Volume

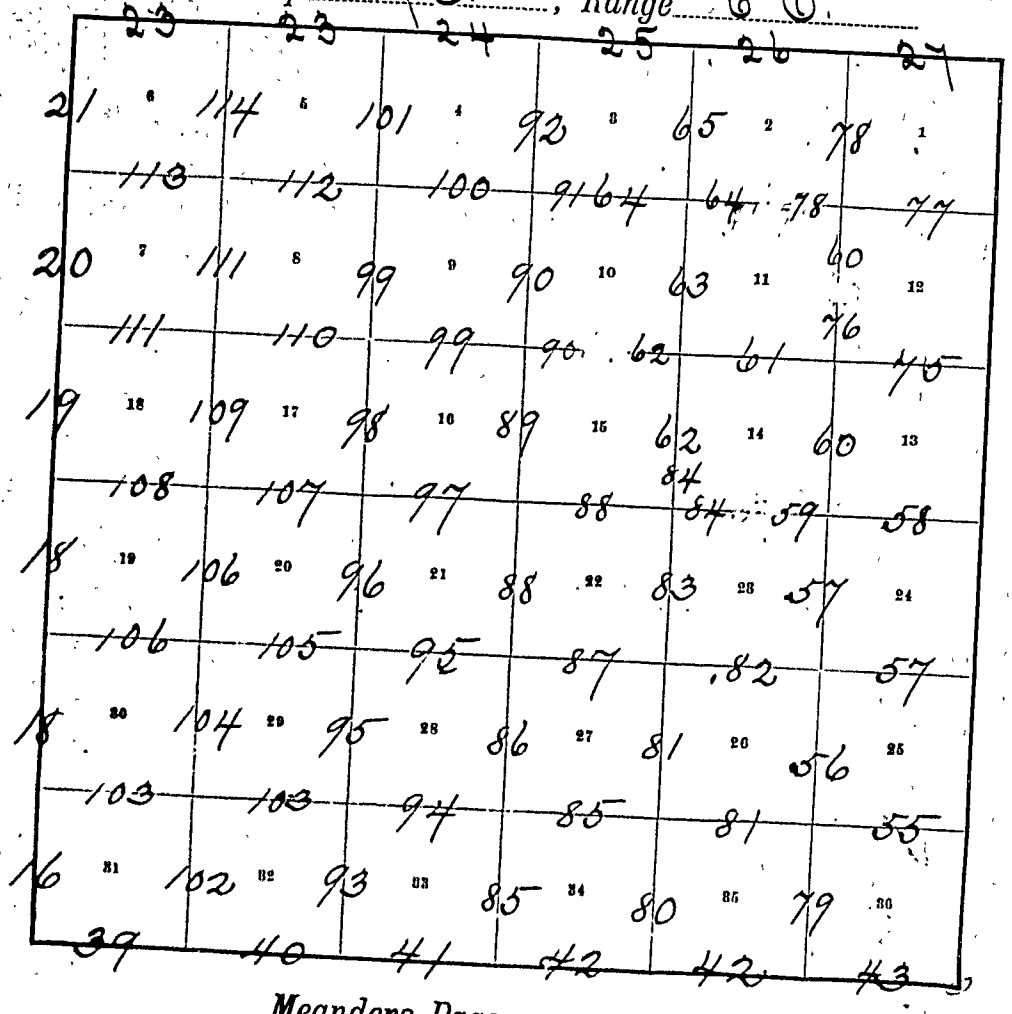
# #

R0275

BOOK A-275

INDEX DIAGRAM.

Township 14 S., *Range* 6 E.



Meanders Page.....

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 _____

_____, *Fl.*

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

SEAL

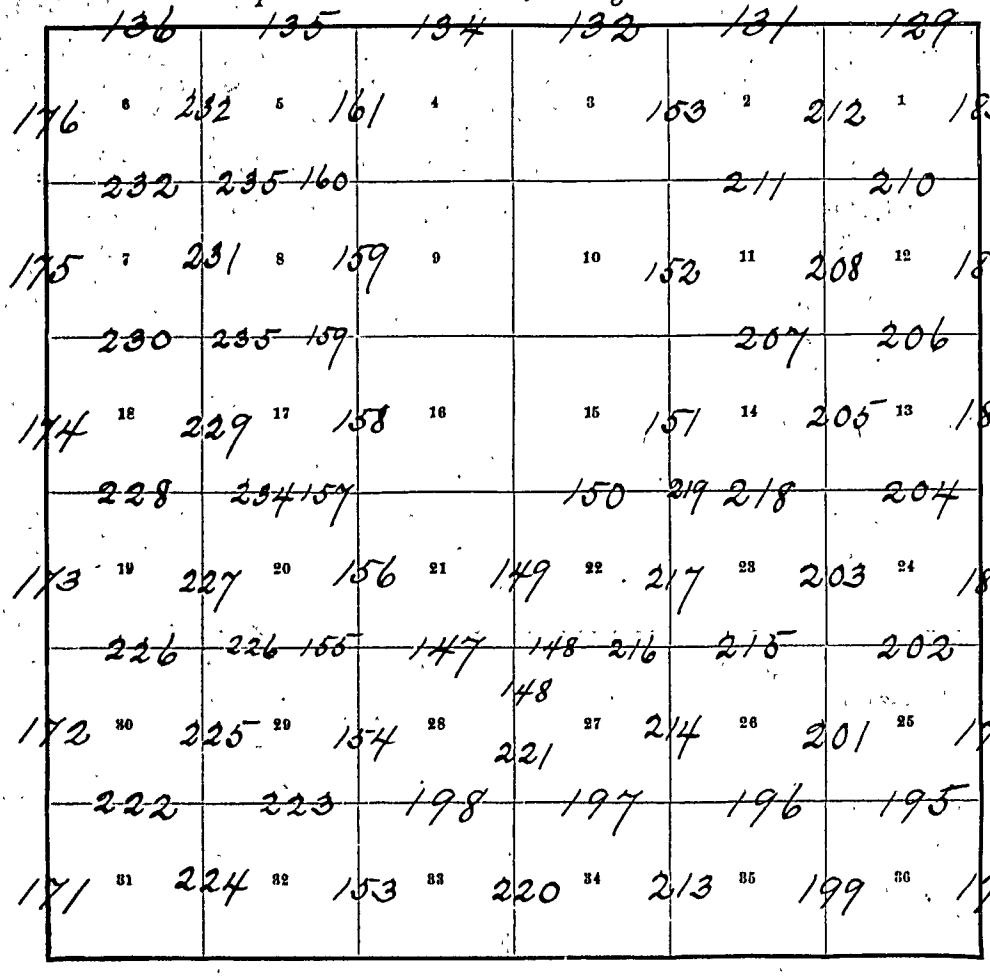
_____

_____

BOOK A-275

INDEX DIAGRAM.

Township 16 S, *Range* 6 E.



Meanders Page.....

PRELIMINARY OATHS OF ASSISTANTS.

We, _____ and _____

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

_____

_____, *Chainma*

_____, *Chain*

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' of corners, according to the instructions given us, to the best of our skill and ability, in the survey

_____

_____, *Mound*

_____, *Moundm*

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

SEAL

We, _____ and _____

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

_____

_____, *A*

_____

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

SEAL

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

_____, *Fl*

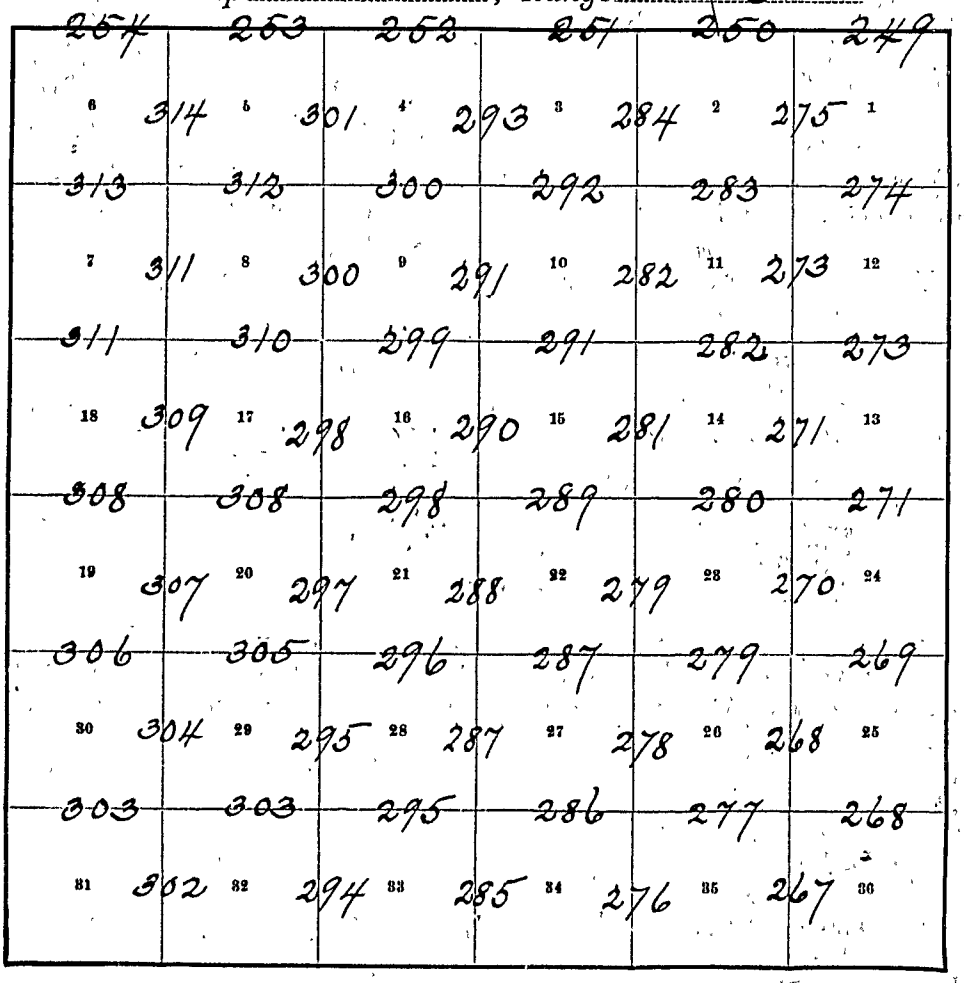
Subscribed and sworn to before me this _____ day of _____, 189

SEAL

BOOK A-275

INDEX DIAGRAM.

Township 16 S, *Range* 4 E.



Meanders Page.....

PRELIMINARY OATHS OF ASSISTANTS.

WE, _____ and _____

do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level th
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
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 establ
of corners, according to the instructions given us, to the best of our skill and ability, in the survey

_____

_____, *Mou.*

_____, *Moundma*

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

_____

SEAL

_____

WE, _____ and _____

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

_____

_____, *Axma*

_____, *Axma*

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

_____

SEAL

_____

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

_____, *Fla*

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

_____

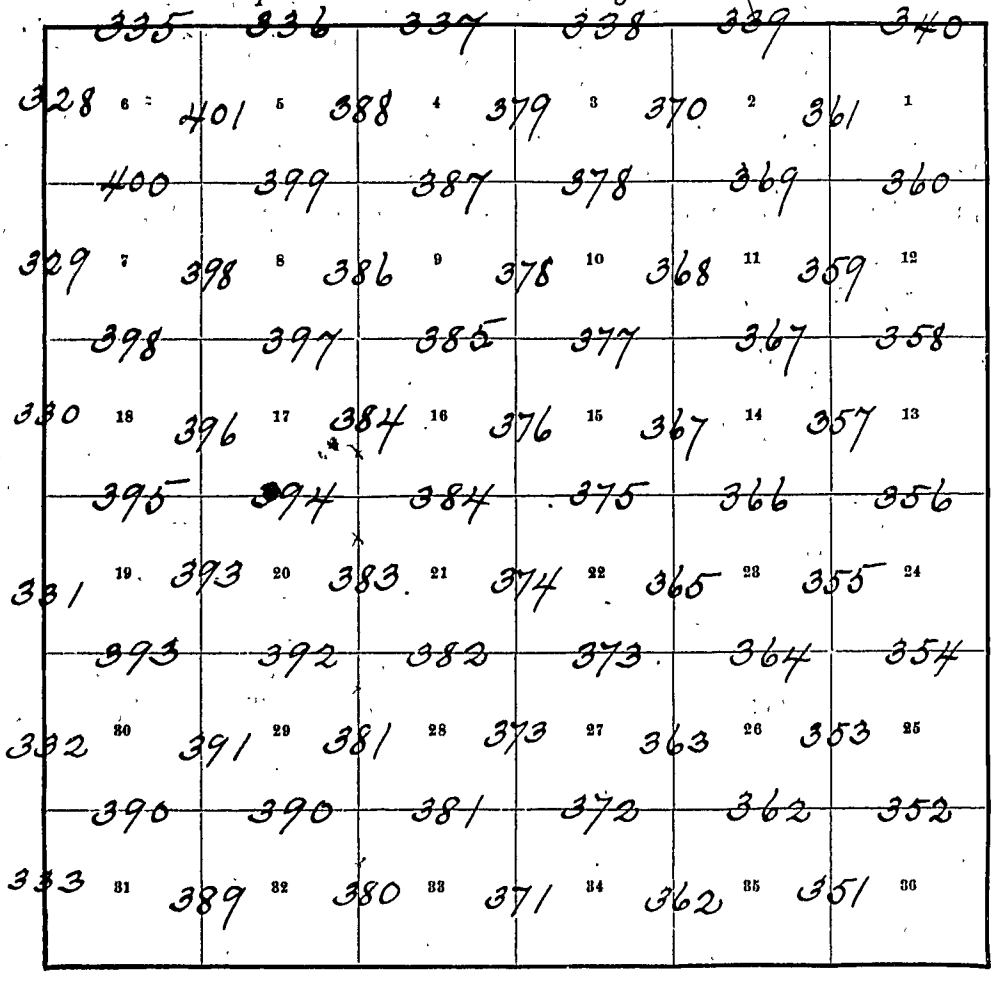
SEAL

_____

BOOK A-275

INDEX DIAGRAM.

Township 15 S, *Range* 7 E



Meanders Page.....

PRELIMINARY OATHS OF ASSISTANTS.

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

.....

..... Chainmen

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 monumen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey

.....

..... Mound

..... Mound

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

.....

..... Axe

..... Axe

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

SEAL

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

.....

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

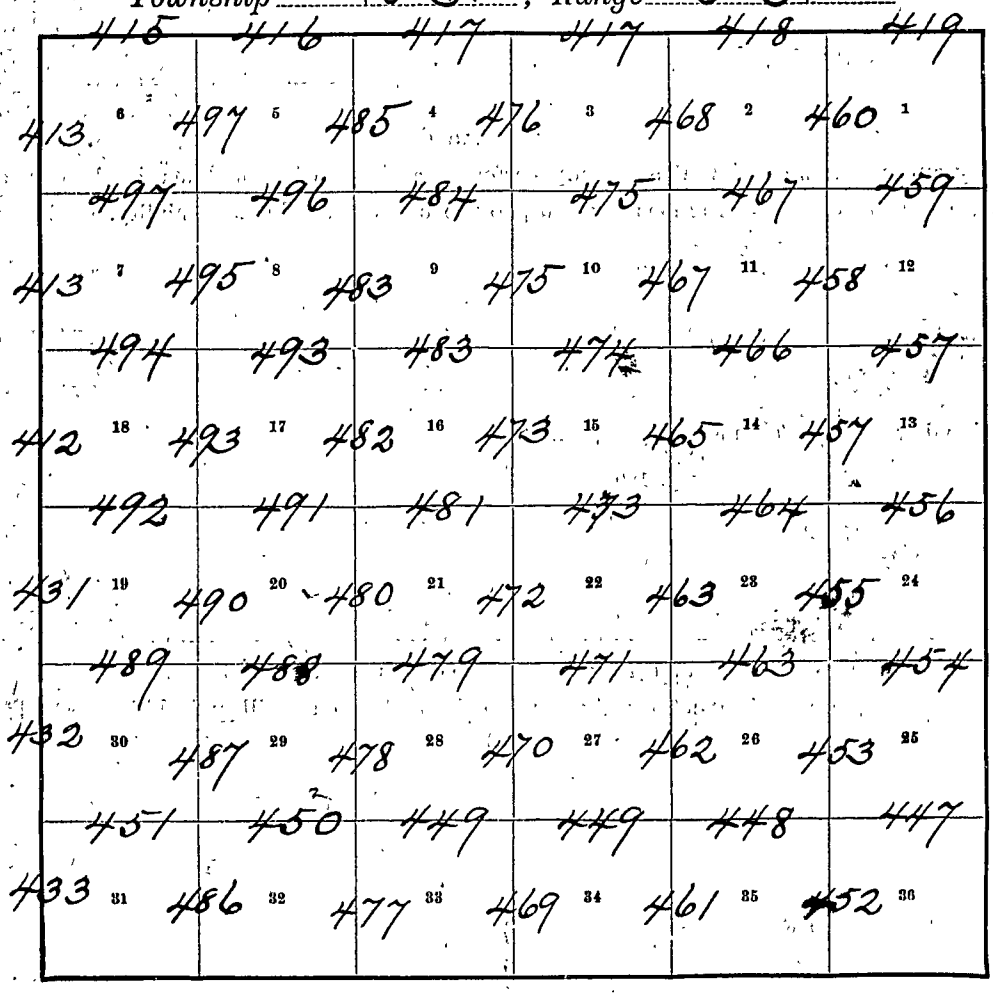
SEAL

.....

BOOK A-275

INDEX DIAGRAM.

Township 15 S., *Range* 6 E.



Meanders Page.....

PRELIMINARY OATHS OF ASSISTANTS.

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

_____

_____, *Chainma.*

_____, *Ch.*

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 _____ of corners, according to the instructions given us, to the best of our skill and ability, in the survey

_____

_____, *Mound*

_____, *Mou.*

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 _____ and other duties, according to instructions given us, to the best of our skill and ability, in the _____

_____

_____, *Ax.*

_____, *A*

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

_____

SEAL

_____

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

_____

_____, *Fla.*

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

_____

SEAL

_____

P
~~1~~—679.

K.H.B.

BOOK A-275

K.H.B.

FIELD NOTES

Resurvey and Retracement
OF THE ~~SURVEY~~ OF THE

West and North Boundary

of

T17S. R6E.

Of the Salt Lake Base and Meridian,

State of Utah

AS SURVEYED BY

James C Dick, United States Deputy Surveyor,

Under his Contract No. 233, dated November 24, 1899

Survey & retracement commenced June 16 1900, ~~189~~

Survey & retracement completed June 18 1900, ~~189~~

6—151

Resurvey N-Bdry-high m-ch-lks 5-70-63 ✓

Retracement N-Bdry-Low 6-27-24 ✓

NAMES AND DUTIES OF ASSISTANTS.

Earnest Toone	Chain
Oliver C London	Chainman
Jay Morrison	Moundman
David H Wood	Axman
Harry A Rager	Flagman

For preliminary affidavits see book B Sp 17 S Ro

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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.....

PRELIMINARY OATHS OF ASSISTANTS.

We, _____ and _____

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

_____

_____, *Chainm*

_____, *C*

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

_____

_____, *Moundma*

_____, *Moun*

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

_____

_____, *Axma*

_____, *A*

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

_____

_____

SEAL

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

_____

_____,

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

_____

_____

SEAL

Resurvey of the W. bdy of T. 17 S. R. 6 E.

Resurvey commence June 16-1900 and executed with a Bff and Burger light mountain transit with solar attachment. The horizontal limb is provided with two opposite verniers reading to single minutes of arc; which is also the least count of the verniers of the latitude and declination arcs.

I begin at the old cor. of Tps 17 and 18 S. Rs 5 and 6 E which is a sand stone 14x12 x 12 ins above ground marked and witnessed as described by the Surveyor General. Latitude 39°17' N Longitude 111°20' W.

In order to test the solar apparatus by comparing the results of observation on the sun made during A.M. and P.M. hours with a true meridian determined by observation on Polaris I proceed as follows.

At 4h 00m P.M. local time I set off 39°17' N on the Lat arc; 23°23' N on the decl. arc; and mark the true meridian thus determined with the solar by a groove on a stone first set in the ground 5 chs N of cor.

June 17-1900 at 1h 46m A.M. local time I observe Polaris at eastern elongation in accordance with instructions in the manual and mark the line thus determined by a tack in a wooden plug set in the ground 5 chs north of my station.

At 6h 40m A.M. local time I lay off the azimuth of Polaris 1°35' to the west and marked the true meridian thus determined by cutting a small groove in the stone set June 16 on which the true meridian fall 0.1 ins east of the mark determined by the solar.

At 7h 30m A.M. local time I set 39°17' N on the

Resurvey of the W bdy of T17 S R6 E continued

chains

Lat. arc: 23°24' N on the decl. arc: and marke a point in the true meridian determined with the solar by a groove on the stone already set 5 chs N of my station this mark fall 0.2 ins East of the true meridian established by the Polaris observation.

The solar apparatus by p.m. and a.m. observation defines positions for true meridian about 0.05" West and 0.11" East of the meridian established by the Polaris observation: therefore I conclude that the adjustments of the instrument are satisfactory

The magnetic bearing of the true meridian At 7°40 a.m. l.m.t. N16°06' W the angle thus determine reduce by the table page 100 give the mean mag. decl. 16°00' East

Preliminary to commencing the subdivisions of this Tp. resurvey the W. bdy. as follows At 7h 50m a.m. l.m.t. I sight on the true meridian established by observation on Polaris

Thence I run

North on a blank line bet secs 31 and 36 at 40.00 chs. I find the 1/4 sec. cor. S60 E., 100 lks. dist. and at 80.00 chs. the cor of secs 25, 30, 31 and 36 S65°54' W 47 lks. dist. therefore I continue my line north I find the W. bdy. defective in measurement and alinement and that most of the corners are destroyed. At 5 miles 70.63 chs I intersect the old cor. of Tps. 16 and 17 S. Rs. 5 and 6 E. which is a sand stone 20 x 16 x 18 ins above ground marked but not witnessed therefore I witnessed the same as follows:

A pine 6 ins diam. bears N40 E 3 lks dist marked T16 S R6 E S31 B.T.

An aspen 6 ins diam bears S75 E 21 lks. dist. marked T17 S R6 E S6 B.T.

An aspen 5 ins diam. bears S32° W 15 lks. dist.

marked T17 S R5 E. S. 1 B.T.
An aspen 10 ins diam. bears N11 W 11 lks dist.
marked T16 S R5 E, S. 36 B.T.
June 17-1900 At the old cor of Tps 17 and 18 S
R 5 and 6 E. I set off 23°24' N on the decl. arc:
and at 12h00m a.m. l.m.t. observe the sun
on the meridian the resulting Lat. is
39°17' N
Thence I run
North bet secs 31 and 36
Over mountainous Land. Descend
9.75 Cottonwood river 30 lks wide 12 ins deep drains
S E Ascend abruptly
20.00 Top of abrupt ascend thence ascend gently
also enter sage brush
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
From this cor. the old 1/4 sec. cor. bears S 60° W.
100 lks dist. I destroyed all traces of old cor.
53.00 Creek 10 lks wide 4 ins deep drains E.
67.00 Enter scattering cedars and pine
80.00 Set a sand stone 18 x 10 x 8 ins 12 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: and raise a mound of
stone 2 ft base 1½ ft high W. of cor.
Pits impracticable
From this cor. the old sec. cor. bears S 65°54' W.
147 lks dist. I destroyed all traces of old
Land mountainous
Soil gravelly 3rd rate
Timber scrub cedars and pine on 13.00 chs.
Mountainous land on 80.00 chs.

Resurvey of the W bdy of T17SR6E

chains	
	North bet secs 25 and 30
	Over mountainous land through scattering scrub cedars and pine Ascend
40.00	Set a sand stone 16x10x8 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 1 1/2 ft high W of cor. Pits impracticable
	No trace of old cor. could be found
51.00	Commence Ascend rapidly
80.00	Set a sand stone 18x8x4 ins 12 ins in the ground for cor of secs 19 24 25 and 30 marked with 4 notches on N and 2 notches on S edges and raise a mound of stone 2 ft base 1 1/2 ft high W of cor.
	Pits impracticable
	No trace of old sec cor. could be found
	Land mountainous
	Soil gravelly 3rd rate
	Timber scattering scrub cedars and pine
	Mountainous land on 80.00 chs.
	North bet secs 19 and 24
	Over mountainous land through service berry brush Ascend
10.50	Top of wide spur projects E Descend
40.00	Set a sand stone 16x10x4 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 1 1/2 ft high W of cor. Pits impracticable
	After diligent search old cor. cannot be found
41.00	Commence descend rapidly
59.00	Enter pine timber
62.50	Left fork of Sawry river creek 10 lks wide 6 ins deep drains E Leave timber enter dense underbrush Ascend abruptly
80.00	Set a sand stone 18x10x4 ins 12 ins in the ground for cor. of secs 13 18 19 and 24

Chains

marked with 3 notches on N and S. edges; and raise a mound of stone 2 ft. base 1½ ft. high W. of cor. Pits impracticable
After diligent search no signs of old cor can be found
Land mountainous
Soil stony 3rd rate
Timber pine on 21.00 chs.
Mountainous land and dense undergrowth on 8.00 chs.

North bet secs 13 and 18
Over mountainous land through dense brush. Ascend rapidly
21.00 Commence ascend gradually
11.00 Set a sand stone 16 x 10 x 4 ins 11 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. Pits impracticable
After diligent search the old cor cannot be found
55.00 Enter young aspens
65.00 Top of spur projects SE. continue ascending
80.00 Set a sand stone 18 x 9 x 9 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 raise a mound of stone 2 ft base 1½ ft high W of cor. Pits impracticable
Trees not suitable for bearing objects
After diligent search within the radius of 5 chs. old cannot be found
Land mountainous
Soil stony 3rd rate
Timber young aspens on 25.00 chs.
Mountainous land and dense undergrowth on 8.00 chs.

Resurvey of the T17 S. R. 6 E. continued

Chains	
	North bet secs 7 and 12
	Over mountainous throughout small
	aspens Ascend
16.00	Top of spur project E Descend
25.00	Head of Draw drains E Ascend
28.00	Leave aspens E and W enter edge brush
	Ascend abruptly
38.00	Top of spur projects E Descend
40.00	Set a sand stone 16 x 14 x 6 ins in the
	ground for 1/4 sec cor marked W on N face
	and raise a mound of stone 2 ft. base 1 ft.
	high W of cor. Pits impracticable
	From this cor the old 1/4 sec cor bears S. 20° W.
	150 lks dist. I destroyed all traces of old cor.
47.00	Enter pine and aspens timber
57.00	Bottom of gulch drains N.E. leave pine
	and aspen timber E and W enter dense young
	aspens Ascend abruptly
65.00	Leave aspens E and W enter scattering pine
75.00	Top of spur projects N 5 E enter dense pine
	timber Descend abruptly
80.00	Set a sand stone 16 x 12 x 4 ins 11 ins in the
	ground for cor of secs 1, 6, 7 and 12 marked
	with 1 notch on W and 5 notches on S.
	edges from which
	A pine 14 ins diam bears N 21 E 65 lks dist
	marked T17 S, R6 E, S6 B.T.
	A pine 12 ins diam bears S 88½ E 11 lks dist.
	marked T17 S, R6 E, S7 B.T.
	A pine 8 ins diam bears S 30 W 26 lks dist.
	marked T17 S R5 E S12 B.T.
	A pine 7 ins diam bears N 8° W 32 lks dist.
	marked T17 S R5 E S1 B.T.
	After diligent search no signs of old cor could be
	found
	Land mountainous
	Soil stony 3rd rate
	Timber Aspens on 27 00 chs
	Pine on 25 00 chs
	Mountainous land on 8 00 chs

Resurvey of the W bdy of T17 S R6 E continued

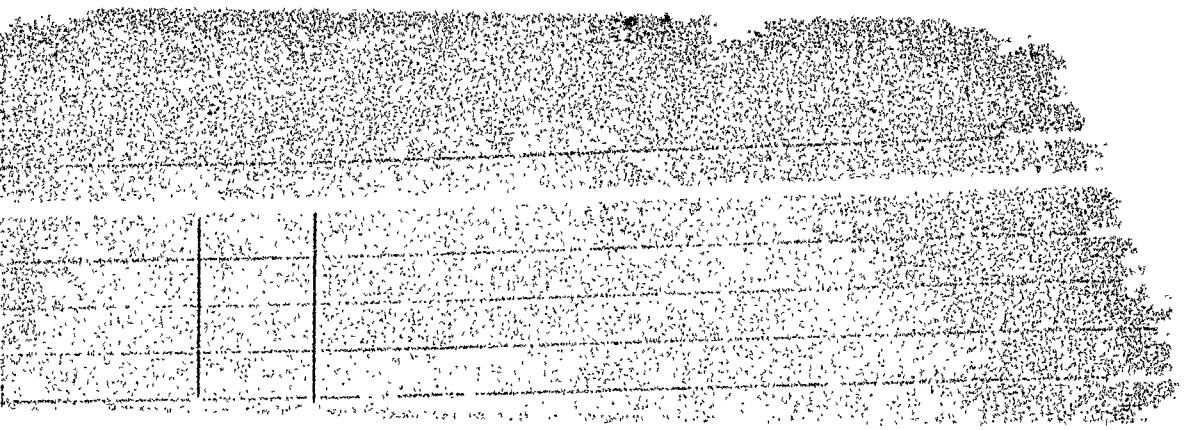
chains

North bet. secs. 1 and 6
Over mountainous land through pine timber. Descend abruptly
2.00 Leave pine timber enter aspens
14.00 Bottom of gulch drains S E Ascend abruptly
16.00 Leave aspens E and W enter scattering mohogany
25.00 Leave mohogany enter young aspens
40.00 Set a sand stone 18 x 10 x 8 ins 12 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
From this cor. the old 1/4 sec. cor. bears S 5° W. 100 lks dist. I destroyed all traces of old cor. Corner located in small aspens
47.00 Top of spur project E leave small aspens enter dense pine and aspens timber
70.63 Intersect the old cor of Tps 16 and 17 S. Rs 5 and 6 E heretofore described
Land mountainous
Soil stony 3rd rate
Timber aspens on 61.63 chs
Pine on 27.63 chs
Mohogany on 7.00 chs
Mountainous land on 70.63 chs

June 17 - 1900

For the general description see note of the subdivision of this township

James C Dick
U S Dep Survey



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Retracement of the N. bdy of T17 S R6 E

Chains

Retracement commence June 18-1900 and executed with a Buff and Burger light mountain transit with solar attachment for a description of which see notes of W. Bdy in this book
For a complete test of the solar apparatus see notes of the resurvey of the W. bdy of this Tp in this book
June 18-1900 At 9h 00m a.m. l.mgt. I set off 39.23 N on the Lat. arc 23.25 N on the decl. arc: and determine a true meridian with the solar at the old cor. of Tps 16 and 17 S. Rs. 5 and 6 E heretofore described
Thence I run
East on a retracement line bet. secs 6 and 31
Over mountainous land through dense pine and aspen timber Descend
3.00 Small draw drains N.E. Descend along N. slope
36.00 timber N and S enter young aspens
39.90 Intersect old 1/4 secs cor which is a lime stone 16x16x15 ins above ground marked and witnessed as described by the Surveyor General.
50.00 Leave aspens N and S enter oak and sage brush also enter Lower Joe's valley
78.54 Intersect old sec cor of secs. 5, 6, 31 and 32 which is a sand stone 18x17x10 ins above ground marked and witnessed as described by Surveyor General.
Land mountainous
Soil stony 3rd rate
Timber pine and aspens on 36.00 chs
Yound aspens on 14.00 chs
Mountainous land on 78.54 chs

East on retracement line bet. secs. 5 and 32
Over mountainous land through sage brush Descend
3.00 Enter moke on brush

Retracement of the W. bdy. of T17 S. R4 E. cont.

chains	
11.00	Road bears N. and S.
22.00	Black Creek 10 lks wide 10 ins deep drains S.E.
24.00	Leave Mahogany N. and S.
40.00	After diligent search within radius of 5.00 chs the old 1/4 sec. cor. could not be found therefore I set a sand stone 16 x 12 x 4 ins 11 ins in the ground for 1/4 sec. cor. marked 1/4 on X face and raise a mound of stone 2 ft. base 1 ft. high N. of cor. Pits impracticable
42.50	Lawry River 20 lks. wide 6 ins deep drains S. Ascend
45.00	Commence descend abruptly also leave valley
80.00	Intersect the old cor. of secs. 4, 5, 32 and 33 which is a sand stone 16 x 10 x 14 ins above ground marked and witnessed as described by the Surveyor General
	Sand Mountainous
	Soil stony 3rd rate
	Timber stone
	Mountainous land and thick undergrowth on 80.00 chs

East on retracement line bet. secs. 4 and 5.
Over mountainous land through thick brush
Ascend abruptly

6.00	Top of ridge bears N.W. and S.E. Descend
40.00	Fell 33 lks S. of old 1/4 sec. cor. which is a sand stone 12 x 6 x 12 ins. above ground marked and witnessed as described by the Surveyor General. The course of this line is therefore N. 87° 32' E. from the 1/4 sec. cor. I run East
40.60	Road bears N. 15° E. and S. 10° W.
42.00	Right fork of Lawry River Creek 10 lks wide 4 ins deep drains S. 10° W. Ascend
58.00	Commence descend abruptly broken ledges.
80.00	After diligent search within the radius of 6 chs. the old sec. cor. could not be found therefore I

continued my line E.
85.00 Enter pine timber
97.00 Leave the same N. and S.
104.33 Fall 52 lks S of old cor of secs. 3 4 33 and 34
which is a sand stone 10 x 6 x 13 ins above
ground marked and witnessed as described
by the Surveyor General.
The course of this line is therefore N. 89° 32' E.
Land mountainous
Soil stony 3rd rate
Timber pine 12,00 chs
mountainous land and dense undergrowth
on 104.33 chs.
June 18-1900 At this cor. I set off 23° 25' N on
the decl. arc: and at 12h 00m a.m. l.m.t.
observe the sun on the meridian the
resulting Lat is 39° 23' N.

East on a retracement line bet. secs. 3 and 34
Over mountainous land through sage
brush Ascend
3.90 Top of ridge, bears N. 20° E and S. 15° W.
Descend rapidly along S.E. slope of spur
33.00 Enter Aspens timber
40.00 Fall 82 lks S of old 1/4 sec. cor. which is a
sand stone 10 x 10 x 6 ins above ground
marked but not witnessed therefore
I marked bearing trees as follows
An aspen 4 ins diam. bears N 26 W 39 lks dist.
marked 1/4 S. 34 B.T.
An aspen 8 ins diam. bears S 54 W 38 lks dist.
marked 1/4 S. 3 B.T.
The course of this line is therefore N. 88° 49' E.
From the 1/4 sec. cor. I run E.
48.00 Top of spur projects S.E. Descend abruptly
through dense young aspens
80.00 Fall 83 lks. S of old cor. of secs. 2, 3, 34 and 35
which is a stationary sand rock 10 x 4 x 4 ft.

Retracement of the N bdy of T17 S R6 E cont.

chains	
	above ground marked and witnessed as described by the Surveyor General. The course of this line is therefore N 88° 49' E. Corner located in dense small aspens. Land mountainous Soil stony 3rd rate. Timber aspens on 4700 chs. Mountainous land on 8000 chs.
	East on retracement line bet. secs. 2 and 35 Over mountainous land through dense young aspens. Descend
8.50	Road bears N. and S.
9.50	Bottom of N Cottonwood canon spring branch 1 lks wide 1 in deep drains S. also leave dense aspens enter scattering aspens Ascend
37.00	Leave aspens N. and S.
40.00	Intersect old 1/4 sec. cor which is a sand stone 10 x 8 x 6 ins above ground marked and witnessed as described by the Surveyor General
48.00	Top of spur project S.W. Descend under aspens
78.00	Bottom of gulch drains S 65° W also enter fine timber Ascend
80.00	Intersect old cor. of secs. 1, 2, 35 and 36 which is a sand stone 12 x 9 x 9 ins above ground marked but not witnessed therefore I witnessed the same as follows. An aspen 4 ins diam. bears N 49° E. 12 lks. dist. marked T16 S R6 E S36 B.T. An aspen 4 ins diam bears S 81° E. 13 lks. dist. marked T17 S. R.6 E. S. 1 B.T. A pine 8 ins diam. bears S 15½ W. 18 lks. dist. marked T17 S. R.6 E. S2 B.T. An aspen 5 ins diam. bears N 1° W 9 lks. dist. marked T16 S R6 E S. 35 B.T. Land mountainous

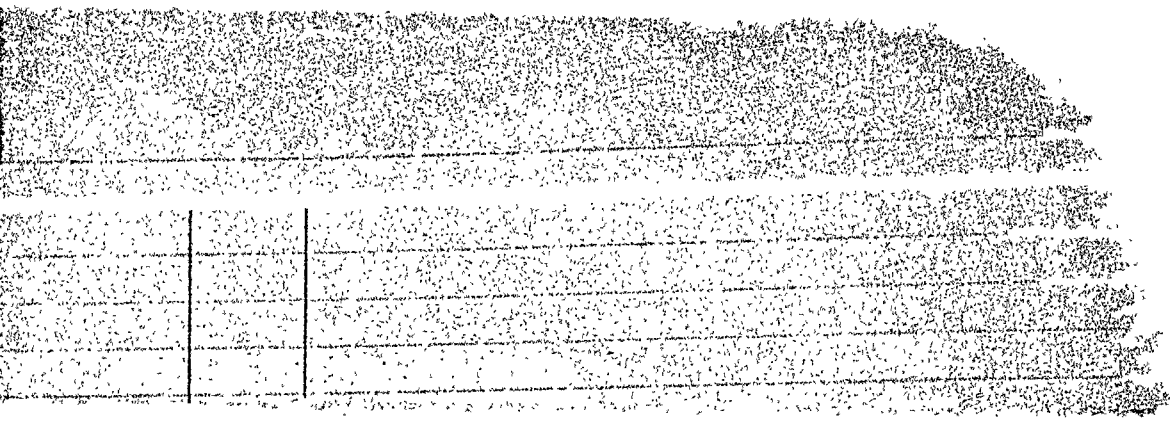
Retracement of the N bdy of T17 S R 6 E continued

Soil gravelly 3rd rate
Timber aspen on 67.00 chs. pine on 2.00 chs.
Mountainous land on 80.00 chs.

East on retracement line bet secs 1 and 36
Over mountainous land through pine
and aspens timber Ascend
46.07 Fall 5 lks S of old ms sec. cor. which is a sand
stone 4x6x6 ins above ground marked
but not witnessed. therefore I witnessed
the same as follows
An aspen 5 ins diam bears S 36 W 29 lks dist.
marked ms S 1 B.T.
An aspen 5 ins diam bears N 47 E 26 lks dist.
marked ms S 36 B.T.
50.00 Leave timber N and S enter sage brush
55.00 Top of wide ridge bears N.W. and S.E.
Descend gently.
83.00 Commence descend abruptly
84.37 Enter pine and aspen timber.
Intersect old cor of Tps 16 and 17 S. R. 6 E.
described in note of the retracement
of the W. bdy of T17 S. R. 7 E.
Land mountainous
Soil gravelly 3rd rate
Timber pine and aspens on 50.00 chs
Mountainous land on 84.37 chs.
June 18-1900

For the general description see notes of
the subdivision of this township

James C Dick
US Dep Surveyor



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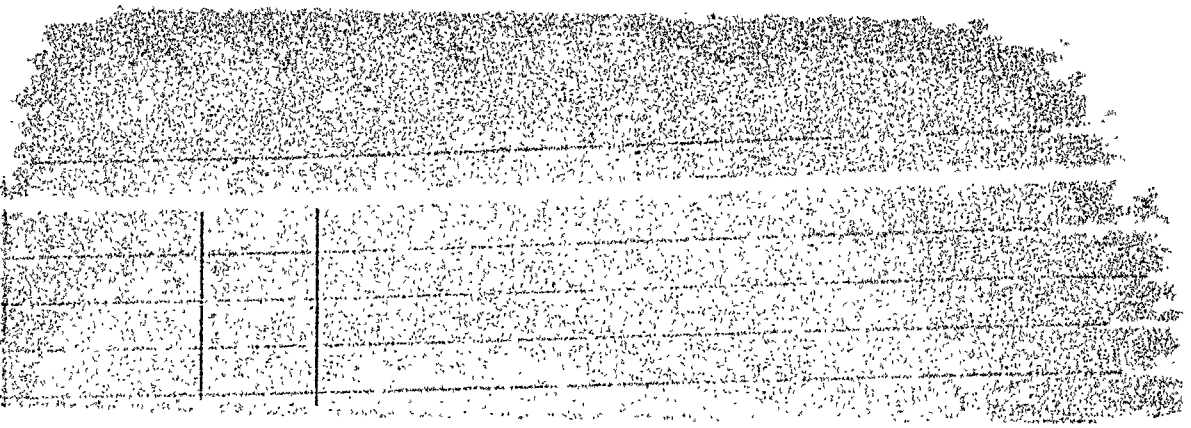

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FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

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:

For final affidavits see book 52 Lf. 15 S. R6 E.

....., *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 as been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the orner monuments established, according to the instructions furnished by the United States Surveyor eneral for .....

For final affidavits see book 52 Lf. 15 S. R6 E.

....., *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.

For final affidavit see book of 3 Jy 1 S.R.C.

.....
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, November 2 1906

The foregoing field notes of the survey of ~~the~~ retracement the West & North Boundaries of Township 17 South Range 6 East of the Salt Lake Base and Meridian Utah

executed by James C. Dick under his contract No. 233, dated November 24, 1899, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Edward H. Anderson
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-275

3.B.

FIELD NOTES

OF THE SURVEY OF THE

South Boundary

of

T.17S. R.6E.

Of the Salt Lake Base and Meridian,

State of Utah

AS SURVEYED BY

James C Dick, United States Deputy Surveyor,

nder his Contract No. 233, dated November 24, 1899

ırvey commenced June 19 1900, ~~189~~

rvey completed June 19 1900, ~~189~~

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S-Bdry-high M-Ch Rks-
5-68-10 ✓

BOOK A-275

NAMES AND DUTIES OF ASSISTANTS.

Earnest Toone	Chainman
Oliver C London	Chainman
Jay Morrison	Moundman
David H Wood	Axman
Harry A Rager	Flagman

For preliminary affidavits see book D Tp 17 S R 8 E.

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Volume

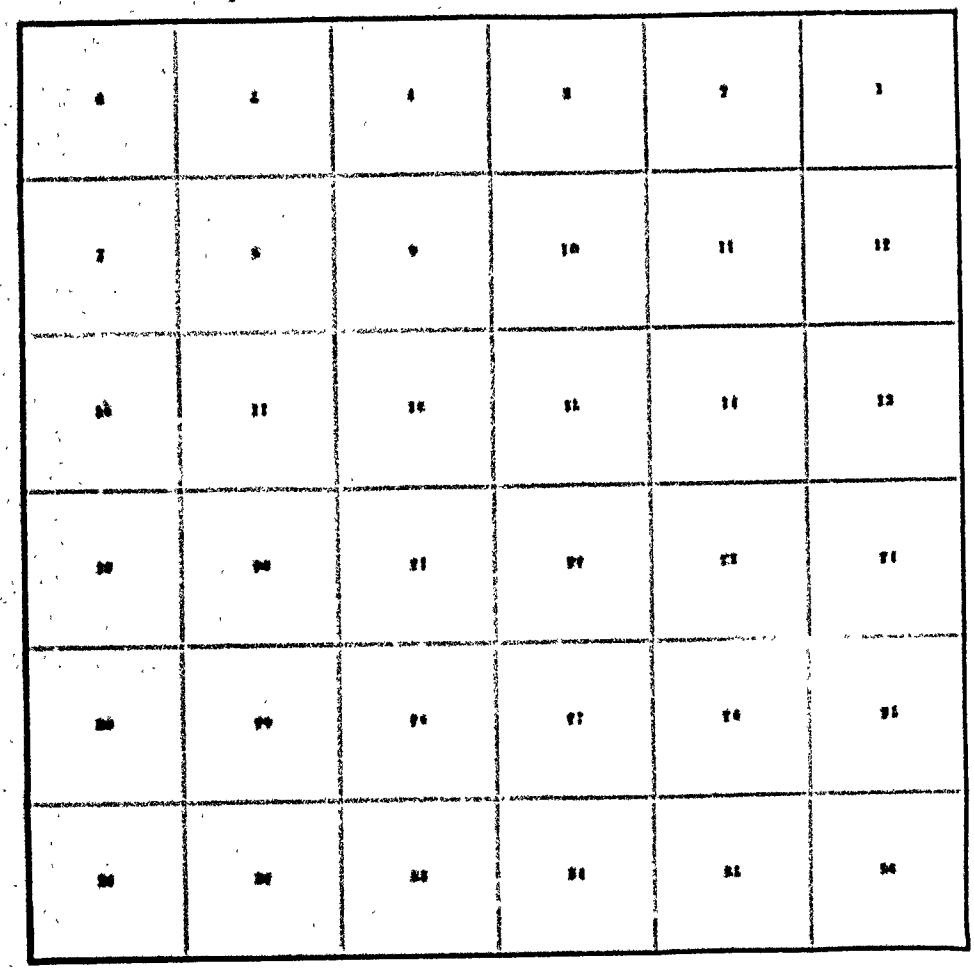
#

R0275

BOOK A-275

INDEX DIAGRAM.

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



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

_____, *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
_____

_____, *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
_____

_____, *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 _____

_____, *Flagman*

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

_____

SEAL

_____

South bdy of T17S R6E

Survey commenced June 19-1900 and executed with a Buff and Burger light mountain transit with solar attachment for a description of which see Book P.
For a complete test of the solar apparatus see notes of the resurvey of the W bdy of this Tp Book P.
At 8h 00m A.M. L.M.T. I set off 39°17' N on the Lat. arc; 23°27' N on the decl. arc; and determine a true meridian with the solar at the old 1/4 sec. cor. bet. secs 1 and 36 on the S bdy of this Tp. which is a sand stone 10x7x8 ins 8 ins above ground marked but not properly witnessed therefore I witnessed the same as follows
A pine 10 ins diam. bears N 6 1/2 W 23 lks dist. marked 1/4 S. 36 B.T.
A pine 14 ins diam. bears S 32 1/2 E 24 lks. dist. marked 1/4 S. 1 B.T.
Thence I run
West on a random line along the S bdy. of Tp 17 S R 6 E; setting temp sec: and 1/4 sec. cors. at intervals of 40.00 chs. and at 320.00 chs. I was unable to find the old 1/4 sec. cor. bet secs 5 and 32 I continue my line W. and at 468.10 chs. I intersect the old cor. of Tps. 17 and 18 S. R. 5 and 6 E. which a sand stone 14x12x14 ins. above ground marked and witnessed as described by the Surveyor General.
Thence I run
East on a true line bet secs 6 and 31
Over mountainous land Descend
13.00 Cottonwood river 30 lks wide 15 ins deep drains S 60° E Ascend
17.30 Commence ascend abruptly enter sage brush
35.00 Top of abrupt ascent thence descend gently
40.00 After diligent search within the radius of 5 chs. was unable to find the old 1/4 sec. cor.
68.10 Set a sand stone 16x10x8 ins 11 ins in the ...d. or 1/4 sec. cor. marked 1/4 on N. face;

South bdy

and raise a mound of stone 2 ft base 1½ ft high
N of cor. Pits impracticable
64.00 Pole fence bears N 3° E and S 3° W.
102.00 Road bears N and S.
108.10 Set a sand stone 10 x 10 x 6 in 7 ins in the
ground for cor. of secs. 5, 6, 31 and 32 marked
with 1 notch on W and 5 notches on E edges;
and raise a mound of stone 2 ft. base 1½ ft.
high W of cor. Pits impracticable
I find no signs of the old sec. cor.
Land mountainous
Soil gravelly 3rd rate
Timber none
Mountainous land and dense undergrowth
on 108.10 chs.
June 19-1900 At this cor. I set off 23°27' N.
on the decl. arc; and at 12h 00m A.M. L.M.T.
observe the sun on the meridian the
resulting Lat. is 39°17' N.

East on a true line bet secs 5 and 32
Over mountainous land through sage
brush. Descend gradually
6.50 Lawry River 40 lks wide 10 ins deep drains
S. Leave sage brush enter willows
10.00 Leave willows N and S enter scattering
cedars and pine. Ascend abruptly
20.00 Commence ascend ledges
22.00 Top of ledges N and S. Ascend abruptly
40.00 Set a sand stone 14 x 12 x 4 ins 9 ins in the
ground for ¼ sec. cor. marked ¼ on N face;
from which
A pine 30 ins diam. bears N 52 E 359 lks dist.
marked ¼ S 32 B.T.
A pine 12 ins diam bears S 43 W 113 lks dist.
marked ¼ S 5 B.T.
54.00 Top of spur project S W. Descend

Chains	
7.00	Commence descend abruptly
8.00	Set a sand stone 18x12x6 ins 12 ins in the ground for cor. of secs 4. 5 32 and 33 marked with 2 notches on W and 4 notches on E edges; and raise a mound of stone 2 ft. base 4 ft. high W. of cor. Pits impracticable
	This corner is located 15 lks S of a ledge 6 ft high which bears N.E. and S 55° W
	No trees suitable for bearing objects
	Land mountainous
	Soil Rocky 4th rate
	Timber scattering cedars and pine on 7.00 chs
	Mountainous land on 8.00 chs.

	East on a true line bet. secs 4 and 33
	Over mountainous land through scrub cedars and pine. Descend abruptly
3.00	Bottom of gulch drains S.W. Ascend abruptly
24.00	Top of spur projects S. Descend abruptly
40.00	Set a sand stone 18x12x8 ins 12 ins in the ground for 1/4 sec cor. marked 1/4 on N face, and raise a mound of stone 2 ft. base 4 ft. high W of cor. Pits impracticable
45.00	Head of gulch drains S Ascend
51.00	Top of spur projects S Descend abruptly
69.00	Bottom of gulch drains S 25° E, ascend abruptly
80.00	Set a sand stone 18x16x4 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
	A pine 10 ins diam bears N 59° W 37 lks dist. marked T17S R6E S.33 B.T.
	A pine 12 ins diam. bears N 40° E 32 lks dist. marked T17S R6E S.34 B.T.
	A cedar 6 ins diam bears S 4° W 32 lks dist. marked T18S R6E S.4 B.T.
	A pine 8 ins diam bears S 62 E 45 lks dist. marked T18S R6E S.3 B.T.

South bdy of T 17 S R 6 E

Links	
	Land mountainous
	Soil rocky & ltt rate
	Timber scrub cedars and pine
	Mountainous land on 8.00 chs.
	East on a town line bet secs 3 and 34
	Over mountainous land through cedars and pine Ascend
5.00	Top of spur projects S. Descend abruptly
14.00	Bottom of gulch drains S.W. Ascend
37.00	Leave cedar N and S cutting pine timber
40.00	Set a sand stone 16 x 14 x 4 ins 11 ins in the ground for 1/4 sec cor marked 1/4 on N. face from which
	Alpine 40 ins diam bears N 14 W 43 lks dist marked 1/4 S 34 B.T.
	No trees in sec 3 within limits therefore I raise a mound of stone 2 ft base 1 1/2 ft high N of cor. Pits impracticable
56.50	Leave timber N and S enter sage brush
80.00	Set a sand stone 14 x 18 x 8 ins 9 ins in the ground for cor. of secs 2, 3 34 and 35 marked with 4 notches on W and 2 notches on the E 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 scrub cedars, and pinion pine 37.50 chs.
	Pine on 19.00 chs
	Mountainous land on 8.00 chs.
	East on a town line bet secs 2 and 35
	Over mountainous land through sage brush Ascend
1.00	Top of low spur projects S.W. Descend

South bdy of T17 S R 6 E continued

chains	
11.00	Commence Ascend rapidly also enter service berry brush
40.00	Set a sand stone 10 x 8 x 5 ins 11 ins in the ground for 1/4 sec. cor. marked 1/4 on N face; and raise a mound of stone 2 ft base 1/2 ft high N of cor. Pits impracticable
43.00	Point of spur projects S. Descend
73.00	Enter cedars and pine
74.00	Bottom of gulch drains S Ascend
80.00	Set a sand stone 14 x 10 x 8 ins 9 ins in the ground for cor. of secs 1, 2, 3.5 and 36 marked with 5 notches on W. and 1 notch on E. edges; from which A pine 24 ins diam. bears N 47½ W 90 lks. dist. marked T17 S R 6 E S 35 B. T. A pine 30 ins diam. bears N 30¼ E 90 lks. dist. marked T17 S R 6 E S 36 B. T. No trees on secs 1 and 2 suitable to mark as bearing trees Land mountainous Soil stony 3rd rate Timber cedars and pine on 7.00 chs. Mountainous land on 80.00 chs.
	East on a true line bet secs 1 and 36 Over mountainous land through scattering cedar and pine timber Ascend
1.00	Leave timber N. and S. enter sage brush
31.00	Top of ridge bears N W and S E Descend
39.00	Leave sage brush enter pine timber
40.00	The 1/4 sec cor bet secs 1 and 36 Land mountainous Soil stony 3rd rate Timber pine 2.00 chs cedars on 1.00 chs. Mountainous land on 40.00 chs. June 19 – 1900

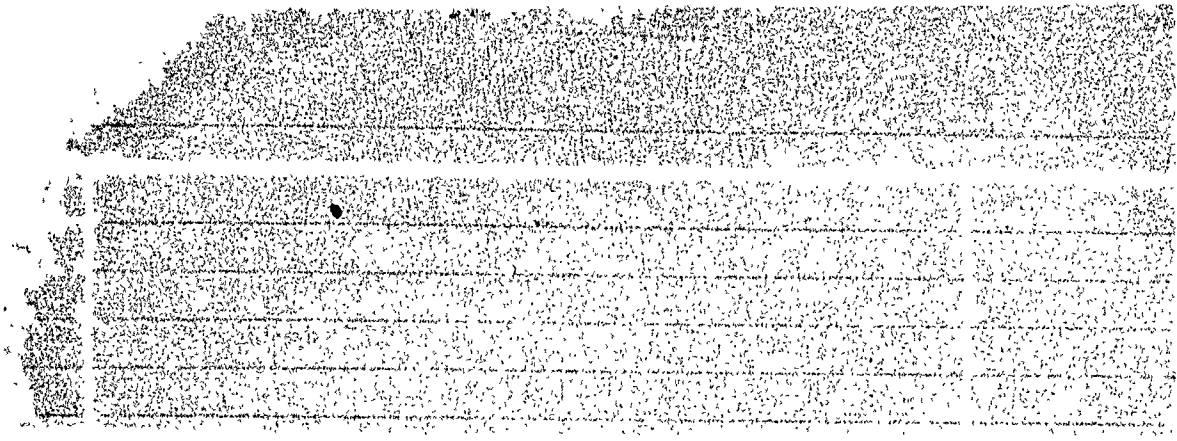
For the general description see notes of the subdivisions this township

Ames C D

South bdy of T17S R6E Continued

Line designated	True Bearing	Distance	Latitudes N chs.	Latitudes S chs.	Departures E chs.	Departures W chs.	
E bdy T17S R6E							
E bdy of sec 36	N02°2W	81.05	81.05			.52	✓
E bdy of sec 25	N0°07W	80.30	80.30			.16	✓
E bdy of sec 24	N0°05W	72.40	72.40			.10	✓
E bdy of sec 13	North	80.00	80.00				✓
E bdy of sec 12	North	80.00	80.00				✓
E bdy of sec 1	North	80.48	80.48				✓
N bdy T17S R6E							
S bdy of sec 36	West	84.37				84.37	✓
S bdy of sec 35	West	80.00				80.00	✓
S bdy of sec 34	S88°49W	80.00		1.65		79.98	✓
S bdy of sec 33	S89°32W	104.33		.85		104.32	✓
S bdy of sec 32	West	80.00				80.00	✓
S bdy of sec 31	West	78.54				78.54	✓
W bdy T17S R6E	South	470.63		470.63			✓
S bdy T17S R6E	East	508.10			508.10		✓
Convergency						.59	✓
			474.23	473.13	508.10	508.58	
Total			473.13 ✓			508.10	
Error in Lat			1.10	Error in Dep		.48	✓

James C Dick
Mus Dep Surveyor



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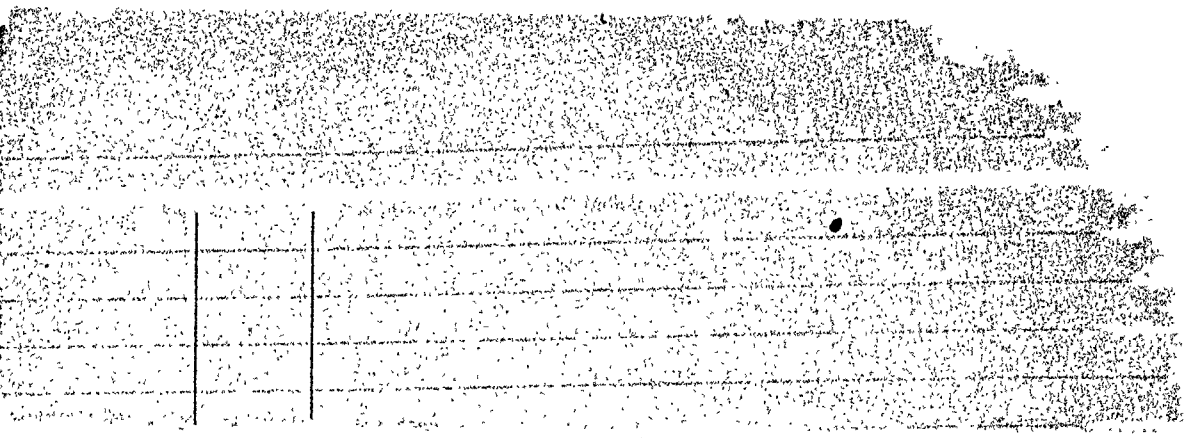

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FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

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.*

For final affidavits see book 73. Tp 15 S. R 6 E.

