An aspen 4 ins. diam. bears.
	N. 24° 15' E. 25 lks. dist.
	Marked 1/4 S. 13 B. T.
	An aspen 3 ins. diam. bears
	S 19° 45' W. 81 lks dist. Marked
	1/4 S. 14 B. T. Descend
50.00	Bottom of hollow drains S. E.
	Leave aspens. Ascend
74.00	Enter aspens
75.00	Top of spur slopes S. E. Descend
77.00	Leave aspens.
80.00	Set a boulder 14 X 8 X 6 ins. 9
	ins. in ground for cor to
	secs. 11, 12, 13 and 14 Marked with
	4 notches on S. and 1 notches
	on E. edges, and raised a
	md of stone 2 ft. base
	1 1/2 ft. high W. of cor. Pits
	impracticable.
	Land Mountainous
	Soil Gravelly 3rd and 4th
	rates
	Timber aspen on 42.00 chs.
	Mountainous land on
	80.00 chs.

Subdivision T. 6 N. R. 4 E. Contin

chs.	
	N. 89° 50' E. on random line bet. secs. 12 and 13.
40.00	Set Temp. 1/4 sec. cor.
80.00	Intersect E. bdy of Tp 2 lks S of cor of secs. 7, 12, 13 and 18.
	Thence we run
	S 89° 49' W. on true line bet. secs. 12 and 13 ascend.
8.00	Top of bench bears N and S. descend
28.00	West edge of bench. Descend abruptly.
40.00	Set a boulder 14 x 10 x 6 ins. 9 ins. in 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 inpracticable
44.00	Head of draw drains S. W. Ascend.
50.00	Top of spur projects S. Descend
72.00	Bottom of Hell canon and near head of same drains S. Descend through scattering aspens.
78.00	Leave aspens
80.00	The cor. to secs. 11, 12, 13, and 14
	Land Mountainous
	Soil Gravelly 3rd and 4th rates
	Timber aspen on 6.00 chs.
	Mountainous land on 80.00 chs.

Sept. 19, 1899 at 8 hrs 00 m A. M. l. m. t. we set off 41° 15' N. on the lat. arc 1° 26' N. on the decl. arc; and determined a true meridian with the solar at the cor. to secs 11, 12, 13 and 14

Thence we run

Subdivision T. 6 N. R. 4 E. Continued

chs.	
	N. 0° 01' W. bet. secs. 11 & 12.
	Ascend.
6.00	Top of spur projects S. E. Descend
16.00	Bottom of gulley drains S. E. Ascend
23.00	Top of spur projects S. E. Descend
39.00	Gulley drains S. E. Ascend
40.00	Set a boulder 18 x 10 x 6 ins. 12 ins. in ground, for 1/4 sec. cor. Marked 1/4 on W. face, and raised a mound stone 2 ft. base, 1½ ft. high, W of cor. Pits impracticable
50.00	Top of spur projects S. E. Descend.
9.00	Draw drains S. E.
63.00	Enter aspens.
65.00	Leave aspens. Top of bench or summit bears N. E. & S. W.
68.50	Wagon road bears N. E. & S. W.
5.00	Enter aspen timber.
0.00	Set a boulder 18 x 12 x 10 ins. 12 ins. in ground for cor. of sec. 1, 2, 11 & 12 marked 4 notches on S. & 1 notch on E. edges from which
	An aspen 8 ins. diam. bears N. 59 E. 21 lks. dist. Marked T. 6 N. R. 4 E. S. 1, B. T.
	An aspen 8 ins. diam. bears S. 52 E. 19 lks. dist. Marked T. 6 N. R. 4 E. S. 12 B. T.
	An aspen 8 ins. diam. bears S. 55 W. 61 lks. dist. Marked T. 6 N. R. 4 E. S. 11 B. T.
	An aspen 8 ins. diam. bears N. 28° 30' W. 25 lks. dist. Marked T. 6 N. R. 4 E. S. 2 B. T.
	Land mountainous
	Soil gravelly 3rd & 4th rates
	Timber aspen on 7.00 chs.
	mountainous land on 80.00 chs.

Subdivision T. 6 N. R. 4 E. Continued

chs.	
	N. 89° 49' E. on random line bet. secs. 1, & 12. through aspen timber.
40.00	Set Temp. 1/4 sec. cor.
80.20	Intersect E. bdy. of Tp. at the cor. of secs. 1, 6, 7 & 12.
	Thence we run S. 89° 49' W. on true line bet. secs. 1 & 12. Ascend.
10.20	Top of spur projects S. E. Leave aspens. Descend
28.19	Small draw drains S. Ascend
38.21	Top of small spur projects S. 15° E. Descend
40.10	Set a boulder 13 X 8 X 6 ins. 8 ins. in ground, for 1/4 sec. cor. Marked 1/4 on N. face. and raised a mound stone 2 ft. base, 1 1/2 ft. high, N. of cor. Pits impracticable.
44.20	Foot of Descent.
	Thence along flat.
50.20	Wagon road N. E. & S. W.
72.20	W. edge of bench bears N. E. & S. W. Enter timber. Descend
80.20	The cor. of secs. 1, 2, 11 & 12
	Land mountainous
	Soil gravelly 3rd rate
	Timber aspen on 28.00 chs.
	Mountainous land on 80.20 chs.

	N. 0° 01' W. on random line bet. sec. 1, & 2, over mountainous land, and through aspen and scattering pine.
40.00	Set Temp. 1/4 sec. cor.
88.65	Intersect N. bdy. of Tp. 15

Subdivision T6 N R4 E Continued

chs.	
	lks. W. of cor. of secs. 1, 2, 35 & 36.
	Thence we run
	So 5 W. on true line bet. secs. 1, 2.
1.65	Top of ridge bears E & W. Descend
25.65	Bottom of draw drains S. W. ascend.
38.64	Point of spur projects W. Descend.
46.15	Bottom of draw drains W. Ascend.
48.65	Leave scattering scrub aspens Set a boulder 14 x 10 x 7 ins. 9 ins. in ground, for 1/4 sec. cor. Marked 1/4 on W. face, and raised a mound at one 2 ft. base, 1½ ft. high W. of cor. Pits impracticable
52.65	Enter aspens E. & W.
61.65	Leave aspens. E. & W. Ascend
65.64	Top of spur projects N. 60 W. Descend abruptly.
78.66	Bottom of ravine drains N. W. Ascend
79.65	Enter aspens and scattering pines. E. & W.
88.65	The cor. of secs. 1, 2, 11 & 12. Land Mountainous Soil gravelly 2nd rate Timber aspen on 18.00 chs. Scattering pine on 6.00 chs. Mountainous land & under-growth on 88.65 chs.

From cor of secs 34 and 35 on S bdy of Tp heretofore described we run N. 0° 2' W. bet. secs 34 & 35 over mountainous land, through sage, and service brush. Ascend.

Subdivision T.6.N.R.4 E. Continued

Chs.	
8.00	Point of spur projects. S. 80 E. Descend.
10.00	Enter scrub aspen and larb brush
15.00	Bottom of ravine drains S.E. Ascend and leave scrub aspens and larb brush.
22.00	Top of spur projects S. E. Descend
25.00	Enter scrub aspens and larb brush.
30.00	Bottom of Ravine drains S.E. Ascend and leave larb brush and scrub aspens.
39.00	Top of spur projects S. E. Enter scrub aspens and scattering larb. Descend.
40.00	Set a boulder 16 X 8 X 6 ins. 11 ins. in ground, for 1/4 sec. cor. Marked 1/4 on W. face, and raise diamond stone 2 ft. base, 1 1/2 ft. high W. of cor. Pits impracticable
43.00	Head of branch drains N. E. Ascend.
50.00	Point of spur projects E. Descend.
57.00	Bottom of ravine draws S. E. also leave scrub aspens and larb brush. Ascend.
75.00	Top of spur projects S. 65 E. Enter scrub aspen and larb brush.
80.00	Set a boulder 14 X 8 X 6 ins. 9 ins. in ground for cor to secs. 27, 26, 34 & 35 Marked with 1 notch on the S. and 2 notches E. edges, from which An aspen 3 ins. diam. bears N. 61 E. 111 lks. dist. marked T6N. R.4E.S.26 B.T. An aspen 4 ins. diam. bears S. 75 1/2 E. 83 lks. dist. marked T.6.N. R.4 E.S.35 B.T.

Subdivision T. 6 N. R. 4 E. Continued

Chs.	
	An aspen 3 ins diam bears S. 28½° W 23 lks dist. marked T. 6 N. R 4 E. S. 34 B. T.
	An aspen 3 ins. diam. bears N. 15° W. 30 lks. dist. marked T. 6 N. R. 4 E. S. 27 B. T.
	Land mountainous
	Soil gravelly 3rd rate.
	Mountainous land, under-growth 80.00 chs.
	Sept. 19, 1899. At this cor. we set off 1° 22′ N. on the decl. arc: and at 12hr 00m m. l. m. t. observe the sun on the meridian: the resulting lat. is 41° 13′ N.
	N. 89° 55′ E. on random line bet. secs. 26 & 35. over mountain land, through scrub aspen, scattering bark brush
40.00	Set Temp. ¼ sec. cor.
79.90	Intersect N. & S. line 12 lks N. of cor. to secs. 25, 26, 35 & 36.
	Thence we run W. on true line bet. secs. 26 & 35
	Ascend rapidly.
23.90	Point of spur projects S. E. Descend gently
34.91	Enter aspens N. W. & S. E.
	Bottom of draw drains S. E.
	Ascend rapidly
9.95	Set a boulder 14 x 12 x 10 ins. 9 ins. in ground for ¼ sec. cor. marked ¼ on N. face, from which
	An aspen 6 ins. diam bears N. 22 lks. dist. marked ¼ S. 26 B. T.
	An as[illegible] 6 ins. diam. bears

Subdivision T. 6 N. R. 4 E. Contin

Chs.	
	S. 27 lks. dist. Marked 1/4 S. 35 B.E.
44.90	Leave scrub aspens N. W. & S. E.
47.90	Commence ascend rapidly
56.90	Enter scrub aspens.
62.90	Leave scrub aspens.
69.90	Top of spur projects N. 85 E. descend along S. slope over short spurs and Hollow
79.90	The cor. of sec. 26, 27, 34 & 35. Land mountainous Soil gravelly 3rd rate mountainous land under-growth 79.90 chs.