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.*

For final affidavits see book 73. Tp 15 S. R 6 E.

_____

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 _____, bearing date of _____ 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 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 the foregoing are the original field notes of such survey; and should any fraud be detected, I will submit the penalty of perjury under the provisions of an Act of Congress approved August 8, 1846.

_____
United States Deputy S.

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, November 2, 1899 189

The foregoing field notes of the survey of the East Boundary of Township 17 South Range 6 East of the Salt Lake Base and Meridian, Utah

executed by James L. Dick under his contract No. 233, dated November 24, 1899, having critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

_____
Edward M. Anderson
United States Surveyor Gen.

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

_____
United States Surveyor Gen.

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BOOK A-275

FIELD NOTES

Retracement

OF THE ~~SURVEY~~ OF THE

Subdivision

of

T17S R6E

Of the Salt Lake Base and Meridian,

State of Utah

AS SURVEYED BY

Jame C. Dick, United States Deputy Surveyor,

under his Contract No. 233, dated November 24, 1899

Retracement commenced June 20 1900, 189

Retracement completed June 22 1900, 189

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Retracement M. Chs. Lks. 8-75-41 Lm

Resurvey — high M. Chs. Lks. 3-00-15

NAMES AND DUTIES OF ASSISTANTS.

Earnest Toone	Chainman
Oliver C London	Chainman
Jay Morrison	Moundman
David H Wood	Axman
Harry A Rager	Flagman

For preliminary affidavits see book C, Tp 17 S. R 8 E

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BOOK A-275

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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 _____

Ernest Jones, Chainman.

Clinton L. Estes, 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 _____

Jay Morrison, 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 _____

David D. Voss, 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 _____

Harry A. Kagey, Flagman

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

SEAL

_____

_____

Retracement of Subdivision of T. 17 S. R. 6 E.

Chains

Retracement commenced June 20-1900 and executed with a Buff and Burgis light mountain transit with solar attachments for a description of which see book S.
For a complete test of the solar apparatus see notes of resurvey of the W. bdy. book S.
At 1h 00m a. m. L. m. t. I set off 39° 18' N. on the Lat. arc: 23° 28' N on the decl. arc: and determine a true meridian with the solar at the cor. of secs. 25 and 36 on the E bdy of this Tp. heretofore described
Thence I run
West on a retracement line bet secs 25 and 36
Over mountainous land Descend
7.20 Road bears N.W. and S.E.
9.50 North Cottonwood Canon creek 4 lks. wide 3 ins deep runs S.E. Ascend abruptly over broken ledges
17.00 Ledge 100 ft. high bears N. and S.
39.87 Fall 23 lks N. of old 1/4 sec. cor. which is a sand stone 9 x 4 x 12 ins above ground marked and witnessed as described by the Surveyor General
65.00 Leave broken ledges also enter aspens and scattering pine
79.75 Fall 47 lks. N. of old cor of secs 25 26 35 and 36 which is a sand stone 12 x 6 x 12 ins above ground marked but not witnessed therefore I witness the same as follows
A pine 24 ins. diam. bears N. 77° W. 14 lks dist. marked T. 17 S. R. 6 E. S. 26 B. T.
A pine 8 ins diam. bears S. 3° W. 65 lks. dist. marked T. 17 S. R. 6 E. S. 35 B. T.
A pine 5 ins diam bears N. 2° E. 29 lks. dist. marked T. 17 S. R. 6 E. S. 25 B. T.
No trees on sec 36 therefore I raise a mound of stone 2 ft. base 1½ ft. high W. of cor. Pits impracticable
Land mountainous
Soil rocky 4th rate
Timber pine and aspens on 14.75 chs.

Retracement of Subdivision of T17S R6E continued

	Mountainous land on 7975 chs. Note: The course of this line is therefore S.89°40'W.
	N 0°01'W on retracement line bet. secs 25 and 26 Over mountainous land through aspen and pine timber Ascend
5.00	Leave timber E, and W.
12.00	Commence ascend abruptly
25.00	Top of spur projects E. Descend
40.00	No cor can be found within the radius of 5. chs. Set a sand stone 18 x 5 x 6 ins. 12 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
44.00	Enter pine timber
60.00	Gulch drains E Ascend
63.00	Leave timber enter sage brush E, and W.
74.00	Top of spur projects E Descend
80.00	Intersect old cor of secs. 23 24 25 and 26 which is a sand stone 8 x 5 x 9 ins above ground marked but not witnessed I therefore witnessed the same as follows A pine 20 ins diam. bears. N 81°20' E 228 lks dist marked T17S R6E S 24 B. T. No other trees within limits I raise a mound of stone 2 ft. base 1½ ft. high W. of cor. Pits impracticable Land mountainous Soil stony 3 rd. rate Timber pine on 24.00 chs. Aspen on 5.00 chs Mountainous land on 80.00 chs.

Retracement of Subdivision of T. 1 S. R. 6 E. continued

Lines

S 89° 41' E. on retracement line bet. secs. 24 and 25.
Over mountainous land. Descend abruptly.
15.00 Enter scattering scrub cedars and pine
39.80 Fall 6 lks S. of old 1/4 sec. cor. which is a sand Rock in pl. acc. 35 x 25 x 15 ins above ground marked and witnessed as described by the Surveyor General
52.00 Bottom of abrupt descent enter canon
53.60 North Cottonwood canon creek 8 lks wide 4 ins deep runs S. 10 E.
54.00 Road bears N. 20° W. and S. 15° E. Ascend
58.00 Tunnel on vein of coal bears N 100 lks. dist. Ascend abruptly over broken ledges
79.78 Fall 123 lks. S. of old cor. of secs. 24 and 25 on E. bdy. of T. heretofore described
The course of this line is therefore N. 89° 26' E.
Land mountainous
Soil rocky & the rate
Timber scrub cedars and pinon pine
on 79.78 chs
June 20-1900 at this cor. I set off 23° 28' W on the decl. arc. and at 12h 00m a.m. l.m. t. observe the sun on the meridian the resulting lat is 39° 7' N.

N. 0° 0' W. on Retracement line bet. secs. 23 and 24
Over mountainous land. Descend
12.50 Enter pine and aspens timber
17.50 Bottom of draw drains N. E. Ascend
19.00 Commence descend
32.50 Fall 16 lks E of old 1/4 sec. cor. which is a sand stone 8 x 5 x 12 ins above ground

Retracement of Subdivision of T 17 S R 6 E continued

Chains	
	marked and witnessed as described by the Surveyor General
37.50	Head of draw drains N.E, Ascend
39.00	Commence descend abruptly broken ledges also leave timber E, and W,
60.50	Bottom of abrupt descent enter canon Ascend gently
60.75	Road bears N.W. and S.E.
69.60	North cottonwood canon creek 3 lks wide 3 ins deep runs S.E. enter scattering cedars and mohogany Ascend
72.20	Fall 36 lks E of old cor. of secs 13.14.23. and 24 which is a sand stone 14 x 12 x 16 ins above ground marked and witnessed by the Surveyor General The course of this line is therefore N. 0° 18' W. Land mountainous Soil rocky 4th rate Timber pine and aspens on 26.50 chs scrub cedars and mohogany on 3.00 chs. Mountainous land on 72.20 chs.

S. 89° 43' E. on retracement line between secs 13 and 24
Over mountainous land through cedars and mohoganys Ascend along S slope
13.40 Top of spur projects S. Descend
46.08 Fall 57 lks S of old 1/4 sec. cor. which is a sand stone 11 x 5 x 9 ins above ground marked and witnessed as described by the Surveyor General
Descend abruptly
32.00 Bottom of Ravine spring branch 5 lks wide 3 ins deep runs S. 18° W Ascend abruptly over ledges also enter scattering pine timber
62.30 Top of spur projects S W Descend also leave timber N.E. and S.W.
84.11 Fall 114 lks S. of old cor. of secs. 13, 18, 19 and 24 on E. bdy of T. heretofore described.

Retracement of Subdivision of T17SR6E continued

The course of this line is therefore N.89°28'E,
Land mountainous
Soil rocky 4th rate
Timber pine on 14 30 chs scrub cedars and mohogany on 62,30 chs,
Mountainous land on 80 11 chs,
June 20 — 1900

June 20-1900 at 7h 00m a.m. l.m.t. I set off 39 20 N on the lat. arc; 23°55' N on the decl. arc; and determine a true meridian with the solar at the cor. of sec. of 13 14 23 and 24
Thence I run
West on retracement line bet secs 14 and 23
Over mountainous land through scrub cedars and mohogany Descend
5.00 North cottonwood Canon creek 3 lks wide 3 ins deep runs S E Leave cedars and mohogany
9.00 Road bears N.W. and S.E. Ascend
21.50 Commence Ascend broken ledges
26.00 Top of ledges thence ascend gently
37.00 Enter small aspens
39.00 Leave the same N. and S.
40.00 Intersect old 1/4 sec. cor. which is a sand stone 10 x 5 x 9 ins above ground marked and witnessed as described by the Surveyor General
Land mountainous
Soil rocky 4th rates
Timber scrub cedars and mohogany on 5.00 chs, small aspens on 2.00 chs,
Mountainous land on 40.00 chs.

Retracement of Subdivision of T17 S R6 E continued
Chains

I return to the cor. of secs. 13 14 23 and 24
Thence I run
N.0°01' W. on retracement line bet. secs 13 and 14
Over mountainous land through scrub-cedars and mohogany Ascend abruptly broken ledges
27.00 Top of ledges bears N. E and S.W. continue ascending also leave scrub timber enter pine E. and W.
34.00 Top of spur projects S.W. Descend.
40.00 After diligent search for the space of half hour old 1/4 sec. cor. could not be found: Set a sand stone 12×10×5 ins 8 ins in the ground for 1/4 sec. cor. marked 1/4 on W. face: from which
A pine 10 ins diam. bears N.45°W. 17 lks. dist. marked 1/4 S.14 B.T.
A pine 20 ins diam bears E 34 lks. dist. marked 1/4 S.13 B.T.
48.00 Bottom of gulch drains S.W. ascend also leave timber E. and W.
76.00 Top of spur projects S.W. Descend
80.00 Intersect old cor. of secs. 11 12 13 and 14 which is a sand stone 10×6×9 ins above ground marked and witnessed as described by the Surveyor General
Land mountainous
Soil rocky 4th rate
Timber pine on 21.00 chs. scrub cedar and mohogany on 27.00 chs.
Mountainous land on 80.00 chs.

N.0°01' W. on retracement line bet. secs 11 and 12
Over mountainous land Descend
5.00 Enter scattering pine timber
22.00 Bottom of ravine drains S.W. Ascend
40.00 Intersect old 1/4 sec. cor. which is a sand stone 9×8×11 ins above ground marked and witnessed as described by the Surveyor General
Land mountainous

Retracement of Subdivision of T.17 S.R.6 E. continued

Soil stony 3rd rate
Timber scattering pine on 37 0/ chs.
Jan 21-1900 at this cor. I set off 23°27' N. on the decl. arc: and at 12h 00m a.m. l.m.t. observe the sun on the meridians the resulting lat. is 39°21' N.

I return to cor. of secs 11.12.13 and 14
Thence I run.
West on a retracement line bet. secs. 11 and 14
Over mountainous land Descend abruptly
25.00 Bottom of ravine drains S.W. Ascend abruptly
38.60 Top of spur projects S.W. Descend abruptly over broken ledges
39.22 From this point the old cor of secs 10.11.14 and 15 being visible I ascertained the course of the line bet. secs cors. 1st found it to be N.89°46' W., and as the point where old 1/4 sec. cor. reported had been set fall on slide rock and could not be found within the radius of 6.00 chs: therefore at this point on the course above mentioned I marked a sand Rock 8x4x2 ft. above ground on which I cut a cross (x) at the exact distance for 1/4 sec cor. I marked W C 1/4 on N. side: and raise a mound of stone 2 ft base 1½ ft high N. of cor. Pits impracticable
From Witness cor. I run N.89°46' W.
53 00 Bottom of North cottonwood cañon spring branch 2 lks. wide 1 ins deep runs S E
Ascend
55 00 Road bears N.W. and S.E.
80 15 Intersect cor. of secs 10 11 14 and 15 which is a sandstone 6x4x10 ins above ground marked and witnessed as described by the Surveyor General
Land mountainous
Soil rocky 4th rate
Timber none.

Retracement of Subdivision of T17S R6E continued

Chains	
	Mountainous land on 80.15 chs
	Soo1E on retracement line bet secs 14 and 15
	Over mountainous land through scattering
	pine and aspens Ascend
27.00	Spring on line
30.00	Top of spur projects S.E. Descend also
	leave timber E. and W.
40.10	Intersect old 1/4 sec. cor. which is a sand
	stone 10x5x6 ins above ground marked
	and witnessed as described by the
	Surveyor General
	Land mountainous
	Soil stony 4th rate
	Timber scattering pine and aspens on 30 chs
	Mountainous land on 40.10 chs
	I return to the old cor of secs 10 11 14 and 15
	Thence I run
	West on retracement line bet. secs 10 and 15
	Over mountainous land through scattering
	pine Ascend
3.00	Enter dense pine timber
20.00	Leave dense timber enter scattering aspens
39.59	Intersect old 1/4 sec. cor. which is a sand
	stone 12x5x13 ins above ground marked
	and witnessed as described by the
	Surveyor General
	Land mountainous
	Soil stony 4th rate
	Timber pine on 20.00 chs

Retracement of the Subdivision of T.17 S. R. 6 E. continued

chains

Scattering aspen on 19.36 chs.
Mountainous land on 39.59 chs.

June 21 — 19.00

June 22-1900 At 7h 00m a.m. l.m.t. I set off 39°21' N. on the lat. arc; 23°28' N. on the decl. arc: and determine a true meridian with the solar at the cor. of secs 10 11 14 and 15

Thence I run

N 001 W on a tracement line bet. secs. 10 and 11

Over mountainous land Descend

2.00 Gulch drains S.E. ascend gradually along E. slope

3.00 Enter pine and aspens timber

26.00 Gulch drains E.

28 00 Leave timber E. and W.

39.30 Fall 2.72 chs. E. of old 1/4 sec. cor. which is a sand stone 12x6x12 ins above ground marked and witnessed as discribed by the Surveyor General. The course of this is therefore N. 3°58' W. 39.39 chs. dist.

Thence I run N 001 W.

43 00 Mouth of Ravine drains E

75 00 Road bears N V S.E.

79 06 Bottom of North Cottonwood Canon creek 2 lks wide 2 ins deep runs S.E.

79.54 Fall 71 lks E of old cor. of secs. 2.3.10 and 11 which is a sand stone 10x5x10 ins above ground marked and witnessed as discribed by the Surveyor General

The course of this line is therefore N. 1°02' W.

79.44 40.05 chs. dist. Land mountainous

Soil gravelly 3rd rate

Timber pine and aspens on 25.00 chs.

Mountainous land on 79.44 chs.

Retracement of the Subdivision of T17S R6E continued

Chains	
	West on a retracement line bet secs 3 and 10 Over mountainous land through sage brush
0.10	North cottonwood creek 2 lks wide 2 ins deep runs S.10 E. Ascend
2 00	Road bears N. and S. E.
11.00	Enter pine and aspen timber
15.00	Gulch drains E.
34 00	Commence Ascend abruptly also leave timber N. and S.
39.01	Intersect old 1/4 sec. cor. which is a sand stone 8 x 8 x 10 ins above ground marked and witnessed as discribed by the Surveyor General.
	Land mountainous
	Soil stony 3rd rate
	Timber pine and aspens on 23 00 chs
	Mountainous land on 39.01 chs.

	Section to cor. of secs. 2 3 10 and 11
	Thence I run
	East on a retracement line bet secs 2 and 11 Over mountainous land through sage brush Ascend
5 00	Commence Ascend abruptly over broken ledges
43.62	Point of spur projects S. W.
	Intersect old 1/4 sec. cor. which is a sand stone 6 x 6 x 5 ins above ground marked and witnessed as described by the Surveyor General
	Land Mountainous
	Soil rocky 4th rate.
	Timber none
	Mountainous land on 43.62 chs.

Retracement of the Subdivision of T 17 S R 6 E continued

Chains	
	Return to cor. of secs. 2 3 10 and 11 heretofore discribed
	Thence I run
	N. 0° 08' W. on a retracement line bet. secs. 2 and 3
	Over mountainous land through sage brush
1.52	Road bears N.W. and S.E.
8.87	Road " N.E. and S.W.
11.00	Cottonwood creek 2 lks. wide 2 ins deep runs S.W. enter aspen
19.25	Leave Cañon Ascend
33.20	Commence Ascend abruptly over ledges
41.00	Fall 23 lks. E of the old 1/4 sec. cor. which is a sand stone 12 x 7 x 7 ins above ground marked and witnessed as discribed by the Surveyor General
41.50	Top of abrupt ascent thence ascend along N.E. slope
81.81	Fall 47 lks. E of old cor. of secs. 2, 3, 33 and 34 which is a stationary rock 10 x 4 x 4 ft. above ground marked and witnessed as discribed by the Surveyor General
	The course of this line is therefore N. 0° 28' W.
	Land mountainous
	Soil stony 3rd rate
	Timber aspen on 70.81 chs.
	Mountainous land on 81.81 chs.

For the general discription see notes of the subdivision of this township

James C Dietl
Ms Dep Surveyor

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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.*

In final affidavits see Book 76 Fp 155. R5E

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 the foregoing field notes as having been surveyed by him and under his direction; and that said survey s 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 neral for .....

Earnest Toole ..... *Chainman.*

[illegible] ..... *Chainman.*

[illegible] ..... *Moundman.*

..... *Moundman.*

David [illegible] ..... *Axman.*

..... *Axman.*

Harry A. Rager ..... *Flagman.*

.....

In final affidavits see Book 76 Fp 155. R5E.

scribed and sworn to before me this .....

day of ....., 189

SEAL

.....

.....

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.

For field notes see book J, p. 15

....
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, December 2, 1899

The foregoing field notes of the ~~survey~~ retracement of the subdivision lines of Township 17 South Range 6 East of the Salt Lake Base & Meridian Utah

....

executed by James C. Dick under his contract No. 922, dated November 24, 1899, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Edward H. Anderson
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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S.
4—679.

BOOK A-275

R.3.B.

FIELD NOTES

OF THE SURVEY OF THE

Subdivision

of

T.17S. R.6E

Of the Salt Lake Base and Meridian,

State of Utah

AS SURVEYED BY

James C Dick, United States Deputy Surveyor,

:der his Contract No. 233, dated November, 1899

rvey commenced June 22 1900, 189

vey completed July 1 1900, 189

6—151

Subs. high m. Chs. Wks
49-22-75 ✓
" closing - 1-14-47 ✓

BOOK A-275

NAMES AND DUTIES OF ASSISTANTS.

Earnest Toone	Chainman
Oliver C London	Chainman
Jay Morrison	Moundman
David H Wood	Axman
Harry A Rager	Flagman

For preliminary affidavits see book E. Tp 17 S. R 8 E.

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BOOK A-275

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, _____ 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.17 S. R.6 E.

Chains	
	Subdivision commence June 22-1900 and executed with a Buff and Berger light mountain transit with solar attachment for a description of which see book P. For a complete test of the solar apparatus see notes of the resurvey of the W bdy Book P.
	At 4h 00m p.m. l.m.t. I set off 39°21' N. on the lat arc: 23°26' N on the decl. arc; and determine a true meridian with the solar at the old cor. of secs 11, 12, 13 and 14 heretofore described.
	Knowing from previous retracement of the E. bdy. of this Tp. that a closing cor. for secs 12 and 13 would be necessary I run
	East on a true line bet. secs. 12 and 13
	Over mountainous land Descend
4.50	Top of ridge bears N.E. and S.W. Descend
24.00	Head of Draw drains S.W. Ascend
40.00	Set a sand stone 14 x 10 x 5 ins 9 ins in the ground for 1/4 sec. cor. marked 1/4 on N. face; and raise a mound of stone 2 ft. base 1½ ft. high N of cor. Pits impracticable
48.00	Top of ridge bears N and S Descend along S. slope also enter aspen timber
74.00	Point of spur projects S Descend
76.75	Bottom of savine spring branch 1 lks wide 1 ins deep runs S. leave timber Ascend
80.00	Intersect the E. bdy. of Tp 1.10 lks. S. of cor. of secs. 7, 12, 13 and 18 described in notes of the retracement of the W. bdy. of T.17 S. R. 7 E. at my point of intersection I set a sand stone 16 x 10 x 6 ins 11 ins in the ground for closing cor. of secs. 12 and 13 marked C.C. on W. with 2 grooves on N. and 4 grooves on S faces; and raise a mound of stone 2 ft. base 1½ ft. high W. of cor.
	Pits impracticable
	I destroyed all marks on old sec. cor. pertaining to 12 and 13

Subdivision of T17 S R6 E continued

Land mountainous
Soil stony 3rd rate
Timber aspens on 28.25 chs.
Mountainous land on 8000 chs.
June 22-1900

June 23-1900 At 9h 00m a.m. l.m.t. I set off 39°21' N on the lat arc; 23°27' N on the decl. arc; and, determine a true meridian with the solar at the old 114 sec. cor. bet. secs. 11 and 12 heretofore described.
Thence I run
N0°01'W. bet. secs. 11 and 12
Over mountainous land through scattering pine and aspens timber Ascend
25.00 Leave scattering timber enter dense pine and scattering aspens E. and W.
40.00 Set a sand stone 16×9×8 ins 11 ins in the ground for cor. of secs. 1, 2, 11 and 12 marked with 5 notches on S and 1 notch on E edges: from which
A pine 16 ins. diam. bears N34°E. 45 lks. dist. marked T17 S. R. 6 E. S. 1 B. T.
A pine 12 ins diam. bears S38°E. 36 lks. dist. marked T17 S. R. 6 E. S. 12 B. T.
A pine 18 ins. diam. bears S1°W. 30 lks. dist. marked T17 S. R. 6 E. S. 11 B. T.
A pine 12 ins. diam. bears N55W. 51 lks. dist. marked T17 S. R. 6 E. S. 2 B. T.
Land mountainous
Soil gravelly 3rd rate.
Timber pine and aspens on 40.00 chs.
Mountainous land on 40.00 chs.

Subdivision of T17S R6E continued

chains	
	Knowing from previous retracement of the E. bdy. of this Tp that a closing cor for secs. 1 and 12 would be necessary I run East on a true line bet. secs. 1 and 12 Over mountainous land through dense pine and scattering aspen Ascend abruptly
15.00	Leave timber N. and S.
16.50	Top of abrupt ascent thence ascend gently
20.00	Pass of wide spur projects S E Descend
39.00	Enter aspen timber
40.00	Set a sand stone 16 x 12 x 4 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 S 7° E 57 lks, dist, marked 1/4 S, 12 B. T. An aspen 8 ins diam bears N 81° E. 80 lks, dist, marked 1/4 S, 1 B. T.
45.00	Leave timber N. and S. enter sage brush
50.00	Head of draw drains E, Ascend
65.00	Top of ridge bears N. W. and S E descend
80.00	Intersect the E. bdy. of Tp. 1.00 chs. S of cor. of secs. 1, 6, 7 and 12 described in notes of the retracement of the N. bdy. of T. 17 S. R. 7 E. at my point of intersection I set a sand stone 14 x 12 x 4 ins 9 ins in the ground for closing cor. of secs. 1 and 12 marked C. C. on W. with 5 grooves on S. and 1 groove on N. faces; and raise a mound of stone 2 ft. base 1½ ft. high W of cor. Pits impracticable I destroyed all marks on old sec. cor. sustaining to secs 1 and 12, Land mountainous Soil stony 3rd rate Timber pine on 15.00 chs aspen on 21.00 chs, Mountainous land on 80.00 chs,

Subdivision of T17 S R6 E continued

Chains	
	I return to cor. of secs. 1, 2, 11 and 12. Thence I run
	N 89° 46' W on a random line bet. secs. 2 and 11
40.00	Intersect old 1/4 sec. cor. bet. secs 2 and 11, 16 lks
	N. of cor. heretofore described.
	Thence I run
	East on a true line bet. secs 2 and 11
	Over mountainous land through sage Descend
8.00	Enter aspen timber
20.00	Bottom of draw drains S.W. Ascend enter pine
40.00	The cor. of secs. 1, 2, 11 and 12
	Sand mountainous
	Soil stony 3rd rate
	Timber pines on 20.00 chs aspens on 32 chs
	Mountainous land on 40.00 chs
	At noon hour the sky was overcast observations were impossible
	Knowing from previous retracement of the N. bdy. of this Tp. that a closing cor. for secs. 1 and 2 would be necessary I run
	N 80° 1' W on a true line bet. secs. 1 and 2
	Over mountainous land through pine and aspens timber Ascend
8.00	Top of spur projects W. Descend
20.00	Bottom of gulch drains N.W. Ascend
28.00	Top of spur projects W. Descend along W. slope
40.00	Set a sand stone 14 x 12 x 4 ins 9 ins in the ground for 1/4 sec. cor. marked 1/4 on W face from which
	A pine 12 ins diam. bears N 40° W 25 lks dist. marked 1/4 S 2 B.T.
	An aspen 4 ins diam. bears N 44 E 125 lks dist. marked 1/4 S 1 B.T.
54.00	Top of spur projects W. Descend
68.50	Bottom of gulch drains N.W. Ascend
72.00	Top of spur projects W. Descend
73.50	Spring branch 1 lks wide runs N.W. Ascend gently
81.97	Intersect the N bdy of T. 4.20 chs E of old

Subdivision of T17 S R6 E continued

chains	
	of secs. 1, 2, 35 and 36 described on notes of the retracement of the N bdy of this Tp. at my point of intersection I set a sand stone 15x12x3 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 A pine 10 ins diam bears S 74 E 12 lks. dist. marked T17 S. R6 E. S.1 B.T. A pine 8 ins diam bears S 65 W 16 lks. dist. marked T17 S. R6 E. S 2. B. T. I destroyed all marks of old sec. cor. pertaining to secs 1 and 2 Land mountainous Soil stony 5 rd rate Timber pine and aspen Mountainous land on 81.97 chs.
	June 23-1900 at 4h 51m p.m. l.m.t. I set off 39°17' N on the lat arc; 23°27' N on the decl arc; and determine a true mer dian with the solar At the cor. of secs. 1, 2, 35 and 36 on S. bdy of this T. heretofore described Thence I run N 0°01' W on a random line bet secs 35 and 36
40.00	Set a temp 1/4 sec. cor.
80.49	Intersect old cor. of secs. 25 26 35 and 36 heretofore described Thence I run S 0°01' E on a true line bet secs 35 and 36 Over mountainous land through aspens timber Ascend
1.50	A small spring 2.00 chs. W of line
10.50	Leave timber E. and W.
15.50	Commence Ascend abruptly
24.50	Enter pine and aspens timber
32.50	Leave timber E. and W.

Subdivision of T17S R6E Continued

Chains	
40.49	Set a sand stone 18 x 8 x 6 ins 12 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
40.80	Top of ridge bears N.W. and S.E. Descend
65.50	Enter pine and aspen timber
80.49	The cor. of secs. 1, 2, 35 and 36
	Land mountainous
	Soil gravelly 3rd rate
	Timber pine and aspens on 33.99 chs.
	Mountainous land on 80.49 chs.
	June 23 - 1900
	June 24-1900 at 7h 00m a.m. l.m.t. set off 39°17' N. on the lat. arc; 23°27' N on the decl. arc; and determine a true meridian with the solar at the cor. of secs. 2, 3, 34 and 35 on the S bdy of this Tp heretofore described
	Thence I run
	N.0°01' W. bet secs 34 and 35
	Over mountainous land through service berry brush. Ascend
8.00	Enter scattering aspens
36.50	Leave " " E. and W.
40.00	Set a sand stone 14 x 12 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
50.00	Commence Ascend rapidly
80.00	Set a sand stone 14 x 10 x 10 ins 9 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 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 scattering aspens on 28.50 chs.

Subdivisions of T. 17 S. R. 6 E. continued

Chains	
	Mountainous land and dense undergrowth on 8 0.0 0 chs.
	East on a random line bet. secs. 26 and 35
4 0.0 0	Set a temp. 1/4 sec. cor.
8 0.0 0	Intersect N. and S. line 4 5 lks. S of cor. of secs. 25, 26, 35 and 36.
	Thence I run
	S. 8° 4' W. on a true line bet secs. 26 and 35
	Over mountainous land through dense aspens and pine timber
	Ascend abruptly
21 0 0	Spring 2 chs. S of line. top of abrupt ascent thence ascend
39 0 0	Commence ascend gently onto scattering timber
4 0.0 0	Set a sand Stone 14 x 10 x 6 ins 9 ins in the ground for 1/4 sec. cor. marked 1/4 on N. face: from which
	A pine 14 ins diam. bears N 53° E 22 lks. dist, marked 1/4 S. 26 B. T.
	No trees on sec. 35 within limits; I raise a mound of stone 2 ft. base 1 1/2 ft. high N. of cor. Pits impracticable.
46 0 0	Top of flat ridge bears N. and S. E.
	Descend gently
55.0 0	Commence descend rapidly
8 0 0 0	The cor of secs 26 27 34 and 35
	Land mountainous
	Soil stony 3rd rate
	Timber dense pine and aspens 39.00 chs. scattering pine and aspens on 41.00 chs. Mountainous land on 8 0.0 0 chs.
	N. 0° 1' W. bet secs 26 and 27
	Over mountainous land through scattering and dense underbrush Ascend

Subdivisions of T17SR6E continued

chains	
40.00	Set a sandstone 15x14x3 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
59.00	Commence ascend abrupt lime stone ledges
60.85	Top of ledges bear E. and W. Ascend gently on top of wide ridge also leave timber E. and W.
80.00	Set a lime stone 15x12x5 ins 10 ins in the ground for cor. of secs. 22 23 26 and 27 marked with 2 notches on S and E 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 scattering pine and aspens on 60.85 chs. Mountainous land on 80.00 chs. June 24 1905 at this cor. I set of 23°26' N on the decl. arc: and at 12h 00m a.m. b.m. to observe the sun on the meridian the resulting lat is 39°19' N.
	N 89°41' E. on a random line bet. secs. 23 and 26.
40.00	Set a tamp 1/4 sec. cor.
80.10	Intersect N. and S. line 45 lks. N of cor. of secs. 23, 24, 25 and 26. Thence I run West on a true line bet. secs 23 and 26 Over mountainous land through sage brush Ascend
5.00	Enter pine and aspen timber
21.00	Commence descend
35.00	Head of draw drains N.E. Ascend
40.05	Set a sand stone 16x8x6 ins. 11 ins in the ground for 1/4 secs cor. marked 1/4 on N face: from which A pine 6 ins diam. bears S. 60° E. 12 lks dist. marked 1/4 S. 26 B.T.

Subdivision of T. 17 S., R. 6 E. Continued

Chains	
	An aspen 5 ins diam. bears N. 4 lks. dist. marked 1/4 S, 23 B. T.
60.20	Commence ascend ledge 70 ft. high bear N. and S. also leave timber N and S.
60 75	Top of ledges Asend gently wide ridge
80.10	The cor of secs. 22. 23. 26 and 27
	Land mountainous
	Soil stony 3rd rate
	Timber pine and aspen on 55.20 chs.
	Mountainous land on 80 10 chs.
	N. 0° 15' W. bet. secs. 22. and 23
	Over mountainous land through sage brush Descend gently
18 00	Commence descend abruptly also enter pine and aspens timbers
37.00	Enter a cattering timber
40.00	Set a sand stone 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 1/2 ft. W. of cor. Pits impracticable
50.50	Bottom of abrupt descent thence descend gradually along E. slope also leave timber E. and W. enter sage brush
80.00	Set a sand stone 16 x 14 x 3 ins 11 ins in the ground for cor. of secs. 14, 15, 22 and 23 marked with 3 notches on S. and 2 notches on E. edges: and raise a mound of stone 2 ft. base 1/2 ft high W of cor. Pits impracticable
	Land mountainous
	Soil gravelly 3rd rate
	Timber pine and aspens on 32.50 chs
	Mountainous land on 80.00 chs.

Subdivision of T17S R6E continued

Chains

In order to close the line bet secs 14 and 23 I proceed to the old 1/4 sec. cor bet secs 14 and 23 Thence I run West on a true line bet secs 14 and 23 Over mountainous land through sage brush

13.00 Small draw drains N. E. ascend

22.00 Commence descend rapidly

30.00 Bottom of gulch drains N.E, Ascend

39.80 Intersect N and S line 8.15 chs S 0° 01' E of cor. of secs. 14 15 22 and 23 at point of intersection I set a sand stone 14 x 8 x 5 ins 9 ins in the ground for closing cor of secs 14 and 23 marked CC on E with 3 grooves on S and 2 grooves on E. faces; and raise a mound of stone 2 ft base, 1½ ft. high E of cor. Pits impracticable

I destroyed all marks of sec. cor. pertaining to secs 14 and 23,

Land mountainous

Soil stony 3rd rate

Timber none

Mountainous land on 39.80 chs.

From cor of secs 15 and 22 I run N. 0° 01' W bet secs 14 and 15 Over mountainous land through sage brush Ascend.

12.00 Bottom of Trail canon drains E. Ascend through scattering aspen and pine timber,

32.00 Intersect old 1/4 sec. cor. heretofore described

Land mountainous

Soil stony 3rd rate

Timber scattering aspen and pine on 20.00 chs.

Mountainous land on 32.00 chs

June 24 — 19.00

Subdivision of T17 S R6 E continued

chains	
	June 25-1900 at 7h 00m a.m. l.m.t. I set off 39°17' N on the lat. arc; 23°25' N on the decl. arc; and determined a true meridian with the solar at the cor. of secs 33 and 34 on the S. bdy. of Tp. heretofore described
	Thence I run
	N0°02' W bet secs 33 and 34
	Over mountainous land through scrub cedars and pinion pine
	Ascend
40.00	Set a sand stone 12x8x6 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 1½ ft high W. of cor.
	Pits impracticable
50.00	Leave scrub cedars and pinion E. and W. top of ridge bears E and W descend
70.00	Enter pine and cedars.
70.50	Commence ascend rapidly
77.00	Leave pine and cedars E. and W.
80.00	Set lime stone 14x10x8 ins 9 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 raise a mound of stone 2 ft base 1½ ft high W of cor.
	Pits impracticable
	Land mountainous
	Soil gravelly 3rd rate
	Timber scrub pinion pine and cedars on 57.00 chs.
	Mountainous land on 80.00 chs.
	East on a random line bet secs 27 and 34
4.00	Set a temp 1/4 sec. cor.
80.10	Intersect N. and S. line 9 lks. N. of cor. of secs. 26, 27, 34 and 35.
	Thence I run

	N. 8° 56' W. on a true line bet secs. 27 and 34
	Over mountainous land through sage
	brush Descend abruptly
2.50	Bottom of gulch drains S Ascend
11.00	Top of spur projects S.W. Descend
26.00	Bottom of Ravine drains S.E. Ascend
35.00	Top of spur projects S Descend
40.05	Set a sand stone 15 x 8 x 6 ins 10 ins in the
	ground for 1/4 secs. cor. marked 1/4 on S face;
	and raise a mound of stone 2 ft base 1½ ft.
	high N. of cor. Pits impracticable
55.00	Commence descend abruptly
80.10	The cor. of secs. 27, 28, 33 and 34
	Land mountainous
	Soil gravelly 3rd rate
	Timber none
	Mountainous land and dense under
	growth on 80.10 chs.

	N. 0° 02' W. bet secs. 27 and 28
	Over mountains through scrub pine
	and cedars, Ascend
15.00	Leave timber E. and W.
23.50	Top of spur-projects W. Descend
38.00	Enter scattering aspens
40.00	Set a sand stone 15 x 8 x 5 ins 10 ins in the
	ground 1/4 sec. cor. marked 1/4 on W. face;
	and raise a mound of stone 2 ft base
	1½ high W of cor. Pits impracticable
40.10	Bottom of Ravine Spring branch 2 lks. wide 1
	ins deep runs S.W. Ascend
42.00	Commence ascent abruptly
45.60	Top of abrupt ascent thence ascend gently
80.00	Set a sand stone 20 x 12 x 14 ins. 16 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. from which
	An aspen 7 ins. diam. bears N. 1 2½ W. 23.7 lks.

Subdivision of T17S R6E continued

chains	
	dist marked T17S, R6E, S21 B, T
	No trees in secs. 22 27 and 28 within limits I raise a mound of stone, 2 ft base 1½ ft high W of cor. Pits impracticable
	Land mountainous
	Soil gravelly 3rd rate
	Timber scattering on 42.00 chs Scrub pine and cedars on 15.00 chs
	Mountainous land on 80.00 chs.
	June 25-1900 at this cor. I set off 23°24' N on the decl. arc: and at 12h 00m a.m. l.m.t. observe the sun on the meridian the resulting Lat is 39°19' N
	S 89°56' E on a random line bet secs. 22 and 27
40.00	Set a temp. 1/4 sec. cor.
80.37	Intersect N and S line 14 lks S of cor. of secs. 22 23 26 and 27
	Thence I run
	S 89°58' W on a true line bet. secs 22, and 27
	Over mountainous land through sage brush Ascend
13.00	Top of ridge bears N and S Descend also enter scattering pine timber
16.50	Commence descend broken ledges leave timber
26.30	Bottom of broken ledges Descend gently
40.18	Set a sand stone 12x8x8 ins 8 ins in the ground for 1/4 sec. cor. marked 1/4 on N face, and raise a mound of stone 2 ft base 1½ ft high N of cor. Pits impracticable
44.30	Enter Aspen timber
62.60	Bottom of Ravine spring branch 2 lks. wide 1 in. deep drains SE Ascend
75.00	Commence Ascend abruptly
80.37	The cor. of secs. 21 22 27 and 28
	Land mountainous
	Soil stony 3rd rate
	Timber pine on 3.50 chs Aspens on 36.07 chs
	Mountainous land on 80.37 chs.

Subdivision of T. 17 S. R. 6 E. continued

chains	
	N. 0° 2' W. bet. secs. 21 and 22
	Over mountainous land through scattering
	aspen and pine timber Ascend
40.00	Set a sand stone 15 x 8 x 8 ins. 10 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 unpracticable
52.00	Commence Ascend abruptly
57.00	Top of ridge bears N. W. and S. E. Descend
	also leave scattering timber enter dense timber
80.00	Set a sand stone 24 x 14 x 8 ins. 18 ins. in the
	ground for cor. of secs. 15, 16, 21 and 22 marked
	17 S. on N. E. and 6 E. on S. E. faces with 3
	notches on S. and E. edges from which
	An aspen 6 ins. diam. bears N. 10° W. 30 lks.
	dist. marked T. 17 S. R. 6 E. S. 16 B. T.
	An aspen 7 ins. diam. bears N. 41° E. 32 lks. dist.
	marked T. 17 S. R. 6 E. S. 15 B. T.
	An aspen 10 ins. diam. bears S. 25° E. 51 lks. dist.
	marked T. 17 S. R. 6 E. S. 22 B. T.
	A pine 6 ins. diam. bears S. 2½° W. 15 lks. dist.
	marked T. 17 S. R. 6 E. S. 21 B. T.
	Land mountainous
	Soil gravelly 3rd rate
	Timber dense aspen and pine on 23.00 chs.
	Scattering aspens and pine on 57.00 chs.
	Mountainous land on 80.00 chs.

	N. 89° 58' E. on a random line bet. secs. 15 and 22.
40.00	Set a temp. 1/4 sec. cor.
79.95	Intersect N. and S. line 5 lks. N. of cor. of secs.
	15 and 22
	Thence I run
	West on a true line bet. secs. 15 and 22
	Over mountainous land through sage brush
	and scattering aspen and pine timber
15.00	Bottom of caving drains N. Ascend

Subdivision of T 17 S R 6 E continued

chains	
39.92	Set a sand stone 14 x 12 x 5 ins 9 ins in the ground for 1/4 sec. cor. marked 1/4 on N face; from which An aspen 8 ins diam. bears S. 5° W. E. 172 lks. dist. marked 1/4 S 22 B. T. A pine 30 ins diam. bears N 76° W. 210 lks. dist. marked 1/4 S 15 B T. Descend
44.60	Bottom of draw drains N E, Ascend
79.95	The cor. of secs. 15, 16, 21 and 22 —— Land mountainous Soil stony 3rd rate Timber aspens and pine on 79.95 chs. Mountainous land on 79.95 chs.
	N. 0° 02 W. bet secs. 15 and 16 Over mountainous land through pine and aspen timber Descend
26.40	Bottom of Ravine drains E Ascend
40.00	Set a sand stone 14 x 12 x 4 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 Corner located in thick young aspens
46.70	Commence ascend abruptly also into scattering aspens and pines
50.00	Top of abrupt. ascent thence ascend gently
89.00	Set a sand stone 24 x 12 x 3 ins 18 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 6 ins diam. bears S 6° 45' E 89 lks. dist. marked T 17 S. R. 6 E. S 15 B. T. No other trees within limits. I raise a mound of stone 2 ft base 1 1/2 ft high W. of cor. Pits impracticable Land mountainous Soil gravelly 3rd rate Timber pine and aspens on 50.00 chs

Subdivision of T17S R6E continued

chains

Mountainous land on 80.00 chs.
June 25 - 19.00

I order to close the line bet. secs 10 and 15
I proceed to the old 1/4 sec cor bet secs. 10 and
15 heretofore described I run
West on a true line bet secs. 10 and 15
Over ascending mountainous land
through scattering aspens timber
40.00 Intersect N and S line 8.00 chs. S 0° 02' E of cor.
of secs. 9 10 15 and 16 at my point of inter-
section I set a sand stone 15 x 10 x 4 ins 10 ins
in the ground for closing cor. to secs. 10
and 15 marked CC on E with 4 grooves on
S and 3 grooves on E faces; and raise
a mound of stone 2 ft base 1½ ft high
E. of cor. Pits impracticable
I destroyed all marks of sec cor. pertaining
to secs. 10 and 15
Land mountainous
Soil gravelly 3rd rate
Timber scattering aspens and pine on
40.00 chs
Mountainous land on 40.00 chs.

June 26 - 1900 At 8.30 a.m. l.m.t. I set off 39° 21' N.
on the Lat. arc: 23° 23' N on the decl. arc;
and determine a true meridian with the
solar at the cor. of sec 9. and 16
Thence I run
N 0° 02' W bet. secs. 9 and 10
Over mountainous land through
sage brush Ascend
40.00 Set a sand stone 14 x 10 x 3 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

Subdivision of T. 17 S. R. 6 E. continued

W. of cor. Pits impracticable
41.00 Commence descend
42.50 Enter scattering aspens and pine timber
65.00 Commence descend abruptly
66.00 Leave scattering timber enter dense young aspens, and scattering timber
80.00 Set a sand stone 14 x 12 x 5 ins, 9 ins, in the ground for cor. of secs 3 & 9 and 10 marked with 5 notches on S and 3 notches on E edges, and raise a mound of stone 2 ft. base 1½ ft. high
W. of cor. Pits impracticable
Cor. located in a small aspens
Land mountainous
Soil gravelly 3rd rate
Timber scattering aspen and pine on 3 75.00 lks
Dense young aspens and scattering pine on 14,00 lks,
Mountainous land and dense mahogrowth on 9.00 lks,

In order to close the line between secs 3 and 10
I proceed to the old M. C. cor. bet secs 3 and
10 hereto fore described
Thence I run
West on a true line bet, secs 3 and 10
Over mountainous land through young aspens and scattering pine Ascend.
37.20 Intersect N and S line 8,97 chs 560 E. of cor. of secs
3 & 9 and 10 at my point of intersection
I set a sand stone 14 x 14 x 3 ins 9 ins in the ground for closing cor. to secs 3 and 10 marked CC on E with 5 grooves on S and 3 grooves on E faces and raise a mound of stone 2 ft base 1½ ft. high E of cor.
Pits impracticable
I destroyed all marks of sec. cor. pertaining to secs 3 and 10

Subdivision of T 17 S R 6 E continued

Chains	
	Land mountainous Soil gravelly 3rd rate Timber young aspens and scattering pine on 37.20 chs Mountainous land on 37.20 chs.
	Knowing from previous retracement of the N. bdy. of this Tp. that a closing cor. for secs. 3 and 4 would be necessary I run N. 0° 02' W. on a true line bet secs 3 and 4 Over mountainous land through dense young aspens Descend
3.00	Leave small aspens enter dense pine and aspen timber
10.00	Bottom of Ravine drains N E Ascend
14.50	Leave timber E. and W. enter sage brush
23.85	Top of spur projects N. E. Descend also enter aspen timber
40.00	Set a sandstone 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 7 ins diam. bears N. 34° W. 55 lks dist. marked 1/4 S 4 B. T. An aspen 4 ins diam. bears N. 2° E. 67 lks dist. marked 1/4 S 3 B. T.
44.00	Gulch drains E. Ascend
49.00	Leave timber E. and W. enter sage brush
71.11	Intersect the N bdy. 4.60 chs N 88° 49' E of old cor. of secs. 3, 4, 33 and 34 heretofore described at my point of intersection I set a sand stone 14 x 8 x 5 ins 9 ins in the ground for closing cor. of secs. 3 and 4 marked C.C. on S. with 3 grooves on E. and W. faces and raise a mound of stone 2 ft. base 1 1/2 ft. high S of cor. Pits impracticable I destroyed all remarks of old sec. cors pertaining to secs 3 and 4

Land mountainous
Soil gravelly 3rd rate
Timber aspens on 31.65 chs pine on 11.50 chs.
Mountainous land and dense under growth on 71.11 chs.
June 26-1900 at this cor I set off 23° 22' N. on the decl. arc: and at 12h 00m a.m. l.m.t. observe the sun on the meridian the resulting lat. is 39° 23' N.

June 26-1900 At 3h 00m p.m. l.m.t. I set off 39° 17' N. on the lat arc; 23° 22' N on the decl. arc; and determine a true meridian with the solar at the cor. of secs 4, 5, 32 and 33 on the S bd of the Tp. heretofore described
Thence I run
N. 0° 03' W. bet. secs. 32 and 33
Over mountainous land throught scrub cedars and pinion pine
Ascend abruptly broken ledges.
20.00 Top of abrupt ascent
29.00 Spring bears E 2.00 chs. dist. leave cedars and pinion pine
40.00 Enter scattering mohogany The point for 1/4 sec. cor. fall on a flat rock in place 14 ft diam. 3 ft. above ground on which I cut a cross (X) at the exact cor. point for 1/4 sec. cor. I mark 1/4 on W side of cross; and raise a mound of stone 2 ft base 1 1/2 ft. high W. of cross: Pits impracticable
43.00 Top of spur projects S.W. Descend
68.00 Bottom of draw drains W. Ascend rapidly
80.00 Set a sand stone 18 x 10 x 9 ins 12 ins in the ground for cor of secs 28 29 32 and 33 marked with 1 notch on S. and 4

Subdivision of T. 17 S. R. 6 E. continued

Chains	
	notchis on E edges: and raise a mound of stone 2 ft base 1½ ft high W of cor. Pits impracticable Land mountainous Soil rocky 4th rate Timber scrub cedars and pinion pine on 29.00 chs scattering mohogany on 40.00 chs. Mountainous land on 80.00 chs.
	East on a random line bet. secs. 28 and 33
40.00	Set a temp ¼ sec. cor.
80.00	Intersect N and S line at the cor of secs 27 28 33 and 34
	Thence I run West on a true line bet. secs 28 and 33 Over mountainous land through cedar and pinion pine Descend
33.50	Bottom of Gulch spring branch 2 lks wide 1 ins deep runs S W Ascend
40.00	Set a sand stone 20 x 16 x 4 ins 15 ins in the ground for ¼ sec. cor. marked ¼ on N. face: and raise a mound of stone 2 ft. base 1½ ft high N of cor. Pits impracticable Notches suitable to mark within limits
50.00	Leave cedars and pine
58.00	Top of spur projects S enter scrub cedar and pine Descend
80.00	The cor of secs 28 29 32 and 33 Land mountainous Soil gravelly 3rd rate Timber scrub cedars and pinion pine on 72.00 chs. Mountainous land on 80.00 chs

June 26 1900

Subdivision of T. 7 S R 6 E continued

chains

June 27-1900 at 7h 00m a.m. l.m.t. set off 39° 18' N on the lat. arc; 23° 22' N on the decl. arc: and determine a true meridian with solar at the cor. of secs. 28, 29, 32 and 33
Thence I run
N 0° 03' W. bet secs. 28 and 29
Over mountainous land through scrub cedars and pinion pine Ascend abruptly
10.00 Top of spur projects W. Descend
12.50 Commence descend abruptly
14.00 Bottom of abrupt descent thence descend gently leave cedars and pine E. and W.
36.65 A patch of pine timber 2 chs. wide extending E. and W.
41.00 Set a sand stone 14 x 8 x 4 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
55.00 Bottom of gulch drains W. Ascend abruptly over broken ledges.
79.00 Point of spur projects S.W. Descend
80.00 Set a sand stone 14 x 8 x 4 ins 9 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: from which
A sand boulder 12 x 10 x 6 ft. bears E. 20 lks. dist. on which I cut a cross (X) 17 S 6 E S. 21, and 28 B.O. no other objects available I raise a mound of stone 2 ft. base 1 1/2 ft high W. of cor. Pits impracticable
Land mountainous
Soil Rocky 4th rate
Timber scrub cedars and pinion pine on 14.00 chs pine on 2.00 chs
Mountainous land on 80.00 chs.

East on a random line bet. secs. 21 and 28
11.00 Set a temp 1/4 sec. cor.
19.85 Intersect N. and S. line 7 lks N. of cor. of secs.

Subdivision of T17S R6E continued

chains	
	21, 22, 27 and 28
	Thence I run
	N89°57'W on a true line bet secs. 21 and 28
	Over mountainous land through scattering aspen and pine Ldescend gradually
39.93	Set a sand stone 14x8x8 ins 9 ins in the ground for 1/4 sec. cor. marked 1/4 on N face and raise a mound of stone 2 ft. base 1½ ft high N. of cor. Pits impracticable.
75.00	Commence descend abruptly broken ledges
79.85	The cor. of secs. 20, 21, 28 and 29
	Land mountainous
	Soil stony 3rd rate
	Timber scattering - aspen and pine on 79.85 chs,
	mountainous land on 79.85 chs
	N. 0°03' W. bet secs 20 and 21
	Over mountainous land through cedar and pine along rough W. Slope
19.00	Commence descend abruptly
22.50	Leave cedars E. and W. enter dense pine timber
38.00	Head of gulch drains W. ascend abruptly also Leave dense timber enter scrub cedars and pine
41.00	Set a line stone 14x12x8 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.
47.50	Top of abrupt ascent thence ascend gradually
52.50	Top of spur projects W. Descend
53.50	Commence ascend abruptly
72.00	Bottom of Ravine drains S W Ascend abruptly also leave scrub cedars and pine enter dense pine timber E. and W.
80.00	Set a sand stone 12x10x8 ins 8 ins in the ground for cor. of secs. 16, 17, 20 and 21 marked with 3 notches on S. and 4 notches on E. edges.

Subdivision of T17S R6E continued

Chains	
	from which A pine 12 ins. diam. bears S. 38° E. 40 lks. dist. marked T. 17 S. R. 6 E. S. 21 B. T. A pine 24 ins. diam. bears S. 89° W. 15 lks. dist. marked T. 17 S. R. 6 E. S. 20 B. T. A pine 14 ins diam. bears N. 82° E 65 lks. dist. marked T. 17 S. R. 6 E. S 16 B. T. A pine 10 ins diam. bears N. 10° W. 45 lks dist. marked T. 17 S. R. 6 E. S. 17 B. T. Land mountainous Soil Rocky 4th rate Timber pine on 1400 chs. scrub cedars and pine on 56.50 chs. Mountainous land on 80.00 chs June 27-1900 at this cor I set off 23° 20' N on the decl. arc; and at 12h a.m. l.m.t. observe the sun on the meridian the resulting lat is 39° 20' N
	S. 89° 57' E. on a random line bet. secs. 16 and 21
40.00	Set a temp. 1/4 sec. cor.
78.80	Intersect N and S line 7 lks. S of cor. of secs. 15. 16. 21. and 22
	Thence I run West on a true line bet. secs. 16 and 21 Over mountainous land through dense aspen and pine timber Ascend
20.00	Top of ridge bears N. and S. Descend also leave dense timber. N. and S. enter sage brush
38.00	Enter aspen and pine
39.90	Set a sand stone 14 x 10 x 5 ins 9 ins in the ground for 1/4 sec. cor. marked 1/4 on N face; from which A pine 8 ins. diam. bears S. 10 E. 45 lks. dist. marked 1/4 S. 21 B. T. An aspen 6 ins. diam. bears N. 2 1/2 E. 88 lks. dist. marked 1/4 S. 16 B. T.

Subdivision of T17 S R6 E continued

chains	
50.00	Bottom of draw drains S. 60° W. Ascend also leave aspens and pine N. and S. enter scrub cedars and pine
52.20	Point of spur project S. Descend abruptly
59.00	Bottom of draw drains S. Ascend
79.80	The cor. of secs. 16, 17, 20 and 21
	Land mountainous
	Soil stony 3rd rate
	Timber pine and aspens on 32.00 chs.
	scrub cedars and pine on 29.80 chs.
	Mountainous land on 79.80 chs.
	N 0° 03' W bet secs 16 and 17
	Over mountainous land through through dense mohogany and scrub pine Ascend
5.00	Top of spur projects S.W. Descend gradually along W. slope
30.00	Leave mohogany E. and W.
37.85	Bottom of draw drains W. Ascend
40.00	Set a sand stone 16 x 7 x 5 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 1 1/2 ft. high W. of cor. Pits impracticable
50.50	Commence descend over broken ledges also leave scrub pine enter scattering pine timber
60.00	Bottom of drain drains W. Ascend
80.00	Set a sand stone 18 x 12 x 3 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
	A pine 14 ins diam. bears N 23 W 66 lks. dist. marked T17 S, R, 6 E, S. 8 B. T.
	A pine 12 ins diam. bears N. 67 E. 82 lks. dist. marked T17 S, R, 6 E, S. 9 B. T.
	No trees on secs 16 and 17 I raise a mound of stone 2 ft. base 1 1/2 ft. high W of cor. Pits impracticable
	Land mountainous

Subdivision of T 17 S R 6 E continued

Chains	
	Soil Rocky 4th rate Timber scattering pine on 29.50 chs. Mohogany 30.00 chs scrub pine 50.50 chs. Mountainous land on 80.00 chs.
	East on a random line bet secs 9 and 16
4.00	Set a temp 1/4 sec. cor.
79.65	Intersect N. and S. line 6 lks. N. of cor. of secs. 9 and 16 Thence I run N 89 57 W on a true line bet secs 9 and 16 Over mountainous land through scattering aspens and sage brush Ascend
17.00	Leave aspens N. and S.
30.00	Commence descend rapidly.
39.83	Set a sand stone 16x14x6 ins. 11 ins. in the ground for 1/4 sec. cor. marked 1/4 on N. face; and raise a mound of stone 2 ft. base 1½ ft. high N. of cor. Pits impracticable.
71.00	Descend abruptly over broken ledges.
73.00	Bottom of gulch drains N.W. Ascend also enter scattering pine timber
79.65	The cor. of secs. 8 9 16 and 17 Land mountainous Soil stony 3rd rate Timber scattering aspens on 30.00 chs. scattering pine on 6.65 chs Mountainous land and dense undergrowth on 79.65 chs.