	N. 0° 2' W. bet. secs. 26, 27 over descending mountainous land through scrub aspens + larb brush
5.00	Enter scattering pine timber
25.00	Leave same E. + W.
30.00	Bottom of ravine also small spring branch 1 lks. wide 1 ins. deep runs E. Ascend
34.00	Leave aspen and larb brush enter scattering service and sage brush
39.50	Top of spur projects E. Descend also enter scattering larb + scrub aspens.
40.00	Set a boulder 15 x 10 x 7 ins. 10 ins. in ground, for 1/4 sec. cor. marked 1/4 on W. face and raised a mound of stone 2 ft. base and 1 1/2 ft. high. W. of cor. Pits impracticable.
45.00	Head of draw drains N. 85 E. Ascend.
52.00	Leave scrub aspen. Ascend
58.00	Top of spur projects N. 80 E.

Subdivision T.6.N.R.4 E. Continued

chs.	
	Descend.
79.75	Bottom of ravine drains S. E.
	Ascend.
80.00	Set a boulder 18 x 12 x 8 ins. 12 ins. in ground, for cor to secs. 22, 23, 26 & 27 marked with 2 notches on S. and E. edges. from which
	An aspen 5 ins. diam bears N. 8½° E 65 lks. dist. marked T.6 N. R. 4 E. S. 23 B.T.
	An aspen 9 ins. diam. bears S. 59½ E. 83 lks. dist. marked T.6 N. R.4 E. S. 26 B.T.
	An Aspen 6 ins. diam. bears S. 29 W. 29 lks. dist. marked T.6.N.R.4 E. S 27 B.T.
	An aspen 10 ins. diam. bears N. 67 W. 190 lks. dist. marked T.6.N.R.4 E.S.22 B.T.
	Land Mountainous
	Soil Stony 3rd rate
	Timber pine 20.00 chs.
	Mountainous Land under-growth 80.00 chs.

	E. on random line bet. secs. 23 and 26. over mountainous land, through scrub aspens and dense undergrowth
40.00	Set Temp. ¼ sec. cor.
79.96	Intersect N. & S. line 3 lks. S. of cor. of secs. 23, 24, 25 & 26.
	Thence we run S. 89° 59' W. on true line bet. secs. 23, & 26. Ascend
2.96	Top of spur projects S. E.
	Descend slightly.
6	Bottom draw drains S. 80 E.

Subdivision T. 6 N. R. 4 E. Continued

chs	
28.96	Leave scrub aspens N. & S. Ascend rapidly.
29.96	Top of spur projects S. E.
39.98	Set a boulder 16 x 11 x 8 ins. 11 ins. in ground for 1/4 sec. cor. Marked 1/4 on N. face, and raised a mound stone 2 ft. base, 1 1/2 ft. high N. of cor. Pits impracticable. Descend
41.45	Bottom draw drains S. W. Ascend
51.96	Top of spur projects S. Leave scattering scrub aspen and lard brush descend
68.96	Top of abrupt descent. Descend abruptly and enter scrub aspen and leave sage brush.
69.96	Bottom of ravine drains S. E. Ascend rapidly.
75.96	Point of spur projects S. E.
79.96	The cor. of secs. 22, 23, 26 & 27. Land mountainous. Soil Stony 2nd rate. mountainous land undergrowth on 79.96 chs. Sept. 20, 1899 at 8 hr. 00 m. A.M. l.m.t. we set off 41° 14' N. on the lat. arc: 1° 03' N. on the decl. arc: and determined a true meridian with the solar at the cor. to secs. 22, 23, 26, & 27.

N. 0° 02' W. bet. secs. 22 & 23 over mountainous land through scattering aspens, service and sage brush. Ascend steeply.

1.00	Leave scrub aspens E. & W.
10.00	Enter scrub aspens E. & W.
15.00	Leave same, thence along E. slope

Subdivision T.6.N R 4 E Continued

chs	
	over 2 small spurs and h
	Ascend
40.00	Top of spur projects E. Descend
	Set a boulder 14 X 11 X 10 ins. 9 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
43.00	Enter scrub aspens
44.50	Bottom of ravine drains E.
	Ascend steply
47.00	Leave scrub aspen E and W.
52.00	Top of spur projects E. Descend
53.00	Enter scrub aspen E and W.
75.00	Bottom of ravine drains S. E. and
	S. Leave scrub aspen Ascend.
80.00	Set a Quartzite 15 X 12 X 6 ins. 10 ins.
	in ground for cor to secs. 14, 15, 22
	and 23 Marked 3 notches on S. and 2 not-
	ches on E. edges from which
	a lone pine 24 ins. diam. bears
	N. 13° W. 160 lks. dist. Marked T.6.N.R.4 E S
	15 B.T.
	An aspen 6 ins. diam bears S. 75° W.
	87 lks. dist. Marked T. 6 N. R. 4 E. S. 22
	B. T., and raised a mound stone
	2 ft. base 1 1/2 ft. high W. of cor. Pits im-
	practicable. No tree on secs 23 and 14
	Land mountainous
	Soil Stony 3rd rate
	Timber scrub aspen on 24.00 chs.
	Mountainous land and undergrowth
	on 80.00 chs.

N 89° 59' E on random line bet. secs. 14 and 23. Over mountainous land, through sage brush.

40.00 Set Tem 1/4 sec. cor.

Subdivision T. 6. N. R. 4 E. Continued

chs.	
79.92	Intersect N. and S. line 2 lks. N. of cor. to secs. 13, 14, 23 and 24.
	Thence we run
	W. on true line bet. secs. 14 and 23
.92	Spur projects S. E. Descend
4.92	Enter scrub aspen N. E. and S. W.
14.92	Leave scrub aspen
20.92	Bottom of ravine drains S. E.
	Enter aspens Ascend.
34.92	Leave aspens. N and S.
39.96	Set a boulder 14 X 10 X 6 ins. 9 ins. in ground for 1/4 sec. cor. marked 1/4 on N. face, and raised a mound stone 2 ft. base, 1 1/2 ft. high N. of cor. Pits impracticable
68.92	Top of spur projects S. Descend
74.92	Bottom of draw drains S. Enter scattering aspens Ascend
76.92	Leave scattering aspens.
79.92	The cor. to secs. 14, 15, 22 and 23
	Land Mountainous
	Soil gravelly 2nd rate
	Timber aspens on 6.00 chs.
	Mountainous land and undergrowth on 79.92 chs.

N 0° 02' bet secs. 14 and 15 Over mountainous land through sage brush Ascend

12.00	Small spring 50 lks. E of line
20.00	Enter scattering scrub aspens
24.00	Top of divide bet. Ogden and Lost Creek drainage bears N. E. and S. W.
28.00	Road bears N. E. and S. W. Leave scrub aspen.
38.00	Bottom of draw drains N. W. Ascend
39.00	Spring 100 lks. W. of line in bottom of draw Ascend

Subdivision T. 6 N. R. 4 E. Continued

chs	
40.00	Set a boulder 11 x 8 x 6 ins. 9 ins. in ground for 1/4 sec. cor. marked 1/4 on W. face raised a mound stone 2 ft. base 1 1/2 ft high W. of cor. Pits impracticable
55.00	Top of spur projects N. W. Descend
57.00	Enter aspens & scattering small pines
70.00	Bottom of ravine drains N. W. Ascend
80.00	Point of spur projects S. E.
	Set a boulder 14 x 12 x 8 ins. 9 ins. in ground for cor to secs. 10, 11, 14 & 15. Marked with 4 notches S & 2 notches on E. edges and raised a mound stone 2 ft. base 1 1/2 ft. high W. of cor. Pits impracticable
	An aspen 10 ins. diam. bears N. 23 1/2 E 149 lks. dist. marked T. 6 N. R. 4 E. S. 11 B. T.
	An aspen 4 ins. diam. bears N. 63 W. 100 lks. dist. marked T. 6 N. R. 4 E. S. 10 B. T.
	An aspen 5 ins. diam. bears S 77 1/2 W 56 lks. dist. marked T. 6 N. R. 4 E. S. 15 B. T. No trees on sec. 14.
	Land mountainous
	Soil gravelly 2nd rate
	Timber aspen on 23.00 chs.
	Mountainous land & underground on 80.00 chs.
	E. on random line bet. secs. 11 & 14 over mountainous land through scattering sage brush.
40.00	Set Temp. 1/4 sec. cor.
79.87	Intersect N. & S. line at the cor to secs 11, 12, 13 & 14.
	Thence we run
	W. on true line bet. secs. 11 & 14.
1.87	Top of spur projects S. Descend
27.87	Bottom of ravine drains S. E.

Subdivision T. 6 N. R. 4 E. Continued

chs	
	also enter aspens. Ascend
39.93	Set a boulder 17x10x8 ins 11 ins. in ground for 1/4 sec. cor. Marked 1/4 on N face raised a mound stone 2 ft. base 1½ ft. high N. of cor. Pits impracticable
45.87	Sheep corral on line.
50.37	Leave scattering aspen.
51.37	Wagon road, bears N. E. and S. W. Ascend
54.87	Top of divide bet. Ogden and Lost Creek bears N. E. and S. W. Descend gradually
70.87	Top of abrupt ascent. Descend abruptly
74.87	Intersects. 10, 11, 14 and 15.
	Land mountainous
	Soil gravelly 2nd rate
	Timber aspen on 22.50
	mountainous land and undergrowth on 70.87 chs.

N 0° 02' W. bet. secs. 10 and 11 over mountainous land through scattering aspens. Ascend

3.00	Leave aspens N. E. and S. W.
10.00	Top of spur projects N 70 W. Descend.
14.00	Enter aspens E. and W.
38.00	Bottom of ravine drains N 80° W. Ascend
40.00	Set a boulder 16x9x6 ins. 11 ins. in ground, for 1/4 sec. cor. Marked 1/4 on W. face from which an aspen 7 ins. diam. bears N 32° W. 37 lks. dist. marked 1/4 S. 10 B. T. An aspen 8 ins diam. bears S. 61½° E.