June 27 1900

June 28-1900 at 7 00 a.m. pl. meth. I set off 39°21' on the Lat. arc; 23°19' N. on the dec. arc; and determine a true meridian with the solar at the cor. of secs. 8 9 16 and 17

Thence I run

N. 0°03' W. bet. secs. 8 and 9

Subdivisions of T. 17 S. R. 6 E. continued

Chains	
	Over mountainous land
	Ascend
2,65	Bottom of gulch drains W. Ascend
3 50	Commence descend along W slope also enter underbrush
27,50	Bottom of gulch drains W Ascend
40.00	Marked a stationary sand Rock 10 x 8 x 4 ft. above ground for 1/4 sec. cor. I cut a cross (x) at exact cor. point, on which I marked 1/4 on W. side of cross: I raise a mound of stone 2 ft base 1 ft. high W. of cor. Pits impracticable
66.00	East fork of Lawry Creek 8 lks. wide 4 ins deep runs S.W. Ascend also enter pine and cedars
80.00	The point 1/4 sec. cor. fall on a rock in place 5 x 3 x 1 ft. above ground on which I cut a cross (x) at the exact cor. point for cor. of secs. 4, 5, 8 and 9. Marked with 5 notches on S. and 4 notches on E sides: from which. A pine 10 ins diam bears N. 55° E, 65 lks. dist, marked T. 17 S. 6 R. 6 E. S. 4 B. T. A pine 12 ins diam bears S 59½ E 130 lks. dist, marked T. 17 S. R. 6 E. S. 9 B. T. A cedar 9 ins diam. bears S 21 W 21 lks. dist, marked T. 17 S. R. 6 E. S. 8 B. T. A cedar 18 ins diam bears N 38 W 150 lks dist, marked T. 17 S. R. 6 E. S. 5 B. T. Land mountainous Soil Rocky & thin Timber pine and cedars on 14.00 chs Mountainous land and dense undergrowth on 80.00 chs.
	S. 8° 30' E, on a random line between 4 and 9
41.00	Set a temp 1/4 sec. cor.
79.80	Intersect N and S line 2 8 lks N. of cor. of secs

Subdivision of T. 17 S. R. 6 E. continued

	Thence I run
	N. 89° 45' W. on a true line bet. secs. 4 and 9
	Over mountainous land through aspen and
	pine timber Ascend
14.00	Leave timber N. and S.
17.00	Top of ridge bears N. and S. Descend
18.50	Commence descend abruptly
26.00	Enter aspens and pine timber
37.00	Leave timber N. and S.
39.00	Set a sand stone 12 x 12 x 5 ins. 8 ins. in the
	ground for 1/4 sec. cor. marked 1/4 on N. face;
	and raise a mound of stone 2 ft. base 1½ ft.
	high N. of cor. Pits impracticable
60.00	Commence descend broken ledges
75.00	Bottom of East fork of Lowry creek 10 lks.
	wide 2 ins deep runs S. W. Ascend also
	sides pine timber
79.80	The cor. of secs 4, 5, 8 and 9
	Land mountainous
	Soil stony and rocky 4th rate
	Timber pine on 15.00 chs aspens 10.00 chs
	Mountainous land on 79.80 chs.

	Knowing from previous retracement of the N.
	bdy of this Tp. that a closing cor. would be
	necessary for secs 4 and 5 I run
	N. 0° 03' W. bet. secs. 4 and 5
	Over mountainous land through scatter-
	ing pine timber and dense underbrush
	Ascend
19.00	Road bears N. E. and S. W.
40.00	Set a sand stone 14 x 12 x 4 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
69.95	Intersect the N. bdy. 2.00 chs. N. 43° 32' E. of cor. of
	secs. 4, 5, 32 and 33 heretofore described
	at my point of intersection I set a sand
	stone 14 x 12 x 4 ins. 9 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.

Subdivision of T17 S R 6 E continued

faces: and raise a mound of stone 2 ft. base 1½ ft high S. of cor. Pits impracticable
Land mountainous
Soil stony 3rd rate
Timber scattering on 69.95 chs.
Mountainous land and dense undergrowth on 69.95 chs.
June 28 1900 at this cor I set off 23° 18' N on the decl. arc: and at 12h a.m. l.m.t. observe the sun on the meridian the resulting lat. is 39° 23' N

June 28 1900 at 5h 00m p.m. l.m.t. I set off 39° 17' N on the lat. arc: 23° 18' N on the decl. and determine a true meridian with the solar at the cor. of secs. 5.6.31 and 32 on S. bdy. of T. heretofore described
Thence I run
N 0° 03' W bet secs. 31 and 32
Over ascending land through sage brush
18.00 Commence descend
20.00 Bottom of Lowry river 30 lks. wide 12 ins deep drains S 30° E. Ascend gradually
40.00 Set a sand stone 16 x 12 x 4 ins. 11 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. Pits impracticable
50.00 Set a sand stone 20 x 14 x 3 ins 15 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 raise a mound of stone 2 ft base 1½ ft high W of cor. Pits impracticable
Land mountainous
Soil gravelly 3rd rate
No timber

Subdivision of T17 S R 6 E. continued

Chains	
	Mountainous land and dense undergrowth on 80.00 chs
	June 28-1900
	June 29-1900 At 8h 00m a.m. l.m.t. I set off 39°18' N on the lat. arc: 23°15' N on the decl. arc: and determine a true meridian with the solar at the cor of secs 29, 30, 31 and 32 Thence I run
	East on a random line bet. secs 29 and 32
40.00	Set a temp 1/4 sec. cor.
80.00	Intersect N. and S. line 18 lks. N of cor of secs 28 29 32 and 33
	Thence I run
	N. 89°52' W. on a true line bet. secs. 29 and 32
	Over mountainous land through scrub cedars and pine Descend
18.00	Commence descend abruptly broken ledges.
40.00	Set a sand stone 18x12x6 ins 12 ins in the ground for 1/4 sec. cor. marked 1/4 on N. face: and raise a mound of stone 2 ft. base 1½ ft. high N. of cor.
	Pits impracticable
58.00	Bottom of abruptly decent also leave timber.
	Descend gradually
59.00	Enter Lower Joe's valley
80.00	The cor. of secs. 29, 30, 31 and 32
	Land mountainous
	Soil gravelly and rocky 3rd and 4th rates
	Timber scrub cedars and pine on 58.00 chs.
	Mountainous land on 80.00 chs.
	West on a random line bet. secs. 30 and 31
40.00	Set a temp 1/4 sec. cor.
107.96	Intersect the W. bdy of Tp. 44 lks. N. of cor. of secs. 25 30 31 and 36 heretofore described
	Thence I run
	N. 89°46' E on a true line bet. secs. 30 and 31
	Over mountainous land through scrub cedars and pine Descend

Subdivision of T17S R6E continued

Chains	
28.00	Leave scrub cedars and pine
51.87	Pole fence bears N3° E and S3° W the N.W. cor of which bears N3° E 1.50 chs. dist
54.97	A Log cabin bears S 5.00 chs. dist.
67.96	Set a sand stone 14x12x5 ins 9 ins in the ground for 1/4 sec. cor. marked 1/4 on N. face; and raise a mound stone 2 ft. base 1½ ft. high N. of cor. Pits impracticable
78.00	Pole fence bears N3° E, and S3° W.
86.0	Lowry river 30 lks wide 12 ins deep runs S10° E. Ascend gradually through sage brush
89.97	Road bears N5° W, and S5° E.
107.96	The cor. of secs. 29, 30, 31 and 32
	Land mountainous
	Soil gravelly 3rd rate
	Timber scrub cedars and pine on 28.00 chs.
	Mountainous land on 107.96 chs.
	June 29 - 1900 At this cor. I set off 23° 14' N. on the decl. arc; and at 12h 00m A.M. l.m.t. observe the sun on the meridian the resulting lat. is 39° 18' N.
	N.0° 03' W. bet. secs 29 and 30
	Over ascending mountainous land through sage brush
3.00	Pole fence bears N.88° E, and S.88° W.
40.00	Set a sand stone 14x12x4 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
57.00	A Log cabin bears W 5.00 chs. dist.
73.00	Road bears N15° E, and S15° W.
80.00	Set a sand stone 18x14x10 ins 12 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
	A Cottonwood 12 ins diam. bears S70° W. 70 lks. dist.

Subdivision of T. 17 S. R. 6 E. continued

Marked T. 17 S. R. 6 E. S. 30 B. T.
Cottonwood 6 ins. diam. bears N. 28½ W. 5 lks. dist.
Marked T. 17 S. R. 6 E. S. 19 B. T.
Pine 6 ins. diam. bears N. 9° E. 12 lks. dist.
Marked T. 17 S. R. 6 E. S. 20 B. T.
No trees on sec. 29 within limits therefore
Raise a mound of stone 2 ft. base 1½ ft.
high W. of cor. Pits impracticable
Land mountainous
Soil gravelly 3rd rate
Timber none
Mountainous land on 8000 lks.

S. 89° 05' E. on a random line bet. secs. 20 and 29
4.00 Set a stump 1/4 sec. cor.
79.90 Intersect N. and S. line 21 lks. N. of the cor. of secs. 20, 21, 28 and 29
Thence I run
N. 89° 43' W. on a true line bet. secs. 20 and 29
Over rough mountainous land through scrub cedars and pine. Descend
18.00 Commence descend abruptly over broken ledges
39.95 Point for 1/4 sec. cor. fall on a precipice, and cannot be set
43.80 Bottom of precipice. Set a sand stone 18 x 12 x 4 ins. 12 ins. in the ground for witness 1/4 sec. cor. marked W. C. 1/4 on N. face; and raise a mound of stone 2 ft. base 1½ ft. high N. of cor. Pits impracticable
54.00 Bottom of abrupt descent thence descend gradually also leave timber entering brush N. and S.
55.00 Enter Lower Jack's valley
77.90 Road bears N. 10° E. and S. 15° W.
79.90 The cor. of secs. 19, 20, 29 and 30
Land mountainous
Soil gravelly and rocky 3rd and 4th rates
Timber scrub cedars and pine on 54.00 chs.
Mountainous land on 79.90 chs.

Subdivision of T17 S R 6 E continued

chains	
	June 30 – 1900 At 7 00 a.m. l.m.t. I set off 39°19' N. on the Lat arc; 23°13' N. on the decl. arc; and determine a true meridian with the solar at the cor. of secs. 19 20 29 and 30
	Thence I run
	S. 89°46' W. on a random line bet secs 19 and 30
40.00	Set a temp 1/4 sec. cor.
108.35	Intersect the W. bdy of T. at the cor. of secs. 19, 24, 25, and 30 heretofore described
	Thence I run
	N 89°46' E on a true line bet. secs 19 and 30
	Over mountainous land through sage brush
	Descend
60.00	Enter scattering scrub cedars and pine
68.35	Set a lime stone 16 x 8 x 8 ins 11 ins in the ground for 1/4 sec. cor. marked 1/4 on N. face; and raise a mound of stone 2 ft base 1 1/2 ft high
	N of cor. Pits impracticable
70.00	Enter Lower Joe's valley leave scrub cedars and pine Commence descend rapidly
106.56	Enter Cottonwood timber
107.35	Lawry river 25 lks wide 12 ins deep runs S. 15° W.
107.65	Leave cottonwood timber N. 15° E. and S. 15° W.
108.35	The cor. of secs 19, 20, 29 and 30
	Land Mountainous
	Soil stony 3rd rate
	Timber Cottonwood on 1.49 chs.
	scrub cedars and pine on 10.00 chs
	Mountainous land on 108.35 chs.
	N. 13° W. bet. secs 19 and 20
	Over mountainous land
.70	Enter scattering cottonwood and pine
1.00	Lawry river 20 lks wide 12 deep runs S. 25° W.
	thence along W side of river

Subdivision of T17 S, R, 6 E. continued

Chains	
37.50	Sawry river 30 lks wide 12 ins deep runs S 20° E. A sand leave timber N W, and S, E,
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 1 1/2 ft high W. of cor. Pits impracticable
45.00	Road bears N 10 W and S, 20° E,
55.00	Enter cedars and pine
75.00	Top of spur project S, W, thence along W. slope
80.00	Set a sand stone 16 x 12 x 4 ins 11 ins in the ground for cor. of secs. 17, 18, 19 and 20 marked with 3 notches on S and 5 notches on E edges: from which A cedar 6 ins diam. bears N 45° 30' W, 25 lks dist marked T, 17 S, R, 6 E, S, 18 B, T, A pine 8 ins diam, bears N 75° E 88 lks dist, marked T, 17 S, R, 6 E, S, 17 B, T, A pine 10 ins diam, bears S 76 W 54 lks dist, marked T 17 S R 6 E S 19 B, T, A cedar 8 ins diam, bears S 17° 30 E 57 lks dist, marked T 17 S R 6 E S, 20 B, T, Land mountainous Soil gravelly 3rd rate Timber scattering cottonwood and pine on 36,50 chs. Cedars and pinion pine on 25,00 chs Mountainous land on 80.00 chs,
	S, 89° 43' E, on a random line bet secs 17 and 20
40.00	Set a temp 1/4 sec, cor,
80.00	Intersect N and S line 2 lks, N. of the cor. of secs 16 17 20 and 21 Thence I run N 89° 42' W. on a true line bet secs 17 and 20 Over mountainous land through mahogany Descend
18.00	Commence descend ledges also leave timber

Subdivision of T11S R6E continued

chains	
26.00	Bottom of ledges bear N. and S. descend abruptly
32.00	Commence descend gradually
40.00	Set a sand stone 12 x 8 x 8 ins 8 ins in the ground for 1/4 sec. cor. marked 1/4 on N. face; and raise a mound of stone 2 ft. base 1½ ft. high N of cor. Pits impracticable
51.00	Bottom of gulch drains S.W. Ascend also enter scrub cedars and pine
75.30	Top of spur projects S. Descend
80.00	The cor. of secs 17, 18, 19 and 20 Land mountainous Soil gravelly and Rocky 3rd and 4th rates Timber Mahogany on 18.00 chs, Cedars and pine on 29.00 chs, Mountainous Land on 8.00 chs.
	S. 9 45 W on a random line bet. secs. 18 and 19
40.00	Set a temp 1/4 sec cor;
108.41	Intersect the W. bdy. of Tps. 13 lks S of the cor. of secs 13 18 19 and 24 heretofore described Thence I run N 89 0 E on a true line bet secs 18 and 19 Over mountainous land through service berry brush
7.00	Commence descend abruptly
23.00	Bottom of abrupt descent leave service berry brush descend gradually
39.50	Enter pine timber
41.50	Left fork of Lawry river creek 12 lks wide 6 ins deep drains N 85° E also leave pine timber N 85 E and S. 85 W. Enter sage brush
68.41	Set a Cobble stone 12 x 10 x 9 ins 8 ins in the ground for 1/4 sec. cor. marked 1/4 on W. faces and raise a mound of stone 2 ft base 1½ ft. high N. of cor. Pits impracticable
89.50	Road bears N. and S.

Subdivision of T. 17 S. R. 6 E. continued

Chains	
92.50	Leave sage brush enter pine and cottonwood timber
95.50	Bottom of Lawry River 30 lks wide 14 ins deep draws S 3° E. Descend
96.50	Leave pine and cottonwood enter cedars and pinion pine N. and S.
108.41	The cor. of secs. 17 18 19 and 20 Land mountainous Soil stony 3rd rate Timber pine on 6.00 chs. cottonwood on 4.00 chs. Cedars and pinion pine on 11.91 chs, Mountainous land on 108.41 chs June 30-1900 At this cor I set off 23½ N on the decl. arc: and at 12h 5m a.m. l.m.t. observe the sun on the meridian the resulting Lat is 39° 20' N.
	N. 03° W. bet secs. 17 and 18 Over mountainous land through cedars and pine Descend along W. slope
2.00	Leave cedars and pine enter service berry brush
36.00	Old road bears N.E. and S. 70° W.
38.75	Enter dense willows
39.80	Right fork of Lawry River creek 10 lks. wide 3 ins deep drains S.W.
40.00	Set a cobble stone 12 x 10 x 8 ins 8 ins in the ground for ¼ sec. cor. marked ¼ on W. face: and raise a mound of stone 2 ft. 1½ ft. high W. of cor. Pits impracticable
73.50	Lawry River 25 lks. wide 18 ins deep drains S. 25° W.
77.25	Lawry River 30 lks wide 18 ins deep drains S.E. also enter cottonwood timber
80.00	Set a cobble stone 12 x 8 x 8 ins 8 ins in the ground for cor. of secs. 7. 8. 17 and 18 marked with 4 notches on S. and 5 notches on E. edges: from which A cottonwood 6 ins diam. bears N. 63 E 22 lks dist.

Subdivision of T17S R6E continued.

chains

marked T17S, R6E, S 8 B.T.
A cottonwood 6 ins diam, bears S77°E 48 lks. dist.
Marked T17S, R6E, S, 17 B.T.
A pine 6 ins diam, bears N15W 22 lks. dist.
Marked T17S R6E S 7 B.T.
N1 trees in sec 18 within limits
Land mountainous
Soil stony 3rd rate
Timber cottonwood on 2.75 chs.
Cedars and pine on 2.00 chs.
Mountainous land and dense undergrowth on 80.00 chs.

S89°42'E on a random line bet secs 8 and 17
40.00 Set a temp 1/4 sec. cor.
80.00 Intersect N. and S. line 2 lks. S. of the cor. of secs. 8, 9, 16 and 17
Thence I run
N.89°43'W. on a true line bet secs. 8 and 17
Over mountainous land through scrub cedars and pine Descend
28.00 Right fork of Lawry river creek 10 lks wide 6 ins deep drains S.W. leave timber
31.00 Road bear N. and S.W.
35.00 Small draw drains S10E Ascend
40.00 Set a sand stone 14x12x4 ins 9 ins in the ground for 1/4 sec. cor. marked 1/4 on N. face; and raise a mound of stone 2 ft base 1 1/2 ft high N. of cor. Pits impracticable
65.00 Top of ridge bears N. and S. Descend also enter scrub cedars and pine
80.00 The cor. of secs. 7, 8, 17 and 18
Land mountainous.
Soil stony 3rd rate
Timber scrub cedar and pine on 43.00 chs.
Mountainous Land on 80.00 chs.

Subdivision of T17 S R6 E continued

Chains	
	S89°50' W. on a random line bet. secs. 7 and 18
40.00	Set a temp. 1/4 sec. cor.
108.30	Intersect the W. bdy. of Tp. 3 lks. N of the cor of secs. 7, 12, 13 and 18 heretofore described
	Thence I run
	N89°49' E on a true line bet. secs. 7 and 18
	Over mountainous land through young aspens Descend gently
7.85	Leave aspens N. and S. enter sage brush Descend abruptly
32.85	Commence descend broken ledges bears N. and S.
43.35	Bottom of ledges descend gradually
68.30	Set a sand stone 16 x 12 x 4 ins 11 ins in the ground for 1/4 sec. cor. marked 1/4 on N. face; and raise a mound of stone 2 ft base 1 1/2 ft. high N. of cor. Pit impractical
85.50	Road bears N and S Ascend
91.30	Top of small raise bears N. and S. Descend
99.30	Enter willows and scattering cottonwood and pine
106.85	Lawry river 30 lks wide 12 ins deep drains S
108.30	The cor. of secs. 7, 8, 17 and 18.
	Land mountainous
	Soil gravelly and Rocky 3rd and 4th rates.
	Timber aspens on 7.85 chs Pine and cottonwood on 9.00 chs.
	Mountainous land on 108.30 chs.
	June 30 – 1900
	July 1 – 1900 At 7h 00m a.m. l.mt. I set off 3921 N on the lat arc: 23°09' N on the decl. arc: and determine a true meridian with solar at the cor. of secs 7, 8, 17 and 18
	Thence I run
	N0°03' W. bet secs 7 and 8
	Over mountainous land through scattering Cottonwood and pine
1.00	Lawry river 30 lks. wide 12 ins deep drains S. W. Ascend on W. side of river

Subdivision of T17S R6E continued

chains	
13.00	Leave timber enter sage brush
40.00	Set a sand stone 16x14x5 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 1 1/2 ft high W. of cor. Pits impracticable
43.00	Enter cottonwood and dense willows
70.00	Leave cottonwood and willows ascend rapidly
80.00	Set a sand stone 16x12x4 ins 11 ins in the ground for cor. of secs 5 6 7 and 8 marked with 5 notches on S. and E. edges; and raise a mound of stone 2 ft base 1 1/2 ft high W. of cor. Pits impracticable
	Land mountainous
	Soil gravelly 2nd rate
	Timber cottonwood on 25.00 chs
	Pine on 13 chs.
	Mountainous land and dense undergrowth on 80.00 chs.
	S 89° 43' E on a random line bet. secs. 5 and 8
40.00	Set a temp 1/4 sec. cor.
79.90	Intersect N and S line 19 lks S. of the cor. of secs 4, 5, 8 and 9.
	Thence I run
	N 89° 51' W on a true line bet. secs. 5 and 8
	Over mountainous land through scattering pine timber Ascend
4.25	Road bears N. and S.
5.00	Leave timber enter scattering cedars and pinion pine
39.95	Set a sand stone 16x12x5 ins 11 ins in the ground for 1/4 sec. cor. marked 1/4 on N. face and raise a mound of stone 2 ft base 1 1/2 ft high N of cor. Pits impracticable
43.00	Top of ridge bears N and S. Descend
72.00	Leave cedars and pine enter cottonwood and [illegible] timber

Subdivision of T17S R6E continued

Chains	
74.00	Lawry river 30 lks. wide 12 ins deep runs S. Ascend
76.00	Leave timber N. and S. enter sage brush
79.90	The cor. of secs. 5 6 7 and 8
	Land mountainous
	Soil stony 3rd rate
	Timber pine on 8.50 chs.
	Cottonwood on 3.50 chs
	Cedars and pinion pine on 67.50 chs.
	Mountainous land on 79.90 chs.
	S 89°49' W on a random line bet secs 6 and 7
40.00	Set a temp 1/4 sec. cor.
107.93	Intersect the W. bdy of T. 3 lks N of the cor. of secs 1 6 7 and 12 heretofore described
	Thence I run
	N 89°48' E on a true line bet secs 6 and 7
	Over mountainous land young aspens
	Descend abruptly
37.79	Leave aspen N. and S.
48.00	Commence descend ledges bears N. and S.
62.79	Bottom of ledges enter Lower Joe's valley
	Descend gradually through dense sage brush
67.93	Point for cor falls on a rock in place 8 x 5 x 4 ft above ground on which I cut a cross (+) at the exact cor. point for 1/4 sec. cor. marked 1/4 N of cross: and raise a mound of stone 2 ft base 1½ ft high
	N. of Cor. Pits impracticable
91.79	Road bears N and S Ascend
97.50	Top of raise bears N and S Descend
107.93	The cor. of secs. 5 6 7 and 8
	Land mountainous
	Soil gravelly and Rocky 3rd 4th rates
	Timber aspen on 37.79 chs
	Mountainous land on 107.93 chs

Resurvy commenced July 15 1900 and executed with a Buff and Burger light mountain transit with solar attachment for a description of which see book P.

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

At my camp which is located a small fraction over 2 miles E of the old Standard Cor. of Tps. 15 S. Rs. 6 and 7 E. heretofore described I set a stake 3 ins square 20 ins long 14 ins in the ground: Latitude 39°28' N longitude 111°11' West At 4h 00m p.m. L.M.t. I set off 39°28' N on the lat. arc: 21°31' N on the decl. arc: and determine with the solar a true meridian: and mark a point thereof on a stone finaly set in the ground 5 chs N of my station

July 15 At 11h 54m P.M. L.M.t. I observe Polaris at eastern elongation in accordance with Manual of instructions and mark a point in the line thus determined on a plug driven in the ground 5 chs N. of my station

July 15 1900

July 16 1900 At 8h 00m a.m. L.M.t. I lay the azimuth of Polaris 1°35' to the west and marked the true meridian thus determined by a cross on the stone set July 15 on which the true meridian fall 0.2 ins East of the mark determined by the solar.

At 7h 00m a.m. L.M.t. I set off 39°28' N on the Lat. arc: 21°24' N on the decl. arc: and mark a point on the true meridian determined with the solar by a small groove on the stone already set 5 chs N of my station this mark fall 0.1 ins east of the true

meridian established by the Polaris observation.
The solar apparatus by p.m. and a.m. observation defines positions for true meridian respectively about 0.11" west and 0.05" east of the true meridian established by the Polaris observation: therefore I conclude that the adjustment of the instrument are satisfactory.
The magnetic bearing of the true meridian at 7h 10m a.m. east, is N 16°08' W the angle thus determined reduce by the table page 100 gives the mean mag. decl. 16°02' E
Preliminary to commencing the subdivisions of this, and in order to test the closing of the exteriors: I proceed to the old Standard Cor. of Tps. 15 S Rs. 6 and 7 E heretofore described at 9h 00m a.m. l.m.t. I set off 39°28' N on the Lat arc: 21°23' N on the dec. arc: and determine a true meridian with the solar at the above described cor.
Thence I run
East on a blank line on south bdy of sec 31 at 31.88 chs intersect the closing cor. of Tps 16 S R 6 and 7 E set by me on the survey of the E bdy. of Tp 16 S R 6 E. at 40.00 chs after diligent search the Standard 1/4 sec. cor. could not be found at 80.00 chs I again search within the radius of 5 chs. but no trace of Standard sec. cor. could be found, neither could I find any cor. or trace of them on any other part of this line: and at 483.48 chs intersect N and S line 12.60 chs. S of old Standard Tp cor. of Tps 15 and 16 S Rs 7 and 8 E described in notes of the retracement of the Third Standard Parallel South through range 8 E. at my point of intersection I set a limestone 18 x 8 x 4 ins 12 ins in the ground for Standard closing cor. for Tps 15 and 16 S R 7 E. marked C.C. 7 E on W. S.C. 15 S on N and 16 S on S with 6 grooves on N S and W faces: and raise a mound of stone 2 ft base

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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 _____

_____

owing the respective capacities in which they acted:

_____, *Chainman.*

_____, *Chainman.*

_____, *Moundman.*

_____, *Moundman.*

_____, *Axman.*

_____, *Axman.*

_____, *Flagman.*

For final affidavits see book B, pp 155 R&E

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted _____

_____, United States Deputy Surveyor, in surveying all of the 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 proper monuments established, according to the instructions furnished by the United States Surveyor General for _____

_____, *Chainman.*

_____, *Chainman.*

_____, *Moundman.*

_____, *Moundman.*

_____, *Axman.*

_____, *Axman.*

_____, *Flagman.*

For final affidavits see book B, pp 155 R&E

_____

Subscribed and sworn to before me this _____

day of _____, 189

SEAL

_____

_____

BOOK A-275

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, November 2, 1900

The foregoing field notes of the survey of The subdivisions of Township 17 South Range 6 East of the Salt Lake Base and Meridian, Utah

executed by James C. Dick under his contract No. 332, dated November 24, 1899, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Edward H. Anderson
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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4—679.

BOOK A-275

H.J.B.

FIELD NOTES

OF THE re SURVEY OF THE

Third Standard Parallel South

through

R 6 E

North Boundary of T16S-R6E

Of the Salt Lake Base and Meridian,

State of Utah.

AS SURVEYED BY

James C. Dick, United States Deputy Surveyor,

under his Contract No. 233, dated November 24, 1899

Survey commenced July 1 - 1900 -, ~~189~~

Survey completed July 3 - 1900 -, ~~189~~

6—151

Stand - Resurvey - high 4-35-20 ✓

" Retracement Corr 1-40-00 ✓

24

BOOK A-275

NAMES AND DUTIES OF ASSISTANTS.

Alfredo R Talamantes	Chainman
Frank T Roberts	Chainman
Earnest Toone	Chainman
Oliver C. London	Chainman
J. Morrison	Moundman
David H Wood	Axman
Harry A Rager	Flagman

For preliminary affidavits see Book G. Fp 155 R8 E

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BOOK A-275

INDEX DIAGRAM.

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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 cor- and other duties, according to instructions given us, to the best of our skill and ability, in the survey _____

_____, *Axma*

_____, *Axma*

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

SEAL

_____

_____

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

_____, *Flagm*

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

SEAL

_____

_____

Resurvey of 3rd Standard Parallel S. through R 6 E.

Resurvey commenced July 1st 1900 and executed with a Buff and Berger light mountain transit with solar attachment for a description of which see book P.

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

At my camp which is situated near the eastern boundary of sec 15 T 16 S, R 6 E in lat 39°25 N longitude 111°16 west; I set off 39°25' N on lat arc, 23°06' N on decl arc and at 4h00m p.m. l.m.t. determine with the solar a true meridian and mark a point thereof on a stake firmly driven in the ground 5.00 chs N of my station.

July 1st 1900.

July 2nd 1900:- At 0h47m a.m. l.m.t. I observe Polaris at eastern elongation in accordance with the Manual of Instructions and mark a point on the line thus determined on a plug driven in the ground 5.00 chs N of my station.

At 3h00m a.m. l.m.t. I lay off the azimuth of Polaris 1°35½ the west and mark the true meridian thus determined by a tack driven in the stake set July 1. 1900 on which the true meridian falls 0.3 ins east of the mark determined by

Resurvey of 3rd Standard Parallel S through R6E.

the solar.
At 8h00m a.m. l.m.t. I set off 39°25'N on lat arc 23°04'N on decl arc and mark a point in the true meridian determined with the solar by a pencil mark on the stake already alt 5.00 chs N of my station; this mark falls 0.3 ins east of the true meridian established by the Polaris observation.
The solar apparatus by p.m. and a.m. observations defines positions for true meridians respectively about 0'16" west and 0'16" east of the meridian established by the Polaris observation therefore I conclude that the adjustments of the instrument are satisfactory.
The magnetic bearing of the true meridian at 8h30m a.m. l.m.t. is N16°05'W; the angle thus determined reduced by the table page 100 of the Manual gives the mean mag decl 16°00'E.

July 21 1900:- At 10h00m a.m. l.m.t I set off 39°28'N on lat arc 23°03'N on decl arc; and determine a true meridian with the solar at the old standard cor of 4th 15S Rs 6 and 7 East which is a sandstone 6x8x6 ins above ground properly marked as described by the Surveyor General from which.
An aspen 5 ins diam bears N 38½°E 45 lks dist marked T15S-R7E S31 B.T.
An aspen 6 ins diam bears N61°W 21 lks dist marked T15S-R6E S36 B.T.
Thence I run
west on a blank line on

Resurvey of 3rd Standard Parallel S. Through R 6 E.

S bdy of sec 36: at 40.00 chs after
diligent search I was unable to find
any trace of old standard ¼ sec cor
at 80.00 chs. after diligent search
I was unable to find any trace
of old standard cor of secs 35 and
36 therefore I continue my line
west and find many of the
corners missing and the
measurement to be defective.
at 5 mi 40.00 chs I intersect
old standard ¼ sec cor on S bdy
sec 31 which is a sandstone
10 x 5 x 8 ins above ground marked
and witnessed as described by
the Surveyor General: at 6 miles
I am unable to find old standard
cor of Tps 15 S Rs 5 and 6 East:
therefore I return to old standard
cor of Tps 15 S, Rs 6 and 7 East here
tofore described and resurvey
the third standard parallel through
range 6 East as follows

July 2 1900.

West on S bdy of sec 36.
Over mountainous land through
dense aspen timber.
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 chs, the mean of which
is
40.00 which according to blank line previously
run is the proportionate distance
for ¼ sec cor. As old cor could
not be found I mark
An aspen bee 6 ins in diam for
standard ¼ sec cor marked S.C. ¼ S 36

Resurvey of 3rd Standard Parallel S. through R 6 E.

on N side from which,
An aspen 5 ins diam bears N 38 lbs dist-
marked S.C. 1/4 S 36 B.T.
An aspen 6 ins diam bears N 10° W
25 lbs dist-marked S.C. 1/4 S 36 B.T.
Descend.
55.00 Bottom of gulch drains S.E. Ascend
75.00 Point of spur project S.E. Descend
77.00 Small spring. drains S.
Difference between measurements
of 80.00 chs by two sets of chainman
is 12 lbs; position of middle point
By 1st set 79.94 chs.
By 2nd set 80.06 chs. The mean of which
is
80.00 which according to blank line pre-
viously run is the proportionate
distance for standard cor of secs
35 and 36 and being unable to find
the same I establish cor as
follows.
Point for cor falls on S face of
sandstone ledge.
Mark a cross (X) at exact cor point
with 1 groove E and 5 grooves W of
cross from which
An aspen 9 ins diam bears N 45° E
65 lbs dist-marked T 15 S - R 6 E S 36 B.T.
An aspen 9 ins diam bears N 40° W
35 lbs dist-marked T 15 S - R 6 E S 35 B.T.
Land mountainous.
Soil stony.
3° land 4th rate.
Timber aspen on 80.00 chs.
Mountainous land on 80.00 chs.

July 3 1900 at 9h 00m a.m. l.m.t.
I set off 39° 28' N on lat arc 22° 59' N
on decl arc and determine a time

meridian with the solar at the standard corner of secs 35 and 36
Thence I run
west on S bdy of sec 35
over mountainous land
descending through aspens.

12.60 Bottom of gulch drains southerly
Ascend, leave aspens.
Difference between measurements
of 40.00 chs by two sets of chainmen
is 6 lks; position of middle joint
By 1st set 39.97 chs.
By 2nd set 40.03 chs, the mean
of which is

40.00 which, according to blank. line
previously run is the proportionate
distance for standard 1/4 sec
cor on S bdy sec 35 and being
unable to find the same I
re-establish cor as follows.
Set a sandstone 16 x 14 x 16 ins 11 ins
in the ground for stand 1/4 sec
cor marked S.C. 1/4 on N face and
raised a mound of stone 2 ft
base 1 1/2 ft high N of cor.
Sets impracticable
Ascend.

43.00 Top of main divide between
Jos valley and Huntington
canon bears N and S.E.
Descend through aspens and dense
undergrowth.
Difference between measurements
of 80.00 chs by two sets of chainmen
is 8 lks; position of middle joint
By 1st set 79.96 chs.
By 2nd set 80.04 chs. The mean of
which is

80.00 which, according to blank line
previously run, is the proportionate
distance for standard cor of

Resurvey of 3rd Standard Parallel S. through R 6 E.

secs 34 and 35 and being unable
to find the same I re-establish
cor as follows.
An aspen 6 ins diam for standard
cor of secs 34 and 35 marked S.C. T 15 S
R 6 E on N, S 35 on E. and S 34 on W
sides with 2 notches on E and 4
notches on W sides from which
an aspen 4 ins diam bears N 80° E
2 lks dist marked T 15 S R 6 E "
S 35 B.T.
An aspen 6 ins diam bears N 38° W 13
lks dist marked T 15 S - R 6 E, S 34 B.T.
Land mountainous.
Soil stony and gravelly.
3rd rate.
Timber aspen on 39.69 chs.
Mountainous land on 80.00 chs.

---

west on S bdy of sec 34.
Over mountainous land, descending through dense aspen timber.
526 Finds old closing cor for secs 2 and 3
T 16 S R 6 E which is a sandstone
11 x 10 x 6 ins lying at base of aspen
tree; properly marked and mound
west of same.
As sandstone is not suitable for
re-setting I establish cor as follows.
An aspen 3 ins diam for closing
cor for secs 2 and 3 marked C.C.
T 16 S - R 6 E, on S, S 2 on E and
S 3 on W sides from which.
An aspen 4 ins diam bears S 45° E 24 lks
dist marked T 16 S - R 6 E S 2 B.T.
An aspen 4 ins diam bears S 20° W 19
lks dist marked T 16 S - R 6 E, S 3 B.T.
21.00 Foot of abrupt descent.
22.70 Wagon road bears N and S

Resurvey of 3rd Standard Parallel S through R 6 E.

Leave timber, enter swamp.
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 chs the mean of which is
40.00 which, according to blank line previously run, is the proportionate distance for standard ¼ sec cor on S bdy sec 34 and being unable to find the same I re-establish cor as follows.
Set a sandstone 16x12x4 ins 11 ins in the ground for standard ¼ sec cor marked S.C. ¼ on N face and raised a mound of stone 2 ft base 1½ ft high N of cor. Pits impracticable
42.65 Creek 4 lks wide drains south
Ascend gently and leave swamp.
67.00 Top of ridge bears N and S. Descend through dense aspen timber.
Difference between measurements 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 Intersect old standard cor of secs 33 and 34 which is a limestone 9x6x8 ins above ground marked as described by the Surveyor General but not properly witnessed. Therefore I mark bearing trees as follows.
An aspen 8 ins diam bears N 18° E 19 lks dist marked T 15 S R 6 E, S 33 B.T.
An aspen 6 ins diam bears N 48° E 43 lks dist marked T 15 S R 6 E, S 34 B.T.

Resurvey of 3rd Standard Parallel S through R 6 E.

Land mountainous.
Soil gravelly and black loam.
2nd and 3rd rate.
Timber aspen on 3640 chs.
Mountainous land on 8000 chs.
July 3 19.00 - At this cor I set off 22°58'N on decl arc and at 12h00m a.m. l.m.t. observe the sun on the meridian; the resulting lat is 39°28'N.

West on S bdy of sec 33.
Over mountainous land through scattering aspen. ascending.

5.26 Intersect old closing cor of secs 3 and 4 which is an aspen post 3 ins square and 2 ft above ground marked and witnessed as described by the Surveyor General.

17.00 Leave scattering aspen.

21.00 wagon road bears N 15° W and S 15° E.

33.00 Top of low ridge bears N and S. Descend.

39.80 Intersect old standard 1/4 sec cor which is a sandstone 10×6×8 ins above ground marked and witnessed as described by the Surveyor General.

56.00 Bottom of left fork of upper Joe's valley canon drains S 10° E. Ascend.

63.00 Enter dense aspen timber.

80.00 Intersect old standard cor of secs 32 and 33 which is a sandstone 10×6×5 ins above ground marked as described by the Surveyor but not properly witnessed. I mark bearing trees as follows. An aspen 5 ins diam bears N 14° W 7 lks dist marked T 15 S - R 6 E, S 32 B.T.

Resurvey of 3rd Standard Parallel South through R6

	An aspen 6 ins diam bears N 78° E 34 lks dist - marked T 15 S - R 6 E S 33 B.T.
	Land mountainous.
	Soil gravelly.
	2nd and 3rd rate.
	Timber aspen on 34.00 chs.
	Mountainous land on 8.00 chs.
	West on S bdy of sec 32.
	Over rough mountainous land through dense aspen timber. Ascending
7.00	Intersect old closing cor of secs 4 and 5 T 16 S R 6 E which is a sandstone 7 x 6 x 9 ins above ground, marked and witnessed as described by the Surveyor General.
21.00	W of spur projects south.
	Descend rapidly.
	Difference between measurements of 40.00 chs by two sets of chaining is 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	which, according to blank line previously run, is the proportionate distance for standard 1/4 sec cor on S bdy sec 32 and being unable to find the same I re-establish cor as follows.
	Set a sandstone 16 x 13 x 7 ins 11 ins in the ground for standard 1/4 sec cor marked S.C. 1/4 on N face
	from which
	An aspen 12 ins diam bears N 56° E 70 lks dist - marked S C 1/4 S 32 B.T.
	An aspen 10 ins diam bears N 45° E 50 lks dist - marked S.C. 1/4 S 32 B.T.
46.00	Bottom of draw draining South

Resurvey of 3rd Stand Parallel S through R 6 E.

Ascend.
46.50 Old wagon road bears N and S.
58.75 Old wagon road bears N and S.
66.00 Large spring 25 lks north of line.
74.25 Spring 5 lks diam and 3 lks deep 60 lks N of line.
Difference between measurements of 80.00 chs by two sets of chainmen is 8 lks; position of middle point.
By 1st set 79.96 chs.
By 2nd set 80.04 chs. The mean of which is
80.00 Intersect old standard cor of secs 31 and 32 which is a sandstone 10x4x12 ins above ground marked as described by the Surveyor General but not properly witnessed therefore I mark bearing trees as follows.
An aspen 12 ins diam bears N 74° E 85 lks dist marked T 15 S - R 6 E. S 32 B.T.
An aspen 9 ins diam bears N 4° W 20 lks dist marked T 15 S - R 6 E, S 31. B.T.
Land mountainous.
Soil stony.
3rd rate.
Timber aspen on 80.00 chs.
Mountainous land on 80.00 chs.

West on S bdy sec 31.
Over mountainous land through pine and aspen timber.
6.00 Creek 10 lks wide drains S.E. also bottom of hollow drains same; ascend abruptly.
38.00 Small spring on line.
Difference between measurements of 40.00 chs by two sets of chainmen is 4 lks; position of middle point

Resurvey of 3rd Stand Parallel S through R 6 E.

By 1st set - 39.98 chs.
By 2nd set - 40.02 chs. The mean of which is

40.00 Intersect old standard 1/4 sec cor on S bdy sec 31 which is a sandstone 10 x 5 x 8 ins above ground marked and witnessed as described by the Surveyor General.

51.00 T of of ridge bears N.W. and S.E. Descend S.W. slope through scattering timber and dense underbrush. At 80.00 chs after dilligent search I was unable to find any trace of old standard cor of T 15 S Rs 5 and 6 East with in a radius of 5.00 chs. therefore at this point I set a temp cor for these townships which was afterwards destroyed and a permanent cor established at 76.20 chs as the N.W. cor of T 16 S R 6 E only, the same being described in the notes of West boundary of T 16 S R 6 E.
Difference between measurements of 76.20 chs by two sets of chainmen is 10 lks; position of middle point.
By 1st set 76.15 chs.
By 2nd set 76.25 chs. The mean of which is

76.20 Point where permanent cor was established.
Land mountainous.
Soil stony.
3rd rate
Timber pine and aspen on 76.20 chs.
Mountainous land on 76.20 chs.

July 3rd - 1900.

James C Dick
MS Dep Surveyor

BOOK A-275

Resurvey of 3rd Standard Parallel S through R 6 -

General Description.

For general description see notes of subdivision of this township.

James C Dick
Dep Surveyor

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.*

For final affidavits see book X. fp 155 R 1 E

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.*

For final affidavits see book X. fp 155 R 1 E.

_____

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

_____

_____

SEAL

BOOK A-275

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, _____, United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from _____, bearing date of the United States Surveyor General for _____, dated 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, December 2, 1899

The foregoing field notes of the survey of the Third Standard Parallel South, Range 6 East, of the Salt Lake Base and Meridian, Utah _____ _____ _____ _____ _____ executed by James C. Peck under his contract No. 283, dated November 24, 1899, having critically examined, and the necessary corrections and explanations made, the said field notes, and surveys they describe, are hereby approved.

Edward A. Anderson

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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~~4~~—679.

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BOOK A-275

R.3.B.

FIELD NOTES

OF THE retracement ~~SURVEY~~ OF THE

Subdivisions

of

T16S-R6E

Of the Salt Lake Base and Meridian,

State of Utah

AS SURVEYED BY

James C. Dick, United States Deputy Surveyor,

under his Contract No. 233, dated November 24, 1899.

Retracement ~~Survey~~ commenced July 4 - 1900. ~~189~~

Retracement ~~Survey~~ completed July 5 - 1900 - ~~189~~

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M. Chas Ike -

Retracement Low - 14-49-81 ✓

Resurvey high 40.00 ✓

4

BOOK A-275

NAMES AND DUTIES OF ASSISTANTS.

Earnest Toone	Chainman
Oliver C London	Chainman
J. Morrison	Mountman
David H Wood	Axman
Harry A Rager	Flagman

For preliminary affidavits see Book B Tp 17 S. R 8 E.

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Volume

#

R0275

BOOK A-275

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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 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

_____

_____, *Axma*

_____, *Axma*

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

_____

SEAL

_____

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

survey of _____

_____, *Flag*

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

_____

SEAL

_____

Retracement of Subdivision of T16S R6E

Retracement commenced July 4. 1900 and executed with a Buff and Berger light mountain transit with solar attachment for a description of which see book. P.

For complete test of solar apparatus see notes of resurvey of 3rd Standard Parallel South through range 6 East Book T.

July 4 1900 :- At 8h 00m a.m. l.m.t. I set off 39°24' N on the lat arc 22°54' N on decl arc and determine a true meridian with the solar at old cor of secs 20, 21, 28, and 29 which is a sandstone 16x14x6 ins above ground marked and witnessed as described by the Surveyor General.

Thence I run

East on retracement line bet secs 21 and 28

Over mountainous land ascending through scattering aspen timber.

32.50 Top of ridge bears N and S. Descend.

40.17 Fall 96 lks S of old 1/4 sec cor which is a sandstone 10x6x14 ins above ground marked and witnessed as described by the Surveyor General. The course of line between corners is therefore N88°38'E and dist - 40.18 chs.

From 1/4 sec cor I continue East:

69.50 Pole fence bears N and S. Leave aspen

81.10 Bottom of East fork of Lamory creek 2 lks wide drains S.E.

81.50 Fall 1.13 chs S of old cor of secs 21, 22 27 and 28 which is a sandstone 14x8x4 ins lying in mound of stone. reset same 10 ins in the ground and raised mound of stone 2 ft base 1½ ft high W of cor

Retracement of subdivision of T 16 S - R 6 E.

Pits impracticable.
Stone was properly marked as described by the Surveyor General.
Course of line between corners is therefore N 88° 2C' E and distance 41.35 chs
Land mountainous.
Soil stony
2nd and 3rd rate.
Timber aspen on 69.50 chs.
Mountainous land on 81.53 chs.

South bet secs 27 and 28
over meadow land.
Ground gently.
6.50 Bottom of East fork of Lawry creek 2 chs wide drains S.E.
20.80 Pole fence bears E and W. Leave meadow
21.50 Road bears E and W
25.00 Bottom of E fork of Lawry creek 2 chs wide drains S.W.
41.95 Intersect old 1/4 sec cor which is a sandstone 8 x 6 x 8 ins above ground marked and witnessed as described by Surveyor General.
Land level.
Soil loam and gravel.
1st and 2nd rate.
No timber.
Level land on 41.95 chs.

From cor of secs 21, 22, 27 and 28
1 mile
East between secs 22 and 27
over meadow land.
23.20 Pole fence bears N 10° E and S 10° W
Leave meadow

Retracement of Subdivision of T16S-R6E.

24.00	Road bears N and S.
25.00	Enter small aspens and ascend abruptly.
39.93	Fall 2.41 chs N of old 1/4 sec cor which is a sandstone 11x6x6 ins above ground marked and witnessed as described by the Surveyor General. The course of this line is therefore S86°33'E and distance 40.00 chs. Land level and mountainous. Soil loam and gravel. 1st and 2nd rate. Timber scrub aspen on 15.00 chs. Level land on 23.20 chs. Mountainous land on 16.80 chs.
	July 4 1900:- At 12h00m a.m. l.m.t. I set off 22°53'N on decl arc and observe the sun on the meridian at the old cor of secs 21, 22, 27 and 28 the resulting lat is 39°24'N Thence I run North bt secs 21 and 22. From corner C.E. Kofford's house bears S75°W 6.61 chs dist. Barn bears S70°W 4.83 chs dist. Corral bears S80°W 4.41 chs dist.
1.00	East fork of Lawry creek 2 lks wide drains S15°W Leave meadow, enter sage brush.
4.00	Pole fence bears E and W Ascend gradually.
18.00	Enter scattering pine and aspen Descend gradually.
20.00	Leave scattering pine and aspen Enter meadow.
40.41	Fall 117 lks E of old 1/4 sec cor which is a sandstone 14x10x3 ins

above ground marked as described by the Surveyor General but not properly witnessed therefore I raised a mound of stone 2 ft base 1½ ft high W of cor.
Pits impracticable.
The course of line between corners is therefore N 1° 39' W and dist - 40.42 chs.
From ¼ sec cor I continue North.

44.00 Pole fence bears E and W.
48.00 Swamp 5.0 lks chains bears East - 2.5 lks dist -
80.65 Fall 2.7 lks East of old cor of secs 15, 16 21 and 22 which is a sandstone 10 x 6 x 8 ins above ground, marked and witnessed as described by the Surveyor General.
The course of this line between corners is therefore N 0° 23' W and dist 40.23 chs.
From above described cor a cabin bears N 7° E 15.00 chs dist -
Corral bears N 64° E 15.00 chs dist -
Land level and rolling
Soil loam and gravelly.
1st and 3rd rates.
Timber scattering pine and aspen on 12.00 chs
Level or rolling land on 80.65 chs.

Except bet secs 15 and 22.
Level land.

0.90 Road bears N.W. and S.E.
2.05 Road bears N.W. and S.E.
7.80 Road bears N.W. and S.E.
16.50 Gulley drains southerly.
21.15 Road bears N and S
33.50 Ditch drains south.
40.17 Found 4 0 lks S of old ¼ sec cor

which is a sandstone 14 x 4 x 6 ins above ground marked and witnessed as described by the Surveyor General. Ascend through aspens.

55.00 Leave bottom land, commence rapid ascent.

80.00 Fall 80 lks S of old cor of secs 14, 15 - 22 and 23 which is a sandstone 8 x 6 x 7 ins above ground marked and witnessed as described by the surveyor General.
The course of this line is therefore N 89° 26' E.
Land level and mountainous.
Soil loam and gravel.
Timber aspen on 23.00 chs.
Level land on 55.00 chs.
Mountainous land on 25.00 chs.

North bet secs 14 and 15 - Over mountainous land through dense aspen and scattering pine timber, descending along W slope.

36.00 Leave large aspen and pine enter small aspen.

40.00 Fall 26 lks East of old 1/4 sec cor which is a sandstone 9 x 6 x 6 ins above ground marked and witnessed as described by the Surveyor General.

50.50 Gulch drains West. Ascend..

53.00 Descend gradually.

80.05 Fall 54 lks East of old cor of secs 10, 11, 14 and 15 which is a sandstone 10 x 6 x 12 ins above ground marked and witnessed as described by the Surveyor General.
The course of this line is therefore N 0° 23' W

Retracement of Subdivision of T16S-R6E

Land mountainous.
Soil stony.
3rd rate.
Timber aspen on 80.05 chs.
Scattering pine on 36.00 chs.
Mountainous land on 80.05 chs.

North bet secs 10 and 11
Over mountainous land, through dense young aspen, descending along steep W slope.
5.75 Head of ravine drains N60°W ascend.
10.50 Commence descent.
40.27 Fall 25 lks East of old ¼ sec cor which is a sandstone 8×7×6 ins above ground marked and witnessed as described by the Surveyor General.
74.50 Bottom of small gulch drains west. Spring branch 2 lks wide drains same.
80.72 Fall 54 lks East of old cor of secs 2, 3, 10 and 11 which is a sand stone 10×6×12 ins above ground marked as described by the Surveyor General but not properly witnessed. Therefor I mark bearing trees as follows.
An aspen 5 ins diam bears N44°W 15 lks dist marked T16S-R6E S3 B.T.
An aspen 6 ins diam bears S37°W 30 lks dist marked T16S-R6E S10 B.T.
Also raised a mound of stone 2 ft base 1½ ft high W of cor.
Pits impracticable.
The course of this line is therefore N0 23° W.
Land mountainous.
Soil stony 3rd rate.
Timber small aspen on 80.72 chs.

Retracement of Subdivision of T16 S-R 6 E

Mountainous land on 80.72 chs.

From old cor of secs 2, 3, 10 and 11 I run
North bt secs 2 and 3
over mountainous land, along
west slope through dense young
aspens.

40.27 Fall 48 lks East of old 1/4 sec ~~cor~~ which
is a sandstone 10x7x10 ins above
ground marked and witnessed as
described by the Surveyor General.

79.80 Intersect third standard Parallel
south, 1.00 chs East of closing cor
of secs 2 and 3 as re-established
by me in resurveys of third
Standard Parallel South through
range 6 East and described in
notes of said resurvey.
The course of this line is
therefore N 0° 43' W. and distance 79.81 chs.
Land mountainous.
Soil stony.
3rd rate.
Timber small aspen on 79.81 chs.
Mountainous land on 79.81 chs.
July 4 1900

July 5. 1900: At 7h 30' am l in t. I
set off 39° 23' N on lat arc 22° 49' N on
decl arc and determine a true
meridian with the solar at the
old cor of secs 32. and 33 on the
south boundary of the township
heretofore described.
Thence I run
North on retracement line
between secs 32 and 33

Retracement of Subdivision of T. 16 S. - R. 6 E.

	over mountainous land ascending along steep west slope through scattering aspen and pine timber.
40.00	Find old 1/4 sec cor which is a sandstone 18 x 12 x 4 ins lying on the surface of ground and properly marked as described by the Surveyor General. I reset same 12 ins in ground and raised a mound of stone 2 ft base 1 1/2 ft high W of cor. Pits impracticable.
47.00	Top of spur projects westerly.
	Descend.
58.60	Head of draw drains westerly.
	Ascend.
80.00	Intersect old cor of secs 28, 29, 32 and 33 which is a sandstone 5" x 8" x 5" ins above ground, marked and witnessed as described by the Surveyor General.
	The course of this line is therefore due North.
	Land mountainous.
	Soil stony.
	3rd rate.
	Timber scattering pine and aspen on 80.00 chs.
	Mountainous land on 80.00 chs.
	North between secs 28 and 29 over mountainous land ascending along west slope through dense oak undergrowth.
33.00	Top of spur projects westerly.
	Descends.
40.00	Fall 2.90 chs east of old 1/4 sec cor which is a sandstone

Retracement of Subdivision of T16S.-R6E.

8x6x6 ins above ground marked as described by the Surveyor General but not properly witnessed therefore I raised a mound of stone 2 ft base 1½ ft high W of cor. Pits impracticable.

47.00 Head of draw drains westerly. Ascend through small aspens.

73.00 Top of spur projects westerly. Descend.

79.79 Fall 5.81 chs East of old cor of secs 20, 21, 28 and 29 heretofore described.

The course of this line is

80 therefore N 4°10' W and dist bet corners 80.00 chs.

Land mountainous.

Soil stony.

Soil rate.

No timber.

Mountainous land and dense undergrowth on 80.00 chs.

From cor of secs 20, 21, 28 and 29 I run

West bet secs 20 and 29.

Over mountainous land descending through small aspens and sage brush.

23.65 Main fork of Lawry canon. Creek 10 lks wide drains South. Ascend through dense oak brush, leave aspen.

25.00 Old road bears N and S.

40.00 Intersect old ¼ sec cor which is a sandstone 12x4x6 ins above ground marked as described by the Surveyor General but not properly witnessed, therefore I raised a mound of stone

	2 ft base 1½ ft high N of cor. Pits impracticable. The course of this line is therefore due west. Land mountainous. Soil stony and gravelly. 3rd and 4th rate. No timber. Mountainous land and dense undergrowth on 4000 chs.
	From cor of secs 20, 21, 28 and 29 I run. North bet secs 20 and 21. Ascend gradually over mountainous land through scattering scrub aspen
40.57	Fall 54 lks East of old ¼ sec cor which is a sandstone 12x10x4 ins above ground marked and witnessed as described by the Surveyor General. The course & dist bet corners is therefore N 0° 46' W and distance 40.57 chs.
	From ¼ sec cor I continue North.
44.00	Top of flat spur projects West. Descend.
71.10	Gulch drains S.W. ascend
80.51	Fall 15 lks East of old cor of secs 16, 17, 20 and 21 which is a sandstone 10x8x6 ins above ground marked and witnessed as described by The Surveyor General. The course & dist bet corners is therefore N 0 13' W and dist 39.94 chs. Land mountainous. Soil stony.

Retracement of Subdivision of T.16 S-R.6 E.

3rd rate.
No timber.
Mountainous land on 80.51 chs.

From cor of secs 16, 17, 20 and 21
I run,
West bet secs 17 and 20.
Over mountainous land descending through dense sage undergrowth and scattering scrub aspen.

10.80 Old wagon road bears N and S.

17.80 East side of main fork of Lawry Canon. Descend abruptly.

22.00 Creek 10 lks wide drains South. Ascend abruptly.

24.00 West side of main fork of Lawry Canon. Continue ascending.

40.00 After diligent searsh no old 1/4 sec cor could be found therefore at this point I establish same as follows.
An aspen 6 ins diam for 1/4 sec cor marked 1/4 S17 on N, and S20 on S sides from which
An aspen 6 ins diam bears North 29 lks dist marked 1/4 S17 B.T.
An aspen 10 ins diam bears South 20 lks dist marked 1/4 S 20 B.T.
Land mountainous.
Soil gravelly.
3rd rate.
Timber aspen on 40.00 chs.
Mountainous land on 40.00 chs.
July 5 1900: At this cor I set of 22°47'N on decl arc and at 12h00m a.m. l.m.t observe the sun

Retracement of Subdivision of T 16 S R 6 E

on the meridian; the resulting
lat is 39°25'N

From cor of secs 16, 17, 20 and 21
I run
North bet secs 16 and 17.
Over mountainous land,
descending through dense aspen
and underbrush.