Subdivision T. 6 N. R. 4 E. Continued

Chs.	
	23 lks. dist. marked 1/4 S. 11 B. T.
58.00	Leave aspens N. W. and E.
65.00	Top of spur projects S. 80 W. Descend
67.00	Enter aspen N. E. and S. W.
78.00	Head of draw drains S. W.
	Leave thick aspens. and enter scattering aspens.
80.00	Set a boulder 15 x 9 x 7 ins. 10 ins. in ground for cor. to secs. 2, 3, 10 and 11.
	Marked 5 notches on S. 2 on E edges. from which
	An aspen 6 ins. diam bears. N. 63 1/2 E. 88 lks. dist. marked T. 6 N. R. 4 E. S. 2 B. T.
	An aspen 8 ins. diam. bears S. 34 1/2 E. 115 lks. dist. marked T 6 N. R. 4 E. S. 11 B. T.
	An aspen 9 ins. diam. bears. S. 10 W. 135 lks. dist. marked T. 6 N. R. 4 E. S 10 B. T.
	An aspen 7 ins. diam. bears. N. 88 W. 190 lks. dist. marked T 6 N R 4 E S. 3 B. T. Leave aspen.
	Land mountainous
	Soil gravelly 2nd rate.
	Timber aspen 57.00 chs.
	mountainous land and undergrowth on 80.00 chs.
	Sept. 20, 1899. At this cor. we set off 0° 58' N. on the decl. arc: and at 12hr 00m m. l. m. t. observe the sun on the meridian: the resulting lat. is 41° 16' N.

East, on random line bet. secs. 2 and 11. over ascending mountainous land, through scrub oa and

chs.	Subdivision T. 6 N. R. 4 E. continued
	brush.
40.00	Set temp. 1/4 sec. cor.
79.90	Intersect N. & S. line 2 lks. S. of cor to secs. 1, 2, 11, & 12
	Thence we run
	S. 89° 59' W. on true line bet. sec. 2 11.
10.90	Leave aspen, enter scrub aspen.
34.90	Leave scrub aspen.
39.95	Set a boulder 14 x 8 x 8 ins. 9 ins. in ground for 1/4 sec. cor. marked 1/4 on N. face and raised a mound stone 2 ft. base 1 1/2 ft. high N. of cor. pits impracticable.
41.90	Top of ridge bears N. 70 W. & S. 70 E. them along N. slope of divide near top. Descend
51.91	Head of draw drains S. W. Ascend
60.90	Top of flat spur projects S. W. Descend.
72.90	Enter scattering aspens.
79.90	The cor. of sec. 2, 3, 10 & 11.
	Land mountainous
	Soil gravelly 3rd rate.
	Timber aspen on 11.00 chs.
	Mountainous land & under. growth on 79.90 chs.

	N. 0° 02' W. on random line bet. secs. 2 & 3.
40.00	Set Temp 1/4 sec. cor.
88.84	Intersect N. bdy of Tp. 33 lks. W. of the cor of secs. 2, 3, 34 & 35.
	Thence we run
	S. 0° 11' W. on true line bet. 2 & 3
	Descend steeply
21.84	Wonder spring E 1.20 chs.

Subdivision T. 6. N. R. 4 E.

lks.	
23.84	Bottom of Canon creek 15 lks. wide, 6 ins. deep runs W. Enter pine. Ascend
20.84	Enter aspen and leave pine E. & W.
48.84	Set a boulder 15 X 14 X 10 ins. 10 ins. in ground, for 1/4 sec. cor. marked 1/4 on W. face. from which An aspen 14 ins. diam. bears N. 52 W. 42 lks dist. marked 1/4 S. 3 B. T. An aspen 8 ins. diam. bears N. 73 1/2 E. 46 lks. dist. marked 1/4 S. 2 B. T.
79.83	Leave aspen E. & W. Ascend rapidly.
80.84	Top of ridge bears E. & W. Descend steeply
88.84	The cor of secs. 2, 3, 10 & 11 Land mountainous Soil gravelly 2nd & 3rd rates. Timber aspen on 51.00 chs. Timber pine on 5.00 chs. mountainous land & under-growth on 88.84 chs.

From cor of secs 33 and 34 on S bdy of Tp heretofore described we run N. 0° 02' W. bet. secs. 33 & 34 over mountainous land through sage brush. Ascend

15.00	Top of spur projects S. 60 W. Enter scrub aspens. Descend
30.00	Bottom of Ravine drains S. 65 W. Leave aspens E. & W. Ascen
40.00	Set a boulder 16 X 12 X 7 ins. 11 ins in ground for 1/4 sec. cor. marked 1/4 on W. face, and raised a stone 2 ft. base, 1 1/2 ft. high W. of cor. Pits impracticable.
42.00	Enter scrub as E. & W.

Subdivision T.6.N.R.4 E. Continued

chs	
50.00	Top of spur projects S. 80 W. Descend
67.00	Enter scattering pines & aspen timber N.E. & S.W.
73.00	Bottom of ravine also spring branch 1 lk. wide 1 ins. deep. runs S. W. Leave scattering pine. Ascend
80.00	Set a boulder 24 x 12 x 10 ins. 18 ins. in ground for cor. of sec. 27, 28, 33 & 34. marked 1 notch on S. and 3 notches on E. edges, from which An aspen 8 ins. diam. bears N. 60½° E. 213 lks. dist. marked T.6.N.R.4 E. S. 27 B. T. An aspen 7 ins. diam bears S. 7° E 43 lks. dist. marked T.6.N.R.4 E. S. 34 B. T. An aspen 6 ins. diam. bears S. 70° W. 70 lks. dist. marked T.6.N.R.4 E. S. 33 B. T. An aspen 5 ins. diam. bears N. 54 W. 57 lks dist marked T.6.N.R.4 E. S. 28 B. T.
	Land mountainous
	Soil gravelly 3rd rate
	Timber aspen on 43.00 chs.
	Mountainous land on 80.00 chs.

	Sept. 21, 1899 at 8 hrs 00 min A.M. l.m.t. we set off 41° 13' N. on the lat. arc: 0° 40' N. on the decl. arc: and determined a true meridian with the solar attachment to secs. 27, 28, 33 & 34. Thence we run N. 89° 55' E. on random line bet. secs. 27 & 34. over mountainous land through scrub aspens & choke cherry bushes
40.00	Set B. emp. ¼ sec. cor.
51.07	Intersect N. & S. line 5 lks. S. of the cor. of sec. 26, 27, 34 & 35.

Subdivision T.6.N. R4E. Continued

chs.	
	Thence we run S. 89° 53' W. on true line bet. secs. 27 & 34. Ascend
5.07	Small Draw drains N.
8.07	Enter pine
37.07	Leave pine N. E. + S. W.
40.03	Set a boulder 12x10x6 ins. 8 ins. in ground, for 1/4 sec. cor. marked 1/4 on N. face, from which An aspen 8 ins. diam. bears N. 14½° E. 84 lks. dist. marked 1/4 S. 27 B. T. An aspen 6 ins. diam. bears S. 12 E. 24 lks. dist. marked 1/4 S. 34 B. T.
48.07	Leave dense underbrush & choke cherry bushes, thence along N. slope. Ascend.
56.07	Top of ridge bears N. W. & S. E. Descend.
78.50	Spring N. 50 lks. and also one S. 50 lks. Ascend.
80.07	The cor of secs. 27, 28, 33 & 34.

Land mountainous
Soil loam 2nd rate
Timber pine on 29.00 chs.
mountainous land & undergrowth on 80.07 chs.

N. 0° 02' W. bet. sec. 27 & 28 over mountainous land, through scattering scrub aspens. Ascend.

15.00	Top of ridge bears N. W. & S. E. Descend gently.
25.00	Head of draw drains S. E. Ascend.
40.00	Set a sand stone 16 X 10 X 10 ins. 11 ins. in the ground, for 1/4 sec. cor. marked 1/4 on W. face,

Subdivision T.6.N. R.4 E. Continued

chs.	
	which
	An aspen 6 ins. diam bears N. 10° W. 55 lks. dist. marked 1/4 S. 28 B. T.
	An aspen 6 ins. diam. bears N. 7° E. 59 lks. dist. marked 1/4 S. 27 B. T. Ascend
42.00	Top of spur projects S. E. Descend
	Enter aspen timber.
70.00	Bottom of Ravine drains S. E. also small spring branch 1 lk. wide drs S.E.
79.00	Ascend.
80.00	Set a boulder 14 x 8 x 6 ins. 9 ins. in ground, for cor. to secs. 21, 22, 27 and 28 marked 2 notches on S and 3 notches on E edges, and raised mound stone 2 ft. base, 1½ ft. high W. of Cor Pits impracticable.
	An aspen 10 ins. diam. bears S. 61½ E 106 lks. dist. marked T.6.N. R.4 E. S. 27 B. T.
	An aspen 11 ins. diam. bears S 80½ W. 60 lks. dist. marked T.6.N., R.4 E. S. 28 B. T.
	An aspen 5 ins. diam bears N. 57 W. 32 lks. dist. marked T.6.N. R.4 E S. 21 B. T. No trees on sec. 22.
	Leave aspens.
	Land mountainous
	Soil loam and gravelly 2nd rate
	Timber aspen 38.00 chs.
	Mountainous land and undergrowth on 80.00 chs.

	N. 89° 38' E. on random line bet. secs. 22 & 27. Over mountainous land; through sage brush.
40.00	Set Temp. 1/4 sec. cor.

Subdivision T. 6. N. R. 4 E. Continued

chs	
80.06	Intersect N. & S. line at the cor. of sec. 22, 23, 26 & 27. Thence we run S. 89° 53' W. on true line bet. secs. 22 & 27. Descend.
1.06	Bottom of ravine drains S. E. Ascend rapidly.
24.06	Top of spur projects S. W. Descend
30.06	Bottom of draw drains S. E. Ascend.
39.06	Enter scattering pines N. & S.
40.03	Set a boulder 16 x 10 x 5 ins. 11 ins. in ground, for 1/4 sec. cor. marked 1/4 on N. face from which An aspen 20 ins. diam. bears N 28 E. 45 lks. dist. marked 1/4 S. 22 B. T. An aspen 6 ins. diam. bears S. 68½ W. 56 lks. dist. marked 1/4 S. 27 B. T.
43.04	Leave scattering pines N. & S. Ascend
58.06	Spur projects S. Descend
65.56	Bottom of draw drains S. also spring 50 lks. N. of line. Ascend
66.06	Enter scrub aspen
74.05	Top of spur projects S. Descend
76.06	Leave scrub aspen N. & S.
80.06	The cor. of sec. 21, 22, 27 & 28. Land mountainous Soil gravelly 2nd rate Timber pine on 4.00 chs. mountainous land & undergrowth on 80.06 chs.