40.25 Fall 63 lks east of old 1/4 sec cor
which is a sandstone 18 x 7 x 6 ins
above ground marked and
witnessed as described by
the Surveyor General.
The course of line between
corners is therefore N 0°5-4' W and
distance between corners 40.25 chs
From 1/4 sec cor I continue
north.

46.00 Spring branch 2 lks wide drains
S. W.

53.50 Spur projects S. W.

72.00 Descend rapidly.

82.13 Fall 24 lks west of old cor
secs 8, 9, 16 and 17 which is a
sandstone 14 x 12 x 3 ins above
ground marked and witnessed
as described by the Surveyor
General.
The course of line bet corners is
therefore N 0°20' E and distance
41.88 chs.
Land mountainous.
Soil stony.
3rd rate.
Timber aspen on 82.13 chs.
Mountainous land on 82.13 chs.

Retracement of Subdivision of T16SR6E.

	From cor of secs 8, 9, 16 and 17—
	I run
	West bet secs 8 and 17.
	Through dense aspens ascending.
4.00	Spur projects S.E. descend.
10.70	East edge of pond 1.25 chs in width
13.70	West edge of pond.
14.40	Spur projects S.W.
21.00	Old road bears N and S.
24.00	Bottom of main fork of Lavery canon. Creek 10 lks wide dries South Ascend abruptly.
39.93	Fall 1.08 chs N of old 1/4 sec cor which is a sandstone 10x6x8 ins above ground marked and witnessed as described by the Surveyor General The course of this line is therefore S 88° 27' W and distance between corners 39.94 chs.
3994	Land mountainous
	Soil rocky and stony.
	3rd rate, Timber Aspen on 39.94 chs
	Mountainous land on 39.94 chs.

	From cor of secs 8, 9, 16 and 17 I run
	North bet secs 8 and 9.
	Are mountainous land through dense aspens ascending.
7.00	Road bears easterly and westerly.
9.00	Ridge bears E and W.
28.00	Road bears N.W. and S.E.
38.00	Road bears N.W. and S.E.
40.03	Fall 43 lks East of old 1/4 sec cor which is a sandstone 12 x 5 x 6 ins above ground

OUR A-21

Retracement of Subdivision T 16 S R 6 E.

	marked and witnessed as described by the Surveyor General.
40.50	South edge of small lake 9.00 chs in width
43.50	North edge of small lake.
47.00	Top of low ridge bears N.E. and S.W.
57.00	South side of pond 3.00 chs in width.
60.00	North edge of pond.
67.00	major road bears N.E. and S.W.
80.26	Fall 98 lks East of old cor of secs 4, 5, 8 and 9 which is a sandstone 6 x 4 x 6 ins above ground marked as described by the Surveyor General but not properly witnessed, therefore I raised a mound of stone 2 ft base 1½ ft high W of cor Pits impracticable. Land mark bearing trees as follows. An aspen 6 ins diam bears N 40° E 30 lks dist - marked T 16 S R 6 E, S 4 B.T. An aspen 4 ins diam bears S 8 30 W 24 lks dist - marked T 16 S - R 6 E. S 8 B.T. No other trees within limit. The course of this line is Therefore N 0 42' W and dist - 80.26 chs Land mountainous. Soil stony. 3rd rate. Timber aspen and scattering Juniper on 80.26 chs, Mountainous land on 80.26 chs.

From cor of secs 4, 5, 8 and 9
I run
West bet secs 5 and 8
over mountainous land ascending
through dense aspens.

Retracement of subdivision of T16 S. R 6 E.

10.00	Top of spur projects South. Ground.
18.00	Old wagon road bears NW. and S.E.
20.20	Bottom of main fork of Lowry canon. Creek 20 lks wide drains South. Ground.
35.00	Top of spur projects S.E. Ground.
40.28	Fall 1.37 chs N of old 1/4 sec cor which is a sandstone 14x8x6 ins above ground marked and witnessed as described by the Surveyor General.
	The course of this line is thereby S 0° 03' W and dist 40.25 chs.
	Land mountainous.
	Soil stony
	2nd and 3rd rate.
	Timber aspen on 40.25 chs.
	Mountainous land on 40.25 chs.

From old cor of secs 4, 5, 8 and 9 I run
North bet secs 4 and 5.
Over mountainous land through dense aspen and scattering pine timber.

7.00	Small pond 50 lks diam 50 lks East of line.
21.25	Pond 1.50 chs wide south side.
22.75	North side of pond.
40.25	Fall 71 lks East of old 1/4 sec cor which is a sandstone 14x12x3 ins above ground marked and witnessed as described by the Surveyor General.
69.00	Ascend rapidly.
82.00	Fall 1.43 chs East of old stone cor to secs 4 and 5 which is a

Retracement of subdivision of T 16 S - R 6 E.

sandstone 7 x 6 x 9 ins above ground marked as described by the Surveyor General but without bearing trees, therefore I mark trees as follows.
An aspen 6 ins diam bears S 53° E 6 lks dist marked T 16 S - R 6 E, S 4 B.T.
An aspen 12 ins diam bears S 34° W 8 lks dist marked T 16 S - R 6 E S 5 B.T.
The course of line between secs 4 and 5 is therefore N 1° 00' W and distance is 82.01 chs.
Land mountainous.
Soil gravelly.
2nd rate.
Timber aspen on 82.01 chs.
Mountainous land on 82.01 chs.
July 5 1900

General Description

For general description see notes of subdivision of this Township.

James C Dick
Mr Dep Surveyor

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:

For final affidavits see book 76 Lp 15 S. R 5 E

....., *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 .....

For final affidavits see book 76 Lp 15 S. R 5 E.

....., *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 ..... 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 ..... 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.

The foregoing field notes of the survey of ..... executed by ..... under his contract No. ....., dated ....., 189, having been critically examined, and the necessary corrections and explanations made, the said field notes, and surveys they describe, are hereby approved.

..... *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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4—679.

BOOK A-275

FIELD NOTES

OF THE SURVEY OF THE

West and East

Boundary

of

T16S-R6E

Of the Salt Lake Base and Meridian,

State of Utah

AS SURVEYED BY

James C Dick, United States Deputy Surveyor,

Under his Contract No. 233, dated November 29, 1899

Survey commenced July 6 - 1900 -, ~~189~~

Survey completed July 7 - 1900, ~~189~~

6—151

W - Bdry - high 6-05-70 ✓

E - Bdry - high - 6-03-70 ✓ 12-09-00

31-88 ✓

Cing -

BOOK

NAMES AND DUTIES OF ASSISTANTS.

Earnest Toone	Chainman
Oliver C London	Chainman
J. Morrison	Mounda
David H Wood	Axman
Harry A. Rager	Flagman

For preliminary affidavits see book D. Tp. 17 S R 8 E

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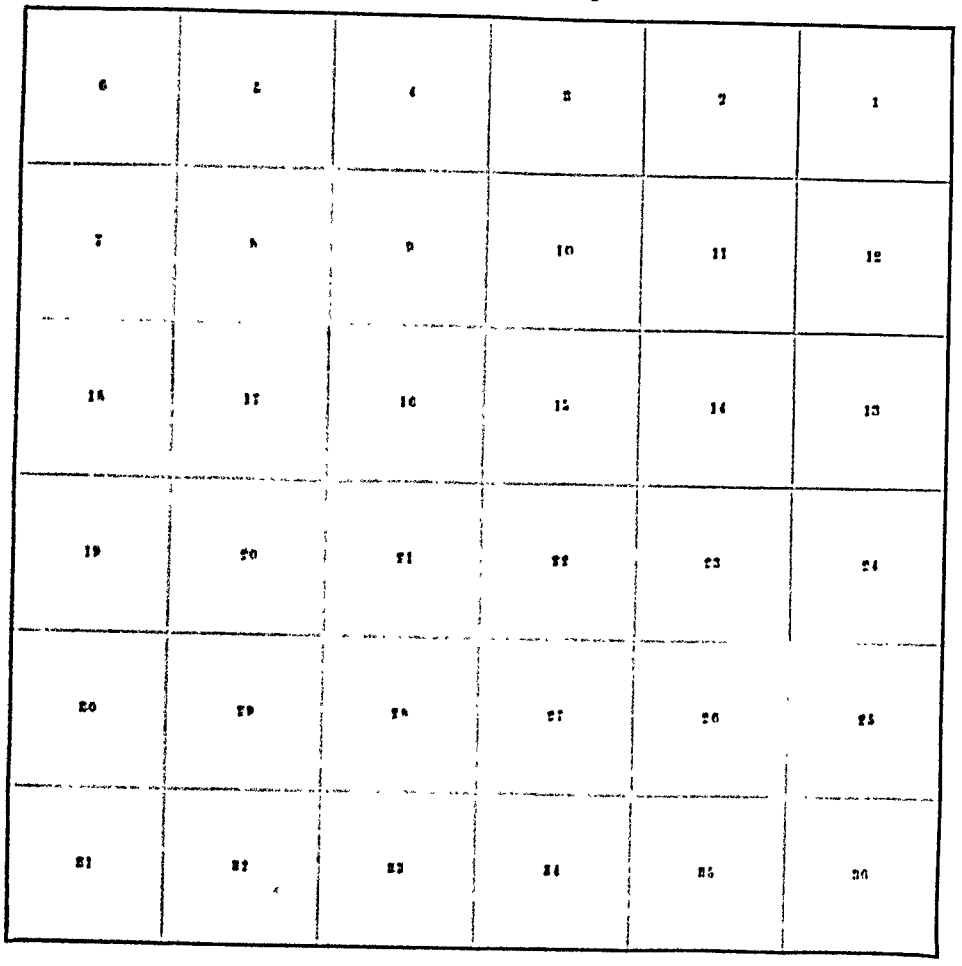
Volume
#
R0275

BOOK A-275

INDEX DIAGRAM.

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



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 c and other duties, according to instructions given us, to the best of our skill and ability, in the survey

_____

_____, *Axm*

_____, *Ax*

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

_____

SEAL

_____

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

_____, *Fla*

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

_____

SEAL

_____

West boundary of T 16 S - R 6 E.

Survey commenced July 6 1900 and executed with a Buff and Berger light mountain transit with solar attachment for a description of which see book P.

For complete test of solar apparatus see notes of retracement of N bdy of this Tp book. P.

July 6 1900:- At 8h 00m a.m. l.m.t. I set off 39° 23' N on lat arc 22° 43' N on decl arc and determine a true meridian with the solar at the old cor of Tps 16 and 17 S Rs 5 and 6 East heretofore described.

Thence I run.

North on a true line bet secs 31 and 36 over mountainous land through dense pine and aspen timber; ascending gently along S.E. slope.

22.50 Point of spur projects N.E. descend abruptly.

40.00 Set a sandstone 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 5 ins diam bears S 61° W 11 lks dist marked 1/4 S 36 B.T.

An aspen 7 ins diam bears S 77° E 9 lks dist marked 1/4 S 31 B.T.

55.00 Bottom of Black Creek canon

Creek 20 lks wide drains S.E.

Ascend abruptly. Leave pine timber

60.00 Wagon road bears N 77° W and S 77° E.

78.00 Spur projects S.W. Descend.

80.00 Set a sandstone 18 x 12 x 10 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 from which:-

An aspen 6 ins diam bears N 43° W 15 lks dist marked T 16 S, R 5 E, S 25 B.T.

West boundary of T 16 S - R 6 E. Continued.

An aspen 6 ins diam bears N 47½ E 16 lks
dist marked T 16 S - R 6 E. S 30 B.T.
An aspen 4 ins diam bears S 58° E 15 lks
dist marked T 16 S - R 6 E S 31 B.T.
An aspen 5 ins diam bear S 54° W 27 lks
dist marked T 16 S, R 5 E, S 36 B.T.
Land mountainous.
Soil stony and gravelly.
3rd rate.
Timber pine on 55.00 chs. aspen
on 80.00 chs.
Mountainous lands on 80.00 chs.

North bet secs 25 and 30
over rough mountainous land
through dense aspen timber.
Ascend
15.00 Enter scattering pine trees & undergr.
20.00 Leave pine timber also leave
dense aspens and enter scattering
aspens.
35.00 Top of spur projects S. Descend
and enter dense aspen timber.
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 from which
An aspen 8 ins diam bears S 69° E 25 lks
dist marked 1/4 S 30 B.T.
An aspen 10 ins diam bears N 58° W 19 lks
dist marked 1/4 S 25 B.T.
69.00 Bottom of draw drains S. W. ascend
rapidly.
80.00 Set a sandstone 16 x 14 x 3 ins 11 ins in
the ground for cor of secs 19, 24, 25 and
30 marked with 4 notches on N and
2 notches on S edge from which
An aspen 4 ins diam bears N 5° W
52 lks dist marked T 16 S - R 6 E S 24 B.T.
An aspen 4 ins diam bears S 42° W 50 lks

West boundary of T16S-R6E Continued.

dist marked T16S R5E S25 B.T.
An aspen 4 ins diam bears S42°E 47 lks
dist marked T16S-R6E S30 B.T.
No other trees within limit therefore
I 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 5.00 chs. aspen
on 80.00 chs.
Mountainous land on 80.00 chs.
July 6-1900:- At this cor I set off 22°42' N
on decl arc and at 12h 00m a.m.
l.m.t. observe the sun on the
meridian; the resulting lat
is 39°24' N

North bet secs 19 and 24.
Over mountainous land and
through dense undergrowth of
rabbit and sage brush.

16.23 Top of ridge bears N.W. and S.E.
Enter pine timber. Descend.
31.62 Small spring on line.
40.00 Point falls on rock in place.
Sandstone 2×2×1 ft above ground
for ¼ sec cor marked same
with a cross (X) at exact cor point
with ¼ W of cross from which
a pine 8 ins diam bears S61°W
14 lks dist marked ¼ S 24 B.T.
a pine 4 ins diam bears S76°E 3 lks
dist marked ¼ S 19 B.T.
41.00 Commence abrupt descent.
46.00 Head of gulch drains easterly
Ascend abruptly.
51.00 Small spring on line.
65.00 Top of spur projects East descend.

West boundary of T 16 S - R 6 E - Continued.

80.00	Set a sandstone 14x12x4 ins. 10 ins in the ground for cor of secs 13, 18, 19 and 24 marked with 3 notches on N and S edges from which A pine 4 ins diam bears S 8° W 6 lks dist - marked T16 S - R 5 E S 24 B.T. A pine 10 ins diam bears S 46½ E 10 lks dist marked T16 S - R6 E - S19 B.T. A pine 11 ins diam bears N 64°½ E 5 lks dist marked T16 S - R6 E, S 18 B.T. A pine 5 ins diam bears N 34½ W 39 lks dist - marked T16 S R5 E S 13 B.T. Land mountainous. Soil gravelly. 3rd rate. Timber pine on 63.77 chs. Mountainous land on 80.00 chs.
	North bet secs 13 and 18. Over mountainous land through dense pine timber
3.80	Road to saw mill bears S.E. and S.W. also top of spur projects East. Descend rapidly.
4.00	Ditch 3 lks wide drains S.E. to mill.
25.00	Small spring on line.
31.00	Head of draw drains east also spring branch 3 lks wide drains same.
36.00	Small spring drains S.E.
40.00	Set a sandstone 16x12x4 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 44° W 13 lks dist - marked 1/4 S 13 B.T. A pine 8 ins diam bears N 86° E 47 lks dist marked 1/4 S 18 B.T.
47.00	Small drains S.E.

West boundary of T 16 S - R 6 E - Continued -

54.00	Leave timber bears E and W.
61.00	Top of spur projects easterly. Descend abruptly.
70.00	Enter dense pine timber.
80.00	Set a sandstone 16 x 10 x 8 ins 11 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 from which.
	A pine 10 ins diam bears N 39° E 8 lks dist marked T 16 S R 6 E S 7 B.T.
	A pine 12 ins diam bears S 40° E 17 lks dist marked T 16 S R 6 E S 18 B.T.
	A pine 13 ins diam bears N 5° W 14 lks dist marked T 16 S, R 5 E S 12 B.T.
	A pine 8 ins diam bears S 20° W 5 lks dist marked T 16 S, R 5 E. S 13 B.T.
	Land mountainous.
	Soil gravelly.
	3rd rate.
	Timber pine on 64.00 chs.
	Mountainous land on 80.00 chs.

North bet secs 7 and 12.
Over rough mountainous land.
Brought dense pine timber.
Descend abruptly.

17.40	Bottom of canon, creek 8 lks mill drains S.E. also bear pine timber.
18.20	Enter scattering aspens.
18.70	Old road, bears N.W. and S.E.
36.50	Small spring branch 1 lk mile drains S.E.
40.00	Set a sandstone 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 8 ins diam bears S 67° W 55 lks dist marked 1/4 S 12 B.T.

West boundary of T 16 S - R 6 E - Continued -

An aspen 4 ins diam bears N 80° E
31 lks dist marked 1/4 S 7 B.T.
Cor is located about 3 lks east
of small spring draining south.
60.00 Top of spur projects S.E.
Descend and enter dense pine
timber. Leave aspens.
80.00 Set a sandstone 18 x 13 x 5 ins 12 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 from which
a pine 24 ins diam bears N 16° E 40 lks.
dist marked T 16 S R 6 E S 6 B.T.
a pine 12 ins diam bears N 5° W 61 lks
dist marked T 16 S R 5 E S 1 B.T.
a pine 4 ins diam bears S 34° W 44 lks
dist marked T 16 S. R 6 E S 12 B.T.
a pine 14 ins diam bears S 61° E 21 lks
dist marked T 16 S. R 6 E S 7 B.T.
Land mountainous.
Soil stony. 3rd rate.
Timber pine on 37.40 chs.
Aspen on 41.30 chs.
Mountainous land on 80.00 chs.

North bet secs 1 and 6.
Over rough mountainous land
through dense pine timber
descending abruptly.
10.00 Spring Branch 1 lk wide drains
N.E.
16.70 Bottom of canon, Spring branch
5 lks wide drains N.E. Ascend.
20.00 Point of spur projects East
Descend.
26.00 Bottom of gulch and creek 5 lks
wide drains S.E. junction about
7.00 chs S.E.
Leave pine timber and enter

West boundary of T 16 S - R 6 E. Continued.

	scattering aspen.
37.00	Leave aspen,
39.50	Enter scattering pine timber
40.00	Set a sandstone 16 x 10 x 6 ins 11 ins in the ground for 1/4 sec cor marked 1/4 on W face, from which, A pine 12 ins diam bears S 85° W 3.5 lks dist marked 1/4 S 1 B.T, A pine 8 ins diam bears S 47° E 92 lks dist marked 1/4 S 6 B.T.
42.00	T of ridge bears north westerly and south easterly. Descend and leave scattering pine timber Enter dense pine timber.
63.00	Bottom of abrupt descent. Descend gradually.
66.86	From this point Old standard cor of Tps 15 S Rs 5 and 6 E bears west 1.44 chs dist. The same being a sandstone 16 x 12 x 6 ins above ground marked and witnessed as described by the Surveyor General and afterwards destroyed in survey of S bdy. T 15 S R 5 E.
70.20	Road bears N.W. and S.E.
78.46	Bottom of canon, creek 10 lks wide drains S.E. Ascend abruptly.
85.70	Intersect third standard Parallel South at a point 76.20 chs west of standard cor of secs 31 and 32 here-fore described; Set a sandstone 16 x 14 x 8 ins 11 ins in the ground for N.W. cor of T 16 S - R 6 E. only marked T. 16 S R 6 E on S E with 6 notches on S and E edges and raised a mound of stone 2 ft base 1½ ft high S E. of cor. Pits impracticable. Land mountainous. Soil rocky & R rock, Timber pine on ridges. Mountainous land on 85.70 chs.

East boundary of T 16 S R 6 E.

July 7 1900: At 8h00m a.m. l.m.t. I set off 39°23 N on lat arc 22°37' N on decl arc and determine a true meridian with the solar at the cor of Tps 16 and 17 S, R 6 E heretofore described.
Thence I run
North bet secs 1 and 36 (31)
over mountainous land through dense pine and aspen timber
Descend.

4.44 Intersect closing cor bet Tps 16 and 17 S R 7 E described in notes of T 17 S R 7 E.

40.00 Set a sandstone 14×10×5 ins 10 ins in the ground for 1/4 sec cor marked 1/4 on W face from which,
An aspen 10 ins diam bears N 83° W 54 lks dist marked 1/4 S 36 B.T.
An aspen 8 ins diam bears S 87° E 160 lks dist marked 1/4 S 31 B.T.

45.00 Bottom of draw drains S.E.
Spring branch 2 lks wide drains same.

52.00 Point of spur projects East.
Descend.

60.00 Ravine drains East, ascend.

65.00 Point of spur projects East.
Descend rapidly.

80.00 Set a sandstone 18×10×6, 12 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
A pine 8 ins diam bears N 44 E 129 lks dist marked T 16 S R 7 E S 30 B.T.
A pine 10 ins diam bears S 89° E 68 lks dist marked T 16 S - R 7 E. S 31 B.T.
A pine 8 ins diam bears S 66° W 15 lks dist marked T 16 S R 6 E S 36 B.T.
A pine 12 ins diam bears N 88° W 53 lk dist marked T 16 S - R 6 E S 25 B.T.

East boundary of T 16 S R 6 E.

Land mountainous.
Soil gravelly.
3rd rate.
Timber pine and aspen on 8000 chs.
Mountainous land on 8000 chs.

North bet secs 25 and 30
over mountainous land through
pine and aspen timber descending.
15.00 Bottom of gulch drains East.
Spring branch 3 lks wide drains
same.
17.00 Ascend abruptly over broken ledges.
Leave pine and aspen timber.
20.00 Enter scattering pine and scrub
aspen.
40.00 Set a sandstone 16 x 12 x 4 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.
40.75 Spring branch 1 lk wide drains
S 30° E.
51.00 Top of spur projects East.
Descend rapidly and enter
dense pine and aspen timber.
75.00 Leave timber.
80.00 Set a sandstone 16 x 14 x 4 ins 11 ins
in the ground for cor of secs 19, 24
25 and 30 marked with 4 notches
on N and 2 notches on S 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 and aspen on 72.00 chs.
Mountainous land on 8000 chs.

East boundary of T16S. R6E.

North bet secs 19 and 24.
Over mountainous land,
descending abruptly over ledges.
1.00 Bottom of ledges 200 ft below
sec cor. Enter dense pine and
scattering aspen timber.
17.00 Bottom of deep gulch drains
east. Ascend abruptly.
23.00 Ascend ledges 200 ft high bear
E and W. Leave dense and
enter scattering timber.
40.00 Set a sandstone 18×10×4 ins
12 ins in the ground for 1/4 sec
cor marked 1/4 on W face from
which.
A pine 6 ins diam bears S46°W 95 lks
dist marked 1/4 S 24 B.T.
A pine 12 ins diam bears N70°E 137 lks
dist marked 1/4 S 19 B.T.
44.50 Top of ridge bears N75°W and S85°E
Descend and enter dense pine and
aspen timber.
73.00 Head of draw drains NE.
Ascend along S.E. slope.
80.00 Set a sandstone 18×14×8 ins 12 ins
in the ground for cor of secs 13 18
19 and 24 marked with 3 notches on
N and S edges from which
An aspen 6 ins diam bears N65½E
18 lks dist marked T16S R7E S18 B.T.
An aspen 6 ins diam bears S39°E 26 lks
dist marked T16S-R7E S19 B.T.
An aspen 5 ins diam bears S40°W 60 lks
dist marked T16S-R6E S24 B.T.
An aspen 6 ins diam bears N45°W 48 lks
dist marked T16S-R6E S13 B.T.
Land mountainous.
Soil stony and gravelly.
3rd rate.
Timber pine and aspen on 79.00 chs.
Mountainous land on 80.00 chs.

East boundary of T16S-R6E.

July 7-1900:- At this cor I set off 22°35'N on decl arc and at 12h00m a.m. l.m.t. observe the sun on the meridian; the resulting lat is 39°25'N.

North bet secs 13 and 18.
Over mountainous land.
ascending through dense aspen and scattering pine timber.

7.00 Point of spur projects easterly. Descend.

25.00 Bottom of gulch drains easterly. Ascend.

33.00 Point of spur projects east. Descend.

36.00 Bottom of gulch and spring branch 3 lks wide drains S.E. junction 10.00 chs S.E. ascend.

40.00 Set a sandstone 16 x 8 x 8 ins 11 ins. in the ground for 1/4 sec cor marked 1/4 on W face from which
A pine 6 ins diam bears S 24 1/2 E 22 lks dist-marked 1/4 S 18 B.T.
An aspen 8 ins diam bears S 19 1/4 W 9 lks dist-marked 1/4 S 13 B.T.

42.00 Leave timber, enter sage brush.

50.00 Ascend abruptly over broken ledges. bear E and W.

53.00 Top of ledges, enter scattering mahogany and aspen.

57.00 Top of ridge bears N 85° W and S.E. Enter scattering pine and dense aspen. Descend abruptly.

76.00 Bottom of gulch drains N.E. Spring branch 5 lks wide drains same. ascend abruptly.

78.00 Leave timber bears E and W.

80.00 Set a sandstone 18 x 10 x 4 ins 12 ins

East boundary of T 16 S R 6 E.

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
raised a mound of stone 2 ft
base 1½ ft high W of cor.
Obs impracticable.
Land mountainous.
Soil stony and gravelly.
2nd rate.
Timber pine and aspen on 7800 chs
Mountainous land on 8000 chs.

North bet secs 7 and 12.
are mountainous land, ascending.
11.00 Ascend abruptly over ledges. bear
N.W. and East.
15.00 Top of ridge. Continue ascending.
Enter dense aspen timber.
38.00 Small spring 50 lks west of line.
40.00 Set a sandstone 16 x 14 x 3 ins 1½ ins in
the ground for ¼ sec cor marked ¼ on
W face from stick.
An aspen 8 ins diam bears S 83° E 20 lks
dist marked ¼ S 7 B.T.
An aspen 8 ins diam bears S 44° W 8 lks
dist marked ¼ S 12 B.T.
57.00 Top of ridge bears E and W.
Descend abruptly.
60.00 Enter dead timber. Leave aspen.
78.00 Head of gulch drains N.E.
Spring branch 2 lks still drains
same. Ascend.
12.00 Set a sandstone 16 x 12 x 4 ins 1½ ins
in the ground for cor of secs 1, 6, 7
and 12 marked with 1 notch on N
and 6 notches on S edges and
raised a mound of stone 2 ft
base 1½ ft high W of cor.
Obs impracticable.

East boundary of T 16 S. of R 6 E.

	Land mountainous. Soil stony and gravelly. 3rd rate. Timber pine and aspen on 43.00 chs. Mountainous land on 80.00 chs.
	North bet secs 1 and 6. Ascending abruptly through dead timber.
2.00	Enter scattering pine and aspen.
11.00	Point of spur projects East Descend.
14.00	Head of gulch drains East. Ascend.
26.00	Top of spur projects N.E. Leave pine and aspen, still in dead timber; descend abruptly.
40.00	Set a sandstone 16 x 12 x 4 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.
58.00	Bottom of canon drains East Creek & thro mile drains same. Leave dead timber enter scattering mahogany. Ascend abruptly.
83.70	Intersect 2nd Standard Parallel South at 31.88 chs East of standard cor of Tps 16 S Rs 6 and 7 East heretofore described. Set a sandstone 14 x 8 x 6 ins 10 ins in the ground for closing cor of Tps 16 S Rs 6 and 7 E. marked C.C. 16 S on S, 7 E on E and 6 E on W faces with 6 grooves on S, E and W faces and raised a mound of stone 2 ft base 1½ ft high S of cor.

D 1

East boundary T 16 S - R 6 E.

Pits impracticable
Land mountainous.
Soil rocky.
Bed rock.
Timber pine and aspen on 24.00 chs.
Mountainous land on 83.70 chs.
July 7 - 1900.

General Description

For general description see notes of subdivision of this township.

James C Mck.
Ms Dep Surveyor

Latitudes, departures and Closing Errors

Line Designated	True Bearing	Dist.	Latitudes N Chs	Latitudes S Chs.	Departures E Chs	Departures W Chs
East Bdy T 16 S R 6 E	North	483.70	483.70			
N - Bdy T 16 S - R 6 E (3rd Standard Parallel S)	West	508.08				508.0
West Bdy T 16 S - R 6 E	South	485.70		485.70		
N Bdy Sec 6 T 17 S - R 6 E	East	78.54			78.54	
" " Sec 5 " "	East	80.00			80.00	
" " Sec 4 " "	N 89° 32' E	104.33	.85		104.33	
" " Sec 3 " "	N 88 49 E	80.00	1.65		79.98	
" " Sec 2 " "	East	80.00			80.00	
" " Sec 1 " "	East	84.37			84.37	
						.59
Convergency			6.20	485.70	507.22	508.67
			485.70			507.22
Error in Lat.			.50		Error in Dep.	1.4

James C Mck
Ms Dep Surveyor

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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

_____

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.

For final office on subsidy 83. Jf 15 R 6 E

.....
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 November 2[illegible]

The foregoing field notes of the survey of the West and East Boundaries of Township 16 South Range 6 East of the Salt Lake Base & Meridian Utah

executed by James C Dick under his contract No. 233, dated November 24, 1897, having critically examined, and the necessary corrections and explanations made, the said field notes, and surveys they describe, are hereby approved.

Edward H Anderson
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 .....

.....
United States Surveyor General

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E&L W.
4—679.

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BOOK A-275

R.J.B.

FIELD NOTES

OF THE SURVEY OF THE

Subdivision of

T16S-R6E

Of the Salt Lake Base and Meridian,

State of Utah

AS SURVEYED BY

James C Dick, United States Deputy Surveyor,

Under his Contract No. 233, dated November 24, 1899

Survey commenced July 8 — 1900, ~~189~~

Survey completed July 14 — 1900, ~~189~~

6—151

M. chs lks

Sub-high 38 - 58 - 62 ✓

Closings - 1 - 33 - 54 ✓

BOOK A-275

NAMES AND DUTIES OF ASSISTANTS.

Earnest Toone — Chainman

Alvin C London — Chainman

J Morrison — Mountaineer

David H Wood — Axman

Harry A Rager — Flagman

For preliminary affidavits see Book E. Tp 17 S. R 8 E.

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Volume

#

R0275

BOOK A-275

INDEX DIAGRAM.

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

_____

_____, *Axm*

_____, *Axm*

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

_____

_____

SEAL

I, _____, do solemnly swear that I will well and t

perform the duties of flagman according to instructions given me, to the best of my skill and ability, i

survey of _____

_____, *Flag*

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

_____

_____

SEAL

Subdivision of T16S-R6E.

Survey commenced July 8 1900 and executed with a Buff and Berger light mountain transit with solar attachment for a description of which see book "P."
For complete test of solar apparatus see notes of resurvey of 3rd Standard Parallel South through range 6 East book "T."
July 8 1900: At 7h 30m a.m. l.m.t. I set off 39°23'N on the lat arc 22°31' N on decl arc and determine a true meridian with the solar at a point on the east boundary of the township 77.50 chs north of cor of Tps 16 and 17 S R6E (this being 8000 chs - lat of Eastern 4 mi 28.70 chs of S bdy of T.J.) heretofore described where I set a sandstone 14x14x3 ins 10 ins in the ground for closing cor of secs 25 and 36 marked C.C. on W with 5 grooves on N and 1 groove on S faces from which
A pine 10 ins diam bears N64½W 62 lks dist marked T16S-R6E S25 B.T.
A pine 8 ins diam bears S62½W 115 lks dist marked T16S-R6E, S36 B.T.
I destroy all marks on cor of secs 25, 30, 31 and 36 that pertain to secs 25 and 36.
Thence I run
west on sectional correction line bet secs 25 and 36,
over rough mountainous land through scattering pine and aspen timber; descending.

12.00 Head of gulch drains N.E. ascend abruptly.

40.00 Set a sandstone 16x11x3 ins 11 ins in the ground for 1/4 sec cor marked

Subdivision of T16S-R6E - Continued

1/4 on N face from which.
a pine 12 ins diam bears N25°E 20 lks
dist-marked 1/4 S25 B.T.
a pine 4 ins diam bears S81½E 5 lks
dist-marked 1/4 S36 B.T.

50.00 Top of abrupt ascent, ascend gradually.

58.00 Top of divide bears N.W. and S.E. Descend gradually.

75.00 Leave pine and aspen timber.

80.00 Set a sandstone 20x14x4 ins 15 ins in the ground for cor of secs 25, 26, 35 and 36 marked with 1 notch on S and E edge 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 4th rate.
Timber pine and aspen on 75.00 chs.
Mountainous land on 80.00 chs.

West on sectional correction line bet secs 26 and 35.
Over mountainous land descending through sage brush.

11.00 Enter aspen and dead pine timber.

34.70 Bottom of ravine drains S.W. Ascend.

38.00 Leave aspen bear N.E. and S.W.

40.00 Set a sandstone 16x10x4 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.

45.00 Enter aspen timber.

52.00 T spur projects south.

Subdivision of T 16 S., R 6 E - Continued.

	Descend.
77.00	wagon road bears N 5° W and S 5° E.
80.00	Set a sandstone 18 x 12 x 4 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 from which, An aspen 8 ins diam bears S 30° E 12 lks dist - marked T 16 S - R 6 E, S 35 B.T. An aspen 9 ins diam bears S 38° W 20 lks dist - marked T 16 S R 6 E S 34 B.T. An aspen 10 ins diam bears N 62° W 40 lks dist - marked T 16 S, R 6 E - S 27 B.T. An aspen 12 ins diam bears N 25½ E 46 lks dist - marked T 16 S. R 6 E. S 26 B.T. Land mountainous. Soil stony. 3rd rate. Timber aspen on 73.00 chs. Mountainous land on 80.00 chs.
	West on sectional correction line but secs 27 and 34.
	Are mountainous land descending. Through small aspens.
1.70	Bottom of canon drains S.E.
2.10	wagon road bears N.W. and S.E.
	ascend.
40.00	Set a sandstone 12 x 12 x 3 ins 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. Trees too small for marking.
47.50	Lean aspen.
61.50	Top of ridge bears N and S descend.
73.50	Enter aspen timber
80.00	Set a sandstone 18 x 10 x 8 ins 12 ins in the ground for cor of secs 33 and

Subdivision of T16S-R6E-Continued

34 only (knowing from previous retracement that such a cor will be necessary) marked with 1 notch on S and 3 notches on E edge from which.
An aspen 6 ins diam bears S52°W 36 lks dist marked T16S-R6E S33 B.T.
An aspen 11 ins diam bears S57°E 44 lks dist marked T16S-R6E S34 B.T.
Land mountainous.
Soil stony and gravelly.
3rd rate.
Timber aspen on 6.50 chs.
Mountainous land on 80.00 chs.
July 8 1900: At this cor sky was overcast at 12h 00m a.m. Lunt and solar observations for determining latitude were impossible.

West on sectional correction line on N bdy of sec 33.
Over rough mountainous land through scattering pine and aspen timber.
19.00. Descend abruptly over broken ledges, bear N and S.
25.00 Leave pine and aspen timber
Enter small aspen.
32.00 Bottom of gulley drains S.W.
40.00 Set a sandstone 16×12×8 ins 11 ins in the ground for 1/4 sec cor on N bdy sec 33 marked 1/4 on S face and raised a mound of stone 2 ft base 1 1/2 ft high S of cor.
Pits impracticable.
41.83 Wagon road bears N and S
44.20 Bottom of east fork of Lawry creek canon drains southerly.
Creek 8 lks wide drains same.

Subdivision of T16 S. R6E. – Continued

Ascend rapidly.
53.00 Enter scattering pine and aspen timber.
68.00 Leave timber bears N. & S.
Enter sage brush.
69.70 Top of spur projects S.E.
Descend.
87.20 Head of draw drains S.
Ascend.
92.20 Top of ridge bears N 5° E and S 5° W. Descend abruptly through oak brush.
109.18 Intersect old cor. of sec. 25, 29, 32 & 33 heretofore described.
Land mountainous.
Soil stony.
3rd rate
Timber pine & aspen on 40.00 chs
Mountainous land on 109.18 chs

July 8, 1900:– At 2h 00m p.m. l.m.t. I set off 39°23' N on the lat. arc 22°25' N. on decl. arc and determine a true meridian with the solar at the cor. of secs 25, 26, 35 and 36 heretofore described and knowing from previous retracement that a closing cor. on S bdy. of Tp. bet secs 35 & 36 will be necessary I run S 0°01' E. on a true line bet. secs 35 & 36 over mountainous land descending through sage brush.
5.00 Enter aspen timber bear E & W.
27.00 Leave aspen timber.
28.00 Head of draw drains West.
40.00 Set a sandstone 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 of stone
2 ft base 1½ ft. high W of cor.
Pits impracticable
41.00 Top of open projects S.W. descend
55.00 Enter aspen grove S. & W.
67.00 Bottom of ravine drains S.W.
Ascend and enter pine timber.
77.40 Intersect south bdy. of Tp. at
4.10 chs. East of old cor. of secs. 1, 2.
35 & 36 heretofore described and
10 lks. W. of closing cor. bet. secs
1 & 2 Tp. 17 S. R 6 E. heretofore des-
cribed.
Set a sandstone 16 x 12 x 4 ins.
11 ins in the ground for closing
cor. of secs 35 and 36 marked
C.C. on N. with 1 groove on E and
5 grooves on W. face from which,
a pine 12 ins. diam. bears N. 45° W 35
lks. dist. mkd. T16S R6E S 35 B.T.
a pine 5 ins. diam. bears N. 36½° E.
18 lks dist marked T16S R6E
S36 B.T.
I destroy all marks on old
cor of secs 1, 2, 35 and 36 that
pertain to secs 35 & 36.
Land mountainous.
Soil stony.
3rd rate.
Timber aspen on 44.40 chs.
Mountainous land on 77.40 chs.

From cor. of secs. 25, 26, 35 and
36,

Subdivision of T16S-R6E. Continued.

on sectional correction line I run.

N 0 01' W bet secs 25 and 26.
Descending through dense young aspens and pine timber.

28.00 Spring branch 1 lk wide drains N.W.

35.00 Head of ravine drains S.W.
Ascend rapidly.

40.00 Set a sandstone 16x12x4 ins 11 ins in the ground for 1/4 sec cor marked 1/4 on W face from which,
An aspen 4 ins diam bears S 86° W 73 lks dist marked 1/4 S 26 B.T.
An aspen 6 ins diam bears S 39° E 65 lks dist marked 1/4 S 25 B.T.

68.00 Top of ridge bears N.W. and S.E.
Descend.

80.00 Set a sandstone 16x10x4 ins 11 ins in the ground for cor of secs 23, 24, 25 and 26 marked with 2 notches on S and 1 notch on E edges from which,
A pine 12 ins diam bears S 61° E 69 lks dist marked T16S-R6E, S 25 B.T.
A pine 5 ins diam bears S 44° W. 157 lks dist marked T16S, R6E, S 26 B.T.
A pine 16 ins diam bears N 53½° W 105 lks dist marked T16S-R6E, S 23 B.T.
A pine 5 ins diam bears N 70° E 72 lks dist marked T16S-R6E, S 24 B.T.
Land mountainous.
Soil stony.
Bed rate.
Timber pine and small aspen on 80.00 chs.
Mountainous land on 80.00 chs.

East on a random line bet

Subdivision of T16S-R6E.- Continued

secs 24 and 25

40.00 Set temp 1/4 sec cor.

40.09 Intersect E bdy of Tp 2.40 chs S of cor of secs 19, 24, 25 and 30 heretofore described.

Set a sandstone 16 x 10 x 8 ins 11 ins in the ground for closing cor of secs 24 and 25 marked C.C. on W with 4 grooves on N and 2 grooves on S faces and raised a mound of stone 2 ft base 1½ ft high W of cor.

Pits impracticable

I destroy all marks on cor of secs 19, 24, 25 and 30 that pertain to secs 24 and 25.

Thence I run west on a true line bet secs 24 and 25.

Descend.

2.00 Enter pine timber bears N and S.

25.00 Bottom of gulch drains N.E.

Leave pine timber, enter dense aspen timber.

40.04 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 from which,

An aspen 5 ins diam bears North 21 lks dist marked 1/4 S 24 B.T.

An aspen 8 ins diam bears South 32 lks dist marked 1/4 S 25 B.T.

Ascend abruptly.

42.50 Top of abrupt ascent.

44.00 Spring branch 1 lk wide drains S.E.

50.00 Leave dense aspen enter dense pine timber.

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

80.09 The cor of secs 23, 24, 25 and 26.

Land mountainous

Soil stony.

Bed rate.

Timber pine on 55.09 chs.

Subdivision of T 16 S - R 6 E. - Continued.

	aspen on 25.00 chs. Mountainous land on 80.09 chs.
	From cor of secs 23, 24, 25 and 26 S run N 0° 01' W bet secs 23 and 24. Mor mountainous land. Through dense pine timber descending.
7.30	Road trans N.W. and S.E.
38.10	Spring on line drains S.E.
40.00	Set a sandstone 18 x 14 x 4 ins 12 ins in the ground for 1/4 sec cor marked 1/4 on W face from which, A pine 6 ins diam bears N 8-3½° E 129 lks dist - marked 1/4 S 24 B.T. A pine 6 ins diam bears S 68° W 93 lks dist - marked 1/4 S 23 B.T.
48.50	Head of gulch drains S.E. Spring branch 1/4 mile drains same. Bears dense pine, inlet scattering pine and dense aspen
60.00	Top of spur projects - East. Descend.
66.00	Old corral bears west 2.00 chs. dist.
71.00	Spring branch 1/4 mile drains East.
78.20	Spring branch 1/4 mile drains East.
80.00	Set a sandstone 16 x 12 x 3 ins 11 ins in the ground for cor of secs 13, 14 23 and 24 marked with 3 notches on S and 1 notch on E edges from which. An aspen 8 ins diam bears N. 41½ E 63 lks dist - marked T 16 S - R 6 E. S 13 B.T. An aspen 8 ins diam bears S 32° E 15.0 lks dist - marked T 16 S - R 6 E, S 24 B.T. An aspen 6 ins diam bears S 57° W 2.88 lks dist - marked T 16 S - R 6 E, S 23 B.T. An aspen 12 ins diam bears N 34½° W

Subdivision of T16S-R6E. Continued.

170 lks dist. marked T16S-R6E, S14 B.T.
Land mountainous.
Soil stony.
3rd rate.
Timber pine on 48.50 chs.
Pine and aspen on 31.50 chs.
Mountainous land on 80.00 chs.

July 9. 1900:- at 9h00m a.m. l.m.t.
I set off 39°25' N on lat arc 22° 22' N
on decl arc and determine a
true meridian with the solar
at the cor of secs 13, 14, 23, 24.
Thence I run
East on a random line bet.
secs 13 and 24.
40.00 Set temp 1/4 sec cor.
80.18 Intersect E bdy of Tp 2.17 chs S of
cor of secs 13, 18, 19 and 24 heretofore
described.
Set a sandstone 12 x 8 x 6 ins 8 ins in
the ground for closing cor of secs
13 and 24 marked C.C. on W, with 3
grooves on N and S faces from
which.
An aspen 6 ins diam bears S 27° W
17 lks dist. marked T16S-R6E S 24 B.T.
An aspen 6 ins diam bears N 31° W 28 lks
dist. marked T16S-R6E, S13 B.T.
I destroy all marks on cor of secs
13, 18, 19 and 24 that pertain to secs
13 and 24.
Thence I run
West on a true line bet secs
13 and 24.
Ascend through aspen timber.
10.00 Top of spur projects N.E. Descend.
40.09 Set a sandstone 16 x 10 x 4 ins 11 ins
in the ground for 1/4 sec cor

Subdivision of T 16 S R 6 E. Continued.

marked 1/4 on N face from which,
A pine 10 ins diam bears S 19° E 30 lks dist - marked 1/4 S 24 B.T.
A pine 14 ins diam bears North 3 lks dist - marked 1/4 S 13 B.T.

6.00 2.00 Enter dense pine, and scattering aspen.

55.70 Top of ridge bears N.W. and S.E. Descend.

60.00 Enter dense aspen timber. bears N.W. and S.E.

63.00 Bottom of gulch drains S.W. Then S.E. Spring branch 1/4 mile drains same. Ascend.

80.18 The cor of secs 13, 14, 23 and 24, Land mountainous. Soil stony. 3rd rate.
Timber pine on 52.00 chs.
Aspen on 20.00 chs.
Mountainous land on 80.18 chs.

From cor of secs 13, 14, 23 and 24 I run,
N 0° 01' W bet secs 13 and 14.
Descending through pine timber.

11.68 Bottom of gulch drains easterly. Spring branch 2 lks mile drains same. Ascend abruptly.

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

40.00 Set a sandstone 15 x 8 x 6 ins 10 ins in the ground for 1/4 sec cor marked 1/4 on W face from which,
A pine 15 ins diam bears N 84° E 35 lks dist - marked 1/4 S 13 B.T.
A pine 30 ins diam bears N 8 W 9 lks dist - marked 1/4 S 14 B.T.

40.00 S side of swamp 3 chs wide

Subdivision of T16S-R6E. Continued.

53.00	North side of swamp.
58.00	Point of ledge facing East.
80.00	Set a sandstone 16x12x6 ins 11 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 from which a balsam 18 ins diam bears N70°E 16 lks dist-marked T16S R6E, S 12 B.T. a pine 24 ins diam bears S40°E 36 lks dist-marked T16S-R6E, S 13 B.T. a balsam 14 ins diam bears S 40 W 6 lks dist-marked T16S-R6E, S14 B.T. a balsam 12 ins diam bears N10°W 34 lks dist-marked T16S-R6E, S11 B.T. Land mountainous. Soil rocky and stony. 3rd and 4th rate. Timber pine and aspen on 80.00 chs. Mountainous land on 80.00 chs.

	East on a random line bet secs 12 and 13
40.00	Setting ¼ sec cor.
80.08	Intersect — East bdy of T 2.17 chs South of cor of secs 7, 12, 13 and 18 heretofore described. Set a sandstone 18x10x4 ins 12 ins in the ground for closing cor of secs 12 and 13 marked C.C. on W with 2 grooves on N and 4 grooves on S faces from which An aspen 8 ins diam bears N31½°W 16 lks dist-marked T16S-R6E, S12 B.T. An aspen 6 ins diam bears S19°W 23 lks dist marked T16S-R6E, S13 B.T. I destroy all marks on cor of secs 7, 12, 13 and 18 that pertain to secs 12 and 13.

Subdivision of T16S-R6E. Continued.

Thence I run
west on a true line bet secs 12
and 13
Descend through dense pine
timber

15.00 Bottom of ravine drains S.E.
Spring branch 4 lks wide drains
same. ascend gradually.

40.04 Set a sandstone 18 x 10 x 3 ins 12 ins
in the ground for 1/4 sec cor marked
1/4 on N face from which.
A balsam 8 ins diam bears S68°E 40 lks
dist-marked 1/4 S13 B.T.
A balsam 8 ins diam bears N14°88°
12 lks dist-marked 1/4 S12 B.T.

44.00 Small spring on line drains N.

54.00 Small spring on line drains N.

79.50 Spring branch 2 lks wide drains N.E.
Spring 10 lks S.

80.08 The cor of secs 11, 12, 13 and 14
Land mountainous.
Soil stony.
3rd rate.
Timber pine and balsam on 80.08 chs
Mountainous land on 80.08 chs.
July 9, 1900.- At this cor I set off
22°22'N on the deel arc and at
12h00m a.m. l.m.t. observe the sun
on the meridian. The resulting
lat was 39°26'N.

Knowing from previous re-
tracement that a closing cor
adjacent to old work bet secs
11 and 14 will be necessary I
run west on a true line
bet secs 11 and 14 from cor
of secs 11, 12, 13 and 14.
Through dense pine timber.

Subdivision of T 16 S - R 6 E.

21.50	Head of ravine and creek 2 lks wide drains N.E.
34.00	Old road bears N.E. and S.W.
40.00	Set a sandstone 13 x 10 x 4 ins 9 ins in the ground for 1/4 sec cor marked 1/4 on N face from which. A pine 14 ins diam bears N 66° W 65 lks dist - marked 1/4 S 11 B.T. A balsam 12 ins diam bears S 22° 30 W 60 lks dist - marked 1/4 S 14 B.T.
40.08	Old road bears N and S.
70.00	Top of ridge bears N and S Descend.
114.50	Intersect N and S line 4.5 - 5 chs S 0° 23' E of old cor of secs 10, 11, 14 and 15 heretofore described. Set a sandstone 16 x 10 x 4 ins 11 ins in the ground for closing cor of secs 11 and 14 marked C.C. on E with 4 grooves on S and 2 grooves on E faces from which a pine 8 ins diam bears S 8 E 45 lks dist - marked T 16 S. R 6 E. S 14 B.T. A pine 14 ins diam bears N 57° E 40 lks dist - marked T 16 S. R 6 E. S 11 B.T. I destroy all marks on old cor pertaining to secs 11 and 14. Land mountainous. Soil stony and gravelly. 3rd and 4th rate. Timber fine and scattering aspen on 114.50 chs. Mountainous land on 114.50 chs.

From cor of secs 11, 12, 13 and 14 I run, N 0° 01' W bet secs 11 and 12. Descend through dense pine and aspen timber.

Subdivision of T 16 S - R 6 E - Continued.

25.50	Bottom of ravine drains East also spring branch 2 lks wide drains same. Ascend.
20.00	Spring branch 1 lk wide drains South.
26.00	Top of ridge trees N.E. and S.W. Descend.
40.00	Set a sandstone 14 x 12 x 3 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. Cor falls in aspens too small for marking.
66.50	Descend abruptly.
72.60	Trees gulch drains N.E. Creek 4 lks wide drains same. Ascend abruptly.
2000	Set a sandstone 14 x 12 x 5 ins 9 ins in the ground for cor of secs 1, 2, 11 and 12 marked with 5 notches on S and 1 notch on E edges from which. Cor aspen 6 ins diam trees N 39° E 35 lks dist - marked T 16 S R 6 E, S 1 B.T. Cor aspen 7 ins diam trees S 65° E 11 lks dist - marked T 16 S R 6 E, S 12 B.T. Cor aspen 6 ins diam trees S 17° W 19 lks dist marked T 16 S - R 6 E, S 11 B.T. Cor aspen 7 ins diam trees N 25½° W 30 lks dist - marked T 16 S - R 6 E. S 2 B.T. Land mountainous. Soil stony. 3rd rate. Timber pine and aspen on 80.00 chs. Mountainous land on 80.00 chs.

East on a random line bet secs

Subdivision of T. 16 S. - R. 6 E. Continued

	1 and 12.
40.00	Set temp. 1/4 sec cor.
80.10	Intersect - East bdy of T. 2.17 chs. South of cor of secs. 1, 6, 7 and 12 heretofore described.
	Set a sandstone 18 x 14 x 4 ins 12 ins in the ground for closing cor of secs 1 and 12 marked C.C. on W with 1 groove on N and S grooves on S faces from which a pine 6 ins diam bears N 8° W 49 lks dist marked T 16 S - R 6 E, S 1 B.T. An aspen 5 ins diam bears S 20° W 10 lks dist - marked T 16 S - R 6 E. S 12 B.T. I disobey all marks on cor of secs 1, 6, 7 and 12 that pertain to secs 1 and 12.
	Thence I run West on a true line for secs 1 and 12.
	Over mountainous land through dense pine and aspen timber.
2.00	Head of gulch spring branch 2 lks. wide runs N.E.
14.50	Top of spur projects N. E. Descend.
36.00	Head of gulch drains N.
40.00	Set a sandstone 20 x 12 x 3 ins 15 ins in the ground for 1/4 sec cor marked 1/4 on N face and raised a mound of stone 2 ft base 1 1/2 ft base N of cor.
	Pits impracticable.
	Trees too small for marking.
47.00	Top of spur projects N, descend.
67.50	Head of gulley drains N also spring branch 3 lks wide drains same. Ascend.
70.00	Top of spur projects N descend.
70.90	Bear gulch drains N.E. also creek 4 lks wide drains N.E. ascend.
80.10	The cor of secs 1, 2, 11 and 12

Land mountainous.
Soil stony
3rd rate.
Timber aspen and pine on 80.10 chs.
Mountainous land on 80.10 chs.
July 9-1900

Knowing from previous re-
traversement that a closing cor
adjacent to old work for secs
2 and 11 will be necessary I run
west on a true line for secs
2 and 11; from cor of secs 1, 2, 11
and 12.
Over mountainous land through
dense pine and aspen timber
25.00 T of J spur projects N.E. thence
along N slope.
40.00 Set a sandstone 14 x 12 x 4 ins
10 ins in the ground for 1/4 sec cor
marked 1/4 on N face from
which
A pine 14 ins diam bears S 39° W 22
lks dist - marked 1/4 S 11 B.T.
A pine 13 ins diam bears N 47½° W
16 lks dist - marked 1/4 S 2 B.T.
Ascend.
73.00 T of J ridge bears N and S.
Descend.
115.49 Intersect N and S line 5.62 chs.
S 0° 23' E of old cor of secs 2, 3, 10 and
11 heretofore described.
Set a sandstone 18 x 10 x 8 ins 12 ins
in the ground for closing cor of
secs 2 and 11 marked C.C. on E
with 5 grooves on S and 2 grooves
on E faces from which,
A pine 10 ins diam bears N 38° E
23 lks dist marked T 16 S - R 6 E, S 2 B.T.

Subdivision of T 16 S - R 6 E. Continued

A pine 10 ins diam bears S 72° E
29 lks dist marked T 16 S - R 6 E S 11 B.T.
I destroy all marks on old cor
that pertain to secs 2 and 11.
Land mountainous.
Soil rocky and stony.
3rd rate.
Timber pine and aspen on 115.49 chs.
Mountainous land on 115.49 chs.

From cor of secs 1, 2, 11 and 12
S 1 mile,
N 0° 01' W on a true line bet
secs 1 and 2.
are mountainous land, through
pine and aspen timber.
ascending.

13.00 Top of spur projects East.
Descend.

26.20 Bottom of gulch drains N.E.
also bottom of spring branch 2 lks
wide drains same.
ascend. Scarce pine timber and
quite scattering timber.

40.00 Set a sandstone 16 x 13 x 4 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.

45.00 Top of spur projects East. Descend.

60.50 Bottom of ravine drains East.
Creek 5 lks wide drains same.
Scarce scattering timber.

86.25 Intersect 3rd Standard Parallel
South 31.83 chs. East of standard cor
of secs 35 and 36 heretofore de-
scribed.
Point falls on rock in place
Sandstone 3 x 2 1/2 x 2 1/2 ft above

Subdivision of T 16 S - R 6 E. Continued.

ground for closing cor of secs 1 and 2. marked a cross (x) at exact cor point with C.C. S and 5 grooves W and 1 groove E of cross from which
An aspen 6 ins diam bears S 50° E 5 lks dist marked T 16 S - R 6 E, S 1 B.T.
An aspen 9 ins diam bears S 45° W 22 lks dist marked T 16 S - R 6 E. S 2 B.T.
Land mountainous.
Soil stony.
3rd rate.
Timber aspen and pine on 60.50 chs.
Mountainous land on 86.25 chs

July 10-1900:- At 2h 00m p.m. l.m.t. I set off 39°23' N on lat arc 22°14' N on decl arc and determine a true meridian with the solar at the cor of secs 26, 27, 34 and 35 on sectional correction line heretofore described and knowing from previous retracement that a closing cor on S bdy of Tp bet secs 34 and 35 will be necessary I run
S 0°01' E on a true line bet secs 34 and 35.
Over mountainous land through dense aspens.
Descend.

3.20 Bottom of N Cottonwood canon drains S 5° E. Continue descending along E slope.

3.80 Wagon road bears N 5° W and S 5° E

37.00 Leave large and enter small aspens.

40.00 Set a sandstone 16 x 12 x 5 ins 11 ins

in the ground for 1/4 sec cor and raised a mound of stone 2 ft base, 1½ ft high W of cor.
Pits impracticable.

67.00 Bottom of ravine drains S.E.
Ascend.

77.38 Intersect S bdy of T. at 4.40 chs East of old cor of secs 2, 3, 34 and 35 heretofore described there being no closing cor of secs 2 and 3 T. 15 S. R. 6 E.