N. 0° 02' W. bet. sec. 21 & 22. over mountainous land, through sage brush. Ascend

6.00	Enter scrub aspen.
8.26	Wagon road N 80 E & S. 80 W.
14.50	T. o. divide bet. Q. and Lost

Subdivision T. 6 N. R. 4 E. Continu...

chs.	
	Creek bears N. E. & S. W. Descend
30.00	Head of draw drains N. W. Ascend
33.00	Wagon road bears N 10 W. & S 10 E.
34.00	Top of divide bet. Ogden & Lost Creek bears N. 10 W & S. 10 E. Descend
40.00	Set a boulder 18 x 10 x 9 ins. 12 ins. in ground, for 1/4 sec. cor. Marked 1/4 on W. face. from which
	An aspen 7 ins. diam. bears N. 87 W. 17 lks. dist. Marked 1/4 S. 21 B. T.
	An aspen 5 ins. diam. bears S. 18 E. 45 lks. dist. Marked 1/4 S. 22 B. T.
43.70	Wagon road bears E & W.
	Head of draw drains E. Ascend
49.00	Top of divide bet. Ogden & Lost Creek bears E & W. Enter aspen timber. Descend rapidly.
70.00	Bottom of ravine drains N. E. Ascend
78.00	Top of spur projects N. E. Descend.
80.00	Set a boulder 17 x 9 x 7 ins. 11 ins. in ground, for cor to secs. 15, 16, 21 & 22 Marked with 3 notches on S. & E edges & 6 N. on N. E., 4 E on S. E. faces. from which
	An aspen 8 ins. diam. bears N. 39 E. 34 lks dist. Marked T. 6. N. R. 4 E. S. 15 B. T.
	An aspen 9 ins. diam. bears S 39 E. 18 lks. dist. Marked T. 6. N. R. 4 E. S. 22 B. T.
	An aspen 7 ins. diam bears S 31 W. 32 lks. dist. Marked T. 6. N. R. 4 E. S. 21 B. T.
	An aspen 10 ins. diam. bears N. 31 W. 32 lks. dist. Marked T. 6. N. R. 4. E. S. 16 B. T.
	Land mountainous
	Soil loam & gravel 2nd rate.
	Timber aspen on 31.00 chs.
	Mountainous land dense undergrowth on 80.00 chs.
	Sept. 21, 1899. At this cor. we set off 0° 35' N. on the decl arc: & at 12hr 00m. m. l. m. t. observe the sun on the meridian: the

Subdivision T. 6 N. R. 4 E. Continued

resulting lat. is. 41° 15' N.

N. 89° 53' E on random line bet. secs. 15 & 22 Over mountainous land Through sage brush.

40.00 Set Temp. 1/4 sec. cor.

80.06 Intersect N. & S. line 2 lks. S. of cor. to secs. 15, 14, 23 & 22. Thence we run S. 89° 53' W. on true line bet. secs. 15 & 22. Descend

.75 Enter scrub aspens.

6.06 Bottom of ravine drains S. E. Ascend.

15.06 Leave aspen N. W. & S. E.

18.06 Top of divide bet. Ogden & East Creek drainage bears N. E. & S. W. Descend

22.50 Wagon road bears N. E. and S. W. Enter aspens & scattering pines Ascend

40.03 Set a boulder 18 x 13 x 10 ins. 12 ins. in ground, for 1/4 sec. cor. marked 1/4 on N. face, from which An aspen 4 ins. diam. bears S. 47 W. 27 lks. dist. marked 1/4 S. 22 B. T. An aspen 4 ins. diam. bears N. 22 W. 24 lks. dist marked 1/4 S. 15 B. T. Ascend.

48.06 Top of spur projects N. W. Descend

53.01 Bottom of draw drains N. W. Ascend

63.06 Top of spur projects N. E. Descend

74.06 Bottom of draw drains N. E. Ascend.

80.06 The cor. to secs. 15, 16, 21 & 22 Land mountainous

Subdivision T. 6. N. R. 4 E. Continued

chs.	
	Soil Gravelly 2nd rate Timber aspen & scattering pine on 60.00 chs. Mountainous Land on 80.06 chs.
	N 0° 02' W. bet secs. 15 & 16 Over mountainous land, through aspen timber & dense undergrowth Descend on E. slope
15.00	Bottom of ravine drains E. Ascend
18.00	Leave aspens.
20.00	Top of spur projects N. 85 E Descend abruptly in patches of willows & scrub aspens.
30.00	Enter young pine timber
35.00	Bottom of ravine drains N. W. Leave pine & aspen. Enter oak brush. Ascend abruptly
40.00	Set a boulder 15 X 10 X 8 ins. 10 ins. in ground for 1/4 sec. cor. Marked 1/4 on W. face, and raised a mound stone 2 ft. base 1 1/2 ft. high W. of cor. Pit impracticable
60.00	Top of spur projects N. W. Enter aspens & scattering willows Descend.
67.00	Bottom of draw drains N. W. Ascend gently
80.00	Set a boulder 20 X 12 X 4 ins. 15 ins. in ground for cor. to secs. 9, 10, 15 & 16. Marked 4 notches on S. & 3 notches on E edges from which An aspen 3 ins. diam. bears N 61 E 23 lks. dist. Marked T. 6. N. R. 4 E. S. 10 B. T. An aspen 4 ins. diam. bears S. 73 E. 25 lks dist. Marked T. 6. N. R. 4 E. S. 15 B. T. An aspen 3 ins. diam. bears N. 15 W. 33 lks. dist. Marked T. 6. N. R. 4 E. S. 9 B. T. An aspen 4 ins. diam. bears S. 33 W. 53 lks. dist. Marked T. 6. N. R. 4 E. S. 16 B. T. Land Mountainous Soil Loam & gravelly 2nd & 3rd rates Timber aspen on 38.00 chs., pine on 5.00 chs. Mountainous land & undergrowth on 80.00 chs

Subdivision T. 6 N. R. 4 E. Continued

chs	
	N. 89° 52' E. on random line bet. secs. 10 & 15 Cover mountainous land through aspen & dense underbrush.
40.00	Set Temp. 1/4 sec. cor.
80.02	Intersect N. & S. line 2 lks. N. of cor. to secs. 10, 11, 14 & 15
	Thence we run S. 89° 53' W. on true line bet. secs. 10 & 15. Descend
31.00	Bottom of ravine drains N. 60° W. also spring branch 2 lks. wide 6 ins. deep. drains N. 60° W. Enter scattering pine timber. Ascend.
40.01	Set a sandstone 15 X 12 X 5 ins. 10 ins. in ground for 1/4 sec. cor. Marked 1/4 on N face from which
	A pine 6 ins. diam. bears S. 6° E. 24 lks. dist. Marked 1/4 S. 15 B. T.
	An aspen 6 ins. diam. bears N. 2° W. 24 lks. dist. Marked 1/4 S. 10 B. T.
45.02	Top of spur projects N. 20° W. Leave scattering pine N. W. & S. E. Descend
52.02	Bottom of draw drains N. Ascend
65.00	Top of spur projects North
80.02	The cor. to secs 9, 10, 15 & 16
	Land mountainous
	Soil gravelly 2nd rate
	Timber scattering pine on 6.00 chs.
	Mountainous land on 80.02 chs.

N. 0° 02' W. bet. secs. 9 & 10 Cover rough mountainous land through scrub aspens & dense brush. Ascend slightly along W. slope.

8.00 Leave aspens N. E. & S. W. Ascend

Subdivision T. 6 N. R. 4 E. Continued

chs	
11.00	Point of spur projects N. 20° W. Descend abruptly
14.00	Enter scrub aspens and dense brush E. and W.
23.00	Enter scattering pines.
28.00	Bottom of ravine spring branch 4 lks. wide 3 ins. deep runs W. Leave pine and aspens Thence along W. side of small draw. Ascend abruptly.
40.00	Set a boulder 12 x 8 x 6 ins. 8 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.
67.00	Top of ridge bears N. 80° E and S. 80° W. Descend.
69.00	Enter scrub aspens and willows E. and W.
75.00	Head of small draw drains N. W. Ascend gently
79.50	Leave aspens E. and W.
80.00	Set a boulder 13 x 10 x 7 ins. 8 ins. in 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.
	An aspen 7 ins. diam. bears S. 29 W. 36 lks. dist. Marked T. 6 N. R. 4 E. S. 9 B. T.
	An aspen 5 ins. diam. bears S. 64 E. 67 lks. dist. Marked T. 6 N. R. 4 E. S. 10 B. T. No trees on secs. 3 and 4
	Land mountainous
	Soil loam and gravelly 2nd and 3rd rates
	Timber aspens on 24.00 chs. and pine on 5.00 chs.
	mountainous land and undergrowth

chs.	
	on 80.00 chs.
	Sept. 22, 1899 at 8 hr 00 mn A.M. l.m. t. we set off 41° 16′ N on the lat. arc: 0° 16′ N on the decl. arc: and determined a true meridian with the solar at the cor to secs. 3, 4, 9 and 10 Thence we run N. 89° 53′ E. on random line bet. sec. 3 and 10.
40.00	Set Temp. 1/4 Sec. cor.
79.96	Intersect N and S. line at the cor. of secs. 2, 3, 10, and 11.
	Thence we run S. 89° 53′ W. on true line bet. secs. 3 and 10. Through scattering aspens
11.00	Bottom of drawdrains S. Leave aspens Ascend
32.00	Top of ridge bears N 75 E and S 75 W. Descend
37.00	Enter aspens bears N. E. and S. W.
39.98	Set a boulder 17 x 12 x 5 ins. 11 ins. in ground, for 1/4 sec. cor. marked 1/4 on N. face from which
	An aspen 14 ins. diam. bears S 49° W. 25 lks dist. marked 1/4 S. 10 B. T.
	An aspen 8 ins. diam bears N. 63 1/2° W. 53 lks. dist. marked 1/4 S. 3 B. T.
	The cor. is in the head of draw. drains N. W. Ascend gradually.
60.00	A Spur projects N. W. Descend.
62.00	Enter willows.
74.00	Leave willows. bears N. 10° E and S. 10° W.
79.96	The cor to secs. 3, 4, 9 and 10.