Set a sandstone 16 x 12 x 4 ins 11 ins in the ground for closing cor of secs 34 and 35 marked C.C. on N with 2 grooves on E and 4 grooves on W faces from which
an aspen 8 ins diam bears N 45½ W. 64 lks dist. marked T. 16 S. R. 6 E. S 34 B.T.
No other trees suitable for marking in sec 35 therefore I raised a mound of stone 2 ft base 1½ ft high N of cor.
Pits impracticable.
I disburse all marks on old cor of secs 2, 3, 34 and 35 that pertain to secs 34 and 35
Land mountainous.
Soil gravelly.
3rd rate.
Timber aspen on 37.00 chs.
Mountainous land on 77.38 chs.

From cor of secs 26, 27, 34 and 35 on sectional correction line I run.
N 0° 01' W bet secs 26 and 27.
Over mountainous land through dense aspen timber ascending.

11.00 Wagon road bears N 15 W and S 15 E

Subdivision of T 16 S - R 6 E. continued.

32.00	Point of spur projects west.
	Descend.
40.00	Set a sandstone 16 x 10 x 6 ins 11 ins
	in the ground for 1/4 sec cor marked
	1/4 on W face from which
	An aspen 12 ins diam bears East
	3 lks dist - marked 1/4 S 26 B.T.
	An aspen 10 ins diam bears N 66° W
	22 lks dist - marked 1/4 S 27 B.T.
41.60	Wagon road bears N.E. and S.W.
42.50	Mouth of canon draws S.W.
49.00	Small spring 1.35 chs west of line.
66.75	Wagon road bears N.W. and S.E.
68.00	Same road bears N.E. and S.W.
	Also top of ridge bears N.E. and
	S.W. Descend.
80.00	Set a sandstone 18 x 8 x 6 ins 10 ins
	in the ground for cor of secs 22,
	23, 26 and 27 marked with 2
	notches on S and E edges.
	from which.
	An aspen 9 ins diam bears N 52½ E 42
	lks dist - marked T 16 S - R 6 E, S 23 B.T.
	An aspen 6 ins diam bears S 17° E 18
	lks dist - marked T 16 S - R 6 E, S 26 B.T.
	An aspen 7 ins diam bears S 78½° W 16
	lks dist - marked T 16 S - R 6 E S 27 B.T.
	An aspen 10 ins diam bears N 24° W
	40 lks dist - marked T 16 S - R 6 E - S 22 B.T.
	Land mountainous.
	Soil stony
	3rd rate.
	Timber aspen on 80.00 chs.
	Mountainous land on 80.00 chs.

	East on a random line bet
	secs 23 and 26
40.00	Set limf 1/4 sec cor.
79.90	Intersect N and S line 12 lks S

Subdivision of T 16 S - R 6 E. Continued

	of cor of secs 23, 24, 25 and 26 Thence 1 rum S 89° 55' W on a true line bet secs 23 and 26. ascend abruptly.
5.00	Top of divide bears N.W. and S.E. descend. Entir pine and aspen timber.
39.95	Set a sandstone 14 x 12 x 3 ins 10 ins in the ground for 1/4 sec cor marked 1/4 on N face from which an aspen 10 ins diam bears S 70° W 16 lks dist marked 1/4 S 26 B.T. an aspen 8 ins diam bears N 80° W 20 lks dist - marked 1/4 S 23 B.T.
44.60	Bottom of gulch drains south. ascend.
63.35	Top of ridge bears N.E. and S.W. Also wagon road bears N.E. and S.W. Descend.
79.90	The cor of secs 22, 23, 26 and 27. Land mountainous. Soil stony. Brd rock. Timber aspen and pine on 79.90 chs. Mountainous land on 79.90 chs

	From cor of secs 22, 23, 26 and 27 1 rum West on a random line bet secs 22 and 27
72.96	Intersect - old 1/4 sec cor bet secs 22 and 27 heretofore described. Thence 1 rum East on a true line bet secs 22 and 27 Ascending in dense aspen timber.
3.70	Top of ridge bears N and S. Descend.

Subdivision of T 16 S - R 6 E Continued.

31.00	Enter burned timber trees N and S.
34.00	Leave burned timber.
34.70	Bottom of ravine drains north. Ascend.
35.00	Wagon road bears N.W. and S.E.
35.50	Ascend abruptly.
35.50	Top of abrupt ascent.
61.50	Bottom of gulch drains S.W. Small spring bears S 75° W. Ascend.
72.96	The cor of secs 22, 23, 26 and 27 Land mountainous. Soil rocky and stony. 3rd and 4th rate. Timber aspen on 72.90 chs. Mountainous land on 72.90 chs. July 10 1900

	N 0° 01 W bet secs 22 and 23. Descending through dense aspen timber
10.00	Head of ravine drains S.W. Ascend.
35.00	Leave aspen timber.
40.00	Set a sandstone 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 1½ ft high W of cor. Pits impracticable.
56.00	Enter aspen and pine timber.
76.00	Ascend abruptly.
80.00	Point for cor of secs 22 and 23 only falls on stationery sandstone 3 x 2½ x 1 ft above ground; marked same with a cross (x) at exact cor point with 3 notches on S and 2 notches on E of cross from which a pine 30 ins diam bears S 28° E.

Subdivision of T16S-R6E. Continued

4 s-lks dist-marked T16S-R6E, S 23 B.T.
A pine 24 ins diam bears S 47° W 45 lks
dist-marked T16S-R6E, S 22 B.T.
Land mountainous.
Soil rocky and stony.
3rd and 4th rate.
Timber pine and aspen on 59.00 chs.
Mountainous land on 80.00 chs.

N 89° 55' E on a random line bet secs 14 and 23.

40.00 Set brnz 1/4 sec cor.

79.90 Intersect - N and S line 12 lks W of cor of secs 13, 14, 23 and 24
Thence I run,
West on a true line bet secs 14 and 23.
Through dense aspen and pine timber.

4.00 Spring 1 chs S of line.

11.50 Wagon road bears N and S.

39.90 Set a sandstone 14 x 12 x 4 ins 10 ins in the ground for 1/4 sec cor marked 1/4 on N face from which,
A pine 20 ins diam bears N 64° E 35 lks dist-marked 1/4 S 14 B.T.
A pine 14 ins diam bears S 18° 30' W 107 lks dist-marked 1/4 S 23 B.T.

47.50 Wagon road bears N and S.E. ascend abruptly.

58.60 Top of abrupt ascent. Dense timber.

73.00 Top of divide bears north and S.E. Descend abruptly. Enter timber.

79.90 The cor of secs 22 and 23 only.
Land mountainous.
Soil rocky.
4th rate.
Timber aspen and pine on 67.40 Mountainous land on 79.90 chs.

Subdivision of T16S·R6E. Continued.

July 11-1900:- At 10h00m a.m. l.m.t.
I set off 39°25'N on lat arc 22°07'N on
decl arc and determine a true
meridian with the solar at
the cor of secs 22 and 23 only
And knowing from previous
retracement that a cor common
to the S W cor of sec 14 only will
be necessary I run
West on a true line in order
to complete the S bdy of sec 14.
Descending over mountainous
land through aspen and pine
timber.

34.40 Intersect N and S line 4.47 chs S
of old cor of secs 14, 15, 22 and 23
heretofore described.
Set a sandstone 18x12x3 ins 12 ins in
the ground for S.W. cor of sec 14 only
marked with 3 notches on S and
2 notches on E edges from which
an aspen 6 ins diam bears
N66°E 23 lks dist. marked
T16S-R6E S 14 B.T.
I destroy all marks on old cor
of secs 14, 15, 22 and 23 that
pertain to secs 14, 22 and 23
and establish the same as the
S.E. cor of sec 15 only.
Land mountainous.
Soil rocky.
4th rate,
Timber pine and aspen on 34.40 chs.
Mountainous land on 34.40 chs.
July 11:1900- At this cor I set off
22°06'N on decl arc and at 12h00m.m
l.m.t observe the sun on the
meridian. The resulting lat
is 39°25'N.

Subdivision of T 16 S R 6 E. Continued.

Knowing from previous retracement that a closing cor on the S bdy of the T J bet secs 33 and 34 will be necessary I proceed to the cor of secs 33 and 34 only on sectional correction heretofore described and run S 0° 02' E on a true line bet secs 33 and 34.

Through dense pine timber.

Descending.

7.50 Head of draw drains S.W.

Ascend rapidly.

20.00 Leave dense timber.

40.00 Set a sandstone 24×12×3 ins 18 ins in the ground for 1/4 sec cor marked 1/4 on W face and raised a mound of stone 2 ft base 1½ ft high W of cor. Pits impracticable.

47.00 Top of ridge bears N 6° E and South. Thence along ridge.

60.00 Leave ridge bears S.E. and North.

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

79.08 Intersect S bdy of T J 4.75 chs N 88° 49' E of old cor of secs 3, 4, 33 and 34 heretofore described. and 15 lks N 88° 49' E of closing cor of secs 3 and 4 T 17 S - R 6 E heretofore described.

Set a sandstone 18×10×14 ins 12 ins in the ground for closing cor of secs 33 and 34 marked C.C. on N with 3 grooves on E and W faces and raised a mound of stone 2 ft base 1½ ft high N of cor.

Pits impracticable.

I destroy all marks on old cor of secs 3, 4, 33 and 34 that pertain to secs 33 and 34.

Land mountainous.

Soil stony, 3rd rate

Timber pine on 20.00 chs.

Subdivision of T16S R6E. Continued.

	Mountainous land on 79.08 chs.
	In order to complete line bet secs 27 and 28 I proceed to old 1/4 sec cor bet secs 27 and 28 heretofore described and run S 0° 02' E on a true line bet secs 27 and 28.
6.00	wagon road bears N.E. and S.W.
15.00	Leave bottom. Enter scattering aspen and pine timber. Ascend abruptly.
37.00	Leave timber
40.00	Set a sandstone 12 x 8 x 6 ins 8 ins in the ground for a witness cor to closing cor bet secs 27 and 28 marked W.C. CC on N with 1 groove on S and 3 grooves on E faces and raised a mound of stone 2 ft base 1½ ft high N of cor Pits impracticable
40.15	Head of gulley drains S.W. Intersect sectional correction line 33.23 chs west of cor of secs 33 and 34 only heretofore described: Set a sandstone 14 x 8 x 6 ins 10 ins in mound of stone (impossible to dig on account of rock) for closing cor of secs 27 and 28 marked C.C. on N with 1 groove on S and 3 grooves on E faces and raised a mound of stone 2 ft base 1½ ft high N of cor. Pits impracticable.
	Land mountainous.
	Soil rocky.
	3rd rate.
	Timber aspen and pine on 22.00 chs.
	Mountainous land on 40.15 chs.

Subdivision of T16S-R6E. -Continued.

In order to throw fractional distances adjacent to old work and make western tier of sections full sections I proceed as follows.
July 12 1900:- at 8h00m a.m. l.m.t.
I set off 39°23N on lat arc 22°00'N on decl arc and determine a true meridian with the solar at the cor of secs 25, 30, 31 and 36 on west bdy of Tp heretofore described.
Thence I run
East on sectional correction between secs 30 and 31.
Over mountainous land ascending through pine and aspen timber.

2.00 Top of spur projects S.W.
Descend abruptly.

14.00 Bottom of draw drain south
Ascend abruptly.

40.00 Set a sandstone 18 x 10 x 4 ins 12 ins in the ground for 1/4 sec cor cor marked 1/4 on N face from which
An aspen 10 ins diam bears S 30° E 17 lks dist marked 1/4 S 31 B.T.
An aspen 6 ins diam bears N 52° W 20 lks dist marked 1/4 S 30 B.T.

40.85 Top of spur projects S.E. Descend abruptly.

50.00 Head of draw drains S.E.
Ascend.

59.25 Top of spur projects S.E.
Descend.

77.00 Leave pine and aspen timber.

80.00 Set a sandstone 16 x 12 x 8 ins 11 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

Subdivision of T 16 S. R 6 E. - Continued.

	Pits impracticable Land mountainous. Soil stony. 2nd rate. Timber pine and aspen on 77 chs. Mountainous land on 80.00 chs.
	East on sectional correction line bet secs 29 and 32. Descend through scattering pine timber.
6.00	Perpendicular ledges 100 ft high trav N.E. and S.W. Descend abruptly. Scarce timber.
13.50	Foot of abrupt descent. Descend gradually.
40.00	Set a sandstone 12 x 8 x 5 ins 8 ins in the ground for 1/4 sec cor marked 1/4 on N face and raised a mound of stone 2 ft base 1½ ft high W of cor. Pits impracticable.
46.70	Wagon road trav N and S.
49.70	Main fork of Lowry creek 10 lks wide draining South. Ascend through dense oak brush.
78.56	Intersect the old cor of secs 28, 29, 32 and 33 heretofore described. Land mountainous. Soil rocky. 4th rate. Timber pine on 6.00 chs. Mountainous land on 78.56 chs.
	Knowing from previous re-cord that a closing cor bet secs 31 and 32 on the S. bdy

Subdivision of T. 16 S - R. 6 E.

of the T.f will be necessary I run S 0° 03' E on a true line bet secs 31 and 32 commencing at cor of secs 29, 30, 31 and 32. Descend through scattering pine timber.

9.00 Perpendicular ledge 150 ft high trans N 15° E and S 15° W. Descend abruptly. Same timber.

35.00 Foot of abrupt descent. Same ledges.

40.00 Set a sandstone 16 x 12 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 1½ ft high W of cor. Pits impracticable.

70.00 Wagon road trans E and W.

71.00 Bottom of Black Creek canon Creek 20 lks wide drains east. Ascend.

80.00 Intersect S bdy of T.f at 1.46 chs East of old cor of secs 5, 6, 31 and 32 heretofore described and 27.50 West of closing cor of secs 5 & 6 T 17 S R 6 E heretofore descrit Set a sandstone 16 x 12 x 6 ins 11 ins in the ground for closing cor of secs 31 and 32 marked C.C. on N with 5 grooves on E and 1 on W faces and raised a mound of stone 2 ft base 1½ ft high, N of cor. Pits impracticable. Land mountainous.

Soil rocky.

HH rate.

Timber scattering pine on 9.00 chs. Scrub oak cedar and mahog on 71.00 chs.

Mountainous land on 80.00 chs.

July 12 1900. - At 12 h 0.0 m a.m. local time sky was overcast and solar observ for determining latitude was

Subdivision of T 16 S. R 6 E. - Continued.

impossible.

	From cor of secs 29, 30, 31 and 32 S mon
	N 0°03' W bet secs 29 and 30
	Along broken East slope through pine and aspen timber.
40.00	An aspen 5 ins diam for 1/4 sec cor marked 1/4 S 30 on N and S 29 on E faces from which
	An aspen 6 ins diam bears East 15 lks dist - marked 1/4 S 29 B.T.
	An aspen 6 ins diam bears West 15 lks dist - marked 1/4 S 30 B.T.
57.00	Bottom of draw drains East.
	Ascend.
77.00	Ascend.
80.00	Set a sandstone 14 x 8 x 6 ins 10 ins in the ground for cor of secs 19, 20 29 and 30 marked with 2 notches on S and 3 notches on E edges from which
	An aspen 4 ins diam bears N 20° W 23 lks dist - marked T 16 S. R 6 E, S 19 B.T.
	An aspen 4 ins diam bears N 49° E 24 lks dist - marked T 16 S. R 6 E, S 20 B.T.
	An aspen 5 ins diam bears S 38° 30' E 7 lks dist - marked T 16 S. R 6 E, S 29 B.T.
	An aspen 4 ins diam bears S 28½° W 3 lks dist - marked T 16 S. R 6 E, S 30 B.T.
	Land mountainous.
	Soil rocky.
	3rd and 4th rate.
	Timber aspen and pine on 80.00 chs.
	Mountainous land on 80.00 chs.

Subdivision of T 16 S - R 6 E. - Continued

	East on a random line
	bet secs 20 and 29
32.82	Fall 19 lks S of old 1/4 sec cor bet
	secs 20 and 29 heretofore de-
	scribed.
	Thence I run
	S 89° 40' W on a true line bet
	secs 20 and 29.
	ascend.
2.80	Point of spur projects S.E. descend.
13.00	Enter willows and swamp.
16.00	Spring branch 3 lks wide drains
	S.E. Near swamp. Enter aspens.
27.00	Enter ledges facing N.E.
32.82	The cor of secs 19, 20, 29 and 30
	Land mountainous
	Soil stony.
	3rd and 4th rate.
	Timber aspen on 16.82 chs.
	Mountainous land on 32.82 chs.

	West on a random line bet secs
	19 and 30.
40.00	Set temp 1/4 sec cor.
79.90	Intersect west bdy of T at the
	cor of secs 19, 24, 25 and 30 heretofore
	described.
	Thence I run
	East on a true line bet secs 19 and
	30 over mountainous land
	ascending.
16.00	Enter aspen timber bears N and S.
24.30	Top of ridge bears N.W. and S.E.
	Descend.
39.95	An aspen 7 ins diam for 1/4 sec
	cor marked 1/4 S 19 on N and
	S 30 on S sides. from which
	An aspen 4 ins diam bears
	North 17 lks dist marked 1/4 S 19 B.T.

Subdivision of T 16 S - R 6 E. - Continued.

An aspen 6 ins diam bears South 14 lks dist marked 1/4 S 30 B.T. thence along N slope.

79.90 The cor of secs 19, 20, 29 and 30
Land mountainous.
Soil rocky.
4th rate.
Timber aspen on 63.90 chs.
Mountainous land on 79.90 chs.
July 12 - 1900

N 0° 03' W bet secs 19 and 20
Descend through dense aspens.

5.00 Bottom of ravine drains East.
Ascend abruptly.

10.50 Top of spur projects S.E.
Descend through dense aspen undergrowth.

40.00 Set a sandstone 16 x 10 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.
Cor falls in aspens too small for marking.
Descend abruptly.

55.00 Bottom of cañon drains S.E.
Ascend.

67.00 Point of spur projects S.E.
Descend.

80.00 Set a sandstone 18 x 10 x 8 ins 12 ins in the ground for cor of secs 19, 20, 17 and 18 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 base W of cor. Pits impracticable.
No trees suitable for marking.

Subdivision of T16 S. R6 E. Continued

Land mountainous.
Soil rocky.
4th rate.
Timber small aspen on 80.00 chs.
Mountainous land on 80.00 chs.

July 13 1900: At 9h00m a.m. l.m.t.
I set off 39°25'N on lat arc 21°51'N on
decl arc and determine a true
meridian with the solar at the
cor of secs 17, 18, 19 and 20
Thence I run
West on a random line bet
secs 18 and 19.
40.00 Set temp 1/4 Sec Cor.
79.85 Intersect west bdy of T.J. at the
cor of secs 13, 18, 19 and 24 heretofore
described.
Thence I run:
East on a true line bet secs
18 and 19
Over mountainous land through
fine timber. Descend.
4.00 Leave timber bears N and S.
5.50 Cabin bears S 1.50 chs dist.
7.70 S.E. cor of saw mill owned by
P.C. Christensen.
Thence along S slope over
spurs and hollows.
37.00 Enter aspens bear N and S.
39.92 Set a sandstone 16 x 14 x 4 ins 11 ins
in the grounds for 1/4 sec cor
marked 1/4 on N face, from which
An aspen 5 ins diam bears N49°E
15 lks dist marked 1/4 S 18 B.T.
An aspen 6 ins diam bears S15°E
11 lks dist marked 1/4 S 19 B.T.
58.00 Head of draw drains South.
Spring branch 2 lks wide drains

	same. ascend rapidly.
69.00	T of J spur projects S.E.
	descend abruptly.
79.85	The cor of secs 17, 18, 19 and 20
	Land mountainous.
	Soil rocky.
	3rd rate.
	Timber pine on 4.00 chs
	Aspen on 42.90 chs.
	Mountainous land on 79.85 chs.

From cor of secs 17, 18, 19 and 20 I run,
N 0° 03' W on a true line bet secs 17 and 18.
Ascend through burned timber.
5.00 T of J spur projects N.E.
Leave burned timber. Enter aspens.
15.00 Head of draw drains N.E.
Ascend.
20.00 T of J spur projects N.E. Enter dense pine and scattering aspens.
38.00 Bottom of canon drains S.E.
Ascend abruptly.
40.00 Set a sandstone 16 x 10 x 4 ins 11 ins in the ground for 1/4 sec cor marked 1/4 on W face. from which,
A pine 8 ins diam bears S 78 1/2 E 108 lks dist marked 1/4 S 17 B.T.
A pine 8 ins diam bears S 81 1/2 W 78 lks dist marked 1/4 S 18 B.T.
Ascend.
58.00 T of J spur projects East
Descend abruptly through dense timber.
80.00 Knowing from previous re-trace that a cor common

Subdivision of T 16 S - R 6 E.

To sec 7 and 18 only will be necessary
set a sandstone 16 x 10 x 4 ins 11 ins in the ground for cor to secs 7 and 18 only. marked with 4 notches on S and 5 notches on E edges from which.
A pine 12 ins diam bears N 21° W 27 lks dist marked T 16 S R 6 E S 7 B.T.
A pine 18 ins diam bears S 37° W 9 lks dist marked T 16 S - R 6 E. S 18 B.T.
Land mountainous.
Soil rocky.
4th rate.
Timber aspen and pine on 75.00 chs.
Mountainous land on 8.00 chs.

From cor to secs 7 and 18 only
run west on a random line bet secs 7 and 18.

40.00 Set temp 1/4 sec cor.

80.00 Intersect west bdy of T 7 at the cor of secs 7, 12, 13 and 18 heretofore described.

Thence run
East on a true line bet secs 7 and 18.
Ascend gradually through pine and aspen timber.

40.00 Set a sandstone 12 x 8 x 4 ins 8 ins in the ground for 1/4 sec cor marked 1/4 on N face, from which
A pine 7 ins diam bears N 41° E 24 lks dist marked 1/4 S 7 B.T.
A pine 14 ins diam bears S 63° E 27 lks dist marked 1/4 S 18 B.T.

50.00 Top of ascent.

80.00 The cor of secs 7 and 18 only
Land mountainous.

Subdivision of T16S-R6E.-Continued.

Soil rocky.
3rd and 4th rate.
Timber aspen and pine on 8000 chs.
Mountainous or heavily timbered land on 8000 chs.
July 13. 1900: At this cor I set off 29°50'N on decl arc and at 12h00m a.m. lat. observe the sun on the meridian; the resulting lat is 39°26'N.

N 0°03' W on east bdy of sec 7.
Descend abruptly through dense pine and aspen timber.

12.80 Bottom of canon drains S.E. Creek 5 lks wide drains same. Ascend.

18.50 Road bears easterly and westerly.

30.00 Leave timber.

40.00 Set a sandstone 18 x 10 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 1½ ft high W of cor. Pits impracticable.

41.00 Top of spur projects S.E. Descend.

63.00 Enter dead timber.

70.00 Descend abruptly.

80.00 Knowing from previous retracement that a cor common to secs 6 and 7 only will be necessary I set a sandstone 18 x 11 x 10 ins 12 ins in the ground for cor of secs 6 and 7 only. marked with 5 notches on S and E edges from which
A pine 10 ins diam bears S 52° W 40 lks dist marked T16S-R6E, S.7 B.T.

A pine 6 ins diam bears N 64° W 34 lks
dist - marked T 16 S - R 6 E S 6 B.T.
Land mountainous.
Soil rocky.
4th rate.
Timber aspen and pine on 47.00 chs.
Mountainous land on 80.00 chs.

---

west on a random line
bet secs 6 and 7.
40.00 Set stone 1/4 sec cor.
80.00 Intersect west bdy of T 7 S at the
cor of secs 1, 6, 7 and 12 heretofore
described.
Thence I run
East on a true line bet secs 6 and 7.
Over mountainous land, along
N slope of ridge, through dense
pine and aspen timber.
40.00 Set a sandstone 16 x 11 x 3 ins 11 ins in
the ground for 1/4 sec cor marked
1/4 on N face from which
A pine 6 ins diam bears N 19° E 15 lks
dist - marked 1/4 S 6 B.T.
A pine 8 ins diam bears S 63° E 27 lks
dist - marked 1/4 S 7 B.T.
55.00 Small spring on line drains N.
— 80.00 The cor of secs 6 and 7 only.
Land mountainous.
Soil rocky.
4th rate.
Timber aspen and pine on 80.00 chs.
Mountainous land on 80.00 chs.

N 0° 03' W on East bdy of sec 6.
Ascending through dense aspen
and pine timber

Subdivision of T16S. R6E. Continued.

5.00	Bottom of ravine drains East. Creek 10 lks wide drains same.
6.50	Wagon road bears N.W. and S.E. ascend.
14.00	Top of spur projects S.E. Descend.
24.00	Road bears N.W. and S.E.
25.00	Bottom of ravine and creek 10 lks wide drains S.E.
37.00	Spur projects S.E. Descend.
40.00	Set a sandstone 16 x 10 x 4 ins 12 ins in the ground for 1/4 sec cor marked 1/4 on W face from which; A pine 12 ins diam bears S 22° E 125 lks dist marked 1/4 S 5 B.T. A pine 11 ins diam bears S 58° W 98 lks dist marked 1/4 S 6 B.T.
56.60	Old road bears N.W. and S.E.
80.00	Bottom of main fork of Lawry Canon drains S.E. Creek 5 lks wide drains same.
85.50	Intersect 3rd Standard Parallel South 3.90 chs East of old standard cor of secs 31 and 32 heretofore described. Set a sandstone 16 x 14 x 4 ins 12 ins in the ground for closing cor of secs 5 and 6 marked C.C. on S with 6 grooves on E and 1 groove on W faces from which An aspen 20 ins diam bears S 61° E 78 lks dist marked T16S R6E. S 5 B.T. An aspen 12 ins diam bears S 73 E W 107 lks dist marked T16S-R6E, S 6 B.T. Land mountainous. Soil rocky. HM rate. Timber pine and aspen on 85.50 chs mountainous land on 85.50 chs.

July 15 1901

Subdivision of T16S-R6E. Continued.

In order to complete line bet secs 17 and 20 I proceed to cor of secs 17, 18, 19 and 20 heretofore described and run
N89°40'E on a random line bet secs 17 and 20.

32.32 Fall 32 lks S of old 1/4 sec cor bet secs 17 and 20 heretofore described and since a closing cor will be necessary I run
West on a true line bet secs 17 and 20.
Through scattering timber.

10.00 ascend.

32.32 Intersect N and S line 51 lks N003'W of cor of secs 17, 18, 19 and 20.
Set a sandstone 18 x 12 x 4 ins 12 ins in the ground for closing cor of secs 17 and 20 marked with 3 grooves on S and 5 grooves on E and C.C. on E faces and raised a mound of stone 2 ft base 1½ ft high East of cor
Pits impracticable.
I destroy all marks on cor of secs 17, 18, 19 and 20 that pertain to secs 17 and 20.
Land mountainous.
Soil rocky.
4th rate.
Timber scattering aspen on 32.32 chs
mountainous land on 32.32 chs.

July 14 1900:- at 9h00m a m l m t.
I set off 39°26' N on lat arc 21°42' N on decl arc and determine a true meridian with the solar

Subdivision of T16S-R6E. Continued

at old 1/4 sec cor bet secs 8 and 17. heretofore described.
Thence I run
west on a true line in order to complete line bet secs 8 and 17.
Over mountainous land ascending through pine timber.

2.00 Dugway wagon road bears N.W. and S.E.

32.02 Intersect N and S line 168 chs N 0°03' W of cor of secs 7 and 18 only.
Set a sandstone 18 x 10 x 6 ins 12 ins in the ground for closing cor of secs 8 and 17 marked CC on E with 4 grooves on S and 5 grooves on E faces from which,
A pine 18 ins diam bears S 23° E 32 lks dist marked T16S-R6E. S 17 B.T.
A pine 7 ins diam bears N 14° E 28 lks dist marked T16SR6E. S 8 B.T.
Land mountainous.
Soil rocky and stony.
3rd and 4th rate.
Timber aspen and pine on 32.02 chs.
Mountainous land on 32.02 chs

In order to complete line bet secs 5 and 8 I proceed to old 1/4 sec sec cor bet secs 5 and 8 heretofore described
Thence I run.
west on a true line bet secs 5 and 8.
Through pine and aspen timber descending.

17.00 Bottom of ravine and creek 10 lks wide drains S.E. ascend.

24.25 Wagon road bears N.W. and S.E.

30.61 Intersect N and S line 1.73 chs N 0°03' W

Subdivision of T 16 S. R 6 E. Continued.

of cor of secs 6 and 7 only.
Set a sandstone 18 x 10 x 8 ins 12 ins
in the ground for closing cor of
secs 5 and 8 marked C.C. on E
with 5 grooves on S and E faces
from which
A pine 9 ins diam bears N 53° E 40 lks
dist marked T 16 S - R 6 E, S 5 B.T.
A pine 12 ins diam bears S 66° E 25 lks
dist marked T 16 S - R 6 E. S 8 B.T.
Land mountainous.
Soil stony.
2nd rate.
Timber pine and aspen on 30.61 chs.
Mountainous land on 30.61 chs.

July 14 - 1900.

General Description.

This township consists of rough mountainous land and contains an abundance of pine and aspen timber.

Lavery creek flows through the central portion of the township from N to S furnishing the principal drainage. The right fork of Lavery creek also known as upper Joe's valley flows through the central portion of the Tp. from N to S.

The township affords good ranges for both cattle and sheep, and is well watered by numerous streams and springs of pure fresh water.

C. E. Hofford has a ranch in secs 21, 22, 27 and 28 upon which he has made about $2000 worth

Subdivision of T 16 S, R 6 E Continued

Improvements in the way of fences, buildings etc. An abundance of swamp hay is cut on this ranch during the summer season and the same is well watered by swamps and springs.

P.C. Christensen has a sawmill and cabin in the S.W. ¼ sec 18 and N.W. ¼ sec 19 respectively. value about $500

There are no indications of mineral in the township and not sufficient indications of coal to warrant returning any as coal land. No trace of Geo. J Gradons D.S. No 2110 could be found.

The "South Tent" Monument of the U.S. Geological Survey is located outside of the boundaries of this survey and a connection thereto could not be made without great inconvenience expence and delay.

James O Dick
U.S. Dep. & C. Surveyor.

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

.....

owing the respective capacities in which they acted:

For final affidavits see book 77 Tp 15 S R 5 E

....., *Chainman.*

....., *Chainman.*

....., *Moundman.*

....., *Moundman.*

....., *Axman.*

....., *Axman.*

....., *Flagman.*

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted .....

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

.....

.....

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

..... meridian, ... of ....., which are represented
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
... monuments established, according to the instructions furnished by the United States Surveyor
...al for .....

For final affidavits see book 77 Tp 15 S. R 5 E.

....., *Chainman.*

....., *Chainman.*

....., *Moundman.*

....., *Moundman.*

....., *Axman.*

....., *Axman.*

....., *Flagman.*

.....

...ribed and sworn to before me this .....
...ay of ....., 189

SEAL

.....

.....

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, _____, United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from _____, 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 _____ 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 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, December 2, 1901. 189

The foregoing field notes of the survey of the subdivisions of Township 16 South Range 6 East of the Salt Lake Base and Meridian, Relative

executed by James C. Rich under his contract No. 235, dated November 24, 1899, having been critically examined, and the necessary corrections and explanations made, the said field notes, and surveys they describe, are hereby approved.

Edward H. Anderson
United States Surveyor G.

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

_____
United States Surveyor G.

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BOOK A-275

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FIELD NOTES

OF THE re SURVEY OF THE

Third Standard Parallel South

through

R. 7 E.

North Boundary of T16SR7E

Of the Salt Lake Base and Meridian,

State of Utah

AS SURVEYED BY

James C. Dick, United States Deputy Surveyor,

Under his Contract No. 233, dated November 24, 1899

Survey commenced July 15-1900, ~~189~~

Survey completed July 16-1900, ~~189~~

6—151

Standard high M. Ch. Ms. 6-03-48 ✓

12-60 ✓

Disg-

BOOK A-275

NAMES AND DUTIES OF ASSISTANTS.

Alfredo R. Talamantes	Chainman
Frank T. Roberts	chainman
Earnest Toone	chainman
Oliver C London	chainman
Jay Morrison	Moundman
David H Wood	axman
Harry A Kager	Flagman

For preliminary affidavits see book "G" Tp 15 S R 8 E

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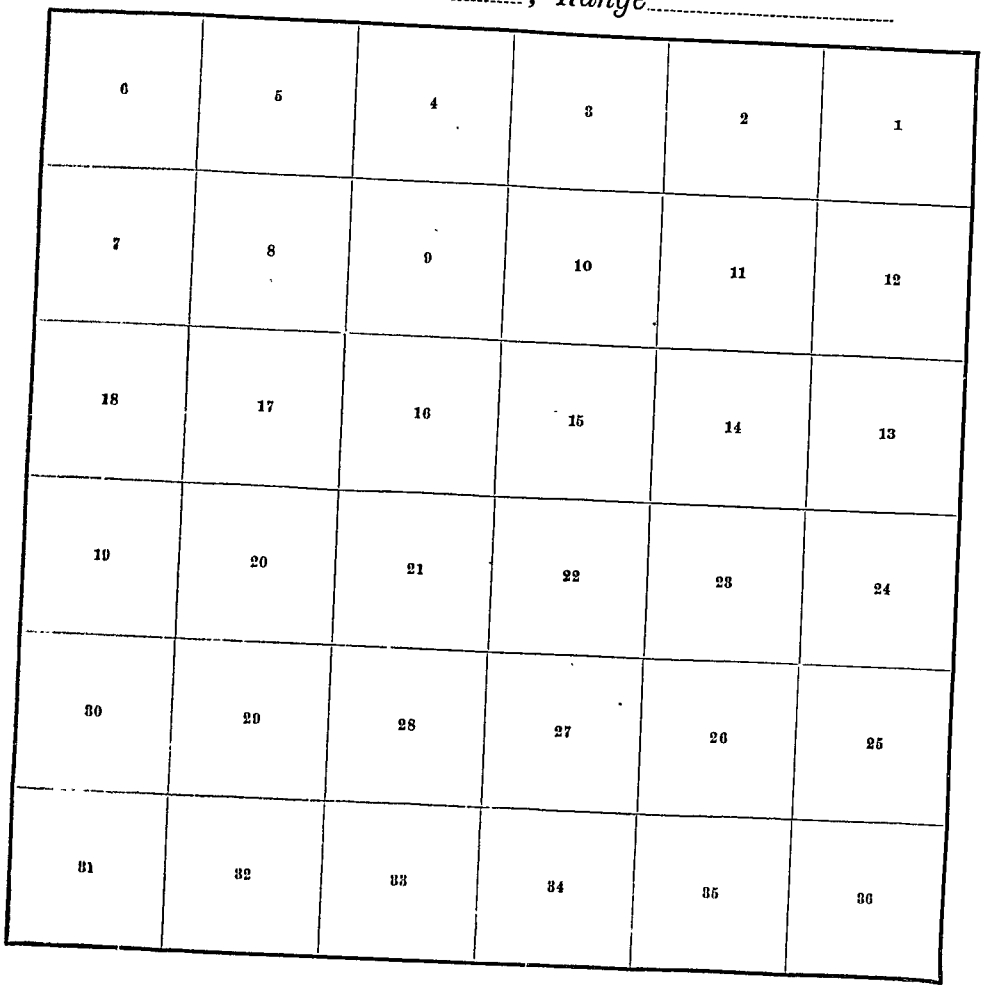
BOOK A-275

INDEX DIAGRAM.

*Township*_____, *Range*_____



*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 as chainmen measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of

Alfred R. Talamante, Chainman
Frank T. Roberts. Samuel Joyce, Chainman
Oliver A. Gardner, 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

Jay Morrison, 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

David E. Wood, 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 _____

Harry A. Rogers, Flagman

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

SEAL

_____

_____

Resurvey of the Third Standard Parallel South through R. 7 E.

Resurvey commenced July 15 1900 and executed with a Buff and Burger light mountain transit with solar attachment for a description of which see book C.

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

Ott my camp which is located a small fraction over 2 miles E of the old Standard Cor. of Tps. 15 S. Rs. 6 and 7 E. heretofore described I set a stake 3 ins square 20 ins long 14 ins in the ground: Latitude 39°28' N. longitude 111°11' West At 4h 00m P.M. L.M.T. I set off 39°28' N on the Lat. arc: 21° 31' N on the decl. arc: and determine with the solar a true meridian: and mark a point thereof on a stone firmly set in the ground 5 chs. N of my station

July 15 Ott 11h 54m P.M. L.M.T. I observe Polaris at eastern elongation in accordance with manual of instructions and mark a point in the line thus determined on a pile of stones in the ground 5 chs N. of my station.

July 15 1900

July 16 1900 At 6h 00m A.M. L.M.T. I lay the azimuth of Polaris 1,35° 15' to the west and mark the true meridian thus determined by a cross on the stone set July 15 on which the true meridian fall 0.2 ins East of the mark determined by the solar.

At 7h 00m A.M. L.M.T. I set off 8°28' N on the Lat. arc: 21°24' N. on the decl. arc: and mark a point on the true meridian determined with the solar by a small groove on the stone already set 5 chs. N of my station: this mark fall 0.1 ins east of the true

Resurvey of the Third Standard Parallel South through R 7 E

meridian established by the Polaris observation.
The solar apparatus by p.m. and a.m. observation defines positions for true meridian respectively about 0.11" west and 0.05" east of the true meridian established by the Polaris observation: therefore I conclude that the adjustment of the instrument are satisfactory.
The magnetic bearing of the true meridian at 7h 10m a.m. c.m.t. is N 16°08' W the angle thus determine reduce by the table page 100 gives the mean mag. decl. 16°02' E
Preliminary to commencing the subdivisions of this, and in order to test the closing of the exteriors: I proceed to the old Standard cor. of Tps. 15 S Rs. 6 and 7 E heretofore described at 4h 00m a.m. c.m.t. I set off 34°28' N on the Lat arc: 21°23' N on the dec. arc: and determine a true meridian with the solar at the above described cor.
Thence I run
East on a blank line on south bdy of sec. 31 at 31.88 chs intersect the closing cor. of Tps 16 S R 6 and 7 E set by me on the survey of the E. bdy. of Tp 16 S R 6 E. at 40.00 chs after diligent search the Standard 1/4 sec. cor. could not be found at 8000 chs I again search within the radius of 5 chs, but no trace of Standard sec. cor. could be found, neither could I find any cor. or trace of them on any other part of this line: and at 483.48 chs intersect N and S line 12.60 chs. S of old Standard Tp. cor. of Tps 15 and 16 S Rs 7 and 8 E described in notes of the retracement of the Third Standard Parallel South through range 8 E. at my point of intersection I set a limestone 18 x 8 x 4 ins 12 ins in the ground for Standard closing cor. for Tps 15 and 16 S R 7 E. marked C.C. 7 E on W. S.C. 15 S on N and 16 S on S with 6 grooves on N S and W faces: and raise a mound of stone 2 ft. base

1½ ft high W. of cor. Pits impracticable
I destroyed all marks of old Standard Tp.
cor pertaining to R 7 E
Thence I run
West on a true line bet secs. 1 and 36
Over mountainous land through scattering
Aspen Ascend gently
2000 Top of ridge bears N. and S. Descend along
N slope through dense aspens
Difference between measurements of 40.00 chs 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
4000 An aspen 8 ins diam. for Standard ¼ sec. cor.
I marked S.C. ¼ S36 on N side S1 on S
side from which
An aspen 5 ins diam bears N5° E 23 lks dist.
marked S C ¼ S36 B.T.
An aspen 6 ins diam. bear N.10°30'W. 27 lks dist.
marked S.C ¼ S35 B.T.
58.00 Head of draw drains N.W. leave dense timber
enter scattering pine and aspens
Difference between measurement of 80.00 chs.
by two set of chainment 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 lime stone 14 x 8 x 5 ins 9 ins in the ground
for Standard sec. cor. of secs. 35 and 36
marked S.C. on N with 1 groove on E and
5 grooves on W. faces: from which
A pine 24 ins. in diam. bears N28½W. 14
lks dist. marked S.C. T16 S.R.7 E S35 B.T.
A pine 10 ins diam bears N12½E 32 lks. dist.
marked T16 S.R.7 E S36 B.T.
Land mountainous
Soil stony 3rd rates
Timber pine on 22.00 chs
Aspens on 80.00 chs
Mountainous land on 80.00 chs

Resurvey of the Third Standard Parallel S. through R. 7 E. con

West on a true line between 2 and 35
Over mountainous land through pine and
aspen timber Descend
8.00 Head of draw drains N. Ascend
22.00 Top of spur projects N. 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 The point for 1/4 sec. cor. fall on a rock in
place 5 x 3 x 3 ft above ground on which
I cut a cross (X) at the exact cor. point for
Standard 1/4 sec. cor. & marked S.C. 1/4 on
N face: from which
A pine 36 ins diam. bears N. 42° E. 9 lks dist.
marked S.C. 1/4 S 35 B.T.
A pine 14 ins diam. bears N 32° W 26 lks dist.
marked S.C. 1/4 S. 35 B.T.
52.00 Bottom of gulch drains N.W. Ascend
62.00 Top of spur projects N.W. Descend
69.00 Leave timber N. and S.
75.00 Enter timber consists of mahogany
Difference between measurements of 8.00 chs.
by two set of chainmen is 12 lks: position of
middle point
By 1st set 8.06 chs
By 2nd set 7.94 chs. the mean of which is
80.00 Set a sand stone 16 x 7 x 7 ins 11 ins in the
ground for Standard cor of secs 34 and
35 marked S.C. on N. with 2 grooves on E
and 4 grooves on W. faces: from which
A mahogany 8 ins diam bears N 80° E 34 lks
dist marked T 16 S. R. 7 E. S 35 B.T.
A mahogany 10 ins diam. bears N 6° W 11 lks dist.
marked T 16 S. R. 7 E. S 34 B.T.
Land mountainous
Soil Rocky & the rate
Timber pine and aspens on 69.00 chs.
Mahogany on 5.00 chs.
Mountainous Land on 80.00 chs.

West bet secs 3 and 34
Over mountainous land through scattering
Mohogany Descend
5.00 Bottom of draw drains N Ascend
12.00 Top of spur projects N Descend
25.00 Bottom of Tie fork Cañon Creek 10 lks
wide 2 ins deep runs S W Ascend gently
37.00 Bottom of draw Spring branch
2 lks wide 2 ins deep drains S Ascend
Difference between measurement of 40.00 chs by
two set of chainmen is 16 lks: position of
middle point.
By 1st set set 40.08 chs
By 2nd set 39.92 chs the mean of which is
40.00 Set a sand stone 14 x 7 x 6 ins 9 ins in the
ground for Standard 1/4 sec. cor. marked
S.B. 1/4 on West: and raise a mound of
stone 2 ft base 1½ ft high N of cor.
Pits impracticable
43.00 Top of spur projects S 5° E Descend
47.00 Bottom of gulch drains S Ascend
57.00 Top of spur projects S 10 E Descend
65.00 Bottom of gulch drains S 10 E Ascend
76.00 Commence Ascend abruptly ledges
Difference between measurement of 80.00 chs.
by two sets of chainmen is 20 lks: position
of middle point
By 1st set set 79.20 chs
By 2nd set 80.10 chs the mean of which is
80.00 Set a sand stone 12 x 10 x 10 ins 8 ins in the
ground for Standard cor. of secs 33 and
34 marked S.B. on N with 3 grooves
on E and W. faces: and raise a mound
of stone 2 ft base 1½ ft high N of cor.
Pits impracticable
Land mountainous
Soil Rocky 4th rate
Timber scattering scrub Mohogany
Mountainous land on 80.00 chs.

chains

West bet secs 4 and 33
over mountainous land through scattering
pine and mahogany Ascend abruptly
4.00 Top of spur projects S 10 W I descend abruptly
37.50 Bottom of gulch drains S 10 W Ascend abruptly
Difference between measurement of 40.00 chs. by
two set of chainmen is 10 lks. position of middle
point
By 1st set 39.95 chs.
By 2nd set 40.05 chs the mean of which is
40.00 The point for 1/4 sec cor. falls on a rock in
place 3 x 2 x 1 ft above ground on which
I cut a cross (x) at the exact cor. point
for Standard 1/4 sec cor. marked S.C. 1/4 on
N face; and raise a mound of stone 2 ft
base 1 1/2 ft high N of cor. Pits impracticable
57.00 Top of spur project S. 5° W. I descend abruptly
77.50 Small gulch drains S.
Knowing that the point for Standard sec cor.
with fall on the W bank of Huntington
river and cannot be set permanent
therefore
Difference between measurements of 78.48 chs.
by two set of chainmen is 14 lks. position
of middle point
By 1st set 78.55 chs
By 2nd set 78.41 chs the mean of which is
78.48 Marked a rock in place 5 x 2 x 2 ft above
ground on which I cut a cross (x) at the
exact point for Witness Standard cor.
of secs. 32 and 33 I marked S.C. on N.
W.C. on N.E. of cross with 4 grooves on
E and 2 grooves on W faces; and raise
a mound of stone 2 ft. base 1 1/2 ft high
N. of cor. Pits impracticable
79.00 Road bears N.W. and S.E.
79.50 Bottom of Huntington Canon River 50 lks wide
14 ins deep runs S.E.
80.00 Measurements by the two set of chainmen
at this point is exactly the same.
Set a sand stone 16 x 10 x 4 ins 11 ins in the

ground for standard cor of secs 32 and 33 marked S.C. on N with 4 grooves on E and 2 grooves on W faces; and raised a mound of stone 2 ft base 1½ ft high N of cor. Pits impracticable
Land mountainous
Soil Rocky 4th rate
Timber scattering pine and mohogany
Mountainous land on 8000 chs.

West bet secs 5 and 32
Over mountainous land through dense under brush. Ascend abruptly
5.00 Enter aspen timber
Difference between measurement of 4000 chs by two sets of chainmen is 12 lks; position of middle point
By 1st set 39.96 chs
By 2nd set 39.94 chs the mean of which is
4000 Set a round stone 14 x 6 x 6 ins 9 ins in the ground for Standard ¼ sec. cor. marked S.C. ¼ on N face; from which
A pine 4 ins diam bears N 35 W 25 lks. dist. marked B.T.
An aspen 6 ins diam. bears N 62 E 10 lks dist. marked S.C. ¼ S 32 B.T.
60.00 Top of spur prospects S.E. Ascend gradually along ridge N. slope
72.00 Top of short spur prospects S E Continue ascending
Difference between measurements of 8000 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
8000 Set a sand stone 16 x 10 x 4 ins 11 ins in the ground for standard cor of secs 31 and 32 marked S.C. on N with 5 grooves on E and 1 groove on W faces; from which
An aspen 4 ins diam bears N 21 W 35 lks dist. marked T 15 S R 7 E S 31 B.T.
No trees on sec 32 within limits therefore I raised a mound of stone 2 ft base 1½ ft high

Resurvey of the Third Standard Parallel Sthrough R 7 E continued

	N. of cor. Pits impracticable
	Land mountainous
	Soil stony 3rd rate
	Timber Aspen
	Mountainous land on 80.00 chs
	West bet. secs 6 and 31
	Over mountainous land through aspen timber Ascend gradually along N. slope
26.00	Top of spur projects S E descend
27.00	Bottom of gulch drains S E Ascend
39.00	Top of spur projects S E Descend
	Difference between measurement 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	Marked a rock in place 2x2x1 ft above ground on which I cut a cross at the exact cor. point for Standard 1/4 sec cor. I marked S.C. 1/4 on N. face; from which
	A boulder 18x10x3 ft above ground bears N 10° E 21 lks dist marked X S.C. 1/4 S. 31 B. O. No trees within limits. I raise a mound of stone 2 ft base 1/2 ft high N of cor. Pits impracticable
51.60	Intersect the closing corner of Tps 16 S R 6 and 7 E heretofore described
	Difference between measurement of 83.48 chs by two sets of chainmen is 8 lks position of middle point
	By 1st set 83.44 chs
	By 2nd set 83.52 chs the mean of which is
83.48	Intersect the old Standard cor of Tps 15 S Rs 6 and 7 E heretofore described
	Land mountainous
	Soil Stony 3rd rate
	Timber Aspens
	Mountainous Land on 83.48

161.8

Resurvey of the Third Standard Parallel South through R 7 E continued

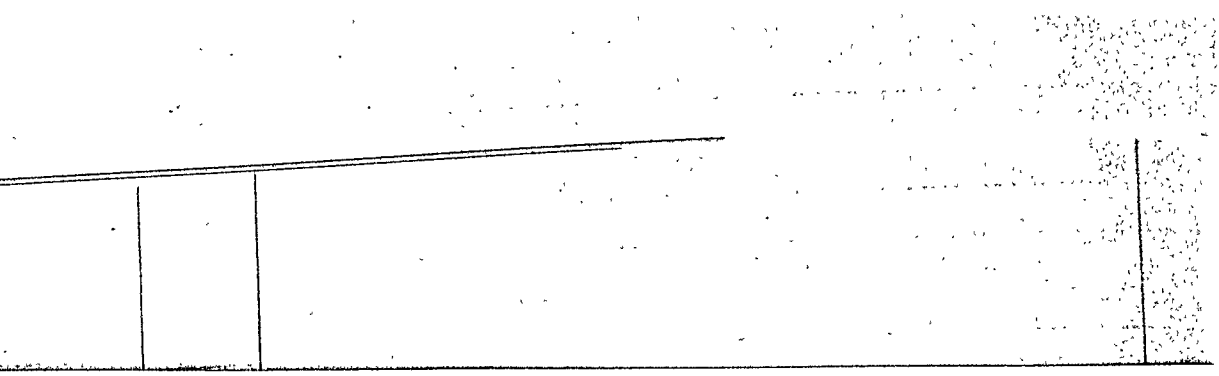
Line designated	True Bearing	Distance	Latitude N chs	Latitude S chs	Departures E chs	Departures W chs
3rd. Standard Parallel S.	West	451.60				451.60
W. Bdy. T16S R7E	South	479.26		479.26		
S bdy T16S R7E	East	451.40			451.40	
E bdy T16S R7E	North	477.40	477.40			
Convergency						.59
Totals			477.40	479.26	451.40	452.19
				477.40		451.40
Error in Lat.				1.86	Error in dep.	.79

For the general description see the notes of the subdivisions of this township

James C Dietz
Mi Dep Surveyor

No person authorized to administer oaths other than myself, is available without great delay and expense, therefore I administer the required final oaths.

James C Dietz
Mi Dep Surveyor



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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 James C Dick United States Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the Retracement or re-survey of the 3rd Standard Parallel South through Ranges 6, 7 and 8 east of the Salt Lake Base and meridian State of Utah showing the respective capacities in which they acted:

Alfredo R Talamantes Frank T Roberts ..... Chainman.
Earnest Toone Oliver C Gordon ..... Chainman.
Jay Morrison ..... Moundman.
..... Moundman.
David H Wood ..... Axman.
..... Axman.
Harry A Rager ..... Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted James C Dick United States Deputy Surveyor, in Retracing or re-surveying all these parts or portions of the Third Standard Parallel South through Ranges 6, 7 and 8 East of the Salt Lake Base and meridian, State of Utah, which are represented in the foregoing field notes as having been retraced or re-surveyed by him and under his direction: and that said retracement or survey has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the other monuments established, according to the instructions furnished by the United States Surveyor General for Utah

Earnest Toone Alfredo R Talamantes ..... Chainman.
Oliver C Gordon Frank T Roberts ..... Chainman.
Jay Morrison ..... Moundman.
..... Moundman.
David H Wood ..... Axman.
..... Axman.
Harry A Rager ..... Flagman.

Described and sworn to before me this 16th day of July 1900. ~~199~~

SEAL

James C Dick
U.S. Dep. Surveyor

FINAL OATH OF UNITED STATES DEPUTY

I, James C Dick, United States Deputy Surveyor, d
solemnly swear that, in pursuance of a contract received from Jacob B Bloom
United States Surveyor General for the District of Utah, bearing date of th
24 day of November, 1899, I have well, faithfully, and truly, in my ow
proper person, and in strict conformity with the instructions furnished by the United States Surveyo
General for the District of Utah, the Manual of Surveying Instructions, and the laws of th
United States, surveyed all those parts or portions of the Third Standard Parallel
South through Ranges 6, 7 & 8 East

of the Salt Lake
Base and Meridian, in the State of Utah, which are represented in t
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 the District of Utah 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 su
the penalty of perjury under the provisions of an Act of Congress approved August 8, 1846.

James C Dick
United States Deputy Surve

Subscribed by said James C Dick, and sworn to before me
this 13th day of May, 1901

Edward H Anderson
United States Surveyor-Gener

SEAL

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, November 2 1

The foregoing field notes of the survey of the Third Standard Parallel
South through Range 7 East of the Salt Lake Base
& Meridian, Utah

executed by James C Dick
under his contract No. 233, dated November 24, 1899, havin
critically examined, and the necessary corrections and explanations made, the said field notes, a
surveys they describe, are hereby approved.

Edward H Anderson
United States Surveyor

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

United States Surveyor

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4—070.

BOOK A-275

FIELD NOTES

OF THE SURVEY OF THE

Subdivision

of

T16S R7E

Of the Salt Lake Base and Meridian,

State of Utah

AS SURVEYED BY

James C. Dick, United States Deputy Surveyor,

for his Contract No. 233, dated November, 1899

rey commenced July 17 - 1900, 189-

rey completed July 27 - 1900, 189

Sub- high M. Chs. Hn 57- 10- 34

Avg— 22- 48

NAMES AND DUTIES OF ASSISTANTS.

Earnest Toone	Chainman
Oliver C. Linden	Chainman
Jas Morrison	Moundman
David H Wood	Axman
Harry L Kager	Flagman

The preliminary affidavits see book "E" Tp 17 S. R 8 E.

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Volume

#

R0275

BOOK A-275

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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*

_____, *Chainma*

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 establishm of corners, according to the instructions given us, to the best of our skill and ability, in the survey

_____

_____, *Moundm*

_____, *Moundm*

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

_____

SEAL

_____

WE, _____ and _____

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

_____

_____, *A*

_____, *A*

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

_____

SEAL

_____

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

_____, *Fl*

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

_____

SEAL

_____

Subdivision of T16S R7E

Chains

Subdivision commence July 17 1900 and executed with a Buff and Burger light mountain transit with solar attachment for a description of which see Cook P.
For a complete test of the solar apparatus see Cook X.
July 17 1900 at 8h 00m a.m. l.m.t. I set off 39°23' N. on the Lat arc: 21°14' N on the decl. arc: and determine with the solar a true meridian at the cor. of secs 1, 2, 35 and 36 on the S bdy of this Tp heretofore described
Thence I run
N0°01'W bet. secs. 35 and 36
Over mountainous land through scrub cedars and pinion pine Descend
9.00 Bottom of small draw drains NE Ascend
15.00 Top of spur near point projects N.E. Descend
15.90 From this point Bradleys Log cabin bears N85°18'E about 60 chs. dist.
Dan Palmer Log cabin bears N23°W 57.00 chs. dist. Corral bears N27°W 58.00 chs. dist.
40.00 Set a sand stone 16x8x6 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 1 1/2 ft. high W of cor. Pits impracticable
No suitable trees within limits for bearing objects
60.00 Leave cedars and pine E and W enter Cottonwood timber
60.50 Huntington river 50 lks. wide 16 ins. deep drains S.E. Ascend
62.00 Leave Cottonwood timber E. and W. enter scrub cedars and pine
65.00 Road bears N.W. and S.E.
80.00 Point fall on a sand rock in place 26x16x8 ins above ground on which I cut a cross (x) at the exact cor. point for cor. of secs 25, 26, 35 and 36 I marked 1 notches on E. and 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

Chains	
	Timber Cottonwood on 2.00 chs Cedars and pine on 78.00 chs. Mountainous land on 80.00 chs.
	East on a random line bet. secs. 25 and 36
40.00	Set a temp ¼ sec. cor.
80.00	Intersect the cor of secs 25, 30, 31 and 36 on the E. bdy. of Tp. heretofore described Thence I runs West on a true line bet secs 25 and 36 Over mountainous land Ascend broken E. E. slope
20.00	Commence ascend abruptly broken ledges.
40.00	Set a sand stone 16 x 14 x 6 ins 11 ins in the ground for ¼ sec. cor. marked ¼ on N face; and raise a mound of stone 2 ft base ½ ft high. N. of cor. Pits impracticable
42.00	Top of spur project S. W. Descend abruptly ledges
60.00	Bottom of ledges thence descend rapidly Also enter scrub cedars and pine
80.00	The cor of secs. 25, 26, 35, and 36 Land mountainous Soil rocky 4th rate Timber scrub cedars and pine on 20.00 chs. Mountainous land on 80.00 chs
	No 01' W bet. secs. 25 and 26 Over mountainous land through scrub cedars and pine Ascend abruptly broken ledges
29.00	Top of spur project S W Descend abruptly
40.00	Set a sand stone 18 x 8 x 4 ins 12 ins the groun

for 1/4 sec. cor. marked 1/4 on W face: from which
A pine 10 ins diam bears S66°E 18 lks dist.
marked 1/4 S 26 B.T.
A cedar 8 ins diam. bears N86°E 41 lks dist.
marked 1/4 S.25 B.T.
44.00 Road bears N.E. and S.W.
45.00 Bottom of Bear cañon spring branch 2 lks.
wide 2 in deep drains SW Ascend
59.20 Commence ascend abruptly broken ledges along
E. slope
80.00 Set a sand stone 18 x 10 x 6 ins 12 ins in the
ground for cor. of secs. 23, 24, 25, and 26
marked with 2 notches on S. and 1 notch E. edges:
from which
A pine 10 ins. diam. bears N51°E. 24 lks. dist.
marked T16S. R7E S.24 B.T.
No trees on secs. 23, 25 and 26 I therefore raise
a mound of stone 2 ft. base 1½ ft. high W. of
cor. Pits impracticable
Land Mountainous
Soil rocky 4th rate
Timber scattering scrub cedars and pine on
80.00 chs.
Mountainous Land on 80.00 chs.
July 17 1900 at this cor I set off 21°12' N on the decl.
arc: and at 12h a.m. [illegible] the sun
on the meridian the resulting Lat is 39°24' N°

East on a random line bet secs. 24 and 25
40.00 Set a temp 1/4 sec. cor.
80.00 Intersect the E. bdy. 2 lks N. of cor. of secs 19, 24,
25 and 30 heretofore described
Thence I run
N.89°59' W. on a true line bet secs 24 and 25
Over mountainous land through scrub
cedar and pine Descend abruptly

Subdivision of T16S R7E. continued

Chains	
40.00	Set a sand stone 18 x 10 x 4 ins 12 ins in the ground for 1/4 sec. cor. marked 1/4 on N face; and I raise a mound of stone 2 ft base 1½ ft. high N of cor. Pits impracticable
49.00	Bottom of gulch drains S.W. Ascend abruptly
55.00	Point of spur projects S.W. Descend
60.00	Bottom of Bacar Cañon spring branch 3 lks. wide 2 ins deep drains S.W. Ascend abruptly broken ledges
73.00	From this point Dan Robins Coal mine bears S 25° chs dist also commence perpendicular ledges
80.00	The cor of secs 23, 24, 25 and 26 Land mountainous Soil rocky 4th rate Timber scattering scrub cedars and pine Mountainous land on 80.00 chs.