Subdivision T. 6. N. R. 4 E. Continued

chs.

Land mountainous
Soil gravelly 3rd rate
Timber aspen 59.96 chs.
mountainous land & undergrowth
on 79.96 chs.

N 0° 02' W. on random line bet. secs. 3 & 4. Over very rough mountainous land, through sage brush.

40.00 Set Temp 1/4 sec. cor.

89.20 Intersect N. bdy. of Tp. 44 lks. W. of cor of secs. 3, 4, 33 & 34.

Thence we run
S 0° 15' W. on true line bet. secs. 3 & 4. Ascend

12.00 Leave aspens & dense brush. bears N.E. & S.W.

19.70 Top of ridge bears S. 80° W. descend gradually.

21.45 Top of abrupt descent.

49.20 Bottom of canon, also creek 10 lks. wide, 6 ins. deep runs S.W. swiftly. Impossible to set cor. on account of precipitous sides of canon. Ascend abruptly

54.03 Top of perpendicular cliff 200 ft. high.

Set a limestone 16 x 14 x 6 ins. 11 ins. in ground, for witness cor. to 1/4 sec. cor. marked W.C. 1/4 on W. face from which

A pine 14 ins. diam. bears S. 79° E. 16 lks. dist. marked W.C. 1/4 S.3 B.T.
A cedar 12 ins diam bears S 59° W. 59 lks. dist. marked W.C. 1/4 S.4 B.T. Ascend

56.20 Top of a spur projects N.W. descend

Subdivision T. 6. N. R. 4 E. Continued

63.00 Bottom of draw drains N. W. also enter thick pine and leave scattering pine. Ascend abruptly

74.00 Enter aspen & leave thick pine bear E. & W.

0.00 Leave aspen timber bears N. W. & S. E.

84.00 Top of spur projects N. W. Descend

89.20 The cor. of sec. 3, 4, 9, & 10.

mountainous

Soil stony & gravelly 2nd & 3rd rate

Timber pine on 26.00 chs. aspen on 20.00 chs.

Mountainous land & under-growth on 89.20 chs.

From cor of secs. 32 and 33 on S bdy of Tp. heretofore described we run N. 0° 03' W. bet. secs. 32 & 33. Ascend through sage brush over small spurs & hollows. sloping S. W.

18.00 Top of spur projects W. Descend

26.00 Hollow drains S. W. Ascend

36.00 Top of spur projects S. W. Thence along W. slope of ridge

40.00 Set a sand stone 16X12X8 ins 11 ins. in ground, for 1/4 sec. cor. Marked 1/4 on W. face, and raised a mound stone 2 ft. base 1 1/2 ft. high W. of cor Pits impracticable. Thence along W. slope through scattering aspens.

70.00 Top of ridge bears N. W. & S. E. also enter aspen timber Descend.

80.00 Set a boulder 16X8X6 ins. 11 ins. in , cor. secs. 28, 29

chs	
	32 & 33 marked with 1 notch on S. & 4 notches on E. edges. from which
	An aspen 6 ins. diam. bears N 26° 45' E. 44 lks. dist. marked T. 6. N. R. 4 E. S. 28 B. T.
	An aspen 5 ins. diam. bears S 2½° E. 8 lks. dist. marked T. 6. N. R. 4 E. S. 33 B. T.
	An aspen 4 ins. diam bears S 66° W. 28 lks. dist. marked T. 6. N. R. 4 E. S. 32 B. T.
	An aspen 4 ins. diam. bears N 54° W. 37 lks. dist. marked T. 6. N. R. 4 E. S. 29 B. T.
	Land mountainous
	Soil Rocky 3rd rate
	Timber aspen on 40.00 chs.
	mountainous land & undergrowth on 80.00 chs.
	N 89° 55' E on random line bet. secs 28 & 33
40.00	Set Temp. ¼ sec. cor.
79.90	Intersect N. & S. line 5 lks. N. of cor of secs. 27, 28, 33 & 34.
	Thence we run
	S. 89° 57' W. on true line bet. 28 & 33. Descend
5.00	Enter marshy swamp.
10.00	Leave marshy swamp.
15.00	Head of draw drains S. Ascend
22.00	Top of spur slopes S. Descend.
35.00	Head of swale drains S. N. Descend & Leave aspens.
39.90	Set a boulder 14 x 10 x 8 ins 9 ins. in 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.

chs.	
	Ascend gradually.
42.90	Top of spur projects S. W. Descend
44.00	Enter aspens
52.00	Leave aspens
59.60	Wagon road bears N. and S.
59.90	Bottom of Guilder Sluve Canon also spring branch 3 lks. wide drains south. Ascend
61.00	Enter aspens
71.00	Leave aspens
73.00	Top of spur slopes S. E. Descend
78.90	Enter aspens.
79.90	The cor of secs. 28, 29, 32 and 33. Land Mountainous Soil gravelly 2nd rate Timber aspens on 19.00 chs. Mountainous land and under-growth on 79.90 chs. Sept. 22, 1899 At this cor. we set off 0° 11′ N. on the desb. arc. and at 12h 00m m. l. m. t. observe the sun on the meridian: the resulting lat. is 41° 13′ N.

	N. 0° 03′ W. bet. sec. 28 and 29. Ascend through aspens.
10.00	Top of spur projects S. E. Descend
20.00	Bottom of draw drains S. E. Leave aspens. Ascend
6.00	Top of spur projects S. E. Enter aspens and scattering pine. Descend
35.00	Bottom of gulley drains S. E. Ascend
37.00	Leave aspens.
40.00	Set a boulder 16 x 12 x 8 ins. 11 ins. in ground, for 1/4 sec. cor. Marked 1/4 on W. and

Subdivision T. 6 N. R 4 E. Continued

chs.	
	a mound stone 2 ft. base 1½ ft. high. W. of cor. Pits impracticable
50.00	Enter scrub aspens. and thick underbrush. Ascend
60.00	Top of main ridge bears N. W. & S. E.
63.00	Wagon road bears N. E. and S. W. Descend through dense underbrush and aspens.
80.00	Set a boulder 16 x 8 x 6 ins. 11 ins. in ground for cor. of secs. 20, 21, 28 and 29. from which
	An aspen 6 ins. diam. bears N. 42 E. 84 lks. dist. Marked T. 6 N. R 4 E. S. 21 B. T.
	An aspen 4 ins. diam. bears S. 33 E. 44 lks. dist. Marked T. 6 N. R. 4 E. S. 28 B. T.
	An aspen 4 ins. diam. bears S 14½° W. 84 lks. dist. Marked T. 6 N. R 4 E. S. 29 B. T.
	An aspen 10 ins. diam. bears N. 67½° W. 185 lks. dist. Marked T. 6 N R. 4 E. S. 20 B. T.
	Land mountainous
	Soil gravelly 3rd rate
	Timber aspens on 31.00 chs.
	Mountainous land on 80.00 chs.
	N. 89° 57' E. on random line bet. secs. 21 and 28
40.00	Set T. imp. ¼ sec. cor.
79.90	Intersect N. and S. line 2 lks S of the cor. of secs. 21, 22, 27 and 28
	Thence we run S. 89° 56' W. on true line bet. secs. 21 and 28. Ascend
6.90	Wagon road bears N. E. and S. W.

Subdivision T. 6 N. R. 4 E. Continued

chs.	
9.00	Top of main ridge bears N. E. & S. W. Descend through aspens.
39.95	Set a boulder 14 x 8 x 4 ins. 9 ins. in ground, for 1/4 sec. cor. marked 1/4 on N. face, from which An aspen 4 ins. diam. bears N. 35 E. 6 lks. dist. marked 1/4 S. 21 B. T. An aspen 4 ins. diam. bears S 21 E. 79 lks. dist. marked 1/4 S. 28 B. T. Descend.
40.90	Bottom of draw drains N. W. Ascend
49.90	Top of spur projects N. W. Descend
54.90	Head of draw drains N. W. Ascend
63.90	Top of spur projects N. W.
79.90	The cor. of secs. 20, 21, 28 and 29 Land mountainous Soil gravelly 2nd rate Timber aspen on 79.90 chs. Land mountainous on 79.90 chs.

N. 0° 03' W. bet. secs. 20 and 21
Descend through aspens also spring about 2 00 chs N. E.

18.00	Head of draw drains N. 80° W. Ascend
30.00	Top of spur projects W. Descend
40.00	Set a boulder 18 x 12 x 10 ins. 12 ins. in ground, for 1/4 sec. cor. marked 1/4 on W. face, from which An aspen 4 ins. diam. bears N. 73 E 56 lks. dist. marked 1/4 S. 21 B. T. An aspen 3 ins. diam. bears S 84 W. 18 lks. dist. marked 1/4 S. 20 B. T.
50.00	Draw drains N. E. Ascend

Subdivision T. 6. N. R. 4 E. Continue

chs.	
58.00	Spur projects N. E. Descend
80.00	Set a boulder 14 x 12 x 8 ins. 9 ins. in ground, for cor to secs. 16, 17, 20 & 21 marked 1/4 on W. face from which An aspen 5 ins. diam. bears N 33° E. 16 lks. dist. marked T. 6. N. R. 4 E. S. 16 B. T. An aspen 4 ins. diam. bears S. 33 E. 15 lks. dist. marked T. 6. N. R. 4 E S. 21 B. T. An aspen 6 ins. diam. bears S 11° 15' W. 20 lks. dist. marked T. 6. N. R. 4 E. S. 20 B. T. An aspen 5 ins. diam. bears N. 34° W. 13 lks. dist. marked T. 6. N. R. 4 E S. 17 B. T. Land mountainous Soil gravelly 3rd & 4th rates Timber aspen 80.00 chs. Mountainous land on 80.00 chs.
	N. 89° 56' E. on random line bet. secs 16 & 21
40.00	Set Temp 1/4 sec. cor.
79.90	Intersect N & S. line 2 lks N of the cor of sec. 15, 16, 21 & 22 Thence we run S. 89° 57' W on true line bet. secs. 16 & 21 Ascend & leave aspens.
4.90	Top of ridge bears N. 15° W. & S. 15° E. Descend
14.90	Bottom of ravine drains N. W. Ascend
19.90	Top of point projects N. Descend
27.90	Gulley drains N.
39.95	Set a boulder 17 x 10 x 5 ins. 11 ins in ground, for 1/4 sec. cor. marked 1/4 on N. face, and raised a mound

Subdivision T.6.N. R.4 E. Continued

stone 2 ft. base 1½ ft. high N. of cor. Pits impracticable. Thence in underbrush along N. slope of
Ascend
49.90 Top of ridge bears N.W. and S.E. Leave scrub aspens. Descend Abruptly
64.90 Enter aspens
68.90 Bottom of draw drains N.W. Ascend through aspens.
79.90 The cor. to sec. 16, 17, 20 and 21
Land Mountainous
Soil Gravelly 3rd and 4th rates
Timber aspens on 20.00 chs.
Mountainous land on 79.90 chs.

N 0° 03' W. bet secs. 16 and 17. Descend through aspens.
10.00 Leave aspens
13.00 Bottom of gulley also spring branch 3 lks. wide drains N. W. Ascend
17.00 Enter aspens
26.00 Top of spur projects W.
40.00 Set a boulder 16 x 6 x 4 ins. 11 ins. in ground, for ¼ sec. cor. marked ¼ on W. face, from which
An aspen 4 ins. diam. bears N. 83 E. 12 lks. dist. Marked ¼ S 16 B.T.
An aspen 4 ins. diam bears N 68½ W. 15 lks. dist. Marked ¼ S. 17 B. T. Descend
50.00 Bottom of canon drains N. 15 E. also creek 5 lks. wide drains same. Leave aspens. Ascend through dense oak brush.
70.70 T o N.E. Descend

Subdivision T. 6 N. R. 4 E. Continu

Chs.	
75.00	Bottom of gulley drains E. Ascend.
80.00	Set a sandstone 18 x 6 x 6 ins. 12 ins. in ground, for the cor of secs. 8, 9, 16 and 17. Marked with 4 notches on S. and 4 notches on E. edges, and raised a mound stone 2 ft. base 1½ ft. high W. of cor. Pits inpracticable. Land mountainous Soil Rocky 4th rate Timber aspen on 43.00 chs. Mountainous land on 80.00 chs.
	Sept. 23, 1899 at 8 hrs 00 mns A. m. l.m.t. we set off 41° 15' N. on the lat. arc; 0° 07' S. on the decl. arc; and determined a true meridian. with the solar at the cor. to secs. 9, 8, 16 and 17. N. 89° 57' E. on random line bet sec. 9 and 16
40.00	Set Temp. ¼ sec. cor.
80.00	Intersect N and S line 37 lks N. of cor. of secs. 9, 10, 15 and 16. Thence we run N 89° 47' W. on true line bet secs. 9 & 16. Descend
3.00	Bottom of hollow drains N. W. Ascend and leave aspens.
30.00	Top of large spur projects N. W. Descend
40.10	Set a sandstone 14 x 12 x 6 ins. 9 ins. in 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 inpracticable Descend and enter timber
57.00	Bottom of ravine drains N. E.

Subdivision T. 6 N. R. 4 E. Continued

also spring branch 5 lks.
wide drains same. Ascend
through scattering pine
65.00 Top of spur projects N.E..
Descend.
70.00 Bottom of ravine drains N 15
E. no water Ascend
72.00 Leave aspens.
80.00 The cor of secs. 8, 9, 17 and 16.
Land mountainous
Soil Stony 4th rate
Timber aspen on 63.00 chs.
Pine on 8.00 chs.
Mountainous land on 80.00
chs.

N 0° 03' W. bet secs. 8 and 9 Ascend
abruptly.
6.00 Top of spur projects E. Descend
abruptly through scattering
aspen and dense underbrush.
25.00 Bottom of gulch drains N.E.
Ascend gradually.
30.00 Top of low spur projects E.
Descend and inter aspens.
38.00 Bottom of canon drains N 80° W
Ascend and leave aspens.
40.00 Set a sandstone 18 X 10 X 4 ins 12 ins
in ground, for 1/4 sec. cor. marked
1/4 on W. face, and raised a
mound stone 2 ft. base, 1 1/2 ft.
high W. of cor. Pits impracticable
Ascend abruptly
42.75 Top of spur projects S. W.
Descend over abrupt edges
and pine trees.
79.00 Bottom of deep canon drains
S. W. also creek 10 lks wide drains

Subdivision T. 6 N. R. 4 E. Continued

chs

same. Ascend.

— 80.00 Set a lime stone 18 x 10 x 6 ins. 12 ins. in ground, for cor to secs. 4, 5, 8 and 9 Marked with 5 notches on S and 4 notches on E. edges, and raised a mound stone 2 ft. base 1½ ft. high W of cor. Pits impracticable.

A cottonwood 6 ins. diam. bears S 45° E. 20 lks. dist. marked T. 6 N. R 4 E S. 9 B. T.
A cottonwood 10 ins. diam. bears S. 80° W. 10 lks. dist. marked T. 6 N. R. 4 E S. 8 B. T.
A pine 8 ins. diam. bears N. 45° W. 70 lks. dist Marked T. 6 N. R. 4 E. S. 3 B. T. No trees on sec. 4.
Land Mountainous
Soil Gravelly 3rd rate
Mountainous land on 80.00 chs.

S. 89° 47' E. on random line bet. secs 4 and 9.
40.00 Set Temp. ¼ sec. cor.
79.80 Intersect N. and S. line 2 lks. S of cor. of secs. 3, 4, 9 and 10.
Thence we run
N 89° 48' W. on true line bet. secs. 4 and 9
Descend abruptly.
V 3.50 Enter willows and aspens.
15.00 Bottom of gulch drains N.
Ascend.
16.00 Enter scattering pine
19.00 Leave pine
20.00 Point of spur projects N. Descend
25.00 Gulley drains N. 15° E Ascend
30.00 Spur projects N. Descend abruptly
36.00 Enter aspens

Subdivision T. 6. N. R. 4 E. Continued.

Chs.	
39.00	Gulley drains N. 10 W. Ascend
39.90.	Set a sand stone 15 x 10 x 8 ins 10 ins in ground, for 1/4 sec. cor. marked 1/4 on N. face, from which An aspen 8 ins. diam. bears N 30½° E 52 lks. dist. marked 1/4 S. 4 B. T. An aspen 7 ins. diam. bears S 26½° E. 44 lks. dist. marked 1/4 S. 9 B. T. Ascend abruptly.
50.63	Top of spur projects N. leave aspens Descend.
64.17	Top of ledge 200 ft. high bears N. E. and S. W. Descend abruptly.
76.50	Creek 10 lks. wide drains S. 75 W. also bottom of canon, Ascend
79.80.	The cor. of secs. 4, 5, 8 and 9. Land Mountainous Soil gravelly 3rd and 4th rates Timber aspens. on 30.00 chs. Mountainous land on 79.80 chs.

N 0° 03' W. on random line bet. secs. 4 and 5.

40.00	Set Temp. 1/4 sec. cor.
89.30	Intersect N. bdy. of Tp. 36 lks W. of the cor. of sec. 4 5. 32 and 33

Thence we run
S 0° 11' W on true line bet secs. 4 and 5.
Ascend.

2.30	Top of spur projects N. W. Descend
9.30	Enter aspen Ascend
49.30	Set a sand stone 14 x 10 x 3 ins. 9 ins. in ground, for 1/4 sec. cor. marked 1/4 on N. face, from which An aspen 6 ins. diam. bears N. 82° E. 15 lks. dist. marked 1/4 S. 4 B. T. An aspen 10 ins. diam. bears S. 87° W. 35 lks. dist. marked 1/4 S. 5 B.

Subdivision T. 6. N. R. 4 E. Continued

chs	
	Descend
51.30	Head of draw drains S. E.
	Ascend gradually and leave aspens
59.30	Top of spur projects S. E. Descend
	Abruptly.
89.30	The cor to secs. 4, 5, 8 and 9.
	Land mountainous
	Soil Stony 2nd and 3rd rates
	Timber aspens on 42.00 chs.
	Mountainous land on 89.30 chs.
	Sept. 23, 1899 At this cor we set off 0°12' S. on the decl. arc: and at 12 hr 00 m m. l. m. t. observe the sun on the meridian: the resulting lat. is 41°16' N.

	From corner to secs. 31 & 32 on S. Bdy of Tp we run N 0°04' W. bet secs. 31 and 32 Over mountainous land, through scrub aspen. Descend
6.00	Bottom of ravine drains S. E.
	Ascend.
30.00	Top of spur projects S. E. Descend
	Enter scattering aspen timber
40.00	Set a boulder 16 x 8 x 6 ins. 11 ins. in ground, for 1/4 sec. cor. marked 1/4 on W. face, from which
	An aspen 8 ins. diam. bears N. 36 E. 55 lks. dist. marked 1/4 S. 32 B. T.
	An aspen 6 ins. diam. bears S. 12 W. 121 lks. dist. marked 1/4 S. 31 B. T.
	Descend.
51.00	Bottom of draw drains E. Ascend
65.00	Point of spur projects E. Descend
70.00	Enter scattering dead pine timber.
80.00	Set a boulder 16 x 12 x 3 ins. 11 ins. in ground, for cor to secs. 29, 30, 31 and 32

Subdivision T.6.N. R. 4 E. Continued

marked 1 notch on S and 5 notches on E. edges, from which
An aspen 10 ins. diam. bears N. 38 E 37 lks. dist. marked T.6.N.R.4 E.S. 29 B. T.
An aspen 8 ins. diam. bears S. 76 E. 77 lks. dist. marked T.6. N. R.4 E. S. 32 B. T.
An aspen 7 ins. diam. bears N. 10 W. 42 lks. dist. marked T.6.N. R 4 E. S. 30 B.T., and raised a mound stone 2 ft. base, 1½ ft. high W. of cor. Pits impracticable.
Land mountainous
Soil loam and gravelly 2nd and 3rd rates.
Timber aspens on 50.00 chs.
Mountainous land and undergrowth on 80.00 chs.