N. 0° 01' W. bet. secs 23 and 24
Over mountainous land through scattering scrub cedars and pine Ascend abruptly along rough E slope

40.00	Set a sand stone 20 x 10 x 4 ins 16 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
60.00	Point of ledge projects E Descend abruptly
80.00	Bottom of small gulch drains S 75° E The sec cor cannot be set on account of slide rocks Set a sand stone 12 x 10 x 6 ins 8 ins in the Mound of stone for cor of secs 13, 14, 23, and 24 marked with 3 notches on S and 1 notches on E edges; and raise a mound of stone 2 ft base 1½ ft. high W of cor. Pits impracticable Land mountainous Soil Rocky 4th rate

chains

Timber scattering scrub cedars and pine
Mountainous land on 8.00 chs,

S. 89° 59' E. on a random line between 13 and 24
40.00 Set a temp 1/4 sec. cor.
79.97 Intersect the E bdy of Tp at the cor. of secs. 13 18 19 and 24 heretofore described
Thence I run
N. 89° 09' W. on a true line bet secs. 13 and 24
Over rough mountainous land through sage brush Descend
5.00 Leave sage enter scattering cedars and pine
Descend abruptly
39.98 Set a sand stone 16 x 10 x 6 ins 11 ins in the ground for 1/4 sec. cor. marked 1/4 on N. face; and raise a mound of stone 2 ft base 1 1/2 ft high N. of cor.
Pits impracticable
48.50 Commence descend ledges: bears N. and S.
60.00 Bottom of Bear gulch grains S Ascend abruptly broken ledges
75.00 Point of ledge projects S. Descend
79.97 The cor. of secs. 13, 14, 23, and 24
Sand mountainous
Soil rocky 4th rate
Timber scattering cedars and pine on 75.00 chs,
Mountainous land on 79.97 chs.

July 17-1900

N. 0° 01' W. bet secs 13 and 14
Over mountainous land through cedars and pine Ascend abruptly ledges
4.26 Top of ledges bears E and W. Marked a sand Rock in place 4 x 3 x 2 ft above ground on which

chains	
	I cut a cross (+) at the exact distance for witness cor. of secs 13, 14, 23 and 24 I marked W.C. on N.E. side of cross. 3 notches on S and 1 notch on E edges: from which A pine 14 ins diam bears E 6 lks dist. marked W.C. T.16 S R 7 E S 13 B.T. Thir being no other trees within limits I raise a mound of stone 2 ft base 1½ ft high W of cor. Pits impracticable
29.00	Leave cedars and pine enter aspens E. and W.
40.00	Set a sand stone 16 x 14 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.54° W. 12 lks. dist. marked 1/4 S.14 B.T. An aspen 6 ins diam. bears N.6° E 6 lks. dist. marked 1/4 S.13 B.T.
60.00	Top of ridge bears S W and E descend also enter pine timber
80.00	Set a sand stone 18 x 12 x 4 ins 12 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: from which An aspen 4 ins diam bears S. 3° W 34 lks dist. marked T.16 S. R.7 E. S.14 B.T. An aspen 6 ins diam. bears S. 3° E. 30 lks. dist. marked T.16 S. R.7 E. S.13 B.T. An aspen 4 ins diam. bears N.6° W 29 lks. dist. marked T.16 S. R.7 E. S.11 B.T. A pine 4 ins diam. bears N.22° E 18 lks dist. marked T.16 S. R.7 E. S.12 B.T.
	Land mountainous
	Soil stony & the rate
	Timber aspens on 57.00 chs. pine on 2000 chs.
	Cedars and pinion pine on 29.00 chs.
	Mountainous land on 80.00 chs

July 18 1900 at 9h 00m a.m. t.m.t. I set off 39°26' N. on the Lat. arc: 21°03' N on the decl. arc: and determine a true meridian with the solar at the cor of secs 11 12 13 and 14
Thence I run
S 89° 59' E on a random line bet secs. 12 and 13
40.00 Set a temp 1/4 sec. cor.
40.00 Intersect the E bdy of Pp. 2 lks S of cor of secs. 7.12. 13 and 18
Thence I run
West on a true line bet secs. 12 and 13.
Over mountainous land through aspens timber
Ascend gently
21.00 Top of ridge bears N and S Descend
also enter sage brush and scattering aspens
40.00 Set a sand stone 18x12x6 ins 12 ins in the ground for 1/4 sec. cor. marked 1/4 on N face: and raise a mound of stone 2 ft base 1½ ft high N. of cor. Pits impracticable
49.00 Commence descend abruptly also leave scattering aspens and sage brush enter pine timber N. and S.
75.00 Enter aspen timber N. and S.
80.00 The cor. of secs. 11, 12 13 and 14
Land mountainous
Soil gravelly 3rd rate
Timber aspen on 80.00 chs
Pine on 21.00 chs.
Mountainous land on 80.00 chs.

N 0° 01' W. bet secs. 11 and 12
Over mountainous land through aspen and pine timber Descend
13.00 Bottom of cañon drains S W Ascend also leave timber N.E. and S.W.
23.00 Enter aspen timber and sage brush
40.00 Set a sand stone 16x8x4 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 N 30 E. 4.8 lks. dist.

Chains	
	marked 1/4 S.12 B.T.
	An aspen 8 ins diam. bears N15W 35 lks dist.
	marked 1/4 S 11 B T
67.00	Leave aspen timber enter scattering patches of
	aspens
80.00	Set a sand stone 20 x 14 x 4 ins 15 ins in the ground
	for cor. of secs 1, 2, 11 and 12 marked with 5 notches
	on S and 1 notch on E edges: from which
	An aspen 6 ins diam bears S2½W. 17 lks, dist.
	marked T16S R7E, S, 11 B.T.
	An aspen 10 ins diam, bears S23½E 55 lks dist.
	marked T16S R7E S 12 B.T.
	An aspen 8 in diam bears N46°E. 47 lks, dist.
	Marked T16S R7E S.1. B.T.
	An aspen. 8 ins diam. bears N4 6½W 37 lks dist.
	Marked T16S. R.7E S 2 B.T
	Land mountainous
	Soil gravelly 3rd rate.
	Timber aspens on 8000 lbs
	Pine on 13,00 lbs,
	Mountainous land on 8000 lbs
	July 18-1900 at this cor I set off 21°02' W on the dec.
	are: and at 12h 00m a.m. l.m.t. observe the sun
	on the meridian the resulting Lat is 39°27' N
	East on a random line bet. secs. 1 and 12
40.00	Set a timp 1/4 sec. cor.
80.10	Intersect E bdy of Tp. 35 lks S of cor. of secs.
	1, 6, 7 and 12 heretofore described
	Thence I run
	S89°45'W on a true line bet secs 1 and 12.
	Over mountainous land through aspen and
	sage brush
20.00	Ridge bears N. and S. Leave aspen Descend
36.00	Enter aspens
40.06	Set a sand stone 16 x 12 x 5 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 N75°W 3 lks dist
	marked 1/4 S. 1 B.T.

Subdivision of T16 S R7 E.

chains		continued
	An aspen 12 ins diam. bears S6°1/4 E 16 lks dist. marked 1/4 S. 12 B.T.	
60.75	Leave aspen N. and S.	
64.75	Bottom of Canon drains S. Ascend	
67.75	Enter aspen N. and S.	
80.10	The cor of secs. 1, 2, 11 and 12	
	Land mountainous	
	Soil gravelly 3rd rate	
	Timber aspen on 57.10 chs.	
	Mountainous land on 80.10 chs.	
	N0°01'W. on a true line bet secs. 1 and 2	
	Over mountainous land through aspen and sage brush Ascend	
40.00	Set a sand stone 14 x 10 x 4 ins 9 ins in the ground 1/4 sec. cor. marked 1/4 on W face; from which	
	An aspen 8 ins diam. bears S20°1/2 E 126 lks dist. marked 1/4 S.1 B.T.	
	An aspen 9 ins diam. bears S0°30'W. 125 lks. dist. marked 1/4 S.2 B.T.	
58.00	Top of Ridge bears E and W. Enter pine timber	
78.00	Intersect the 3rd Standard Parallel South at the Standard cor. of secs. 35 and 36 heretofore described. As this cor is not witnessed for secs 1 and 2 I therefore marked bearing trees	
	A pine 18 ins diam. bears S7°1/2 W. 28 lks. dist. marked T.16 S.R.7 E. S.2 B.T.	
	A pine 10 ins diam. bears S2°E 38 lks dist. marked T.16 S.R.7 E. S.1 B.T.	
	Land mountainous	
	Soil gravelly 3rd rate	
	Timber pine on 20.00 chs Aspens on 78.00 chs.	
	Mountainous land on 78.00	
	July 18-19.00	

Subdivision of T16 S R 7 E continued

chains

July 19 - 1900 at 8h 00m a.m. l.m.t. I set off 39°23'N on the Sat arc: 20°53' N on the decl. arc: and determine a true meridian with the solar at the cor. of secs. 2, 3, 34 and 35 on the S bdy of Tp. heretofore described

Thence I run

N 0°01 W bet. secs. 34 and 35

Over rough mountainous land through scattering scrub cedars and pine Ascend broken ledges,

11.20 Spur projects E Descend

27.25 Fork of Meeting Canon drains E. Ascend

40.00 Point fall on slide rock cor. cannot be set

41.00 Set a sand stone 14 x 8 ins 5 ins. 9 ins in the ground for witness 1/4 sec. cor. marked WC 1/4 on W face; and raise a mound of stone 2 ft base 1 1/2 ft high W. of cor. Pits impracticable

49.00 Top of spur projects E Descend abruptly broken ledges

62.00 Bottom of deep gulch drains E Ascend abruptly broken ledges

76.00 Top of spur projects N.E. Knowing that the cor. of secs 26, 27, 34 and 35 would fall on broken ledges and cannot be set permanently; at this point I set a sand stone 14 x 12 x 6 ins 9 ins in the ground for witness cor of secs 26, 27, 34 and 35 marked WC on N.E. face with 1 notch on S and 2 notches on E edges; and raise a mound of stone 2 ft. base 1 1/2 ft high W. of cor. Pits impracticable

Descend abruptly broken ledges

80.00 On slide rock I set a sand stone 16 x 12 x 4 ins 11 ins in a mound of stone for cor. of secs 26, 27, 34 and 35 marked with 1 notch on S and 2 notches on E edges; and raise a mound of stone 2 ft base 1 1/2 ft high W. of cor. Pits impracticable

Land mountainous

Soil rocky 4th rate

Timber scattering scrub cedars and pine

Mountainous land on 80.00 chs.

Subdivision of T16S R7E continued

Chains	
	East on a random line bet. secs. 26 and 35
40.00	Set a stump 1/4 sec. cor.
80.00	Intersect N and S line at the cor. of secs 25 26, 35 and 36
	Thence Down
	West on a true line bet. secs 26 and 35
	Over rough mountainous land through scattering scrub cedars and pine Ascend abruptly
9.00	Commence Ascend ledges
20.00	Top of spurs projects S W Descend abruptly ledges
29.00	Bottom of ledges descend rapidly along S E slope
40.00	Set a sand stone 16 x 10 x 6 ins 11 ins in the ground for 1/4 sec. cor. marked 1/4 on N face from which A pine 8 ins. diam. bears S 4° W. 15 lks. dist. marked 1/4 S 35 B. T. A pine 5 ins diam. bears N 2° W. 40 lks dist. marked 1/4 S. 26 B. T.
52.00	Road bears N. W. and S. E.
52.45	Ditch 3 lks wide 3 ins deep drains S. 65° E.
65.00	Leave cedars and pine enter Cottonwood N and S.
67.00	Huntington River 50 lks. wide, 18 ins deep drains S. 65° E.
68.00	Leave Cottonwood N and S. enter scattering cedars and pine Ascend abruptly over broken ledges
80.00	The cor of secs 26, 27, 34 and 35 Land mountainous Soil rocky 4th rate Timber cedars and pine on 77,00 chs Cottonwood on 3,00 chs Mountainous land on 80,00 chs.

Subdivision of T16S R7E — continued

chains	
	No°01W. bet secs 26 and 27
	Over mountainous land through scattering scrub cedars and pine Descend abruptly rough broken ledges
1.00	Head of gulch drains N85E Ascend abruptly
16.00	Top of point of spur projects N.E. Descend abruptly
37.50	Bottom of gulch drains N.E. Ascend abruptly
40.00	Point fall on the W. edge of a rock in place 15x20x10 ft above ground on which: I cut a cross (x) at the exact cor. point for 1/4 sec. cor. I marked 1/4 on W face: and raise a mound of stone 2 ft base 1½ ft high W of cor. Pits impracticable
	Descend
45.00	Leave cedars and pine E. and W. enter dense underbrush
47.00	Huntington River 100 lks wide 12 ins. deep drains S.E.
50.00	Leave brush
53.00	Road bears N.W. and S.E.
60.00	Commence ascend abruptly
63.00	Top of small spur projects S.W. Descend
	Also enter scattering cedars and pine
68.00	Bottom of gulch drains S.W. Ascend ledges
72.10	Ledge 15 ft high
77.00	Ledge 10 ft high
78.50	Commence descend abruptly N.W. of ledges
80.00	Point for secs cor. fall on a rock in place 3x2x2 ft above ground on which: I cut a cross (x) at the exact cor. point for cor of secs. 22, 23, 26 and 27 marked with 2 notches on S and E edges: and raise a mound of stone 2 ft. base 1½ ft high W. of cor. Pits impracticable
	Land mountainous
	Soil Rocky 4th rate
	Timber scattering scrub cedars and pine on 62.00 chs.
	Mountainous land on 80.00 chs

Chains

July 19-1900 at this cor. I set off 20°51' N. on the decl. arc: and at 12h m.l.m.t. observe the sun on the meridian the resulting is 39°24' N

East on a random line bet. secs. 23 and 26
40.00 Set a temp 1/4 sec. cor.
80.00 Intersect N. and S. line at cor. of secs. 23, 24, 25 and 26
Thence I run
West on a true line bet. secs. 23 and 26
Over mountainous land through scattering cedars and pine Ascend abruptly
16.00 Commence ascend perpendicular ledges, bear N. and S.
18.00 Top of ledges ascend abruptly broken ledges
35.00 Top of spur projects S. Descend abruptly broken ledges
40.00 Set a sand stone 16x14x4 ins 11 ins in the ground for 1/4 sec. cor. marked 1/4 on N. face; and raise a mound of stone 2 ft base 1 1/2 ft high N. of cor. Pits impracticable
50.00 Bottom of small gulch drains S.W. ascend abruptly
65.00 Commence ascend ledges bears N.E. and S.W.
75.00 Top of spur projects S.W. Descend abruptly broken ledges.
80.00 The cor. of secs 22, 23, 26 and 27
Land mountainous
Soil rocky 4th rate
Timber scattering cedars and pine
Mountainous land on 80.00

N. 0°01' W. bet. secs. 22 and 23
Over mountainous land through scattering cedars and pine Descend

chains	
	broken ledges.
14.00	Bottom of gulch drains S.W Ascend.
21.00	Ascend ledges 30 ft high bears NE and S.W.
37.00	Top of spur projects S'ly continue ascending along W. slope
40.00	Set a sand stone 14 x 10 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
80.00	Set a sand stone 16 x 12 x 4 ins. 12 ins. in the ground for cor. of secs. 14, 15, 22, and 23 marked with 3 notches on S. and 2 notches on E. edges: and raise a mound of stone 2 ft. base 1½ ft. high W. of cor. Pits impracticable
	Sand mountainous
	Soil Rocky 4th rate
	Timber scattering cedars and pine
	Mountainous land on 80.00 chs.
	East on a random line bet. secs. 14 and 23
40.00	Set a temp 1/4 sec. cor.
80.00	Intersect N. and S. line at the cor of secs. 13, 14, 23 and 24
	Thence S'ly on West on a true line bet secs 14 and 23
	Over rough mountainous land through scattering cedars and pine. Ascend abruptly broken ledge
22.00	Top of spur projects S. Descend abruptly broken ledges.
40.00	Set a sand stone 15 x 12 x 8 ins. 10 ins in the ground for 1/4 sec. cor. marked 1/4 on N. face and raise a mound of stone 2 ft base 1½ ft high N. of cor. Pits impracticable
43.00	Bottom of deep gulch drains S. 15° W. Ascend abruptly
50.00	Commence ascend ledges bears N 10° E and

Subdivision of T16 S. R7 E. continued

Chains	
	S10°W.
60.00	Top of spur projects S.W. Descend abruptly
80.00	The cor. of secs 14, 15, 22, and 23
	Land mountainous
	Soil rocky 4th rate
	Timber scattering cedar and pine
	Mountainous land on 80.00 chs.
	July 19 – 1900
	July 20-1900 at 7h 00m a.m. l.m.t. I set off 39°26'N. on the lat. arc: 20°43'N on the decl. arc; and determine a true meridian with the solar at the cor. of secs. 14, 15, 22 and 23
	Thence I run
	N.0°01'W. bet secs. 14 and 15
	Over mountainous land through scattering cedar and pine Ascend abruptly broken ledges.
13.00	Commence descend abruptly broken ledges
15.00	Bottom of Trail cañon drains S.W. Ascend abruptly
40.00	Set a sand stone 18 x 12 x 6 ins 12 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.
62.00	Top of ledges bears N.E. and S.20W. Descend Leave cedars and pine enter sage brush
71.25	Gulch drains S.W. Ascend abruptly
77.00	Top of spur projects S.W. Continue ascending
80.00	Set a sand stone 20 x 16 x 5 ins. 15 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 raise a mound of stone 2 ft base 1½ ft. high W of cor. Pits impracticable
	Land mountainous
	Soil rocky 4th rate
	Timber scrub cedars and pine 62.00 chs
	Mountainous land on 80.00 chs.

Subdivision of T. 16 S. R. 7 E. continued

Chains	
	East on a random line bets. secs. 11 and 14.
2.00	Set a temp. 1/4 sec. cor.
19.11	Intersect N. and S. line at the cor. of secs. 11, 12, 13 and 14
	Thence from
	West on a true line bet. secs. 11 and 14.
	Over mountainous land through pine and aspen timber. Descend
9.00	Bottom of Fossil Canon drains S.W. Ascend
	heavy timber N. and S.
	Ascent ascend abruptly
31.00	
39.98	Cor. point fall on a rock in place 3 x 2 x 1 ft. above ground on which I cut a cross (x) at the exact cor. place for 1/4 sec. cor. marked 1/4 on N face, and raise a mound of stone 2 ft. base 1 1/2 ft. high N. of cor.
	Pits impracticable
46.60	Top of spur projects S. Descend
50.00	Bottom of draw drains S. Ascend gradually along S. slope
73.00	Enter aspen timber
73.80	Top of spur projects S.W. Descend heavy timber
79.96	The cor. of secs. 10, 11, 14 and 15
	Land mountainous
	Soil Rocky & thin
	Timber Aspens 11.80 chs pine on 2.00 chs.
	Mountainous land and dense undergrowth
	cor. 79.96 chs.

N. 60 W. bet. secs. 10 and 11
Over mountainous land through dense aspen brush Ascend W. slope
27.00 Top of spur projects S.W. descend
2.00 Set a round stone 16 x 10 x 3 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 1 1/2 ft. high W. of cor. Pits impracticable.

Subdivision of T16 S R7 E continued

chains	
42.00	Bottom of Cañon drains S.W. Ascend also enter young aspens
43.00	Leave aspens E. and W.
62.00	Enter aspens timber
74.00	Leave aspens timber E. and W. enter pine timber
80.00	Set a sand stone 18 x 14 x 4 ins 12 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: from which A pine 24 ins diam. bears S 11° W 63 lks. dist. marked T.16 S. R.7 E. S.10 B.T. A pine 36 ins diam bears S 88° E 55 lks. dist. marked T16 S. R.7. E. S. 11 B.T. A pine 18 ins diam bears N 74½° E 75 lks dist marked T.16 S. R.7 E. S.2 B.T. No trees on secs 3 therefore I raise a mound of stone 2 ft base 1½ ft. high W. of cor. Pits impracticable Land mountainous Soil stony 4th rate Timber aspen on 13.00 chs pine on 6.00 chs. Mountainous land on 80.00 chs. July 20 1900 at this cor. I set off 20°40' N on the decl. arc: and at 12h 00m [illegible] l.m.t. observe the sun on the meridian the resulting Lat. is 39° 27' N
	East on a random line bet. secs. 2 and 11
40.00	Set a temp ¼ sec. cor.
80.05	Intersect N. and S. line 19 lks. S. of cor. of secs. 1, 2, 11, and 12 Thence I run S. 89° 52' W. on a true line bet secs. 2 and 11 Over mountainous land through aspens timber Ascend
7.75	Leave timber N. and S. enter sage brush

Subdivision of T. 16 S. R. 7 E. continued

chains	
20.00	Top of wide spur projects S Descend
40.03	Set a lime stone 14x10x4 ins 9 ins in the ground for 1/4 sec cor marked 1/4 on N face; and raise a mound of stone 2 ft. base 1½ ft. high N of cor. Pits impracticable
41.00	Head of draw drains S Ascend
55.00	Top of flat spur projects S Descend
61.00	Enter aspen timber
68.00	Bottom of gulch drains S Ascend
72.30	Leave aspens N and S enter scattering pine timber
80.05	The cor. of secs 2, 3, 10 and 11 Land mountainous Soil stony 3rd rate Timber aspens on 19.05 chs pine on 7.75 chs. Mountainous land and dense under-growth on 60.95 chs.

N. 0.01 W. on a true line bet. secs. 2 and 3
Over mountainous land through scattering pine timber Ascend

10.00	Leave pine enter aspens timber E and W
12.00	Leave aspens timber
19.50	Top of flat Ridge bears N.E. and W. ascend
31.00	Enter pine timber
40.00	Set a mound stone 14x10x6 ins 9 ins in the ground for 1/4 sec. cor. marked 1/4 on W. face; from which Aspen 11 ins diam bears W 29 lks. dist. marked 1/4 S. 3 B. T. Aspen 14 ins diam bears E 21 lks. dist. marked 1/4 S. 2 B. T.
57.00	Top of spur projects N.W. Descend along W. slope
69.00	Gulch drains N.W. ascend
72.00	Leave pine enter mahogany

Subdivision of T16S R7E

continued

chains	
78.50	Intersect the 3rd Standard Parallel South at Standard cor of secs 34 and 35 heretofore described this cor not being witness for secs 2 and 3 I witnessed the same as follows A Mohogany 4 ins diam bears, S 32½° E. 40 lks. dist marked T16S R7E S2 B.T. A mohogany 8 ins diam bears S 12½ W. 78 lks. dist. marked T16S R7E S3 B.T. Land mountainous Soil rocky 4th rate Timber pine on 51.00 chs aspens on 2.00 chs Mohogany on 6.50 chs. Mountainous land on 78.50 chs. July 20-1900
	July 21-1900 at 8h 00m a.m. l.m.t. I set off 39°23' N on the Lat arc; 20°30' N on the ded. arc; and determine a true meridian with the solar at the cor of secs 3, 4, 33 and 34 on S bdy of Tp. heretofore described Thence I run N 0°02' W. bet secs 33 and 34 Over rough mountainous land through scattering cedars and pine Descend abruptly ledges
9.00	Fork of Meeting House Cañon drains N 80° E ascend abruptly ledges
39.00	Commence ascend perpendicular ledge 150 ft high bear N 75° E and S.W.
40.00	Top of ledges Set a sand stone 14x8x5 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 Ascend abruptly
52.00	Leave scattering cedars and pine enter aspen timber
65.00	Top of ridge bears N 70° E and S 70° W leave aspen enter pine timber Descend abruptly
78.00	Head of ravine grains N.W. continue descending
80.00	Set a sand stone 16x10x4 ins 11 ins in the

Subdivision of T16 S. R. 7. E. Continued

chains

ground for cor. of secs 27. 28. 33 and 34 marked with 1 notch on S and 3 notches on E edges: from which
A pine 14 ins diam. bears N 86 W 82 lks, dist, marked T. 16 S. R. 7 E. S. 28 B. T.
No trees on secs. 27, 33 and 34 within limits therefore I raise a mound of stone 2 ft base 1½ ft high W of cor. Pits impracticable
Land mountainous
Soil rocky 4th rate
Timber pine 1500 chs. aspens on 1300 chs.
Scattering cedars and pinion pine on 52.00 chs.
Mountainous land on 80.00 chs

East on a random line bet. secs. 27 and 34
40.00 Set a temp 1/4 sec. cor.
79.75 Intersect the N and S line 20 lks N. of cor. of secs. 26, 27, 34 and 35
Thence I run
N 89° 51' W. on a true line line bet. secs 27 and 34
Over mountainous land through scattering cedars Ascend abruptly along N slope
10.00 Spur projects N.E. Ascend enter timber
32.00 Leave pine and cedars N. and S.
39.87 Set a sand stone 14 x 8 x 6 ins 9 ins in the ground for 1/4 sec. cor. marked 1/4 on N face: and raise a mound of stone 2 ft base 1½ ft high N. of cor. Pits impracticable
55.00 Top of ridge bears N.E. and S.W. Descend abruptly
76.00 Enter scattering pine timber
79.75 The cor of secs 27, 28, 33, and 34
Land mountainous
Soil rocky 4th rate
Timber pine 2575 chs scattering cedars on 37.75 chs
Mountainous land on 79.75 chs

Subdivision of T16S R7E

Chains | continued

N.00 2' W. bet secs 27 and 28
Over mountainous land through scrub cedars. Descend abruptly
11.00 Point of ledge 20 ft. high
14.00 Enter scattering pine
20.00 Leave pine and cedars E. and W. Spur projects N.
40.00 Set a sand stone 16x8x4 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 1 1/2 ft high W. of cor. Pits impracticable
69.00 Bottom Redley Cañon spring branch 3 lks. wide 3 ins deep runs N.75° E.
70.50 Old road bears N.75° E. and S.60° W. Ascend over ledges
80.00 Point for sec. cor. fall on a rock in place 3x2x1 ft above ground on which; I cut a cross (x) at the exact cor. point for cor. of secs 21, 22, 27 and 28 marked with 2 notches on S and 3 notches on E edges; from which
A ledge 10 ft. high bears N 10° E 11 lks dist. marked (x) T.16S, R.7E, S.22 B.O.
No other bearings within limits I raise 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 16.00 chs cedars on 30.00 chs
Mountainous Land on 80.00 chs
July 21-1900 at this cor. I set off 20°28' N on the decl. arc; and at 12h00m m.l.m.t. observe the sun on the meridian the resulting lat. is 39°24' N.

S.89° 57' E. on a random line bet. sec. 22 and 27
40.00 Set a temp 1/4 sec. cor.
80.00 Intersect N. and S. line 20 lks. S. of cor. of secs. 22, 23, 26, and 27
Thence I run.

Subdivision of T16S R7E continued

chains	
	West on a true line bet. secs. 22 and 27
	Over mountainous land Descend
1.00	Ledge 20 ft high bears N.S.
4.00	Road bears N. 10° W. and S. enter dense under
	brush
5.50	Huntington river 60 lks. wide 12 ins deep runs
	S.
6.50	Leave brush ascend abruptly
16.00	Top of spur project N.E. Descend
40.00	Set a sand stone 14 x 8 x 5 ins 9 ins in the
	ground for 1/4 sec. cor. marked 1/4 on N face
	and raise a mound of stone 2 ft base 1½ ft.
	high N. of cor. Pits impracticable
41.00	Small gulch drains N enter young aspens
54.00	Ridley Canon spring branch 4 lks. wide
	2 ins deep runs N 60° E.
57.00	Road bears N 6° E and S. 60° W. Ascend.
	leave aspens
80.00	The cor. of secs 21, 22, 27, and 28
	Land mountainous
	Soil Rocky 4th rate
	Timber Young aspens on 16.00 chs.
	Mountainous land on 80.00 chs.

	N. 0° 02' W. bet. secs. 21 and 22
	Over mountainous land ascend rough
	broken ledges
16.00	Top of spur projects N.E. Descend enter
	aspen timber
36.00	Gulch drains N.E. leave aspens enter scrub
	cedars Ascend
40.00	Set a sand stone 14 x 14 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
50.10	Top of spur projects N.E. Descend abruptly
63.00	Enter aspen timber
73.00	Mill canon spring branch 4 lks. wide 3 ins

Chains	
	dep runs E. Ascend leave timber E and W
7.90	Commence perpendicular ledges 30 ft. high bear E. and W.
8.00	Top of ledge. Point for sec. cor. fall on a rock in place 6x4x3 ft. above ground one inch. I cut a cross (X) at the exact cor. point for cor. of secs. 15, 16, 21, and 22 marked 16 S. R. 7 E. on S.E. faces. with 3 notches on S and E edges: and raise a mound of stone 2 ft. base 1½ ft. high W. of cor. Pits impracticable. Land mountainous Soil stony 4th rate Timber aspens on 4.00 chs. Mountainous land on 8.00 chs.
	East on a random line bet. secs. 15 and 22
40.00	Set a temp ¼ sec. cor.
80.20	Intersect N. and S. line at the cor. of secs. 14, 15, 22, and 23
	Thence I run,
	West on a true line bet. secs. 15 and 22
	Over mountainous land through cedars ing. cedars Descend abruptly
22.00	Bottom of gulch drains S. Ascend
40.10	Set a sand stone 14x8x6 ins. 9 ins. in the ground for ¼ sec. cor. marked ¼ on N face: and raise a mound of stone 2 ft. base 1½ ft. high N. of cor. Pits impracticable
47.00	Leave scrub cedars
50.50	Commence Descend perpendicular ledge 100 ft. high
52.00	Bottom of ledge descend gradually
57.00	Road bears N.W. and S.E. enter brush
59.20	Huntington river 80 lks wide 10 ins deep runs S.E.
60.00	Leave brush Ascend abruptly enter cedars
72.50	Ledge 40 ft high bear nearly E. and W. Ascend along S slope on top ledge

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Subdivision of T16 S R7 E continued

Chains	
80.20	The cor of secs 15, 16, 21 and 22 Land mountainous Soil rocky 4th rate Timber Cedars on 67.20 chs. Mountainous land on 80.20 chs. July 21 1900
	July 22-1900 at 7h 00m a.m. l.m.t. I set off 39°26' N on the lat arc: 20°19' N on the decl. arc: and determine a true meridian with the solar at the cor. of secs. 15, 16, 21 and 22 Thence I run N. 0°02' W. bet secs 15 and 16 Over mountainous land Ascend abruptly
1.50	Ledge 20 ft high bear E. and W.
6.50	Top of spur projects E. Descend
18.00	Gulch drains E Ascend
27.00	Top of spur project E. Descend along E slope
40.00	Point fall on a rock in place 3 x 2 x 2 ft on which I cut a cross (x) at the exact cor. point for 1/4 sec. cor. marked 1/4 on W. side of cross: and raise a mound of stone 2 ft base 1½ ft high W. of cor. Pit impracticable
53.00	Descend perpendicular ledge 50 ft high bear N. W. and S. E.
72.50	Huntington river 50 lks. wide 2 ft deep runs S. 20 E. enter underbrush
75.40	Road bears N. 25° W. and S. 20° E.
80.00	Set ou sand stone 18 x 14 x 12 ins 12 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 raise a mound of stone 2 ft. base 1½ ft. high W. of cor. Pit impracticable Land mountainous Soil rocky 4th rate Timber None Mountainous land [illegible] dense undergrowth on 0.00 chs.

Subdivision of T16S R7E

continued

chains	
	East on a random line between 10 and 15
40.00	Set a temp ¼ sec. cor.
80.00	Intersect the N and S line at cor. of secs. 10 11 14 and 15
	Thence I run
	West on a true line bet secs 10 and 15
	Over mountainous land through mahogany brush Descend
9.00	Bottom of canon drain S. 18° W. Ascend abruptly
27.00	Top of abrupt Ascent ascend gently
31.00	Top of ridge bears N 5° E and S. 10° W. Descend also leave mahogany enter scattering scrub cedars
40.00	Set a sand stone 15 x 10 x 4 ins 10 ins in the ground for ¼ sec. cor marked ¼ on N. face; and raise a mound of stone 2 ft base 1½ ft high W of cor. Pits impracticable
43.00	Gulch drains S W Descend leave scrub cedars
54.00	Top of spur projects S Descend
56.00	Descend ledges 40 ft high bears N and S.
57.00	Bottom of ledges Descend abruptly
80.00	The cor of secs 9, 10, 15 and 16
	Land mountainous
	Soil rocky and stony
	Timber Cedars on 12.00 chs
	Mountainous land and dense undergrowth on 8 4.00 chs,

N. 0° 02 W. bet secs 9 and 10

Over mountainous land through scattering cedars Ascend abruptly broken ground

39.50	Ascend ledges 50 ft high N 75° E and S 70° W.
40.00	Point for ¼ sec. cor. fall on flat surface of ledge on which I cut a cross (X) at the exact cor. point for ¼ sec. cor. I marked ¼ on W side of cross; and raise a mound of stone 2 ft base 1½ ft high W of cor. Pits impracticable

chains	
40.75	Top of ledges 30 ft high spur projects S.W. descend
41 27	Commence descend ledges
45 50	Bottom of ledges gulch drains S.W. Ascend abruptly
52 00	Top of spur projects S.W. Descend
76 00	Bottom of gulch drains S.W. Ascend
80.00	Set a sand stone 18 x 6 x 6 ins. 12 ins in the ground for cor. of secs, 3 4 9 and 10 marked with 5 notches on S and 3 notches on E edges; and raise a mound of stone 2 ft base 1½ ft high W of cor. Pit impracticable
	Land mountainous
	Soil Rocky 4th rate
	Timber scattering scrub cedars
	Mountainous land on 80.00 chs,
	East on a random line bet. secs 3 and 10
40.00	Set a temp ¼ sec. cor.
79.80	Intersect the N and S line 23 lks. S of cor. of secs, 2, 3, 10 and 11
	Thence S 5° W on a true line bet. secs. 3 and 10
	Over mountainous land through pine timber
	Ascend
13.00	Top of ledge bears N.E. and S.W. Descend
38.50	Bottom of ravine drains N Ascend abruptly
39.90	Set a sand stone 17 x 14 x 3 ins 12 ins in the ground for ¼ sec. cor. marked ¼ on N. face: from which
	A pine 24 ins diam. bears S 5° W. 24 lks. dist. marked ¼ S, 9 B. T,
	A pine 6 ins diam. bears N. 6° W. 30 lks. dist. marked ¼ S, 3 B. T.
48.20	Ledge 30 ft high bear N.W. and S.E.
62 00	Top of spur projects N.W. Descend abruptly leave pine timber cedar scrub cedars N.W. and S.E.
67.00	Descend ledge 25 ft. high bears N.W. and S.E.
79.80	The cor. of secs. 3, 4, 9 and 10

Subdivision of T16 S R7 E

chains | continued

Sand mountainous
Soil rocky 4th rate
Timber pine on 62 00 chs scrub cedars on 12,80 chs
Mountainous land on 79,80 chs.

N 0° 02' W. on a true line bet secs 3 and 4
Over mountainous land through scattering
scrub aspens Ascend abruptly broken ledges
7.50 Top of spur projects W Descend
12.00 Enter pine timber leave aspen. E and W.
17.00 Leave pine timber
39.50 Bottom of Tie fork cañon spring branch 3 lks.
wide 3 ins deep runs S.W. Ascend also enter
pine and Cottonwood timber
40.00 Set a sand stone 20 x 12 x 6 ins 15 ins in the ground
for 1/4 sec. cor. marked 1/4 on N face; from which
A pine 8 ins diam. N 42° E 6 lks dist.
marked 1/4 S 3 B.T.
A Cottonwood 12 ins diam. bears S 54° W 14 lks dist.
marked 1/4 S. 4 B.T.
42.50 Commence ascend abruptly leave pine and
Cottonwood timber enter scrub cedars.
78.80 Intersect the 3rd Standard Parallel South at
the Standard cor. of secs 33 and 34 heretofore
described as this cor has not been witness for the
sec. S I proceed to witness the same as follows
A pine 12 ins diam. bears S 10½° E. 57 lks. dist.
marked T.16 S. R.7 E. S 3 B.T.
No trees on sec 4 within limits
Sand mountainous
Soil rocky 4th rate
Timber pine on 12 00 chs Cottonwood on 3,00 chs.
Cedars on 36,50 chs.
Mountainous land on 78,80 chs.

July 22-1900

Subdivision of T16 S R7 E continued

drains

July 23-1900 At 8h 00m a.m. l.m.t. I set off 39°23' N on Sat arc: 20°07' N on the decl: arc: and determine a true meridian with the solar at the cor of secs 4, 5, 32, and 33 on S bdy, of this Tp heretofore described

Thence I run

N 0°03' W. bet. secs. 32 and 33

Over mountainous land through pine and aspen timber Descend

1.50 Bottom gulch spring branch 2 lks wide 1 ins deep drains N 85 E leave pine timber Ascend

22.00 Top of Ridge bears N.E. and S.W. leave aspens enter pine timber Descend

40.00 Set a sand stone 16 x 10 x 4 ins 11 ins in the ground for 1/4 sec cor marked 1/4 on W. face; from which

A pine 6 ins diam. bears S 37° E 6 lks. dist. marked 1/4 S.33 B.T.

A pine 8 ins diam. bears S 71° W. 10 lks dist marked 1/4 S 32 B.T.

68.00 Commence descend abruptly

76.00 Bottom of draw drains N 5° E continue descending along E slope

80.00 it a sand stone 16 x 10 x 4 ins 11 ins in the ground for cor. of secs. 28, 29, 32 and 33 marked with 1 notch on S and 4 notches on E edges: from which

A pine 12 ins diam bears S 62° E 27 lks. dist. marked T16 S. R. 7 E. S.33 B.T.

A pine 16 ins diam. bears S 40° W 88 lks. dist. marked T.16 S. R. 7 E. S.32 B.T.

A pine 6 ins diam. bears. N. 6° E. 115 lks. dist. marked T16 S. R. 7 E. S.28 B.T.

A pine 14 ins diam. bears N 78° W 95 lks. dist. marked T.16 S. R. 7 E. S.29 B.T.

Land mountainous

Soil stony 3rd rate

Timber pine on 59.50 chs Aspens on 22.00 chs

Mountainous land on 80.00 chs.

Subdivision of T16S R7E continued

Chains	
	East on a random line bet secs 28 and 33
40.00	Set a stump 1/4 sec. cor.
80.00	Intersect N. and S. line at the cor. of secs. 27, 28, 33, and 34
	Thence I run
	West on a true line bet. secs. 28 and 33
	Over mountainous land through scattering pines. Descend
5.00	Gulch drains N. 5° W. Ascend
19.00	Top of spur projects N. 5° W Descend
31.00	Gulch drains N. 5° W. Ascend
40.00	Set a sand stone 16 x 10 x 6 ins 11 ins in the ground for 1/4 sec. cor. marked 1/4 on N. face and raise a mound of stone 2 ft base 1½ ft. high N of cor. Pits impracticable
43.50	Top of spur projects N. Descend
56.00	Gulch drains N. 5° E. Ascend
57.50	Top of spur projects N. Descend abruptly
78.50	Bottom of draw drains N Ascend
80.00	The cor of secs. 28, 29, 32 and 33
	Land mountainous
	Soil rocky 4th rate
	Timber scattering pine.
	Mountainous land on 80.00 chs.

	N. 0° 3' W. bet secs 28 and 29
	Over mountainous land through scattering pine timber - Descend
38.00	Leave pine timber enter small aspens
40.00	Set a sand stone 14 x 8 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. Cor. located in small aspens
43.00	Ridley Canon spring branch 3 lks wide 2 ins deep runs N. 6° E leave small aspens enter scattering scrub cedars and pine
	Ascend abruptly broken ledges

Subdivision of T16 S R7 E continued

Chains	
8000	Set a sand stone 16 x 10 x 5 ins 11 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 raise a mound of stone 2 ft base 1½ ft high W, of cor. Pits impracticable Land mountainous Soil rocky 4th rate Timber pine on 38 00 chs aspens on 500 chs, scrub cedar and pine on 37,00 chs, Mountainous land on 80,00 chs July 23-1900 at this cor. I set off 2004 N on the decl. arc: and at 12h 00m a.m. l.m.t. observe the sun on the meridian the resulting lat. is 39° 25' N.
	East on a random line bet secs 21 and 28
4000	Set a temp. ¼ sec. cor.
8000	Intersect N and S line at the cor. of secs 21 22, 27 and 28 Thence I run West on a true line bet. secs. 21 and 28 Over mountainous land through scattering scrub cedars and pine Ascend along broken S. slope
3500	Top of ridge bears N.E. and S.70° W. Descend
40,00	Set a sand stone 14 x 8 x 6 ins 9 ins in the ground for ¼ sec. cor marked ¼ on N face, and raise a mound of stone 2 ft. base 1½ ft. high N. of cor Pits impracticable
45,00	Head of Gulch drains N E Ascend
7500	Top of ridge bears N.85° W. and S.70° E. Descend
80,00	The cor of secs 20, 21. 28 and 29 Land mountainous Soil rocky 4th rate Timber scrub cedar and pine Mountainous land on 8000 chs.

Subdivision of T. 16 S. R. 7 E. continued

Chains	
	N. 0° 03' W. bet. secs. 20 and 21
	Over mountainous land through scattering cedar and pine. Ascend abruptly
5.00	Top of ridge bears N. 85° W. and S. 85° E.
	Descend leave cedars and pinion pine enter pine timber
22.00	Ravine draws E. Ascend leave pine timber enter scrub cedars and pine E. and W.
44.00	Set a sand stone 14 x 8 x 5 ins 9 ins in the ground for 1/4 sec cor marked 1/4 on W. side; and raise a mound of stone 2 ft. base 1 1/2 ft. high W. of cor. Pits impracticable
45.00	Leave scrub cedars and pine enter pine and aspen timber E. and W.
45.25	Top of spur projects E. Descend
60.00	Head of gulch draws N. E.
79.20	Mill Canon draws E.
80.00	An aspen 6 ins diam. for cor. of secs. 16 17 20 and 21 I marked: T. 16 S. S. 16. on N. E. R. 7 E. S. 21 on S. E. S. 20 on S. W. and S. 17 on N. W. sides; with 3 notches on S. and 4 notches on E. sides; from which An aspen 8 ins diam. bears N. 60° W. 5 lks dist. marked T. 16 S. R. 7 E. S. 17 B. T. A pine 6 ins diam. bears N. 60° E. 8 lks dist. marked T. 16 S. R. 7 E. S. 16 B. T. Notches on secs. 20 and 21 I raise a mound of stone 2 ft. base 1 1/2 ft. high W. of Cor. Pits impracticable Land mountainous
	Said stony 3rd rate
	Timber pine on 52.00 chs. aspens on 3 5 00 chs scrub cedar and pine on 28.00 chs.
	Mountainous land on 8.00 chs.

Subdivision of T16S R7E continued

Chains	
	East on random line bet. secs. 16 and 21
40.00	Set a temp ¼ sec. cor.
79.80	Intersect N and S line 2 lks S of cor. of secs. 15, 16, 21 and 22
	Thence I run
	S. 6° 59' W. on a true line bet secs. 16 and 21
	Over mountainous land through
	scattering scrub cedars Ascend steep
	top of ledge
39.50	Descend ledge 20 ft high
39.90	Set a sand stone 14 x 8 x 6 ins 9 ins in the
	ground for ¼ sec. cor. marked ¼ on N
	face: and raise a mound of stone 2 ft.
	base 1½ ft high N of cor. Pit impracticable
	Cor. located 10 lks S of ledge
	Ascend along N side of canon
45.00	Enter scattering aspen and pine
	leave scrub cedars
79.80	The cor of secs 16, 17, 20 and 21
	Land mountainous
	Soil rocky 4th rate
	Timber scattering pine and aspens
	on 34.80 chs scrub cedars on 45.00 chs,
	mountainous land on 79.00 chs,
	July 23 - 19.00

July 24 1900 at 7 h 00 m a.m. I set off 3° 25' N. on the latt. arc: 19° 55' N. on the decl. arc: and determine a true meridian with the solar at the cor. of secs 16, 17, 20 and 21

Thence I run

N. 0° 30' W. bet. secs. 16 and 17

Over mountainous land Ascend

5.40 Ascend ledges 30 ft high thence ascend abruptly also enter scattering scrub cedars

23.70 Ledge 60 ft high bears E. and W.

40.00 Set a sand stone 14 x 9 x 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

Subdivision of T16S R7E continued

Chains	
	high W. of cor. Pits impracticable
66.70	Top of spur projects E Descend
80.00	Set a sand stone 18 x 6 x 4 ins 12 ins in the ground for cor. of secs. 8, 9, 16 and 17 marked with 4 notches on S and E edges: and raise a mound of stone 2 ft base 1½ ft. high W. of cor. Pits impracticable
	Land mountainous
	Soil rocky & the rate
	Timber scrub cedars on 74,60 chs.
	Mountainous land on 8000 chs.
	N 89° 59' E on a meridian line bet. secs. 9 and 16
40,00	Set a limestone sec. cor.
80,00	Intersect Road N and S line 2 lks N. of cor. of secs. 9 10 15 and 16
	Thence 9 runs
	West on a true line between 9 and 16
	Over mountainous land. Descend
3.20	Road bears N. W. and S. E. under underbrush
5.10	Huntington River 20 lks. wide 6 ins deep runs S. E. Scrub brush Ascend abruptly
6.00	Cedar scattering scrub cedars
40,00	Set a sand stone 14 x 12 x 10 ins 9 ins in the ground for ¼ sec. cor. marked ¼ on N face, and raise a mound of stone 2 ft. base 1½ ft. high N. of cor. Pits impracticable
41,00	Top of ridge bears N and S, Descend
47,00	Head of draw drains N. E. Ascend abruptly
60,00	The cor of secs 8, 9, 16 and 17
	Land mountainous
	Soil rocky & the rate
	Timber scrub cedars on 74,00 chs.
	Mountainous land on 8 000 chs.

Chains	
	N 003W bet secs 8 and 9
	Over mountainous land through scrub
	cedars Descend
5.00	Leave cedars enter pine and aspen E and W.
30.00	Leave pine and aspen timber enter scrub Cedar
	E and W.
40.00	Set a sand stone 12 x 8 x 6 ins 8 ins 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
40.35	Head of Ravine drains N.E. Ascend
48.50	Enter pine timber & cedars E and W. Ascend abruptly
71.00	Leave pine timber E and W, enter small aspens
80.00	Set a sand stone 14 x 10 x 8 ins 9 ins in the ground
	for cor. of secs. 4, 5, 8, and 9, marked with 5
	notches on S and 4 notches on E edges; and
	raise a mound of stone 2 ft. base 1½ ft high
	W. of cor Pits impracticable
	Land mountainous
	Soil rocky 4th rate
	Timber pine on 47.50 chs aspen on 34.00 chs
	Scrub cedars on 23.50 chs
	Mountainous land on 80.00 chs
	July 24-1900 at this cor. I set off 19° 52' N on the
	dec. acc; and at 12h 00m mean time observe
	the sun on the meridian the resulting dec.
	is 3° 9' N
	East on a random line bet. secs. 4 and 9
40.00	Set a stone 1/4 sec. cor.
80.00	Intersect N. and S. line at the cor. of secs. 3, 4, 9
	and 10 "
	Thence I run
	West on a true line bet. secs. 4 and 9
	Over mountainous land Descend along S. slope
15.00	Spur projects S.W Descend abruptly
33.00	Road bears N.W. and S.E.

Subdivision of T. 16 S. R. 7 E. continued

chains	
35.00	Huntington river 90 lks wide 12 ins deep drains S.E., Ascend abruptly through sagebrush
40.00	Set a sand stone 20 x 8 x 8 ins 15 ins in the ground for 1/4 sec. cor. marked 1/4 on N face; and raise a mound of stone 2 ft base 1½ ft high N. of cor. Pits impracticable
68.00	Enter small aspens Ascend abruptly
80.00	The cor of secs 4, 5, 8 and 9
	Land mountainous
	Soil stony 4th rate
	Timber Aspens on 12,00 chs
	Mountainous land and dense undergrowth on 80.00 chs,

No 03 W. on a true line bet secs. 4 and 5

Over mountainous land through small aspens

23.00	Descend abruptly
35.00	Bottom of Crandal canon spring branch 3 lks wide 2 ins deep drains E, Ascend abruptly heavy aspens
40.00	Set a sand stone 16 x 14 x 5 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
40.00	Commence Ascend gradually on E. slope
70.50	Commence descend abruptly
78.75	Intersect the 3rd. Standard Parallel South at the Standard cor. of secs. 32 and 33 a witness cor. for the same is 1.52 chs E. both cors. are described in notes of the resurvey of the 3rd Standard Parallel South through R. 7 E.
	Land mountainous
	Soil stony 4th rate
	Timber small aspens on 35.00 chs
	Mountainous land and dense undergrowth on 78.75 chs,

July 24 - 1900

Subdivision of T16S R7E continued

chains

July 25-1900 at 8h 00m a.m. l.m.t. I set off 39°23' N on the Sat. arc 19°41' N on the decl. arc: and determine a true meridian with the solar at the cor of secs 5, 6, 31, and 32 on S bdy of this Tp. heretofore described

Thence I run

N 0°03' W bet secs 31 and 32

Over mountainous land through dense pine and scattering aspens timber Ascend

22.50 Top of ridge bears NW and S.E. enter dense aspen Descend abruptly

40.00 Set a sand stone 16 x 10 x 6 ins 11 ins. in the ground for 1/4 sec. cor. marked 1/4 on W face: from which

An aspen 4 ins diam. bears S 66° E 41 lks. dist. marked 1/4 S, 32 B, T,

An aspen 5 ins diam. bears N 88° W, 21 lks. dist. marked 1/4 S, 31 B, T,

73.00 Bottom of draw drains N 10° E. Descend

-80.00 Set a sand stone 16 x 10 x 4 ins 11 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: from which

An aspen 4 ins diam. bears N 41° E 29 lks dist. marked T16 S, R, 7 E, S, 29 B, T,

An aspen 4 ins diam. bears S 41° W 19 lks. dist. marked T16 S R 7 E, S, 31 B, T,

A pine 5 ins diam. bears N 47° W 53 lks. dist. marked T16 S, R, 7 E, S, 30 B, T,

A pine 4 ins diam. bears S 76° E 28 lks. dist marked T16 S R 7 E S 32 B, T,

Sand mountainous

oil loam and gravelly 2nd and 3rd rates

Chains		Continued
	Timber pine and aspen Mountainous land on 80.00 chs	
	East on a random line bet. secs. 29 and 32	
40.00	Set a temp. 1/4 sec. cor.	
80.00	Intersect the N. and S. line at the cor. of secs. 28, 29, 32 and 33.	
	Thence I run	
	West on a true line bet. secs. 29 and 32	
	Over mountainous land through scattering pine timber Ascend	
20.00	Top of spur projects N 5° E Descend	
40.00	Set a sand stone 16 x 10 x 8 ins 11 ins. in the ground 1/4 sec. cor. marked 1/4 on N. face; and raise a mound of stone 2 ft base 1/2 ft high N of cor. Pits impracticable	
	No trees within limits.	
44.00	Bottom of draw drains N. Ascend	
62.50	Top of spur projects N. Descend abruptly broken ledges.	
77.00	Bottom of draw drains N. Ascend abruptly	
80.00	The cor. of secs. 29, 30, 31, and 32	
	Land mountainous	
	Soil rocky 4th rate	
	Timber pine on 80.00 chs	
	Mountainous land on 80.00 chs	
	Knowing from previous survey of the E. bdy. of T16 S, R 6 E which is also the W. bdy. of this Tp. that a closing cor. for secs 30 and 31 would be necessary	
	I run	
	West on a true line bet secs 30 and 31	
	Over mountainous land through scattering	

chains

pine and aspen timber Ascend gradually

40.00 Set a sand stone 16x12x6 in 11 ins in the ground for 1/4 sec. cor. marked 1/4 on N. face: and raise a mound of stone 2 ft base 1/2 ft high N. of cor. Pits impracticable

No trees within limits

51.50 Intersect the W. bdy. of this Tp. 4.46 chs N of cor. of secs. 30 and 31 and 6.96 chs N of closing of secs 25 and 36 T.16 S, R.6 E. the two cors. heretofore described

At my point of intersection I set a sand stone 2x10x6 ins 15 ins in the ground for closing cor. of secs. 30 and 31 marked C.O. on E. with 1 groove on S. and 5 grooves on N. faces: and raise a mound of stone 2 ft base 1/2 ft high E of cor. Pits impracticable

I destroyed the sec cor. previously set

Sand Mountains

Soil stony 4th rate

Timber scattering pine and aspen

Mountainous land on 51.50 chs.

July 25-1900 At this cor I set off 19°39' N on the decl. arc: and at 12h 00m m l.m.t. observe the sun on the meridian the resulting Lat is 39°23' N

N 0°03' W. bet secs 29 and 30

Over mountainous land through scattering pine and aspen timber Descend

1.50 Commence descend ab[illegible]

13.00 Left fork of Ridley canon spring branch 1 lk. wide 1 ins deep runs N.E. Ascend abruptly broken ledges

35.00 Spring 50 lks W. of line

37.00 Commence ascend ledges 300 ft high

40.00 Top of ledges bear E and W. Point for 1/4 secs cor fall on flat surface of a solid rock: on which

Subdivision of T16S R7E continued

I cut a cross (x) at the exact cor. found for 1/4 sec. cor. I marked 1/4 on W side of cross: and raise a Mound of stone 2 ft base 1/2 ft high W of cross. Pits impracticable

44.00 Top of spur projects E, enters dense pine descend abruptly

54.00 Decend break W. and S. E.

74.50 Bottom of Ridby Canon spring branch 2 lks, wide 2 ins deep drains E. leave timber Ascend abruptly broken ledges.

80.00 Set a sand stone 14 x 12 x 3 ins 9 ins, in the ground for cor. of secs. 19 20 29 and 30 marked with 2 notches on N and 5 notches on E, edges: and raise a mound of stone 2 ft, base 1/2 ft, high W. of cor. Pits impracticable

Land mountainous

Soil rocky 4th rate

Timber pine Aspen on 74 00 chs,

Mountainous Land on 8 000 chs.