N 89 55 E on random line bet. secs. 29 and 32 over mountainous land, through aspens and willows
40.00 Set Temp. ¼ sec. cor.
80.15 Intersect N and S. line 2 lks. N. of cor. to secs. 28, 29, 32 and 33.
Thence we run
S 89° 56' W. on true line bet. secs. 29 and 32. Ascend
10.00 Top of spur projects S. W. Descend
15.15 Bottom of small draw drains S. W. Ascend.
20.15 Top of spur projects S. W. Descend
0.15 Bottom of small ravine drains S. 60° W. also small spring branch 14 links runs S 60° W. Ascend
40.07 Set a boulder 17 x 9 x 5 ins. 11 ins. in ound, in ¼ sec. cor. marked on

Subdivision T. 16 N. R. 14 E. Continued

chs.	
	on N. face, from which,
	An aspen 4 ins. diam. bears S. 41
	W. 15 lks. dist marked ¼ S. 32 B.T.
	An aspen 4 ins. diam. bears N. 15
	E. 30 lks. dist. marked ¼ S. 29 B.T.
43.15	Top of spur projects S. also enter
	scrub aspen & leave aspen
	timber. Descend
50.15	Bottom of ravine drains S.
	also spring branch 1 lk. wide
	1 ins. deep. Ascend rapidly.
60.15	Top of spur projects S.E. Descend
74.15	Bottom of ravine drains S.E.
	also spring branch 1 lk. wide
	1 ins. deep. Ascend Leave scrub
	aspens & enter aspen and willows
80.15	The cor to secs. 29, 30, 31 and 32.
	Land mountainous
	Soil Gravelly 2nd rate
	Timber aspen on 43.00 chs.
	mountainous land & under-
	growth on 80.15 chs.

	S 89 55 W on random line bet. sec. 30 & 31
	Over mountainous land through
	dead pine timber
40.00	Set Temp. ¼ sec. cor.
59.98	Intersect W. bdy. of Tp. 14 lks. N.
	of cor. to secs. 30 & 31
	Thence we run
	N. 89° 47' E. on true line bet. secs.
	30 & 31 Ascend
18.00	Top of plateau, or top of divide,
	also enter scattering aspens &
	pine. Descend.
19.98	Set a boulder 16 X 8 X 6 ins. 11 ins
	in ground for ¼ sec. cor.
	Marked ¼ on N. face, from

Subdivision T. 6 N. R. 4 E. Continued

chs.	
	which
	An aspen 10 ins. diam. bears S 47 E.
	106 lks. dist. Marked 1/4 S. 31 B. T.
	An aspen 6 ins. diam. bears N 68
	W. 210 lks. dist. Marked 1/4 S. 30 B. T.
50.00	Leave scattering pines and aspens.
59.98	The cor. to secs. 29, 30, 31 and 32.
	Land mountainous
	Soil Gravelly 3rd rate
	Timber pine and aspen 32.00 chs.
	Mountainous land and under-growth on 59.98 chs.
	N 0° 04' W. bet. secs. 29 and 30.
	Over mountainous land
	through scrub aspens and willows
	Descend
1.00	Bottom of ravine drains S. E.
	Leave willows, enter thick
	choke cherry and scrub aspens.
22.00	Top of plateau, or divide, Leave
	choke cherry and scrub aspen.
	Enter sage brush. Ascend gently
40.00	Set a boulder 16 x 12 x 8 ins. 11 ins.
	in ground for 1/4 sec. cor. marked
	1/4 on W. face, and raised a mound
	stone 2 ft. base 1 1/2 ft. high
	of cor Pits impracticable
75.00	Wagon road bears N. W. and S. E.
80.00	Set a boulder 16 x 10 x 5 ins. 11 ins.
	in ground, for cor to secs. 19, 20, 29, 30
	Marked with 2 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 Gravelly 3rd rate
	No timber

Subdivision of T. 6 N. R. 4 E. Continued

chs.	
	Mountainous land ~~[illegible]~~ under-growth on 80.00 chs.
	Sept. 24, 1899 at 8 hrs 00 m A. m. l. m. t. we set off 41° 14' N on the lat. arc: 0° 30' S. on the decl. arc: and determined a true meridian with the solar at the cor. to secs. 19, 20, 29 and 30. Thence we run N 89° 56' E. on random line bet. sec. 20 and 29
40.00	Set Temp. ¼ sec. cor.
80.10	Intersect N. and S. line 2 lks. S. of of cor. to sec. 20, 21, 28 and 29 Thence we run S. 89° 55' W. on true line bet. secs 20 and 29. Ascend.
10.00	Head of ravine drains drains N.E. Enter swamp.
15.00	Leave swamp.
40.05	Set a boulder 16×14×10 ins. 11 ins. in ground. for ¼ sec. cor. Marked ¼ on N face, from which An aspen 8 ins. diam. bears S. 7° 30' W. 59 lks. dist. Marked ¼ S. 29 B. T. An aspen 12 ins. diam. bears N. 36 W. 70 lks. dist. Marked ¼ S. 20 B. T. Descend
55.00	Top of spur projects. N.W. Leave timber.
80.10	The cor. to sec. 19, 20, 29 and 30. Land Mountainous Soil Gravelly 3rd rate Timber on 55.00 chs. Land Mountainous on 80.10 chs.

Subdivision T. 6 N. R. 4 E. Continued

chs.	
	S. 89° 47' W. on random line bet. secs. 19 & 30 Over slight descending land through sage brush.
40.00	Set Temp. 1/4 sec. cor.
60.06	Intersect W. bdy. of Tp. 19 lks. south of cor. to secs. 19 & 30.
	Thence we run
	N. 89° 58' E. on true line bet. secs 19 & 30. Descend gently.
10.06	Bottom of draw drains S. W. Ascend.
20.06	Set a boulder 18 x 12 x 8 ins. 12 ins. in 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.
55.06	Wagon road bears N. W. & S. E.
60.06	The cor. to secs. 19, 20, 29 & 30.
	Land Mountainous
	Soil Stony 3rd rate
	No timber
	Mountainous land & under-growth on 60.06 chs.

	N. 0° 04' W. bet. secs. 19 & 20. Over slightly ascending land, through sage brush.
11.00	Leave plateau, or divide, & commence to descend, also enter aspens & patches of willows, over spurs & hollows.
40.00	Set a boulder 16 x 8 x 6 ins. 11 ins. in ground, for 1/4 sec. cor. Marked 1/4 on W. face, from which
	An aspen 6 ins. diam. bears S. 62° E 67 lks. dist. Marked 1/4 S. 20

Subdivision T. 6 N. R. 4 E. Continued

chs	
	B.T.
	An aspen 6 ins. diam. bears N. 77 W. 38 lks. dist. marked 1/4 S. 19 B.T.
52.00	Bottom of draw drains E. ascend
68.00	Top of spur projects N. E. descend
75.00	Head of draw drains E. ascend
80.00	Set a boulder 18 x 12 x 5 ins. 12 ins. in ground, for cor. to secs. 17, 18, 19 & 20 marked with 3 notches S. and 5 notches E. edges, from which
	An aspen 7 ins. diam. bears N. 68° E. 43 lks. dist. marked T. 6 N. R. 4 E. S. 17 B.T.
	An aspen 6 ins. diam. bears S. 62 E. 59 lks. dist. marked T. 6 N. R. 4 E. S. 20 B.T.
	An aspen 6 in. diam. bears S. 73 W. 13 lks. dist. marked T. 6 N. R. 4 E. S. 19 B.T.
	An aspen 5 ins. diam. bears N. 49 W. 28 lks. dist. marked T. 6 N. R. 4 E. S. 18 B.T.
	Land mountainous
	Soil Gravelly & loam 2nd & 3rd rates.
	Timber aspen on 70.00 chs.
	Mountainous land & undergrowth on 80.00 chs.

	N. 89° 55' E. on random line bet. secs 17 & 20 over mountainous land through aspens & willows.
40.00	Set Temp 1/4 sec. cor.
80.08	Intersect N. & S. line 13 lks. S. of cor. to 16, 17, 20 & 21.
	Thence we run
	S. 89° 49' W. on true line bet. secs 17 & 20

Subdivision T.6.N.R.4 E. Continued

chs.	
	Ascend.
10.00	Top of spur projects N. Leave aspen timber Descend steep W. slope.
28.00	Bottom of ravine drains N 15° W. Ascend
30.00	Point of spur projects N. Junction of ravine 4.00 chs. N. Descend.
33.00	Bottom of ravine drains N. E. Ascend abruptly
40.04	Set a boulder 14 x 8 x 7 ins. 9 ins. in 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	Commence ascend gently
76.00	Enter aspen and willows
80.08	The cor to secs. 17, 18, 19 and 20. Land Mountainous Soil Stony and gravelly 2nd and 3rd rate. Timber aspen on 14.00 chs. Mountainous land and undergrowth on 80.08 chs.
	S. 89° 58' W. on random line bet. sec. 18 and 19 Over mountainous land through scrub aspen and scattering willows
40.00	Set Temp. 1/4 sec. cor.
60.10	Intersect W. bdy. of Tp. 10 lks S of cor. to secs. 18 and 19 Thence we run S 89° 57' E on true line bet. secs. 18 and 19 Descend.
6.00	Bottom of ravine drains N. 15° W. also leave a few scattering pines and larb underbrush. Ascend

Subdivision T. 6 N. R. 4 E. Continued

chs	
13.00	Point of spur projects S. W. Descend
15.00	Bottom of draw, drains N. W. Ascend.
20.10	Set a boulder 16 x 10 x 6 ins. 11 ins. in 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.
23.00	Enter scrub aspen. Leave sage brush.
50.00	Top of spur projects N. E. Descend
57.00	Enter scattering underbrush.
60.10	The cor to secs 17, 18, 19 and 20. Land mountainous Soil Gravelly 2nd rate No timber mountainous land and underbrush on 60.10 chs.

N 0° 04' W. bet. secs. 17 and 18. Over rough mountainous land through scrub aspen and dense lark underbrush and willows. Ascend.

12.00	Top of spur projects N. E. Descend
40.00	Set a boulder 13 x 8 x 4 ins. 9 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. Located in a patch of willows
55.00	Bottom of ravine drains N. 10° E and N. Thence Ascending along E. slope near bottom. Ascend
75.00	Top of spur projects N. E. Descend
80.00	Set a boulder 15 x 10 x 6 ins. 10 ins. in ground, for cor. to secs 16, 17 and 18.

Subdivision T.6.N. R.4 E. Continued

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
Land Mountainous
Soil gravelly 3rd rate
No timber
Mountainous land and underbrush on 80.00 chs.
Sept. 24, 1899 At this cor. we set off 0°35′ S. on the decl. arc: and at 12 hs 00 m A. M. l.m.t. observe the sun on the meridian: the resulting lat. is. 41°15′ N.

N 89°49′ E on random line bet. secs. 8 and 17.

40.00 Set Temp. ¼ sec. cor.

80.20 Intersect N and S. line 23 lks. S of cor to secs. 8, 9, 16, and 17

Thence run
S. 89°39′ W. on true line bet secs 8 and 17, through dense oak brush
Ascend.

10.00 Leave oak brush.

19.00 Top of ridge bears N. 15 E. and S. 15 W. also enter aspen and willow
Descend.

38.00 Bottom of head of ravine drains N. E. Ascend

40.10 Set a boulder 15 X 12 X 6 ins. 10 ins. in ground, for ¼ sec. cor. marked ¼ on N face, from which
An aspen 9 ins. diam. bears N 2½° W. 42 lks. dist. marked ¼ S. 8 B. T.
An aspen 8 ins. diam. bears S 71° W. 24 lks. dist. marked ¼ S. 17 B. T.
Ascend.

aspen

Subdivision T. 6 N. R. 4 E. Continued

chs.	
63.00	Top of spur projects N. Enter dense underbrush. Descend.
71.00	Leave thick aspen w/ underbrush
73.00	Enter scattering pine.
74.00	Bottom of ravine also spring branch 1 lk. wide drains N. Enter oak brush. Ascend.
80.20	The cor. to secs. 7, 8, 17, & 18
	Land mountainous
	Soil gravelly 3rd rate
	Timber aspen 57.50 chs. scattering pine 7.20 chs.
	mountainous land w/ underbrush on 80.20 chs.

	N 89° 57' W. on random line bet. secs. 7 & 18. Over rough mountainous land through scattering scrub aspens w/ dense oak w/ hard underbrush
40.00	Set Temp. 1/4 sec. cor.
40.14	Intersect W. bdy. of Tp. 2 lks. N. of cor. to secs. 7 & 18.
	Thence we run
	S 89° 08' E. on true line bet. secs. 7 & 18. Descend in bottom of wide hollow.
40.14	Set a boulder 16 x 8 x 16 ins. 11 ins. in ground for 1/4 sec. cor. Marked 1/4 on N. face, from which
	An aspen 3 ins. diam. bears N 53 W. 27 lks. dist. Marked 1/4 S. 7 B. T.
	An aspen 4 ins. diam. bears S 42° E. 48 lks. dist. Marked 1/4 S. 18 B. T.
	Located in willows.
53.10	Top of spur projects N. E. Leave thick scrub aspen. Descend
54.10	Bottom of draw drains N.E.

Subdivision T.6.N.R.4 E. Continued.

chs

Descend.
60.14 The cor. of secs 7, 8, 17 & 18.
Land mountainous
Soil Gravelly 3rd rate.
Timber scrub. aspen 33.14 chs.
mountainous land on 60.14 chs.

N 0° 04' W. bet. secs. 7 & 8 over rough mountainous land. Descend through underbrush.
3.00 Bottom of small draw drains E. Ascend.
6.00 Point of spur projects E. Descend rapidly.
18.00 Bottom of draw drains E. Continue to descend.
21.00 Spur projects E. also Enter pine timber N. W. & S. E. Descend rapidly.
25.00 Bottom of ravine drains N. W. Leave pine. Enter oak & Ascend on W. slope.
40.00 Set a sandstone 18 x 12 x 3 ins. 12 ins. in ground, for 1/4 sec. cor. Marked 1/4 on W. face, from which
A oak 3 ins. diam. bears S. 41° E. 35 lks. dist. Marked 1/4 S. 8 B. T.
A oak 3 ins. diam. bears S 46½° W. 36 lks. dist. Marked 1/4 S. 7 B.T.
Descend gradually over small spurs & hollows draining W. Leave oak & underbrush all the way.
75.00 Bottom of draw drains W. Ascend
80.00 Set a sandstone 20 x 10 x 10 ins 15 ins. in ground. on cor. to secs

Subdivision T. 6 N. R. 4 E. Continued

chs.

5, 6, 7 and 8. Marked with 5 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.
Land mountainous
Soil Stony 3rd rate
Timber pine on 4.00 chs. oak on 55.00 chs.
Mountainous land and under-growth on 80.00 chs.

N. 89° 39' E on random bet. secs. 5 and 8.
40.00 Set Temp ¼ sec. cor.
80.25 Intersect N. and S. line 11 lks W of the cor. to secs. 4, 5, 8 and 9.
Thence we run
S 89° 44' W. on true line bet. secs. 5 and 8. Ascend
1 5.25 Spur slopes south. Descend
3 6.25 Bottom of main canon drains N. 80 W. also creek 15 lks. wide drains same. Ascend
40.12 ¼ sec cor falls in precipitous ledges and can not be set.
42.25 Spur slopes north Descend
50.25 Mouth of gulch drains N. Ascend
58.25 Top of spur projects N. W.
Set a limestone 16 X 10 X 4 ins. 11 ins. in ground, for a witness cor. to ¼ sec. cor. marked W.C. ¼ on N. face, from which
Lipine 10 ins. diam. bears S 5° 8 W. 59 lks. dist. marked ¼ S. & B. T.
No other trees, raised a mound of stone 2 ft. base, 1½ ft. high N. of cor. Pits impracticable
Descend.
65.25 Mouth of ravine drains N.

Subdivision T. 6 N. R. 4 E. Continued

76.25	Leave Pine timber. Ascend
79.00	Top of spur projects N. W.
~80.25	The cor. to secs. 5, 6, 7 and 8.
	Land mountainous
	Soil gravelly 3rd rate
	Timber Pine on 76.25 chs.
	Mountainous land and dense under-growth on 80.25 chs.

	N. 89° 58' W. on random line bet. secs. 6 and 7.
40.00	Set Temp. ¼ sec. cor.
60.40	Intersect W. bdy. of Tp. 7 lks. N. of cor. to secs. 6 and 7.
	Thence we run
	N. 89° 58' E on true line bet. secs. 6 and 7. Ascend through aspens
8.00	Leave aspens
13.40	Top of spur projects N. E. Descend through oak brush
20.40	Set a sandstone 14 x 8 x 6 ins. 9 ins in 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
30.00	Bottom of gulley drains N. Ascend.
40.00	Top of spur projects N. Descend
52.00	Gulch drains N. Ascend.
~60.40	The cor. to secs. 5, 6, 7 and 8.
	Land mountainous
	Soil Stony 3rd rate
	Timber aspens on 8.00 chs.
	Mountainous land on 60.40 chs.

Subdivision T. 6. N. R. 4 E. Continued

chs	
	N 0° 04' W. on random bet. secs. 5 and 6.
40.00	Set Temp. ¼ sec. cor.
89.67	Intersect N bdy. of Tp. 110 lks. W. of cor. to secs. 5, 6, 31 and 32.
	Thence we run
	S 0° 11' W. on true line bet. secs. 5 and 6.
	Ascend
17.67	Top of ridge bears N 70° W. and S. 70 E. Descend.
48.75	On account of abrupt ledges we set a limestone 18 x 6 x 6 ins. 12 ins. in ground, for witness cor. to ¼ sec. cor. marked W. C. ¼ on W. face, and raised a mound of stone 2 ft. base, 1½ ft. high W. of cor. Pits impracticable.
	Descend abruptly and enter pine.
49.67	¼ sec cor falls in abrupt ledges and is not set.
74.67	Bottom of main canon drains N 80 W. also creek 15 lks. wide.
	Ascend and leave pine.
86.67	Top of spur projects N. W.
89.67	The cor. to secs. 5, 6, 7 and 8
	Land mountainous.
	Soil Gravelly 3rd rate
	Timber pine on 16.92 chs.
	Mountainous land on 89.67 chs.
	Sept 24 1899

Subdivisions of T6N-R4E

General Description.

This township is very well adapted for grazing purposes for which it is extensively used.

In the heads of all the canons and ravines a good supply of rich and nutritious grasses may be found which furnishes the feed for both cattle and sheep pastured in this vicinity

The township is well watered by numerous springs of pure fresh water.

In the N.W. 1/4 of sec 2 there is a "wonder spring" where a stream of pure, fresh water springs from beneath a solid ledge of rock.

The northern portion of the township is exceedingly rough and rugged since it is cut by a deep and precipitous canon running from East to West.

The main divide between Lost Creek and Ogden drainage runs through the township from N.E. to S.W.

Hill canon drains southerly through the eastern portion of the township.

There is an abundance of small quaking asp and oak underbrush throughout the Tp but timber suitable for milling purposes is scarce and is found only in the northern portion of the Tp where the rough character of the country makes it of little value

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Subdivisions of T 6 N - R 4 E.

There are no indications of mineral in the township.

Frank E. Butler
David H Blossom
U.S. Dep Surveyors.

Volume
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R0261

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FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by ....., United States Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the survey of .....

showing the respective capacities in which they acted:

....., *Chainman.*

....., *Chainman.*

....., *Moundman.*

....., *Moundman.*

....., *Axman.*

....., *Axman.*

....., *Flagman.*

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted ....., United States Deputy Surveyor, in surveying all those parts or portions of the ..... of the ..... meridian, ... of ....., which are represented in the foregoing field notes as having been surveyed by him and under his direction; and that said survey has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the corner monuments established, according to the instructions furnished by the United States Surveyor General for .....

....., *Chainman.*

....., *Chainman.*

....., *Moundman.*

....., *Moundman.*

....., *Axman.*

....., *Axman.*

....., *Flagman.*

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

SEAL

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and 487
re blank.

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, ..., United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from ..... United States Surveyor General for ....., bearing date of the ..... day of ....., 189 , I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for ....., the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of .....

.....

.....

.....

..... of the .....

..... meridian, in the ..... of ....., which are represented in the foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for ..... and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey; and should any fraud be detected, I will suffe the penalty of perjury under the provisions of an Act of Congress approved August 8, 1846.

.....
United States Deputy Surveyor

Subscribed by said ....., and sworn to before me this ..... day of ....., 189

.....

SEAL

.....

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City Utah October 8th 1900, 189

The foregoing field notes of the survey of the subdivisions of Township 6 North Range 4 East of the Salt Lake Base & Meridian, Utah

executed by Frank E Baxter and David H Blossom under ~~his~~ their contract No. 223, dated January 21, 1899, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Jacob B Blc
United States 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.

.....
United States Surveyor General

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