East on a random line bet secs 20 and 29

40.00 Set a temp 1/4 sec, cor,

80.00 Intersect the N and S line 9 lks South of cor of secs 20, 21, 28 and 29

Thence 9 mm

S 89° 56' W. on a true line bet secs 20 and 29

Over mountainous land through scattering Cedars and pinion pine Descend along S. slope

40.00 Set a sand stone 14 x 12 x 5 ins 9 ins in the ground for 1/4 sec. cor. marked 1/4 on N face; and raise a [illegible] of stone 2 ft base 1/2 ft high W. cor, Pits impracticable

80.00 The cor of secs 19, 20, 29 and 30

Land mountainous

Soil rocky 4th rate

Timber scrub cedar and pine

Mountainous land on 80,00 chs,

Subdivisions of T16 S R7 E continued.

Chains

Knowing from previous survey of the E bdry of T16 S R6 E which is also the W bdry of this Tp, that a closing cor for secs 19 and 30 would be
Measuring 40 chs
West on a true line bet secs 19 and 30
Over mountainous land through scattering
Mahogany. Descend abruptly broken ledges
16.00 Bottom of Rocky canon: spring brook 2 lks
wide 2 ins deep drains S E have mahogany
cedar pine aspen timber. Ascend over spurs
and hollows
40.00 Set a sand stone 14 x 12 x 5 ins 8 ins in the
ground for M sec. cor. marked M on N face:
from which
A pine 6 ins diam. bears N 10° W 19 lks dist.
marked M S 19 B.T.
A pine 6 ins diam. bears S 13° E 25 lks dist.
marked M S 30 B.T.
51.38 Intersect the W bdry of Tp, 4.45 chs N. of cor of secs
19 and 30 and 6.85 chs N. of closing cor of secs.
24 and 25 T16 S R 6 E both corners heretofore
described.
At my point of intersection I set a sand
stone 20 x 12 x 14 ins 15 ins in the ground for
closing cor. of secs 19 and 30 marked C.C. on
E, with 2 grooves on S and 5 grooves on E
faces: from which
An aspen 6 ins diam. bears S 54° E 10 lks dist.
marked T16 S, R, 7 E, S, 30 B.T.
An aspen 7 ins diam. bears N 20° E 30 lks dist.
marked T16 S, R, 7 E, S, 19 B.T.
I distroyed the sec. cor. previously set
Sand mountainous
Soil stony 3rd rate
Timber pine and aspens on 35.38 chs
Mahogany on 16.00 chs.
Mountainous land on 51.38 chs.
July 25 - 1900

Subdivision of T16 S R7 E

chains — continued

July 26 1900 At 8h 00m a.m. l.m.t. I set off 39° 24' N on the Lat. arc: 19° 28' N on the decl. arc: and determined a true meridian with the solar at the cor. of secs. 19, 20, 29 and 30
Thence I run
N. 0° 03' W. bet secs. 19 and 20
Over mountainous land through scattering Mohogany Ascend broken ledges
18.00 Leave mohogany enter scattering pine timber
32.00 Top of ridge bears W and S. 70° E. leave scattering timber enter dense pine and aspens
40.00 Set a sand stone 18 x 14 x 3 ins 12 ins in the ground for 1/4 sec cor. marked 1/4 on W. face; from which
A pine 8 ins diam. bears N 30½ W 12 lks dist. marked 1/4 S, 19 B, T
An aspen 5 ins diam. bears S. 52° E. 10 lks dist. marked 1/4 S, 20 B, T
52.00 Leave dense timber enter scattering pine and dense aspens
53.00 Commence descend abruptly
80.00 Set a sand stone 22 x 14 x 12 ins 16 ins in the ground for cor. of secs. 17 18 19 and 20 marked with 3 notches on S and 5 notches on E edges: from which
An aspen 4 ins diam. bears S. 61° E. 7 lks. dist. marked T16 S, R, 7 E, S, 20 B, T
An aspen 4 ins diam. bears S. 20° W. 20 lks dist. marked T16 S, R, 7 E, S, 19 B, T
An aspen 4 ins diam. bears N. 65° W. 4 lks. dist. marked T16 S, R, 7 E, S, 18 B, T
An aspen 4 ins diam. bears N. 65° E. 8 lks. dist. marked T16 S, R, 7 E, S, 17 B, T
Land mountainous
Soil stony 3rd rate
Timber pine on 62.00 chs Aspens on 48.00 chs.
Mohogany on 18.00 chs.
Mountainous land on 80.00 chs.

Subdivision of T16 S R7 E

Chains	
	N 89° 56' E on a random line bet secs 17 and 20
40.00	Set a temp 1/4 sec cor
80.10	Intersect the N and S line 21 lks N of cor of secs 16, 17, 20 and 21
	Thence I run
	N 89° 05' W on a true line bet secs 17 and 20
	Over mountainous land through scattering Aspen Ascend along N side of canon
18.00	Bottom of Mills Canon drains E, Ascend abruptly N slope also enter small aspens
40.05	Set a sand stone 17 x 10 x 5 ins 12 ins in the ground for 1/4 sec cor, marked 1/4 on N face and raise a mound of stone 2 ft base 1½ ft high N of cor, Pits impracticable
	Corner located in dense small aspens
80.10	The cor of secs 17, 18, 19 and 20
	Land mountainous
	Soil stony 3rd rate
	Timber aspens on 80.10 chs
	Mountainous land on 80.10 chs

Knowing from previous survey of the E bdy of T16 S, R6 E, which is also the W bdy of this Tp that a closing cor would be necessary

I run

West on a true line bet secs 18 and 19

Over mountainous land through dense aspens and pine timber Ascend along N slope

36.00	Small draw drains N E, Leave timber N and S Ascend abruptly
40.00	Set a sand stone 20 x 16 x 3 ins 15 ins in the ground for 1/4 sec cor marked 1/4 on N face and raise a mound of stone 2 ft base 1½ ft high N of cor Pits impracticable
43.50	Enter pine and aspen timber
51.47	Intersect the W bdy 4.48 chs N of cor of secs 18 and 19 and 6.65 chs N of the closing cor of secs 13 and 24 both cors heretofore described

Subdivision of T16 S R7 E

continued

At my point of intersection I set a sand stone 14x 8x5 ins 9 ins in the ground for closing cor of secs. 18 and 19 marked C.C. on E, with 3 grooves on S and N faces: from which
An aspen 5 ins diam. bears N36° E 8 lks dist. marked T16 S, R7 E, S, 18 B.T.
An aspen 5 ins diam. bears S72° E, 12 lks, dist. marked T16 S, R7 E, S, 19 B.T.
I destroyed the sec cor previously set
Land Mountainous
Soil stony 4th rate
Timber pine and aspen on 43.97 chs
Mountainous land on 51.47 chs,
July 26 79 00 At this cor I set off 19°26' N on the decl. arc: and at 12h 00m a.m. l.m.t. observe the sun on the meridian the resulting Lat. is 39°25' N

No 03 W. bet secs 17 and 18
Over mountainous land through dense aspens timber Descend abruptly
21.00 Bottom of cañon drains N.E. leave dense timber enter scattering pine and aspens Ascend
28.00 Point of spur projects E. Descend
40.00 Set a sand stone 20x8x4 ins 15 ins in the ground for 1/4 secs. cor. marked 1/4 on W face: from which
An aspen 5 ins diam. bears N38° E 16 lks. dist. marked 1/4 S, 17 B.T.
An aspen 4 ins diam. bears S10° W 13 lks dist. marked 1/4 S, 18 B.T.
43.00 Bottom of Mills cañon spring branch 2 lks wide 1 in. deep drains S E Ascend
49.00 Leave timber E and W
70.00 Enter pine timber
80.00 Set a sand stone 16x10x5 ins 11 ins in the

Chains

ground for cor. of secs. 7, 8, 17 and 18 marked with 4 notches on S and 5 notches on E edges: from which
A pine 14 ins diam. bears N 55° W 39 lks dist.
Marked T16 S R7 E S 7 B T
A pine 4 ins diam. bears S 50° W 39 lks dist.
Marked T16 S R7 E S 18 B T
A pine 4 ins diam. bears S 45° E 8 lks dist.
Marked T16 S R7 E S 17 B T
A pine 10 ins diam. bears N 74° E 61 lks dist.
Marked T16 S R7 E S 8 B T
Land mountainous
Soil stony 3rd rate
Timber Aspens on 49.00 chs. Pine on 38.00 chs.
Mountainous land on 80.00 chs.

S 89° 55' E on a random line bet secs 8 and 17
40.00 Set a temp 1/4 sec. cor.
80.00 Intersect the N and S line 12 lks. S of cor. of secs. 8 9 16 and 17
Thence I run
West on a true line bet secs 8 and 17
Over mountainous land through scattering scrub cedars and pine. Ascend
40.00 Set a sand stone 16 x 14 x 5 ins, 11 ins in the ground for 1/4 secs cor marked 1/4 on N face: and raise a mound of stone 2 ft base 1 1/2 ft high N of cor. Pits impracticable
No trees suitable for bearing objects
45.00 Top of ridge bears N.W. and S.E. Descend abruptly, leave cedars enter pine timber
80.00 The cor. of secs. 7, 8, 17, and 18
Land mountainous
Soil stony 3rd rates
Timber pine on 35 chs. Cedars and pine on pine on 45.00 chs
Mountainous land on 80.00 chs.

Knowing from previous survey of the E bdy of T16S R6E which is also the W bdy of this Tp, that a closing cor would be necessary for secs 7 and 18 I run
West on true line bet secs 7 and 18
Over mountainous land through pine timber Descend
4.00 Small draw drains S 10° W, leave timber N and S Ascend abruptly over broken ledges
5.54 Point of ledge 150 ft high projects S Descend abruptly enter scattering mahogany brush
27.00 Bottom of draw drains S Ascend
40.00 Set a sand stone 18 x 10 x 3 ins 12 ins in the ground for 1/4 sec cor marked 1/4 on N face and raise a mound of stone 2 ft base 1½ ft high N of cor, Pits impracticable
51.60 Intersect the W bdy 4.49 chs N of cor of secs 7 and 18 and 6.66 chs N of the closing cor of secs 12 and 13. At my point of intersection I set a sand stone 16 x 16 x 6 ins 11 ins in the ground for closing cor of secs 7 and 18 marked C.C. on E with 4 grooves on S and 2 grooves on N faces and raise a mound of stone 2 ft base 1½ ft high E of cor, Pits impracticable I destroyed the secs cor previously set
Land mountainous
Soil rocky & the same
Timber pine on 1.00 chs
Mountainous land on 51.60 chs,
July 26-1900

July 27-1900 8 am 00 a, m, l, m, t, I set off 39° 26' N on the Lat, arc, 19° 15' N on the dec, arc, and determine a true meridian with the solar at the cor of secs 7, 8, 17, and 18
Thence I run
N. 0° 03 W. bet secs. 7 and 8
Over mountainous land through pine timber
Ascend abruptly

Subdivision of T16S R7E

Continued

Chains	
5.00	Bottom of small draw drains S W continue ascending abruptly
12.00	Leave pine timber
22.00	Spur projects S 15° W Continue Ascending
34.00	Top of ridge bears N. W. and S. E.
37.00	Junction of ridge and spur enter aspen timber
40.00	Top of spur projects N E Descend abruptly
	Set a sand stone 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 53° W 19 lks. dist. marked 1/4 S 7 B.T.
	An aspen 6 ins diam. bears S 46° E 6 lks. dist. marked 1/4 S 8 B.T.
45.00	Leave aspens enter pine about half dead
80.00	Set a sand stone 16 x 12 x 4 ins 11 ins in the ground for cor. of secs. 5 6 7 and 8 marked with 5 notches on S and E edges: from which
	A pine 8 ins diam. bears S 41° W 56 lks dist. marked T 16 S. R 7 E. S. 7 B.T.
	A pine 12 ins diam. bears N 40° E 85 lks. dist. marked T 16 S. R. 7 E. S. 5 B.T.
	Trees on secs 6 and 8 all dead not suitable for bearing trees therefore I raise a mound of stone 2 ft base 1½ ft high W. of cor. Pits impracticable
	Land Mountainous
	Soil stony 4th rate
	Timber pine on 47.00 chs Aspens on 8.00 chs. Mountainous land on 8 0.00 chs.

	East on a random line bet secs 5 and 8
40.00	Set a stump 1/4 sec. cor.
80.05	Intersect N and S line at the cor. of secs. 4, 5, 8 and 9
	Thence I run
	West on astro line secs 5 and 8
	Over mountainous land through small

Chains		continued
	aspens Ascend rapidly	
30.00	Leave aspen N and S enter scattering pine timber	
40.03	Set a sand stone 16 x 14 x 6 ins 11 ins in the ground for 1/4 sec. cor. marked 1/4 on N. face; and raise a mound of stone 2 ft base 1 1/2 ft high N of cor. Pits impracticable No trees with limits	
61.00	Top of spur projects N Descend abruptly	
77.00	Bottom of draw spring branch 2 lks wide 2 ins deep drains N Ascend abruptly through dead pine timber	
80.05	The cor. of secs. 5.6.7 and 8 Land Mountainous Soil stony 4th rate Timber pine 47.00 chs Aspens on 30.00 chs. Mountainous land on 80.05 chs.	

Knowing from previous survey of the E. bdy of T16 S. R.6 E. which also the W bdy. of this Tp. that a closing cor. for secs. 6 and 7 would be necessary I run West on a true line bet secs 6 and 7 Over mountainous land through scattering pine timber Ascend abruptly

15.00	Top of spur projects N. Descend abruptly
40.00	Set a sand stone 16 x 10 x 5 ins 11 ins in the ground for 1/4 sec. cor. marked 1/4 on N. face; and raise a mound of stone 2 ft base 1 1/2 ft high N. of cor. Pits impracticable No trees within limits
47.00	Bottom of draw spring branch 2 lks. wide 2 ins deep drains N.E. Ascend
51.80	Intersect the W bdy. 4.80 chs N of cor. of secs. 6 and 7 and 6.97 chs N of the closing cor. of secs. 1 and 12 T16 S. R.6 E. both cors. heretofore described. At my point of intersection I set a sand stone 16 x 10 x 4 ins 11 ins in the ground for closing cor. of secs 6 and 7

marked C.C. on E, with 5 groove on S and 1 groove on N, faces; And raise a mound of stone 2 ft base, 1½ ft high E on Cor.
Pit impracticable
No trees suitable to mark as bearing trees
I destroyed the secs cor previously set
Land mountainous
Soil stony 4th rate
Timber scattering pine on 51.80 chs
Mountainous land on 57.80 chs

No 03 W on a true line bet secs. 5 and 6
Over mountainous land through pine timber Descend
25.00 Leave pine enter aspen timber E and W
38.50 Bottom of Crandal canon spring branch 8 lks wide 4 ins deep drains E Ascend abruptly
39.50 Leave timber E, and W.
40.00 Set a sand stone 18x10x3 ins 12 ins in the ground for ¼ secs cor. marked ¼ on W face; from which
An aspen 6 ins diam. bears S 5° W. 80 lks dist marked ¼ S, 6 B, T.
An aspen 6 ins diam bears S 85° E, 163 lks dist. Marked ¼ S 5 B, T.
78.80 Intersect the 3rd Standard Parallel S, at the Standard cor, of secs, 31 and 32. T 15 S, R 7 E.
heretofore described
Land mountainous
Soil stony 3rd rate
Timber pine on 25.00 chs Aspens on 14.50 chs,
Mountainous land on 78.80
July 27 - 1900

James C Dick
MS Dep Surveyor

Subdivision of T16S R7E continued

General description

This township consists for the most part of rough and rugged mountainous land separated by precipitous Canons the only portion suitable for farming purposes is found in Secs. 35 and 36. Good grazing is found in the NE part of the township which furnishes feed for cattle and sheep pasture in this vicinity during the summer months.

Timber is found throughout the township and consists of pine aspen and cedar. The timber found in the western part of the township is suitable for milling purposes.

Water is found in Huntington river which flows through the township from N.W. to S.E., and in scattering springs throughout the township.

The indications of coal are sufficient to warrant returning as coal land the following Secs. 3, 4, 5, 6, 7, 8, 9, 10, 13, 14, 15, 16, 17, 18, 19, 20, 21, 27, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, and 34

There are no other minerals in the township.

There is a coal prospect in the NW 1/4 of Sec 25 claimed and being developed by Dan Robins

Dan Palmer has a ranch in N half of Sec 35 and has under cultivation about 30 acres having made about $300.00 worth of improvements in the way of buildings and corrals.

J.W. Bradley has a ranch in the S half of Sec 36 and farms about 35 acres having made about $250.00 worth of improvement in the way of building etc.

I could find no trace of any bonds

Subdivision of T16 S R7 E continued

owned by John A Scott applicant for survey

James O Dick
MS Dep Surveyor

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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

.....

.....

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 t...
..... day of ....., 189 , I have well, faithfully, and truly, in my ow...
proper person, and in strict conformity with the instructions furnished by the United States Survey...
General for ....., the Manual of Surveying Instructions, and the laws of t...
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 ...
the foregoing are the original field notes of such survey; and should any fraud be detected, I will su...
the penalty of perjury under the provisions of an Act of Congress approved August 8, 1846.

For final affidavit see book 27 - 115 S. R. 5 E.

.....
United States Deputy Surv...

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, November 2 19...

The foregoing field notes of the survey of the subdivisions of Township 16 South Range 7 East of the Salt Lake Base and Meridian, Utah

executed by James C. Dick
under his contract No. 233, dated November 24, 1899, havi...
critically examined, and the necessary corrections and explanations made, the said field notes, ...
surveys they describe, are hereby approved.

Edward H. Anderson
United States Surveyor G...

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

.....
United States Surveyor

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BOOK A-275

FIELD NOTES

OF THE SURVEY OF THE

West and North

Boundary

of

T15S R7E

Of the Salt Lake Base and Meridian,

State of Utah

AS SURVEYED BY

James C Dick, United States Deputy Surveyor,

Under his Contract No. 233, dated November 24th, 1899

Survey commenced July 27 1900, ~~189~~

Survey completed July 29 1900, ~~189~~

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W Bdry Light 5-65-45 ✓
Dwg 7-50 ✓
N Bdry Light 6-10-00 ✓
Dwg 31-50 ✓

11-75.45
34.40

NAMES AND DUTIES OF ASSISTANTS.

Earnest Toone	Chainman
Oliver C London	Chainman
Jay Morrison	Moundman
David H Wood	Axman
Harry A Rager	Flagman

For preliminary affidavits see Cork D. Fr 17 S. R 8 E.

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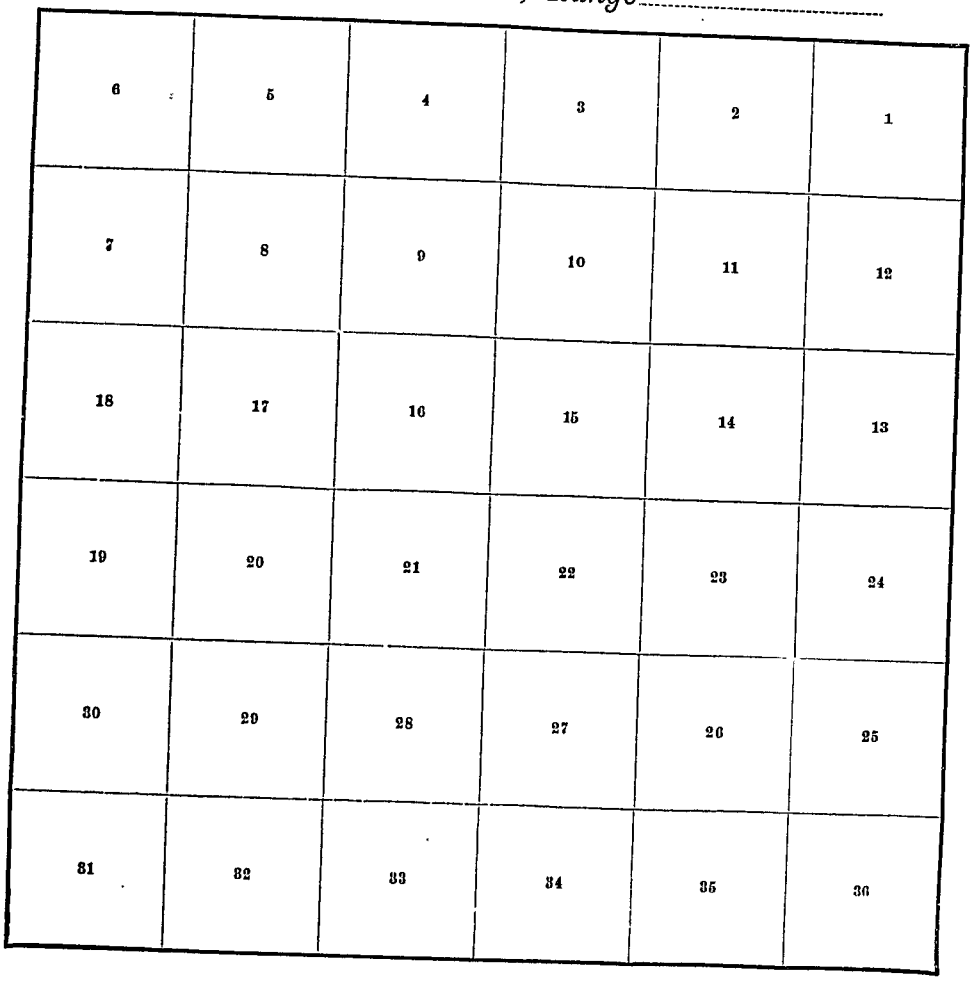
BOOK A-275

INDEX DIAGRAM.

*Township*_____, *Range*_____



*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

_____

_____

West bdy of T15 S R 7 E

Survey commence July 27—1900 and executed with a Buff and Burger light mountain transit with solar attachments for a description of which see book L.

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

July 27 1900 At my Camp located about 2 miles E. of the old Standard cor. of Ts 15 S Rs 6 and 7 E. I set a stake 4 ins square 20 ins long 14 ins in the ground: latitude 39°28' N longitude 111°11' W. At 4h 00m p.m. l.m.t. I set off 39°28' N on the lat arc: 19°11' N on the decl. arc and determine with the solar a true meridian and mark a point thereof on a stone set firmly in the ground 5.00 chs N. of my station At 11h 06m p.m. l.m.t. I observe Polaris at eastern elongation in accordance with Manual of instructions and mark a point on the line thus determined on a plug driven in the ground 5.00 chs. N of my station

July 27—1900

July 28 — 1900 At 6h 30m a.m. l.m.t. I lay off the azimuth of Polaris 1°35' to the west and mark the true meridian thus determined by cutting a small groove in the stone set July 27 on which the true meridian falls 0.3 ins west of the mark determine by the solar. At 7h 00m a.m. l.m.t. I set off 39°28' N on the lat. arc: 19°02' N on the decl. arc: and mark a point in the true meridian determine with the solar by a cross on the stone already set 5.00 chs. N of my station: this mark falls 0.25 ins west of the true meridian established by the Polaris observation

The solar apparatus by p.m. and a.m. observations defines positions for true meridian respectively about 0'.16" east and 0'13" west of the true meridian established by the Polaris observations; therefore I conclude the adjustment of the instrument are satisfactory.
The magnetic bearing of the true meridian at 7h 00m a.m. l.m.t. is N16 04 W.; the angle thus determined reduced by the table, page 100 gives the mean mag. decl. 15° 58' E
July 28-1900 At 8h 00m a.m. l.m.t. I set off 39° 28' N on the Lat. arc; 19° 01' N on the decl. arc and determine a true meridian with the solar at the Standard cor. of Tps 15 S Rs 6, and 7 E, heretofore described
Thence I run
North on a random line on W. bdy of T. 15 S. R. 7 E. setting temp. 1/4 sec and secs cors. at intervals of 40.00 and 80.00 chs respectively and at 465.45 chs intersect the N. bdy 7.30 chs E of the old Tp. cor. of Tps. 14 and 15 S. Rs. 6 and 7 E. which is a sand stone 14x12x12 ins above ground marked and witnessed as described by the Surveyor General this falling exceeds the limits prescribed in the manual of instruction therefore from the above described Tp. cor. I run
South on a true line bet secs 1 and 6
Over mountainous land through aspen timber and underbrush Descend abruptly
22.00 Spring runs E Ascend
23.00 Road bears E. and W.
24.00 Lumber Mill owner unknown
25.45 Set a sand stone 20x12x6 ins 15 ins in the ground for 1/4 sec cor marked 1/4 on W. face; from which
An aspen 10 ins diam. bears S. 72° W. 157 lks dist. marked 1/4 S. 1 B. T.
An aspen 12 ins diam. bears S 57 E 195 lks dist. marked 1/4 S 6 B T

West bdy of T15S R7E continued

chains	
27.00	Enter dense pine timber
30.00	Bottom of gulch drains N.W. Ascend abruptly
45.00	Road to mill bears N.W. and S.E. leave aspens
65.45	Set a sandstone 18x12x12 ins 12 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; from which A pine 6 ins diam bears N.46°W. 12 lks. dist. marked T.15 S. R.6 E. S.1 B.T. A pine 5 ins diam bears N58 E 26 lks. dist. marked T.15 S. R.7 E. S.6 B.T. A pine 12 ins diam. bears S52 E 69 lks. dist. marked T.15 S. R.7 E. S.7 B.T. A pine 5 ins. diam. bears S71W 18 lks. dist. marked T.15 S. R.6 E. S.12 B.T. Land mountainous Soil stony 3rd rate Timber pine on 38.45 chs Aspens on 45.00 chs Mountainous land on 65.45 chs July 28 – 1900 At this cor I set off 18°59' N on the decl. arc, and at 12h00m a.m. l.m.t. observe the sun on the meridian the resulting Lat. is 39°32' N.
	South on a true line bet secs 7 and 12. Over mountainous land through dense pine timber Ascend Abruptly
27.75	Top of ridge bears N.W. and S.E. Leave timber Descend abruptly
32.00	Enter small aspens
40.00	Set a sand stone 18x10x4 ins 12 ins in the ground for 1/4 sec. cor. marked 1/4 on W face; and raise a mound of stone 2 ft. base 1/12 ft. high W. of cor. Pits impracticable This cor. is located in dense small aspens
79.00	Enter scattering pine timber
80.00	Set a sand stone 16x12x4 ins 11 ins in the ground for cor. of secs 7 12 13 and 18 marked with

chains	
	2 notches on N and 4 notches on E edges from which An aspen 4 ins diam. bears N 45 W 14 lks dist. marked T.15 S R.6 E. S 12 B.T. An aspen 4 ins diam. bears S 33 W 27 lks. dist. marked T15 S R 6 E S 13 B.T. A pine 8 ins diam. bears S 54 E 64 lks dist. marked T.15 S. R.7 E. 18 B.T. No trees on sec 7 suitable for bearing tree therefore I raise a mound of stone 2 ft base 1½ ft high W. of Cor. Pits impracticable Land mountainous Said along 8th rate Timber pine on 28.75 chs Aspen on 48.00 chs Mountainous land on 80.00 chs
	South on a true line bet secs 13 and 18 Over mountainous land through aspen timber Descend
11.00	Head of draw drains S.W. Continue descending
15.00	Top of spur projects S.W. Descend abruptly
34.00	Commence descend ledges leave timber
39.00	Bottom of ledges
40.00	Marked a sand rock in place 4 x 4 x 2 ft above ground on which I cut a cross (X) at the exact cor. point for 14 sec. cor. marked 14 on W side of cross: and I raise a mound of stone 2 ft base 1½ ft high W. of Cor. Pits impracticable
41.00	Bottom of draw drains S.W. Ascend
48.00	Low spur projects S.W. Descend
58.00	Left fork of Huntington River 40 lks wide 12 ins deep drains S.E. enter dense pine and aspen timber Ascend abruptly
80.00	Set a sand stone 16 x 8 x 6 ins 11 ins in the ground for cor. of secs 13 18 19 and 24 marked with 3 notches on N and E edges

West bdy of T15S R7E continued

chains

from which
An aspen 8 ins diam, bears N.64° E, 22 lks, dist,
Marked T,15 S, R, 7 E, S/18 B,T,
An aspen 6 ins diam, bears N,70° E, 30 lks, dist,
Marked T,15 S, R, 7 E, S/19 B,T,
An aspen 4 ins diam bears S,65° W, 44 lks, dist,
Marked T,15 S, R, 6 E, S,24 B,T,
An aspen 4 ins diam, bears N,52° W, 19 lks, dist,
Marked T,15 S, R, 6 E, S,13 B, T,
Land mountainous
Soil rocky 4th rate
Timber Aspens on 56,00 chs Pine on 22,00 chs
Mountainous land on 80,00 chs,

Soutte on a true line bet, secs, 19 and 24
Over mountainous land through Aspen
and pine timber Ascend
27,00 Bottom of draw drains N E Ascend abruptly
44,00 Set a sand stone 18X10X3 ins 12 ins in the
ground 14 secs cor, Marked 14/ on W face;
from which
An aspen 8 ins diam, bears N,47° E, 6 lks, dist,
Marked 14 S/19 B,T,
An aspen 6 ins diam, N,26° W 26 lks, dist,
Marked 14 S,24 B,T,
61,00 Top of ridge, bears E, and W, heavy timber
Descend abruptly
63,00 Enter aspen timber
80,00 Set a sand stone 20X10X4 ins 15 ins in the
ground for cor of secs 19, 24, 25 and 30
marked with 4 notches on N and 2 notches
on E edges; from which
An aspen 4 ins diam, bears S,67° E, 12 lks, dist,
Marked T,15 S, R, 7 E, S,30 B,T,
An aspen 4 ins diam, bears N,66 E 22 lks, dist,
Marked T,15 S, R, 7 E, S,19, B,T,
An aspen 4 ins diam, bears S,86 W, 10 lks, dist,
Marked T,15 S, R, 6 E, 25 B,T,

An aspen 4 ins diam bears N36°W 7 lks dist.
Marked T15S R6E S24 B.T.
Land mountainous
Soil stony 3rd rate
Timber Aspen on 78.00 chs Pine 61.00 chs
Mountainous land on 80.00 chs.

South on a true line bet secs 25 and 30
Over mountainous land through aspen
timber Descend abruptly
17.00 Bottom of draw draining N80°E Ascend
abruptly
40.00 Set a sand stone 18X12X8 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 N74°W 10 lks dist.
Marked 1/4 S 25 B.T.
An aspen 6 ins diam bears N61°E 20 lks dist
Marked 1/4 S 30 B.T.
48.00 Spur projects N.E. Descend abruptly
76.00 Bottom of gulch draining N.E. Ascend also
bears pine timber.
80.00 A pine 14 ins diam for cor of secs 25, 30, 31 and
36 I marked
T15S S30 on NE
R7E S31 on SE
S36 on SW and
R6E S25 on NW sides with 6 notches on N and
1 notch on S sides from which
A pine 12 ins diam bears N41°E 16 lks dist.
Marked T15S R7E S30 B.T.
A pine 6 ins diam bears N71°W 16 lks dist.
Marked T15S R6E S25 B.T.
A pine 10 ins diam bears S34°E 31 lks dist.
Marked T15S R7E S31 B.T.
A pine 14 ins diam bears S4°W 35 lks dist.
Marked T15S R6E S36 B.T.
Land mountainous

Chains

West bdy. of T15S R7E continued

Soil Rocky 4th rate
Timber aspen on 80.00 chs, Pine on 4,00 chs
Mountainous land on 8400 chs,

South on a true line bet secs. 31 and 36
Over mountainous land through pine timber Ascend
8.00 Leave pine Enter aspen timber
11.00 Top of ridge bears N.E. and S.W. Descend,
32.40 Bottom of canon spring branch 1 lks wide drains N.E. Ascend also enter pines
40.00 Set a sand stone 16x14x12 ins 12 ins in the ground for 1/4 sec. cor. marked 1/4 on N. face, from which
Aspen 12 ins diam. bears E. 27 lks. dist. marked 1/4 S 31 B.T.
Aspen 6 ins diam. bears W. 16 lks dist. marked 1/4 S 36 B.T.
65.00 Leave timber
66.00 Top of ridge bears E. and W. Descend abruptly, also enter dense aspens
80.00 Intersect the Third Standard Parallel south 7.80 chs W. of the old Standard cor. Tps. 15 S. Rs. 6. and 7 E, and 39.18 chs W. of the closing cor. of Tps 16 S Rs 6 and 7 E both cors. heretofore described. At my point of intersection I set a sand stone 16x16x3 ins 10 ins in the ground for closing cor. of Tps 15 S. Rs 6 and 7 E, marked S. C. C. C. 15 S. on N. 6 E. on W. and 7 E. on E. with 6 grooves on N. E. and W. faces; from which
Pine aspen 8 ins diam. bears N. 47° E. 17 lks. dist. marked T15S R7E S31 B.T.
Pine aspen 6 ins diam. bears N. 69° W. 11 lks. dist. marked T15S R6E S36 B.T.
I destroyed all marks on Standard Tp. cor. pertaining to Tps 15 S Rs 6 and 7 E.
Land Mountainous
Soil stony 3rd rate

W. bdy of T.15 S. R.7 E. continued

Timber Aspens on 69.00 chs pines on 41.00 chs.
Mountainous land on 80.00 chs.

For the general description see notes of the subdivision of this township

James C. Dick
Mus Dep Surveyor

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North bdy. of T.15 S. R.7 E.

chains

Survey commenced July 29-1900 and executed with a Buff and Burger light mountainous transit with solar attachment for a description of which see Book P.

For a complete test of the solar apparatus see notes of the survey of the W. bdy. of this township July 29 — 1900 At 8h 00m a.m. l.m.t. I set off 39° 33' N on the Lat. arc 18° 47' N on the decl. arc; and determine a true meridian with the solar at the cor. of Tps 14 and 15 S Rs 7 and 8 E. established by me May 18 — 1900

Thence I run

West on a random line N bdy of T15 S R7 E setting temp 1/4 sec and sec. cors. at intervals of 40.00 and 80.00 chs respectively and at 490.00 chs intersect the range line bet Rs 6 and 7 E 31.50 chs N of the Tp cor. of Tps. 14 and 15 S. Rs 6 and 7 E. heretofore described this falling exceed the limits prescribed by the manual of instruction; therefore at my point of intersection I set a sand stone 20 x 12 x 4 ins 15 ins in the ground for closing cor of Tps 14 and 15 S. R. 7 E. marked C.C. 7 E on E. 14 S. on N. 15 S. on S. with 6 grooves on N. S. and E. faces from which

An aspen 8 ins diam. bears N 18° E. 23 lks. dist. marked T.14 S. R. 7 E. S. 31 B.T.

An aspen 6 ins diam. bears S 53 E 9 lks. dist. marked T.15 S R. 7 E S. 6 B.T.

I destroyed all marks on old Tps. cor pertaining to R. 7 E.

Thence I run

East on a true line bet secs 6 and 31

Over mountainous land through Aspen and pine timber Ascend along N. slope

19.50 Top of spur projects N. E. leave pine timber

Descend abruptly

49.50 Small draw drains N E Continue descending

50.00 Marked a rock in place 4 x 3 x 1 ft above ground on which I cut a cross (x) at

chains	
	the exact cor. point for 1/4 sec. cor. I marked 1/4 on N. side of cross: from which
	A pine 6 ins diam. bears S 32° W 19 lks. dist.
	marked 114 S.6 B.T.
	A pine 6 ins. diam. bears N 50 E 21 lks. dist.
	marked 114 S.31 B.T.
69.00	Enter bottom of Huntington Cañon
71.50	Huntington River 40 lks wide 12 ins deep drains S.E. Ascend
74.50	Road bears N W and S E leave bottom
79.50	Leave aspens Ascend abruptly
89.00	Enter pine timber
90.00	Set a sand stone 18 x 10 x 8 ins 12 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
	A pine 18 ins diam. bears N 20° W 33 lks. dist.
	marked T14 S R7 E S31 B.T.
	A pine 12 ins diam. bears S 25 W 93 lks. dist.
	marked T15 S.R.7 E. S.6 B.T.
	A pine 12 ins diam. bears S 24 E 144 lks. dist.
	marked T15 S.R.7 E. S.5 B.T.
	No trees on sec. 32 within limits therefore I 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 Aspens on 79.50 chs Pine on 20.50 chs.
	Mountainous land on 90.00 chs.
	July 29 - 1900 At this cor. I set off 18° 45' N on the decl. arc: and at 12h 00m m.l.m.l. observe the sun on the meridian the resulting Lat. is 39° 33' N
	East on a true line bet secs 5 and 32
	Over mountainous land through pine timber
	Ascend abruptly
1.50	Commence ascend ledge 100 ft high bears N W and S E

North bdy of T15S R7E

continued.

2,00	Top of ridge ascend abruptly
16,00	Enter aspen leave pine timber N and S,
17,00	Top of spur projects N W enter pine timber continue ascending
40,00	Set a sand stone 16x10x6 ins 11 ins in the ground for 1/4 sec. cor. marked 1/4 on N face; from which
	An aspen 8 ins diam. bears S 28 lks dist, marked 1/4 S, 5 B, T,
	An aspen 8 ins diam. bears N. 34 W. 17 lks, dist, marked 1/4 S 32 B, T,
71,00	Leave pine timber N and S
73,00	Top of ridge bears N and S enter scattering aspen Descend abruptly
80,00	Set a sand stone 16x12x10 ins 11 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; from which
	An aspen 8 ins diam. bears S 53 E 57 lks dist, marked T, 15 S, R, 7 E, S 4 B, T,
	An aspen 8 ins diam. bears S 6 W 70 lks dist, marked T, 15 S R 7 E, S, 5 B, T,
	An aspen 6 ins diam. bears N 48 W 37 lks, dist, marked T, 14 S, R, 7 E, 32 B, T,
	An aspen 7 ins diam. bears N 52 E 54 lks, dist, marked T 14 S R 7 E 33 B, T,
	Land mountainous
	Soil stony 3rd rate
	Timber Aspen on 72,00 chs Pine on 6,00 chs
	Mountainous land on 80,00 chs,

East on a true line bet, secs, 4 and 33
Over mountainous land through aspen timber Descend

1,00	Spring bears N 100 chs dist, enter pine timber
3,50	Bottom of draw drains S leave pines Ascend
29,00	Top of ridge bears N and S. leave aspen timber Descend abruptly along N. slope

Chains	
39.00	Enter pine timber
40.00	Set a sand stone 16 x 10 x 6 ins 11 ins in the ground for 1/4 sec. cor. marked 1/4 on N face; from which A pine 14 ins diam. bears S 63 E 55 lks dist. marked 1/4 S.4 B.T. A pine 13 ins diam. bears N 20 E 164 lks dist. marked 1/4 S.33 B.T. Ascend gently
50.00	Top of spur projects N E Descend abruptly
72.00	Leave aspen enter underbrush
80.00	Set a sand stone 18 x 10 x 4 ins 12 ins in the ground for cor. of secs 3.4.33 and 34 marked with 3 notches on E and W edges; and raise a mound of stone 2 ft base 1/2 ft high W. of cor. Pits impracticable
	Land Mountainous
	Soil stony 3rd rate
	Timber Aspens on 29.00 chs Pine 34.00 chs Mountainous land on 80.00 chs
	East on a true line bet. secs 3 and 34 Over mountainous land through dense underbrush Descend abruptly
14.00	Point of spur projects S E enter aspen timber Descend abruptly
28.00	Bottom of Nuc Woodard Cañon spring branch 5 lks wide 3 ins deep drains S Ascend abruptly also leave timber scattering small aspen
40.00	Set a sand stone 16 x 12 x 4 ins 11 ins in the ground for 1/4 sec. cor. marked 1/4 on N face, and raise a mound of stone 2 ft base 1 1/2 ft high N of cor. Pits impracticable
54.00	Leave aspens N. and S.
77.50	Top of ridge bears N 20 W. and S.E. Descend abruptly
80.00	Marked a rock in place 2 x 2 x 1 ft above ground on which I cut a cross (x) at the exact cor. point for cor. of secs. 2,3,34 and 35 marked 2 notches on E. and 4 notches on W. sides:

Chains	
	and raise a mound of stone 2 ft base 1½ ft high W. of cor. Pits impracticable Land mountainous Soil stony 3rd rate Timber aspen 40,00 lks Mountainous land on 80,00 lks
	East on a true line bet secs 2 and 35 Over mountainous land Descend abruptly
3.00	Enter aspen timber
8.00	Head of draw drains NE Descend gently also enter pine timber
17.00	Leave pine timber N. and S.
18.00	Top of spur projects NE Descend abruptly
20.00	Leave timber enter young aspen
40.00	Set a stone stone 16x10x4 ins 11 ins in the ground for 1/16 sec. cor. marked 1/4 on N face, and raise a mound of stone 2 ft base 1½ ft, high N. of cor. Pits impracticable Timber small not suitable for bearing trees
43.00	Bottom of draw drains N. E. enter pine and aspen timber Ascend abruptly
48.00	Top of spur projects N 20° E Descend
66.00	Bottom of draw drains NE Ascend
77.50	Top of spur projects NE Descend
80.00	Set a stone stone 16x10x4 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 ins diam bears N12E 15 lks. dist, marked T14S, R7E S,36 B,T. An aspen 4 ins diam. bears N70W 19 lks dist, marked T14S, R7E, S,35 B,T. An aspen 5 ins diam. bears S48E 15 lks dist, marked T15S. R7E. S.1 B,T. An aspen 4 ins diam. bears S9W 19 lks. dist, marked T15S R7E S,2 B,T.

North bdy of T15S R 7 E. Continued

chains	
	Land mountainous
	Soil stony 3rd rate
	Timber Aspen on 54.00 chs Pinon 49.00 chs,
	Mountainous land on 8.00 chs
	East on a true line bet secs. 1 and 36
	Over mountainous land through aspen timber
	Descend
16.00	Enter scattering pine timber
25.50	Bottom of gulch drains N Ascend abruptly
40.00	Set a sand stone 18 X 12 X 7 ins 12 ins in ground
	for W. Sec. cor. Marked W on N face, from which,
	A pine 6 ins diam bears N 45 E 21 lks, dist.
	Marked W S, 36 B, T,
	An aspen 4 ins diam, bears S 38 W 43 lks, dist.
	Marked W S, 1 B, T,
45.00	Common ascend broken ledge bears N and S
53.50	Top of spur - prospects N Descend abruptly
60.00	Leave timber - enter oak brush
73.00	Enter aspen and pine leave oak brush
80.00	The cor. of Tps 14 and 15 S Rs 7 and 8 E.
	heretofore described
	Land mountainous
	Soil rocky 4th rate
	Timber Aspen on 60.00 chs Pinon on 44.00 chs,
	Mountainous land and dense undergrowth on
	6.00 chs.

July 29-1907

Line designated	True Bearing	Distance	Latitudes N chs.	Latitudes S chs.	Departures E chs.	Departures W chs.
West bdy. T15S. R.7E.	South	496.95		496.95		
3rd. standard Parallel S.	East	490.78			490.78	
East bdy. T15S. R.7E.	North	495.72	495.72			
North bdy. T15S. R.7E.	West	490.00				490.00
Convergency						.59
Totals			495.72	496.95	490.78	490.59
				495.72	490.59	
Error in Lat				1.23	.19	Error in Dep.

For the general description see the note of the subdivision of this township

James C. Dick U. S. Dep. Surv.

Chains North bdy of T15 S R7E continued

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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 or some parts or portions of the .....

.....

.....

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

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

.....

.....

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL.

Salt Lake City, Utah, November ...

The foregoing field notes of the survey of The West and South Boundaries of Township 15 South Range 7 East of the Salt Lake Base Meridian, Utah.

.....

.....

.....

executed by James G. Dick

under his contract No. 233, dated November 24, 1899, having critically examined, and the necessary corrections and explanations made, the said field notes, and surveys they describe, are hereby approved.

Edward H. Anderson

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-275

FIELD NOTES

OF THE SURVEY OF THE

Subdivision

of

T15S R7E

Of the Salt Lake Base and Meridian,

State of Utah

AS SURVEYED BY

James C. Dick, United States Deputy Surveyor;

Under his Contract No. [illegible], dated November 24, 1899

Survey commenced July 30, 1900, ~~189~~

Survey completed August 2, 1900, ~~189~~

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NAMES AND DUTIES OF ASSISTANTS.

Earnest Toone	Chainman
Oliver C London	Chainman
Jay Morrison	Moundman
David H Wood	Axman
Harry A Rager	Flagman

For preliminary affidavits see book "E" Tp 17 S. R 8 E

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Volume

#

R0275

BOOK A-275

INDEX DIAGRAM.

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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, _____ and

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

_____

_____, *Chai...*

_____, *Chain*

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 esta[illegible] of corners, according to the instructions given us, to the best of our skill and ability, in the su[illegible]

_____

_____, *Moun*

_____, *Moun*

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 and other duties, according to instructions given us, to the best of our skill and ability, in the su[illegible]

_____

_____, *A*

_____,

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

_____

SEAL

_____

I, _____, do solemnly swear that I will well a[illegible] perform the duties of flagman according to instructions given me, to the best of my skill and abil[illegible] survey of _____

_____, *Fl*

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

_____

SEAL

_____

Subdivision of T15 S R7 E

Chains	
	Subdivision commence July 30 1900 and executed with a Buff and Burger light mountain transit for a discription of which see book P
	For a complete test of the solar apparatus see book Z
	July 30-1900 At 8h 00m a.m. l.ngt. I set off 39°28' N on the lat. arc 18°33' N on the decl. and determine a true meridian with the solar At the the Standard cor. of secs. 1, 2, 35 and 36 on S. bdy. of Tp heretofore described
	Thence I run
	N 0 1 W. bet secs. 35 and 36
	Over mountainous land through dense pine timber and underbrush. Descend
13.00	Bottom of draw drains N.W. Ascend
27.00	Leave pine timber enter aspen N.W. and S.E.
30.00	Top of spur projects N.W. also enter scattering pine. Descend
40.00	An aspen 6 ins diam. for 1/4 sec. cor. I marked 1/4 S 35 on W side 36 on E side from which
	An aspen 6 ins diam. bears W 22 lks dist. marked 1/4 S 35 B.T.
	An aspen 12 ins diam. bears S 84 E 14 lks dist. marked 1/4 S 36 B.T.
71.00	Bottom of Tie fork canon spring branch 2 lks wide 2 ins deep drains S.W. also leave pine timber. Ascend rapidly
80.00	Set a sand stone 16 x 15 x 4 ins 11 ins. in the ground for cor. of secs. 25, 26 35 and 36 marked with 1 notch on S and E edges from which
	An aspen 6 ins diam. bears S 56 E 33 lks dist marked T15 S, R7 E S, 36 B.T.
	An aspen 6 ins diam. bears S 55 W 58 lks dist. marked T15 S, R7 E S, 35 B.T.
	An aspen 4 ins diam bears N 20 E 29 lks dist marked T15 S R7 E 25 B.T.
	No trees on sec 26 suitable for bearing trees I therefore raised a mound of stone 2 ft base

Chains	
	1½ ft high W of cor. Pits impracticable Land mountainous Soil stony 3rd rate Timber pine on 68.00 chs Aspen on 53.00 chs Mountainous land and dense undergrowth on 80.00 chs.
	East on a random line bet secs 25 and 36
40.00	Set a temp ¼ sec. cor.
80.00	Intersect the E bdy of Tp 12.60 chs. S of the cor. of secs 25.30.31. and 36 heretofore described At my point of intersection I set a sand stone 18 x 8 x 6 ins 12 ins in the ground for closing cor of secs 25 and 36 Marked C.C. on W with 1 groove on S. and 5 grooves on N face; from which An aspen 6 ins diam bears S 60 W 90 lks dist, Marked T15S R7E S36 BT No trees on sec 25 within limits therefore I raise a mound of stone 2 ft base 1½ ft high W. of cor. Pits impracticable I destroyed all marks of sec cor previously set pertaining to secs 25 and 36 Thence 9 ins West on a true line bet secs 25 and 36 Over mountainous land through scatter- ing aspens and pine timber Descend
27.30	Leave timber N. and S.
44.00	Set a sand stone 20 x 8 x 6 ins 15 ins in the ground for ¼ sec. cor. marked ¼ on N face; dug pits 18 x 18 x 12 ins E and W of stone 3 ft dist. and raise a mound of earth 3½ ft base 1½ ft high W. of cor.
44.00	Enter aspen timber

Subdivision of T15S R7E continued

chains	
73.00	Bottom of Tie fork Cañon spring branch 2 lks wide 1 ins deep drains S.W. Ascend abruptly
80.00	The cor. of secs 25 26 35 and 36 Land mountainous Soil stony 3rd rate Timber pine on 27.30 Aspens on 63.30 chs Mountainous land and dense under growth on 50.00 chs
	N.60 W. bet secs 25 and 26 Over mountainous land through scattering aspen Ascend along E slope
35.00	Enter dense aspen and scattering pine
40.00	Set a sand stone 16x12x4 ins 11 ins in the ground for 1/4 sec. cor. marked 1/4 on W face; from which An aspen 4 ins diam. bears N 85 W 115 lks dist. marked 1/4 S. 26 B. T. An aspen 4 ins diam. bears S 35 E 36 lks dist. marked 1/4 S 25 B. T.
63.50	A spring 50 lks E of line
80.00	Set a sand stone 18x14x3 ins 12 ins in the ground for cor. of secs 23, 24, 25 and 26 marked with 2 notches on S and 1 notch on E edges; from which An aspen 6 ins diam. bears N 20 E 45 lks dist. marked T.15 S. R.7 E. S. 24 B. T. An aspen 8 ins diam. bears S 40 E 65 lks dist. marked T.15 S. R.7 E. S. 25 B. T. An aspen 10 ins diam. bears S 8 W 18 lks dist. marked T.15 S. R.7 E. S. 26 B. T. An aspen 10 ins diam. bears N 52 W 155 lks dist. marked T.15 S. R.7 E. S. 25 B. T. Land mountainous Soil stony 3rd rate

Chains

Timber aspens on 80.00 chs
Pine on 45.00 chs,
Mountainous land and dense
undergrowth on 80.00 chs,
July 30-1900 At this cor. I set off 18°30' N
N on the decl. arc: and at 12h 00m a.m.
l.m.t. observe the sun on the meridian
the resulting Lat. is 39°30' N

East on a random line bet secs 24 and 25
40.00 Set a temp 1/4 sec. cor.
80.05 Intersect the E bdy 12.80 chs S of cor. of secs
19 24 25 and 30 heretofore described
At my point of intersection I set a lime
stone 18x12x8 ins 12 ins in the ground
for closing cor. of secs. 24 and 25 marked
CC on W with 2 grooves on S and 4 grooves
on E faces: from which
An aspen 4 ins diam bears N 3°9' W 188 lks,
dist marked T15 S, R7 E, 24 B.T.
An aspen 4 ins diam bears S 4°9' W 67 lks,
dist. marked T15 S, R7 E, S25 B.T.
Thence I run
West on a true line bet secs 24 and 25
Over mountainous land through
scattering aspen and pine timber
Ascend gently
22.00 Top of ridge bears N and S, E.
Descend abruptly
25.00 Leave pine N and S enter dense aspen
timber
40.05 Set a sand stone 16x14x4 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 33 W 6 lks.
dist marked 1/4 S, 25 B.T.

Subdivision of T15 S R7 E continued

chains	
	An aspen 8 ins diam. bears N17E 29 lks dist. marked 1/4 S, 24 B.T.
59.50	Bottom of Tie fork cañon spring-branch 1 lk wide 1 in deep deep drains S. Ascend abruptly
80.05	The cor. of secs. 23 24 25 and 26 Land mountainous Soil stony 3rd rate Timber aspen on 80.05 Pine on 2500 chs, Mountainous land on 8005 chs,
	N0°01'W bet. secs. 23 and 24 Over mountainous land through aspens and scattering pine Ascend gradually along E. slope
34.00	Spring-branch 1 lk wide 1 in deep runs E.
40.00	Set a sand stone 16 x 6 x 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 N67½°W 11 lks dist. marked 1/4 S 23 B.T. An aspen 5 ins. diam. bears S65°E 12 lks dist. marked 1/4 S, 24 B.T.
42.25	Spring 50 lks W of line
79.00	Leave timber E. and W.
79.75	Spring-branch 1 lk wide 1 in. deep runs E.
80.00	Set a sand stone 14 x 14 x 5 ins 9 ins. in the ground for cor. of secs 13, 14, 23 and 24 marked with 3 notches on S and 1 notch on E edges; from which An aspen 4 ins diam. bears S39°E 185 lks dist. marked T15 S, R7 E, S, 24 B.T. A pine 12 ins diam. bears S58°W 152 lks dist. marked T15 S, R7 E, S, 23 B.T. A pine 4 ins diam. bears N85°W 176 lks dist. marked T15 S, R7 E, S, 14 B.T. No trees on sec 13 within limits therefore I raise a mound of stone 2 ft base 1½ ft high W. of cor. Pits impracticable

chains	
	Land mountainous Soil stony 3rd rate Timber Aspen and pine on 79.00 chs, Mountainous land on 80.00 chs.
	East on a random line bet secs 13 and 24
40.00	Set a temp 1/4 sec. cor.
79.80	Intersect the E bdy of Tp. 1272 chs S of cor. of secs, 13, 18, 19 and 24 heretofore described. At my point of intersection I marked a rock in place 4 x 3 x 2 ft above ground on which I cut a cross (x) at the exact cor point for closing cor of secs 13 and 24 I marked CC on west side of cross, and 3 grooves on S and N faces: from which An aspen 6 ins diam. bears N 44° W 68 lks. dist, marked T15S, R7E, S13 B.T. A pine 8 ins diam. bears S 48° W, 88 lks. dist, marked T15S, R7E, S24 B.T. I distroyed all marks of sec. cor. previously set pertaining to secs 13 and 24. Thence I run West on a true line bet secs. 13 and 24 Over mountainous land through pine and aspen timber Ascend abruptly
17.00	Leave pine timber N and S.
21.80	Top of Ridge bears N and S Descend abruptly
30.00	Leave aspen N, and S,
39.90	Set a sand stone 18 x 12 x 3 ins 12 ins in the ground for 1/4 sec cor. marked 1/4 on N face; and raise a mound of stone 2 ft base 1 1/2 ft high N. of cor. Pits impracticable
66.30	Bottom of Tie fork Cañon spring branch 1 lk. wide 1 in. deep drains S Ascend
79.80	The cor of secs 13, 14, 23, and 24 Land mountainous Soil stony 3rd rate Timber pine on 17.00 chs Aspens on 30.00 chs, Mount[illegible] and on

[illegible] 7-30-1900

drains

July 31-1900 At 8h 00m a.m. l.m.t. I set off 39°30' N on the Lat. arc: 18°19' N on the decl. arc: and determine a true meridian with the solar at the cor of secs 13 14 23 and 24
Thence I run
N0°01'W bet secs. 13 and 14
Over mountainous land through sage brush Ascend
3,00 Enter aspen and scattering pine timber
30,00 Leave timber E and W Commence descend
30,50 The S.E. corner of John Hogg pasture fence bears W 5.00 chs
38.90 Bottom of Tie fork cañon spring branch 2 lks wide 1 in deep drains S E Ascend
40,00 Set a sand stone 16 x 12 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 impracticable
51,50 The N.E. corner of John Hogg pasture fence bears W. 1.50 chs dist
75,00 Enter scattering pine and aspen timber
80,00 Set a sand stone 16 x 14 x 6 in 11 in in the ground for cor. of secs 11 12 13 and 14 marked with 4 notches on S and 1 notch on E edges; from which
An aspen 4 ins diam. bears S42°W 55 lks dist. marked T.15 S. R.7 E. S.14 B.T.
An aspen 12 ins diam. bears N27°W 64 lks. dist marked T.15 S. R.7 E. 11 B.T.
A pine 4 ins diam. bears N7°E 189 lks. dist. marked T.15 S. R.7 E. S.12 B.T.
An aspen 6 ins diam. bears S87½E 4.45 chs. dist marked T.15 S. R.7 E. S.13 B.T.
Land mountainous
Soil gravelly - 3rd rate
Timber Aspen on 32.00 chs Pine on 32.00 chs
Mountainous land on 80.00 chs.

Subdivision of T15S R7E. continued

Chains	
	East on a random line bet secs 12 and 13
40.00	Set a temp 1/4 sec cor,
79.70	Intersect the E. bdy of Pr. 12.65 chs S of cor, of secs, 7 12 13 and 18 heretofore described
	At my of intersection I set a sand stone 18 x 12 x 6 ins 12 ins in the ground for closing cor of secs 12 and 13 marked C.C. on W with 4 grooves on S, and 2 grooves on N, faces: from which
	An aspen 5 ins diam, bears S45W 37 lks, dist, marked T15S, R7E, 13 B,T,
	An aspen 10 ins diam bears N29W 52 lks dist, marked T15S, R7E, S12 B,T,
	I distroyed all marks of sec, cor, pertaining secs 12 and 13
	Thence I run
	West on a true line bet secs 12 and 13
	Over mountainous land through scattering aspens Ascend
4.00	Commence ascend abruptly also leave timber enter underbrush
8.00	Top of abrupt ascent thence ascend gently
39.85	Set a sand stone 16 x 12 x 4 ins 11 ins in the ground for 1/4 sec, cor, marked 1/4 on N face, and raise a mound of stone 2 ft base 1 1/2 ft high N, of cor, Pits impracticable
47.00	Top of ridge bears N and S Descend rapidly
75.25	Enter scattering pine and aspens
79.70	The cor. of secs 11, 12, 13 and 14
	Land mountainous
	Soil gravelly 3rd rate
	Timber aspen on 8 45 chs pine on 4.45 chs
	Mountainous land on 79.70 chs,

Chains Subdivision of T15S R7E continued

July 31-190 At 10h 00m A.M. l.m.t. I set off 39°31' N on the lat. arc; 15°17' N on the decl arc; and determine a true meridian with the solar at the cor. of secs 11 12 13 and 14
Thence I run
N00°1'W bet secs 11 and 12
Over rough mountainous land through scattering pine and aspen ascend gently

3.00 Top of Ridge bears N W and E also leave timber enter sage brush descend

10.00 Leave sage brush enter aspen timber, ascend

39.00 Enter scattering pine

40.00 Set a sand stone 16x14x3 ins 11 ins in the ground for 1/4 sec cor bet secs 11 and 12 marked 1/4 on W face: From which
An aspen 6 ins diam bears N39 E 25 lks dist marked 1/4 S,12 B.T.
An aspen 8 ins diam bears S55 W 51 lks dist, marked 1/4 S,11 B,T.

41.00 Top of Ridge bears N75 W and S E descend abruptly

71.90 Bottom of small Draw drains N E Ascend along E slope

80.00 Set a sand stone 24x18x4 ins 18 ins in the ground for cor of secs 1,2,11 and 12, marked with 5 notches on S and 1 notch on E edges From which
An aspen 5 ins diam bears N32° E 11 lks dist marked T,15 S, R,7 E, S,1 B,T.
An aspen 4 ins diam bears S45° E 16 lks dist marked T,15 S, R,7 E S,12 B,T.
An aspen 4 ins diam bears S19° W 6 lks dist marked T,15 S, R,7 E, S,11 B,T.
An aspen 5 ins diam bears N48° W 4 lks dist marked T,15 S, R,7 E, S,2 B,T.
Land mountainous
Soil sandy loam and stony 2nd and 3rd rates
Timber aspens on 73.00 chs pine 44.00 chs
Mountainous land on 80.00 chs

Subdivision of T15 S R7 E Continued

Chains

July 31 Noon hour Sky was overcast observations were impossible.

East on a random line bet secs 1 and 12

40.00 Set a temp 1/4 sec cor.

79.80 Intersect E bdy 12.90 chs S of cor to secs 1, 6, 7 and 12 heretofore described At point of intersection I set sand stone 14 x 8 x 3 ins 9 ins in the ground for closing cor to secs 1 and 12 Marked CC on W with 5 grooves on S and 1 groove on N faces: From which An aspen 5 ins diam bears N 80 W 17 lks dist marked T15 S R7 E S1 B.T.

An aspen 6 ins diam bears S 46° W 11 lks dist marked T15 S R7 E S12 B.T.

I destroyed all 1/4 sec cor pertaining to secs 1 and 12

Thence I run

West on a true line bet secs 1 and 12 over rough mountainous land through dense aspen timber

Ascend abruptly

20.60 Top of Ridge bears N and S. also leave dense aspen enter scattering small aspens

descend rapidly

31.00 Head of Draw drains NW ascend

39.90 Top of spur projects N.W.

Set a sand stone 16 x 14 x 3 ins 11 ins in the ground for 1/4 sec cor marked 1/4 on N face and raise a mound of stone 2 ft base 1½ ft high N of cor Pits unpracticable

descend abruptly

60.00 Bottom of Draw drains N 18 E Enter dense pine and scattering aspen timber

ascend

60.00 Point of spur project N. Descend

75.00 Leave dense pine enter scattering pine and dense aspen Bottom of draw drains N.E. ascend

79.80 The cor to secs 1, 2, 11 and 12.

Land mountainous

Soil stony 3rd rate

Chains

Subdivision of T 15 S R 7 E continued

Timber aspens 79.80 chs pine 1.98 chs
Mountainous land on 79.80

No 01 W on a random line bet secs 1 and 2
41.00 set a temp. 1/4 sec. cor.
91.50 Intersect the N bdy of T. 15 S. lks. E. of cor to secs 1, 2, 35 and 36 heretofore described
Thence I run
S 0° 07' E on a true line bet secs 1 and 2 over rough mountainous land through aspen and pine timber ascend along E slope.
35.50 Leave timber E. and W. enter sage brush
56.50 Set a sand stone 14 x 10 x 5 ins 9 ins in the ground for 1/4 sec cor bet secs 1 and 2 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
64.00 Leave brush enter aspens timber
Ascend
67.00 Bottom of draw drains N E
Ascend abruptly
81.30 Point of spur project N E
Descend gently
96.50 The cor to secs 1, 2, 11, and 12
Land mountainous
Soil stony 3rd rate
Timber Quaking Asp on 76.00 chs
pine 35.50 chs
Mountainous land and dense undergrowth on 96.50 chs

July 31 1900

August 1-1900 at 8 h. 00 m. A. M. l. m. t. I sets off 39° 28' N on the lat. arc; 18° 04' N on the dist. arc; and determine a true meridian with the solar at the cor of secs 2, 3, 34 and 35

Chains	
	on the S. bdy. of Tp. on the 3rd Standard Parallel South heretofore described. Thence I run
	N 0° 01' W bet secs 34 and 35
	Over rough mountainous land through dense cedar & scattering mahogany
	Descend along W slope of spur
32.00	Bottom Tie fork Eaton Spring branch 3 lks wide 2" ins deep runs W cedars became scattering
	Ascend abruptly over broken ledges along W slope
40.00	Set a sand stone 14 x 10 x 6 ins 9 ins in the ground for 1/4 sec cor bet secs 34 and 35 marked 1/4 on W face; and raise a mound of stone 2 ft base 1½ ft high W of cor.
	Pits impracticable
43.00	Enter scattering pine timber
80.00	Set a sand stone 18 x 14 x 3 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
	From which
	A pine 14 ins dia bears N 38½ W 61 lks dist marked T. 15 S. R. 7 E. S. 27. B. T.
	A pine 4 ins diam bears S 66° W 18 lks dist marked T. 15 S. R. 7. E. S. 34 B. T.
	A pine 16 ins diam bears S 22½ E 88 lks dist marked T 15 S. R. 7 E. S. 35 B. T.
	A pine 20 ins diam bears N 4½ E 58 lks, marked T. 15 S. R. 7 E. S. 26 B. T.
	Land mountainous
	Soil stony and Rocky 3rd and 4th rates
	Timber pine on 37.00 chs scrub cedars and mahogany on 5.00 chs
	Mountainous land on 80.00 chs
	East on a random line bet secs 26 and 35
4.00	set a temp 1/4 sec cor
80.00	Intersect cor to secs 25, 26, 35, and 36.
	Thence I run
	West on a true line bet secs 26 and 35

Over mountainous land through scattering aspens
Ascend abruptly
6.00 Top of spur projects S E Descend
12.30 Bottom of draw spring branch 2 lks. 1 ins deep runs S E Ascend
40.00 Set a sand stone 16x10x4 ins 11 ins in the ground for 1/4 sec cor bet secs 26 and 35 marked 1/4 on N face: and raise a mound of stone 2 ft base 1 1/2 ft high W of cor.
Pits impracticable
52.00 Spring on line
53.00 Top of spur project S W Descend
74.00 Enter scattering pine timber
80.00 The cor to secs 26, 27, 34 and 35
Land mountainous
Soil gravely 3rd rate
Timber, scattering pine on 6.00 chs
scattering aspens 80.00 chs
Mountainous land and dense undergrowth on 80.00 chs

N 0° 1/2 W bet secs 26 and 27
Over mountainous land through pine and scatterings aspens timber
Ascend along W side slope
5.00 Enter dense aspen and scattering pine
33.00 Commence descend
40.00 Set a sand stone 18x12x3 ins 12 ins in the ground for 1/4 sec cor marked 1/4 on W face: from which
A pine 10 ins diam bears S 57° W 9 lks. dist marked 1/4 S 27 B T.
An aspen 9 ins diam bears S 5° E 35 lks. dist marked 1/4 S 26 B T.
41.00 Bottom of draw drains W Ascend
Have scattering pine
53.00 Top of spur projects W Descend
80.00 Set a sand stone 14x12x6 ins 9 ins in the

Chains

ground for cor of secs 22, 23, 26, and 27
marked with 2 notches on S and E edges
from which
An aspen 6 ins diam bears N 73° E 35 lks dist.
marked T. 15 S. R. 7 E. S. 23 B. T.
An aspen 6 ins diam bears S 12° E 74 lks dist
marked T. 15 S. R. 7 E. S. 26 B. T.
An aspen 4 ins diam bears S 38° W 15 lks dist.
marked T. 15 S. R. 7 E. S. 27 B. T.
An aspen 4 ins diam bears N 8° W 17 lks dist
marked T. 15 S. R. 7 E. S. 22 B. T.
Land mountainous
Soil stony 3rd rate
Timber aspen on 8.00 chs pine 41.00 chs
mountainous land on 8.00 chs
August 1-1900 At this cor. I set off 18° 01' W on the
decl. arc; and at 12.00 hr m l.m.t.
observe the sun on the meridian the
resulting lat. is 39° 30' N

East on a random line bet secs 23 and 26

40.00 set a temp 1/4 sec cor.

80.00 Intersect the cor to secs 23, 24, 25, and 26
Then I run
West on a true line bet secs 23 and 26
Over mountainous land through
aspens and scattering pine
Ascend abruptly

39.00 Top of ridge bears N and S descend

40.00 Set a sand stone 18 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 S 32° E 11 lks. dist.
marked 1/4 S 26 B. T.
An aspen 4 ins diam bears N 8° E 12 lks dist.
marked 1/4 S 23 B. T.

40.50 Leave pine timber N and S

62.00 Leave aspens N and S

73.00 Enter " " " "

Subdivision T15S R7E continued

Chains	
80.00	The cor to secs 22, 23, 26 and 27 Land mountainous Soil sandy loam 2nd rate Timber aspens on 5 chs pine on 40.50 chs Mountainous land and dense undergrowth on 80.00 chs
	N 0.01 W bet secs 22 and 23 Over mountainous land through aspen
5.00	Descend gutty along W slope Leave aspen enter pine timber E and W
9.00	Commence descend abruptly Bottom of draw drains W leave pine enter aspen ascend
14.00	An aspen 4 ins diam for 1/4 sec. cor, bet 22 and 23 I marked 1/4 S 22 on W side 23 on E side from which An aspen 5 ins diam bears N 45 E 15 lks. dist. marked 1/4 S, 23 B, T, An aspen 4 ins diam bears West 5 lks dist. marked 1/4 S 22 B, T,
69.00	Commence descend abruptly
69.50	Enter pine timber
76.70	Bottom of draw drains S.W. Ascend also leave pine
80.00	Set a sand stone 16 x 12 x 4 ins 11 ins in the ground for cor of secs 14, 15, 22 and 23. marked with 3 notches on S and 2 notches on E edges from which An aspen 6 ins diam bears N 2° W 26 lks, dist, marked T15S, R7E, S, 15 B, T, An aspen 4 ins diam bears N 3° E 70 lks, dist, marked T15 S, R7 E, S, 14 B, T, An aspen 7 ins diam bears S 62° E 29 lks dist, marked T15 S, R7 E, S, 23 B, T, An aspen 4 ins diam bears S 2° W 41 lks, dist, marked T15 S R7 E S 22 B, T, Land mountainous Soil gravely 3rd rate

	Timber aspen 75 00 chs pine on 1120 chs mountainous land and dense undergrowth on 8000 chs,
	East on a random line bet secs 14 and 23
40.00	Set temp 1/4 sec cor
79.90	Intersect N and S line 30 lks S of cor of secs 13, 14, 23 and 24
	Thence I run
	S 8° 45' W on a true line bet secs 14 and 23
	Over mountainous land
.90	Spring branch 1 lks wide 1 ins deep runs S & E ascend also enter aspen and scattering pine timber
35.50	Top of ridge bears N and S leave pine timber Descend
39.95	S. set a sand stone 14 x 13 x 4 ins 9 ins in the ground for 1/4 sec cor marked 1/4 on N face, from which
	An aspen 6 ins diam bears S 1° W 44 lks dist marked 1/4 S, 23. B. T.
	An aspen 4 ins diam bears N 3 1/2 W 29 lks dist. marked 1/4 S, 14 B. T.
56 00	Leave aspen N and S enter sage brush
63.00	Leave sage brush Enter aspens
77.25	Bottom of draw drains S. W.
	Ascend rapidly
79.90	The cor to secs 14, 15, 22, and 23
	Land mountainous
	Soil gravelly 3rd rate
	Timber aspen on 72.00 chs scattering pine on 34.60 chs
	Mountainous land and dense under-growth on 7990 chs

ust 1 - 19.00

Chains — Subdivision of T.15 S. R7 E — continued

N0°01'W bet secs 14 and 15
Over mountainous land through dense aspen timber Ascend rapidly
6.00 Top of spur projects S.W. Ascend
12.00 Spring on line
37.00 Leave aspens N W and E enter wild currant brush
40.00 Set a sand stone 18x12x3 ins 12 ins in the ground for 1/4 secs 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
60.00 Commence descend rapidly
65.00 Bottom of draw drains S W Ascend
80.00 Set a sand stone 18x18x6 ins 12 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 raise a mound of stone 2 ft base 1 1/2 ft high W of cor.
Pit impracticable
Land mountainous
Soil gravelly 3rd rate
Timber aspens on 37.00 chs
Mountainous land and dense undergrowth on 80.00

W

August 2-1910 At 8h 00m a.m. l.m.t. I set off 39°31' N on the lat arc; 17°48' N on the decl. arc; and determined a true meridian with the solar at the cor of secs 10, 11, 14 and 15
Thence I run
N89°47' E on a random line bet secs 11 and 14
40.00 set a temp 1/4 sec cor
79.65 Intersect N and S line 9 S of cor of secs 11, 12, 13, and 14
Thence I run
S89°43' W. on a true line bet secs 11 and 14 over mountainous land scattering pine and aspen Descend gently

Subdivision of T15 S R7 E continued

Chains	
18.00	Head of Tie fork cañon drains S E Ascend
20.00	Leave scattering aspen and pine N and S
39.82	Set a sand stone 18×12×3 ins 12 ins in the ground for 1/4 sec cor marked 1/4 on N face. and raise a mound of stone 2 ft base 1 1/2 ft high N of cor. Pits impracticable
44.00	Top of ridge near junction bears N and S 5 E Descend
65.00	Head of Draw drains N Ascend
70.00	Top of ridge bears S E and N 60 W Descend
79.65	The cor to secs 10, 11, 16 and 15 Land mountainous Soil gravelly 3rd rate Timber pine and aspen on 20.00 chs Mountainous land and dead under growth on 79.65

N 60 W bet secs 10 and 11
Over mountainous land through will currant brush ascend

1.00	Top of ridge bears N 60 W and S E Descend
6.00	Leave wide currants enter pine and aspen timber
12.00	Commence descend abruptly
40.00	Set a sand stone 24×14×2 ins 18 ins in the ground for 1/4 sec cor. marked 1/4 on W face: from which A pine 14 ins diam bears N 42 E 12 lks. dists marked 1/4 S. 11 B.T. A pine 8 ins diam bears S 78 1/2 W 24 lks dists marked 1/4 S. 10 B.T.
40.70	Bottom of ravine spring branch 2 lks wide 2 in deep runs N 75 W Ascend abruptly
58.60	Point of spur projects S.W. descend leave aspen and pine E and W.

Chains	
69.00	Bottom of draw drains S.W. Ascend abruptly
80.00	Set a sand stone 16 x 10 x 8 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 raise a mound of stone 2 ft. base 1½ ft high W. of cor. Pits impracticable Land mountainous Soil stony 3rd rate Timber pine and aspen on 58.00 chs. Mountainous land and dense under-growth on 80.00 chs. August 2nd 1900 At this cor. I set off 17° 45' E. on the dec. arc: and at 0h 00m mean time observed the sun on the meridian the resulting lat is 39° 32' N.
	N 89° 48' W. on a random line bet secs. 2 and 11
40.00	Set a temp. 1/4 sec. cor.
79.90	Intersect N and S line 14 lks. N of cor. of secs. 1, 2, 11 and 12
	Thence S run
	S. 89° 49' W. on a true line bet. secs. 2 and 11 Over rough mountainous land through aspen timber Ascend abruptly
20.00	Top of spur projects N 2° E leave aspens Descend abruptly
31.00	Bottom of small draw drains N. Ascend
39.85	Top of spur projects N Descend
	Set a sand stone 16 x 13 x 5 ins 11 ins in the ground for 1/4 sec. cor. marked 1/4 on N. face: and raise a mound of stone 2 ft base 1½ ft high N of cor. Pits impracticable
46.00	Head of draw drains N 2° E Ascend
55.00	Top of rocky ridge bears N and S. Junction 6.00 chs S. Descend

Subdivision of T15S R7E

chains	
63.00	Head of draw drains N.W. Ascend
63.50	Enter pine timber
70.00	Top of spur projects N W leave timber enter sage brush Descend
79.90	The cor. to secs. 2, 3, 10 and 11
	Land mountainous
	Soil stony 3rd rate
	Timber pine on 6.50 chs, aspen on 70.00 chs,
	Mountainous land on 79.90 chs.
	August 2-1900 At 4 00 P m l.m.t. I set off 39°32' N on the Lat. arc; 17°43' N on the decl. arc: and determine a true meridian with the solar at the the cor. of secs 2, 3, 10 and 11 Thence I run
	N0°01'W on a random line bet secs 2 and 3
40.00	Set a temp 1/4 sec. cor.
96.60	Intersect N bdy 23 lks. E of cor of secs 2, 3, 34 and 35, heretofore described
	Thence I run
	S0°09' E on a true line bet secs. 2 and 3
	Over rough mountainous land through sage brush Ascend
2.50	Top of ridge bears N.W. and S thence on top of ridge.
18.50	Saddle of same ridge thence along E slope
20.70	Top of same ridge bears N W and S, E, Descend abruptly
30.00	Leave sage brush enter aspen timber
56.60	Set a sand stone 16x6x6 ins 11 ins in the ground for 1/4 sec. cor. marked 1/4 on W. face: from which
	An aspen 6 in diam bears N15°1/2 W 16 lks. marked 1/4 S 3 B.T.
	An aspen 6 ins diam. bears S24°1/2 E, 15 lks. marked 1/4 S 2 B.T.
59.90	Bottom of draw drains W. Ascend

Chains | continued

also enter pine timber
90.26 Leave timber E, and W,
91.60 Top spur projects N 80W Descend broken ledges
92.60 Bottom ledges descend rapidly
96.60 The cor of secs 2, 3, 10, and 11
Land mountainous
Soil stony 3rd rate
Timber aspens on 60.26 chs. Pine on 30.36 chs,
Mountainous land and dense undergrowth on 96.60 chs.

August 2-1900

August 3-1900 at 8h 00m a.m. l.m.t. I set off 39°28' N on the Lat arc; 17°33' N on the decl. arc; and determine a true meridian with the solar at the Standard cor, of secs 3 4 33 and 34 on S bdy of this Tp heretofore described
Thence I run
N 0°02' W. bet secs 33 and 34
Over mountainous land through scattering scrub cedar and Mohogany Ascend
15.00 Top of spur project S 22 W Continue ascending along W slope
40.00 Set a sand stone 18 x 12 x 3 ins 12 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
49.00 Leave cedars and Mohogany enter dense aspen timber
62.00 Leave timber E, and W,
68.00 Top of spur projects S.W. Descend along W slope of ridge also enter aspen timber
75.00 Leave timber E, and W,
80.00 Set a sand stone 18 x 8 x 6 ins 12 ins in the ground for of secs 27, 28, 33, and 34 marked with 1 notch on S. and 3 notches on

chains	
	E edges: and raise a mound of stone 2 ft base 1½ ft high W of cor.
	Pits impracticable
	Land mountainous
	Soil stony 3rd rate
	Timber Aspen on 20.00 chs Scrub cedars and Mopogany on 48.00 chs
	Mountainous land on 80.00 chs
	East on a random line bet. secs. 27 and 34
40.00	Set a temp ¼ sec. cor.
80.00	Intersect N and S line 1 lks N of cor. of secs. 26 27, 34, and 35
	Thence I run
	West on a true line bet. secs. 27 and 34
	Over mountainous land through scattering pine and aspen timber Descend abruptly
10.00	Bottom of Left fork of Tie fork cañon spring branch 2 lks wide 3 ins deep drains S
36.00	Top of spur projects S.E. Descend
40.00	Set a sand stone 16x10x4 ins 11 ins in the ground for ¼ sec. cor. marked ¼ on N face; from which
	An aspen 4 ins diam. bears S 56 E 26 lks. dist. marked 1/4 S 34 B.T.
	An aspen 4 ins diam. bears N. 38½ W. 11 lks. dist. marked 1/4 S 27 B.T.
50.00	Gulch drains S.E. ascend
72.50	Top of ridge bears N and S also leave timber N and S Descend
80.00	The cor. of secs 28 27 33 and 34
	Land mountainous
	Soil stony 3rd rate
	Timber Aspen and pine on 72.50 chs.
	Mountainous land on 80.00 chs.

Chains	
	N 0° 02' W bet secs 27 and 28
	Over mountainous land through sage brush Ascend gently along W slope of ridge
32.00	Head of draw drains S 75 W
40.00	Set a sand stone 16 x 15 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 1 1/2 ft high W of cor. Pits impracticable
42.00	Top of spur at junction with ridge projects W continue ascending
74.00	Top of spur at junction with ridge projects N 85° W Descend
80.00	Set a sand stone 14 x 9 x 8 ins 9 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 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 none
	Mountainous land and dense undergrowth on 80.00 chs
	East on a random line bet secs 22 and 27
40.00	Set a temp 1/4 sec. cor.
80.00	Intersect the N and S line at the cor of secs. 22, 23, 26 and 27
	Thence I run
	West on a true line bet secs. 22 and 27
	Over mountainous land through dense aspen timber Descend
6.00	Bottom of left fork of Tie fork cañon spring branch 2 lks wide 1 in. deep drains S. Ascend abruptly
39.00	Leave timber

Subdivision of T15S R7E continued

Chains	
40.00	Set a sand stone 14x12x6 ins 9 ins in the ground for 1/4 sec. cor. marked 1/4 on N. face, from which
	An aspen 5 ins diam. bears S22°E, 5 lks, dist marked 1/4 S, 27 B.T.
	An aspen 4 ins diam. bears N14W 16 lks dist marked 1/4 S 22 B.T.
75.00	Top of ridge bears N and S Descend
- 80.00	The cor of secs 21, 22, 27 and 28.
	Land mountainous
	Soil stony 3rd rate
	Timber Aspens on 39.00 chs
	Mountainous land on 80.00 chs
	August 3-1900 at this cor. I set off 17°30' N on the decl. arc; and at 12m 00m: m.l.m.t. observe the sun on the meridian the resulting Lat. is 39°30' N
	N0°02'W bet secs 21 and 22
	Over mountainous land through sage br Descend
3.00	Leave sage brush enter aspen and pine timber
10.00	Head of draw drains W. Ascend
20.00	Spur projects W Descend
22.00	Leave pine enter dense young aspen
30.00	Head of draw drains W Ascend
40.00	Set a sand stone 16x10x6 ins 11 ins in the for 1/4 sec. cor. marked 1/4 on W face: and raise a mound of stone 2 ft base 1/2 ft high W. of cor.
	Pits impracticable
	Corner located in dense small aspen not suitable for bearing trees
42.00	Spur projects N75W Descend abruptly
42.50	Leave young aspen enter pine and aspen timber
- 80.00	Set a sand stone 18x10x6 ins 12 ins in the ground for cor. of secs. 15, 16, 21 and 22 marked 15S on N.E. 7E. on S.E. faces with 3 notches on S. and E. edges

Chains

Subdivision of T. 15 S R 7 E Continued

from which
An aspen 10 ins diam bears N. 5° W. 17 lks. dist. marked T. 15 S. R. 7 E. S. 16 B. T.
An aspen 5 ins diam bears S 13° W 61 lks dist marked T. 15 S. R. 7 E. S. 21 B. T.
An aspen 5 ins diam bears S. 6½° E 50 lks dist marked T 15 S R 7 E S 22 B. T.
An aspen 5 ins diam bears N. 72° E 26 lks dist marked T. 15 S. R. 7 E. S. 15 B. T.
Land mountainous
Soil stony 3rd rate
Timber Aspen on 8.00 chs
pine on 37.50 chs
mountainous land on 8.00 chs

East on a random line bet secs 15 & 22

40.00 Set a stump 1/4 sec cor.
8.00 Intersect N and S line 39 lks N of cor of 14 15 22 and 23.
Thence I ins
N 89° 45' W on a true line bet secs 15 and 22
Over mountainous land through dense aspens Descend
11.80 Bottom of Left fork of Tie fork Canon drains S. Ascend
21.00 Spring on line
32.00 Spring 75 lks S. of line
37.00 Top of ridge bears N 30 W and S W also leave aspens N and S Descend
40.00 Set a sand stone 16 x 8 x 6 ins 11 ins in the ground for 1/4 sec. cor. marked 1/4 on N face; and raise a mound of stone 2 ft base 1½ ft. high N of cor.
Pits impracticable
49.00 Enter pine and aspens
67.00 Bottom of draw drains drains N W. Ascend
80.00 The cor to secs 15 16 21 and 22

Chains	
	Land mountainous Soil stony 3rd rate Timber Aspens on 68.00 chs pine on 31.00 chs Mountainous land on 8.00 chs August 3 — 19.00
	August 4 1900 At 8h 00m a.m. l.m.t. I set off 39°30' N on the lat. arc; 17°17' N on the decl. arc; and determine a true mid diam with the solar at the cor of secs. 15, 16, 21 and 22 Thence I run N 0°02 W bet secs 15 and 16 Over mountainous land through pine and aspen timber. Descend
10.00	Bottom of draw drains W leave timber E and W enter sage brush Ascend abruptly
35.00	Enter scattering scrub aspens
40.00	Set a sand stone 16 x 14 x 5 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
60.00	Top of Ridge bears W and S E Descend
60.40	Enter dense aspen and pine timber
80.00	Set a sand stone 15 x 8 x 4 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 A Balsam 8 ins diam bears S 15° W 5 lks dist. marked T. 15 S, R. 7 E, S. 16 B. T. An aspen 4 ins diam bears N 2° W 20 lks dist. marked T. 15 S, R. 7 E, S. 9 B. T. A Balsam 8 ins. diam bears N 87° E 7 lks dist. marked T. 15 S, R. 7 E S. 10 B. T. A Balsam 5 ins diam bears S 85° E 15 lks dist. marked T. 15 S, R. 7 E, S. 15 B. T.

Land mountainous
Soil stony 3rd rate
Timber pine and aspen 29.60 chs
Mountainous land and dense under growth on 80.00 chs.

S 8° 43' E on a random line bet secs 10 and 15
40.00 Set a temp 1/4 sec. cor.
80.00 Intersect N. and S. line 39 lks. S of cor. of secs 10, 11, 14 and 15
Thence I run
West on a true line bet secs 10 and 15
Over mountainous land through wild currant brush Ascend
4.00 Enter aspen leave brush
28.00 Leave aspen enter wild currants and sage brush
40.00 Set a sand stone 14 x 13 x 4 ins 9 ins in the ground for 1/4 sec. cor. marked 1/4 on N face and raise a mound of stone 2 ft. base 1 ft high N of cor.
Pits impracticable
40.25 Head of Left fork of Tie fork canon drains S E Ascend
56.00 Top ridge bears N E and S W Descend also enter pine and aspens timber Leave sage and wild currant brush
80.00 The cor to secs 9, 10, 15 and 16
Land mountainous
Soil loam and gravelly 2nd and 3rd rate
Timber aspens on 48.00 chs pine on 24.00 chs.
Mountainous land on 80.00 chs

Subdivisions of T. 15 S. R. 7 E. continued

Chains	
	No. 02 W bet secs 9 and 10
	Over mountainous land through pine and aspen timber Descend
25.00	Bottom of Gulch drains N.W. Ascend
36.50	Leave aspen and pine timber E. and W.
	Ur young aspen
40.00	Set a sand stone 13x13x6 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 1½ ft high W of cor.
	Pits impracticable
57.60	Top of spur projects N.W.
	Descend abruptly
75.25	Bottom of Nuc. Woodards Cañon creek. 4 lks wide 4 ins deep runs S W also leave young aspens E and W
80.00	The point for sec cor fall on a Rock in place 3x3 ft x 8 ins above ground on which I cut a cross (x) at the exact cor. point: marked 5 notches on S and 3 notches E of cross: and raise a mound of stone 2 ft base 1½ ft high W of cor. Pits imp
	Land mountainous Soil loam & gravel 2° C's arte Timber scattering pine & aspens Mountainous land on 80 chains
	August 4 At this cor I set off 17° 14' N on the Ecl. arc: and at 12h 00m a.m. l.m.t. Observe the sun on the meridian the resulting lat. is 39° 32' N

	East on a random line bet secs 3 and 10
40.00	Set a temp. sec. cor.
80.00	Intersect N & S line at the cor of secs 2, 3, 10 and 11
	Thence I run
	West on a true line bet secs 3, and 10
	Over mountainous land through dense sage brush, descend along S slope
15.00	Commence descend abruptly
40.00	Set a sand stone 16x12x6 ins 11 ins in the ground for 1/4 sec. cor. marked 1/4 on N.

Subdivisions of T15 S R7 E continued

Chains	
	face; and raise a mound of stone 2 ft. base 1½ ft high N of cor.
	Pits impracticable
45.00	Bottom of Nuc. Wood and Cañon spring branch 4 lks wide 4 ins deep runs S.W.
	Ascend along S E slope
80.00	The cor. of secs. 3, 4, 9 and 10
	Land mountainous
	Soil stony 3rd rate
	No Timber
	Mountainous land and dense undergrowth on 80.00
	No 02 W, on a random line bet secs 3 and 4
40.00	Set a temp ¼ sec. cor.
96.65	Intersect N bdy 23 lks E of cor. of secs. 3, 4, 33 and 34 heretofore described
	Thence I run
	S 10 E on a true line bet. secs. 3, and 41
	Over mountainous land through choke cherry brush Descend
5.00	Bottom of draw drains E leave choke cherry brush enter dense aspen and scattering pine timber
	Ascend abruptly
25.00	Top of spur projects S 10 E leave timber N.W. and S E enter sage brush
40.00	Leave sage enter young aspens
56.65	Set a sand stone 15 x 13 x 5 ins 12 ins in the ground for ¼ sec cor. marked ¼ on the W face; and raise a mound of stone 2 ft base 1½ ft high W of cor.
	Pits impracticable
58.00	Leave young aspens N W and S E
96.65	The cor to secs 3, 4, 9, and 10
	Land mountainous
	Soil stony 3 rate
	Timber pine and aspens on 20.00 chs
	Mountainous land on 96.65 chs

August 11-1900

Subdivisions T15 S R7 E Continued

Chains

August 5-1900 at 8h 00m A.M. l.m.t. I set off 39°28' N on the lat arc; 17°01' N on the decl. arc; and determine a true meridian with the solar at the exact cor point which is 1.52 chs. West of the witness standard cor. of secs ... 32 and 33 heretofore described

Thence I run

No 03 W bet secs 32 and 33

Over rough mountainous land

0.75 Huntington River 50 lks. wide 2 ft deep runs S20E

1.25 Road bears N10W and S20°E

Ascend abruptly over broken ledges

33.00 Top of spur projects S.W. Descend

36.00 Gulch drains W Ascend abruptly

40.00 Set a sand stone 18x10x3 ins 12 ins in the ground for 1/4 sec. cor. marked 1/4 on W. face: and raise a mound stone 2 ft base 1½ ft high W of cor.

Pits impracticable

58.00 Top of spur projects N.W. Descend abruptly

61.00 Enter pine and aspen timber

76.00 Leave same NE and SW

77.00 Bottom of deep Gulch drains SW

Ascend broken ledges

80.00 Set a sand stone 14x12x3 ins 9 ins in the ground for cor of secs 28, 29, 32, and 33 marked with 1 notch on S and 4 notches on E edge: from which

A boulder 8x5x4 ft above ground bears N45°E 5 lks. dist. marked a cross (x) T15 S. R.7 E. S.28 B.O.

no other bearing objects available

raise a mound of stone 2 ft base 1½ ft high W. of cor. Pits impracticable

Land mountainous

Soil Rocky 4th rate

Timber pine and aspens on 1500 chs.

Mountainous land on 8000 chs

Subdivisions T15 S R7 E continued

chains	
	East on a random line bet secs 28 and 33
40.00	Set a temp sec cor.
80.00	Intersect the cor of secs 27, 28, 33, and 34
	Thence I run
	West on a true line bet secs 28 and 33 over mountainous land through sage brush Descend,
2.00	Enter pine and aspen timber-
4.75	Spring 1.20 chs S of line runs N.W.
10.50	Cross draw drains N.W. Ascend
31.20	Top of spur projects N.W. Descend
40.00	Aspen 14 ins diam for 1/4 sec cor. I marked 1/4 S 28 on N side S 33 on S side; from notch On aspen 5 ins diam bears S 15° E 3 lks dist marked 1/4 S 33 B T
	On aspen 4 ins diam bears N 15° E 26 lks dist marked 1/4 S 28 B T
65.00	Commence descend abruptly
69.00	Bottom of gulch drains S.W. Ascend.
80.00	The cor of secs 28, 29, 32, and 33
	Land mountainous
	Soil stony 3rd rate
	Timber pine and aspens on 78.00 chs.
	Mountainous land on 80.00 chs

N 0° 30' W bet secs 28 and 29
Over mountainous land through sage brush Ascend over broken ledges
22.00 Top of spur projects S.W. Descend
34.00 Descend abruptly also enter pine timber
37.00 Bottom of gulch drains S.W. Ascend
78.00 Leave pine timber N.W. and S.E.
80.00 Set a sand stone 20 x 8 x 4 ins 15 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

Subdivisions T15 S R 7 E continued

chains

46.00 Enter dense pines and aspens
46.50 Commence descend abruptly
60.00 Bottom of gulch spring branch 2 lks wide 2 ins deep runs W. Ascend
65.00 Leave dense timber enter scattering timber
75.00 Top of spur projects W Leave timber N and S Descend
80.00 Set a sand stone 20x10x4 ins 15 ins in the for cor of secs 20, 21, 28, and 29 marked with 2 notches on S. and 4 notches on E. edges; and raise a mound of stone 2 ft base 1½ ft high W of cor.
Pits impracticable
Sand mountainous
Soil stony 3rd rate
Timber pine on 36.00 chs aspens on 32.00 chs
Mountainous land and dense under growth on 80.00 chs.
August 5 At this cor I set off 16°58' N. on the decl. arc; and at 12h00m M. l.m.t. Observe the sun on the meridian the resulting lat. is 39°30' N

East on a random line bet secs 21 and 28
40.00 Set a temp ¼ sec cor.
80.00 Intersect N. and S. line 23 lks, N. of cor of secs 21, 22, 27 and 28
Thence I run
N 89°50' W on a true line bet secs 21 and 28
Over mountainous land through sage brush Descend abruptly
8.50 Small draw drains N.W. Ascend abruptly
27.00 Top of spur projects N.W. Descend
40.00 Set a sand stone 16x12x5 ins 11 ins in the ground for ¼ sec. cor. marked ¼ on N face; and raise a mound of stone 2 ft base 1½ ft high N of cor.
Pits impracticable

Subdivisions T15S R7E Continued

chains	
51.00	Head of deep gulch drains S.W. Ascend abruptly
80.00	The cor of secs 20, 21, 28, and 29 Land mountainous Soil stony 3rd rate Timber none Mountainous land and dense under growth on 80.00 chs.

No 3 W bet secs 20 and 21
Over mountainous land through sage brush Descend

14.50	Commence descend abruptly also enter dense aspen timber
33.00	Bottom of gulch drains N.W. also leave timber N.W and S.E Ascend abruptly
40.00	Set a sand stone 20 x 8 x 5 ins 15 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
45.00	Top of spur - projects S.W. Descend
49 00	Enter pine and aspen timber
55 00	Bottom of gulch drains W Ascend
56 00	Leave timber E, and W.
75 50	Bottom of gulch drains W. also enter small aspen
80.00	Set a sand stone 12 x 10 x 6 ins 8 ins in the ground for cor. of secs 16, 17, 20, and 21 marked with 3 notches on S and 4 notches on E edges; and raise a mound of stone 2 ft base 1½ ft high W of cor. Pits impracticable Land mountainous Soil stony 3rd rate Timber aspen on 21.50 chs pine on 6.00 chs Mountainous land on 80.00

Subdivision T15 S R73 continued

Chains

S 89°50' E on a random line bet secs 16 and 21
40.00 Set a trap 1/4 sec cor
80.25 Intersect N. and S. line 16 lks. N. of cor. of secs 15, 16, 21 and 22,
Thence I run
N 89°43' W on a true line bet secs 16 and 21
Over mountainous land through pine and aspen timber, Descend
22.50 Bottom of Ravine drains N. E. Ascend
29.70 Top of spur projects N.W. Descend abruptly
40.12 The point for 1/4 sec cor. fall on a Rock in place 2 x 2½ ft x 6 ins above ground, on which I. Cut a cross (+) at exact cor. point for 1/4 sec. cor. marked 1/4 on N side from which
A pine 12" ins. diam bears N 45° W 32 lks dist marked 1/4 S 16 B.T.
A pine 8 ins diam bears S 30° E 25 lks. dist marked 1/4 S 21. B.T.
41.10 Bottom of gulch drains N Ascend abruptly
66.40 Top of spur projects N.W. Descend abruptly
67.75 Leave timber N. W. and S. E.
80.25 The cor of secs 16, 17, 20, and 21
Land mountainous
Soil stony 3rd rate
Timber pine and aspen on 67.75 chs
Mountainous land and dense under-growth on 80.25 chs.

August 5 — 1900

August 6 1900 at 8h 00m a.m. G.m.t. I set off 39° 30' N on the lat. arc; 16° 45' N on the decl. arc; and determine a true meridian with the solar at the cor of secs 16, 17, 20 and 21
Thence I run
N 0° 03' W bet sec 16 and 17
over mountainous land through sage brush Ascend

Subdivision of T15S R7E Continued

chains	
11.00	Enter aspen saplings E and W
28.00	Bottom of gulch spring branch 3 lks wide 1 ins deep runs W Ascend along W slope
40.00	Set a sand stone 20 x 10 x 3 ins 15 ins in the ground for 1/4 sec cor. marked 1/4 on W. face; from which
	An aspen 4 ins diam. bears N 79° W 43 lks. dist. marked 1/4 S 17 B. T.
	No other trees suitable to mark therefore I raise a mound of stone 2 ft base 1 1/2 ft high W of cor. Pits impracticable
43.00	Enter scattering pine timber
64.50	Gulch spring branch 2 lks wide 1 in. deep drains W.
80.00	Set a sand stone 14 x 12 x 4 ins 9 ins in the ground for cor. of secs 8. 9, 16, and 17 marked with 4 notches on S and E edges; from which
	A pine 6 ins diam. bears N 30° E 145 lks. dist. marked T15S R7E S9 B. T.
	No other trees within limits therefore I raise a mound of stone 2 ft. base 1 1/2 ft high W of cor. Pits impracticable
	Land mountainous
	Soil stony 3rd
	Timber aspens on 69.00 chs.
	Mountainous land and dense undergrowth on 80.00 chs

	S 89° 43 E on a random line bet secs. 9 and 16
40.00	Set a temp 1/4 sec. cor.
80.00	Intersect N and S line 39 S. of cor. of secs. 9, 10, 15 and 16
	Thence I run
	West on a true line bet secs. 9 and 16
	Over mountainous land
	Ascend abruptly
3.00	Enter dense aspens and scattering pine

Subdivision of T 15 S R 7 E continued

Chains	
5.00	Leave scattering pine
37.00	Head of draw drains N.W. also leave Aspen timber enter small aspen
40.00	Fall on a rock in place 6 x 4 ft x 6 ins above ground on which I cut a cross (X) at the exact cor. point marked 1/4 on N. side and raise a mound of stone 2 ft base 1½ ft high N of cor. Pits impracticable Trees too small to mark
48.50	Leave small aspens
49.00	Top of spur project N.W. Descend
61.00	Enter timber N.W. and E
80.00	The cor. of secs. 8, 9, 16 and 17 Land mountainous Soil stony 3rd rate Timber Aspen on 48.50 Pine 24.00 chs. Mountainous land on 80.00 chs.

N 0° 03' W bet. secs. 8 and 9
Over mountainous land through small aspen. Ascend along W. slope

19.00	Commence descend broken ledges.
29.00	Bottom of N.W.C. Woodard Canon Spring branch 6 lks. wide 4 ins deep runs S.W. leave timber Ascend
35.00	Enter Aspen timber
40.00	Set a sand stone 15 x 10 x 4 ins 10 ins in the ground for 1/4 sec. cor. marked 1/4 on W. face from which An aspen 4 ins diam. bears N 45° E 52 lks. dist marked 1/4 S. 9 B. T. An aspen 4 ins diam. bears N 55 W 20 lks dist. marked 1/4 S. 8 B. T.
57.00	Ascend perpendicular ledges 70 ft high bears E and N thence ascend rapidly
80.00	Set a sand stone 24 x 12 x 4 ins 18 ins in the ground for cor of secs 4, 5, 8 and 9 marked

Chains. Subdivision T.15 S. R.7 E. continued

with 5 notches on S and 4 notches on E edges, from which
An aspen 5 ins diam bears N40°E 32 lks. dist. marked T.15 S. R.7 E. S.4 B.T.
An aspen 5 ins diam bears S86°E 14 lks. dist. marked T.15 S. R.7 E. S.9 B.T.
An aspen 6 ins diam bears S45°W. 30 lks. dist. marked T.15 S. R.7 E. S.8 B.T.
A pine 7 ins diam bears N88°W. 6 lks. dist. marked T.15 S. R.7 E. S.5 B.T.
Land mountainous
Soil stony 3rd rate
Timber, aspens on 74.40 chs.
Mountainous land on 80.00 chs.
August 6-1900 at this cor I set off 16°41' N. on the decl. arc; and at 12h 00m. M. l.m.t. observe the sun on the meridian the resulting lat. is 39°32' N

East on a random line bet secs 4 and 9
40.00 Set a temp 1/4 sec. cor.
80.00 Intersect cor. N.S.Tens of secs 3 4 9 and 10
Thence I run
West on a true line bet secs 4 and 9
Over mountainous land through sage brush. Descend
9.50 Bottom of gulch drains S W Ascend
14.00 Commence ascend abruptly
28.00 Top of spur projects S W Descend
also enter scattering pine and aspens
40.00 Fall on a rock in place 3 x 2½ x 1 ft above ground for 1/4 sec. cor. on which I cut a cross (x) at the exact cor. point marked 1/4 N. of cross; from which
A pine 14 ins diam bears N85°E 3 lks. dist marked 1/4 S.4 B.T.
No other trees within limits therefore raise a mound of stone 2 ft base 1½

Chains	
	ft high N of cor. Pits impracticable
44.00	Bottom of Gulch drains S. Ascend
50.00	Top of spur projects S.W. Descend
56.00	Swale S Ascend
66.50	Top of ridge bears N.E. and S.W. Descend
80.00	The cor. of secs 4, 5, 8, and 9
	Land mountainous
	Soil stony 3rd rate
	Timber scattering pine and aspen on 52.00 chs,
	Mountainous land and dense under growth on 80.00 chs.

	N 0° 03' W on a random line bet secs 4 and 5.
40.00	Set a stump 1/4 sec cor.
96.75	Intersect the N. bdy. of T. 17 lks E of cor of secs 4.5.32 and 33 heretofore discribed
	Thence I run
	S 0° 09' E on a true line bet secs. 4 and 5.
	Over mountainous land through
	aspen and pine timber
	Descend along E. slope
48.00	Enter scattering timber
56.75	Set a sand stone 16 x 12 x 5 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 1 1/2 ft high W of cor. Pits impracticable
	no trees within limits
69.50	Bottom of Ravine drains SW Ascend abruptly
96.75	The cor of secs 4, 5, 8, and 9
	Sand mountainous
	Soil stony 4th rate
	Timber aspen and pine on 96.75 chs
	Mountainous land on 96.75 chs.

August 6 — 1900

Subdivisions T.15 S. R.7 E. continued

Chains

August 7-1900 At 8h 00m a.m. l.m.t. I set off 39°28' N on the lat arc; 16°28' N on the decl. arc; and determine a true meridian with the solar at the standard cor of secs. 31 and 32 on the third standard parallel south or S bdy of Tp. heretofore described. Thence I run N 0°03' W bet. secs. 31 and 32

Over mountainous land through aspen and scattering pine.

5.00 Commence Ascend

29.00 Bottom of draw drains E leave timber E and W enter sage brush Ascend

40.00 Set a sand stone 14 x 6 x 4 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

53.00 Top of spur projects E. Descend

79.30 Bottom Ravine spring branch 3 lks wide 3 ins deep runs E ascend also enter aspens and pine timber

80.00 Set a sand stone 20 x 8 x 4 ins 15 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; from which

An aspen 7 ins diam bears N 75° E 15 lks. dist marked T.15 S. R.7 E. S.29 B.T.

An aspen 12 ins diam bears S 45° E 35 lks. dist marked T.15 S R.7 E S.32 B.T.

A pine 8 ins diam bears S 40° W 22 lks dist. marked T.15 S. R.7 E. S.31 B.T.

No trees on secs 30 within limits therefore I raise a mound of stone 2 ft base 1½ ft high W of cor.

Pits impracticable

Sand mountainous

Soil stony 3rd rate

Timber aspen and pine 29.70 chs

Mountainous land on 8000 chs.

Chains

East on a random line bet secs 29 and 32

4.00 Set a temp ¼ sec. cor.

5.00 Intersect the cor. of secs. 28, 29, 32 and 33

Thence I run

West on true line bet secs 29 and 32.

Over mountainous land

Descend broken ledges

24.05 Descend ledge 100 ft thence descend gradually

26.50 Huntington Canon River 50 lks wide 10 ft deep runs S. Ascend

27.20 Road bears N and S also enter aspens

41.00 Set a sand stone 20x12x3 ins 15 ins in the ground for 1/16 sec. cor. marked 1/16 on E face; from which

An aspen 6 ins diam bears S 41 lks dist marked 1/4 S. 32 B T

No other trees within limits thereof.

I raise a mound of stone 2 ft base 1½ ft high N of cor. Pits impracticable

46.50 Commence descend

49.50 Bottom of Gulch spring branch 3 lks wide 2 ins deep runs S E Ascend

along N slope in dense timber

73.50 Bottom of gulch spring branch 2 lks 3 ins deep runs N 85 E Ascend

80.00 The cor of secs 29, 30, 31 and 32

Land mountainous

Soil stony 3rd rate

Timber, aspens on 5280 chs

Mountainous land on 5,000 chs

West on a random line bet secs 30 and 31

40.00 Set a temp 1/16 sec cor.

40.65 Intersect the W bdy of T 27 N R 5 W of cor. of secs 25 30 31 and 36

Thence I run

N 57° 30' E on a true line bet secs 30 and 31

Subdivisions T15 S R7 E continued

ch. is	
	Over mountainous land through aspens and pine timber Ascend
23.00	Top of ridge bears N E and S W Descend rapidly S E slope also leave timber N.E. and S.W.
50.65	Set a sand stone 15 x 10 x 4 ins 10 ins in the ground for 1/4 sec cor. marked 1/4 on N face; and raise a mound of stone 2 ft. base 1 1/2 ft. high N of cor. Pits impracticable
78.85	Small draw drains S
79.00	Commence descend over broken ledges also enter scattering pine and cedars
90.65	The cor. of secs. 29, 30, 31 and 32 Land mountainous Soil stony 4th rate Timber pine on 33.85 chs scattering Cedars 10.80 chs Mountainous land on 90.65 chs August 7-1900 At this cor. I set off 16°25' N on the decl. arc; and at 12h 00m. M. l.m.t. observe the sun on the meridian the resulting lat is 39°29' N.

	N 0° 03' W bet secs 29 and 30 Over mountainous land through scattering pine timber Ascend
33.50	Top of spur projects E Ascend abruptly through aspen scattering pine and dense undergrowth
40.00	Set a sand stone 14 x 8 x 4 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 No suitable trees for bearing objects within limits
58.50	Small Ravine Spring branch 2 lks wide 2 ins. deep runs S E Ascend

Chains	
— 80.00	Set a sand stone 16 x 10 x 6 ins 11 ins in the ground for cor of secs 19, 20, 29, and 30 marked with 2 notches on S and 3 notches on E edges: and raise a mound of stone 2 ft base 1½ ft high W of cor. Pits impracticable. No trees within limits Land mountainous Soil stony 3rd rate Timber scattering pine 60.00 chs scattering aspen on 40.50 chs Mountainous land on 6000 chs.
	East on a random line bet secs 20 and 29
40.00	Set a temp. ¼ sec cor.
80.00	Intersect N and S line 23 chs S of cor of secs 20, 21, 28, and 29
	Thence I run S 89° 50' W on a true line bet. secs 20 and 29 Over mountainous land through sage brush Descend
5.00	Enter scattering aspens and pine
23 00	Huntington River 50 lks wide 1 ft deep runs S
25 00	Road bears N and S Ascend abruptly
40.00	Set a sand stone 25 x 14 x 4 ins 19 ins in the ground for ¼ sec. cor. marked ¼ on N face: from which An aspen 4 ins diam bears S 12 lks dist marked ¼ S. 29 B.T. No other tree suitable to mark. within limits therefore I raise a mound of stone 2 ft base 1½ ft high N of cor. Pits impracticable
45.00	Leave scattering enter dense pine and aspens timber N and S.
52 00	Top of spur projects E. leave timber N. and S. Continue ascending
— 80.00	The cor of secs 19 20 29 and 30

Subdivisions T15 S R7 E continued

Land mountainous
Soil stony 3rd rate
Timber dense pine and aspens on 9.00 chs
scattering pine and aspens on 43.00 chs
Mountainous land on 80.00 chs.

S 89°50' W on a random line bet secs 19 and 30
40.00 Set a temp 1/4 secs cor.
90.52 Intersect the W bdy of Tp. 13 lks S of cor of secs 19, 24, 25 and 30
Thence I run
N 89°55' E on a true line bet secs 19 and 30
Over mountainous land through scattering aspens: Descend along S slope
10.00 Leave scattering aspens enter sage brush
50.52 Set a sand stone 16 x 12 x 5 ins 11 ins in the ground for 1/4 sec. cor. marked 1/4 on N face: and raise a mound of stone 2 ft base 1½ ft high N of cor.
Pits impracticable
51.00 Commence ascend
90.52 The cor of secs 19, 20, 29, and 30
Land mountainous
Soil stony 3rd rate
Timber aspen on 10.00 chs
Mountainous land and dense under-growth on 90.52 chs

August 7 - 19.00

August 8 - 1900 at 8h 00m a.m. l.m.t. I set off 39°30' N on the lat arc: 16°11' N on the decl. arc: and determine a true meridian with the solar at the cor of secs 19 20, 29, and 30
Thence I run
N 0°03' W bet secs 19 and 20
Over mountainous land through

Subdivisions T15 S R7 E Continued

Chains	
	sage brush Ascend
11.50	Top of spur projects S60°E Descend abruptly through pine and aspen timber
39.00	Marked a boulder 5x3x1 ft above ground for witnessed 1/4 sec cor I cut a cross (X) at exact cor point marked 1/4 W.C. on W. side of rock: from which
	A pine 6 ins diam bears N55°E 12 lks, dist marked 1/4 S20 B T
	A pine 8 ins diam bears N75°W 20 lks. dist marked 1/4 S.19 B.T.
40.00	Point for 1/4 sec cor fall on slide rock
42.00	Bottom of Left fork of Huntington Cañon Creek 35 lks wide 6 ins deep runs S.E. Ascend abruptly also leave timber N.W. and S.E.
54.00	Top of spur projects S.W. Ascend also enter timber
61.50	Small draw drains S.W. Ascend abruptly
73.00	Leave timber E. and W.
80.00	Set a sand stone 15x8x4 ins 10 ins in the ground for cor of secs 17, 18, 19 and 20 marked with 3 notches on S and 5 notches on E edges: and raise a mound of stone 2 ft base 1½ ft high W. of cor.
	Pits impracticable
	Land mountainous
	Soil stony 3rd rate
	Timber aspens and pine on 61.00 chs
	Mountainous land on 80.00 chs
	N89°50'E on a random line bet secs. 17 & 20
40.00	Set a temp 1/4 sec. cor.
80.00	Intersect N and S line 11 lks. N. of cor. of secs 16, 17, 20, and 21
	Thence I run
	S89°55'W on a true line bet secs 17 and 20
	Over mountainous land through

Subdivision of T 15 S R 7 E continued

Chains	
	scattering aspen Descend
19.00	Road bears N and S
20 00	Bottom of Huntington Canion Creek 50 lks wide 1 ft. deep runs S. ascend abruptly also leave scattering aspens N and S
4 00	Set a sand stone 14 x 10 x 4 ins 9 ins in the ground for 1/4 sec cor marked 1/4 on N face; and raise a mound of stone 2 ft base 1 ft high N of cor. Pits impracticable
45 00	Enter aspen timber
62 00	Top of spur projects S E Descend also leave timber enter scattering scrub cedar and sage brush
80.00	The cor of secs 17, 18, 19 and 20 Land Mountainous Soil Stony 3rd rate Timber aspen on 3700 cks. Mountainous land and dense under growth on 80,000 cks.

S 8° 45' W on a random line bet secs 18 and 19

4 00 00 Set a temp 1/4 sec cor.

90 35 Intersect the W. bdy of Tp. 26 Lks N of cor of secs. 13 18 19 and 24

Thirty Nine

N 89° 45' E on a true line bet secs 18 and 19 Over mountainous land through dense aspen and pine timber Descend

17.00 Gulch draining N E continues descending

29.00 Left fork of Huntington Canion creek 40 lks wide 6 ins deep runs S E. Ascend abruptly leave dense timber enter scattering N W and S E

46.00 Spur project S W descend

48 00 Small draw drains S W ascend

50 35 Point for 1/4 sec cor fall on a Rock in place 10 x 4 x 1 ft above ground, on which I cut a cross (x) at the exact cor point marked

Chains	
	1/4 cor N side of Rock: from which A pine 6 ins diam bears N 5 lks dist marked 1/4 S.15 B.T. One aspen 6 ins diam bears S 57° W 42 lks dist. marked 1/4 S.15 B.T.
53.00	Top of spur projects S,W. Descend also scove timber N and S enter sage brush
76.00	Head of draw drains S.
90.35	The cor of secs 17, 18, 19 and 20 Land mountainous Soil Stony 3rd rate Timber Aspen and pine on 55.00 chs, mountainous land and dense underyrowth on 90.35 chs August 8 At this cor I set off 16° 0' E on the decl. arc: and at 12h 00m a.m. l.m.t, observe the sun on the meridian the resulting lat. is 39° 30' N.
	N 0° 3 W. bet secs 17 and 18 Over mountainous laind through dense sage brush Ascend abruptly
20.00	Top of ridge bears N.W. and S.E. Descend also enter dense small aspens
40.00	Set a sand stone 16x15x6 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. Continue ascending along N.E. slope
80.00	Set a sand stone 16x15x3 ins 11 ins in the ground for cor of secs 7, 8, 17 and 18 marked with 4 notches on S and 5 notches on E edges: and raise a mound of stone 2 ft base 1½ ft high W of cor. Pits impracticable Trees to small to mark. Land mountainous

Subdivision of T15 S R7 E continued

Chains	
	Soil gravelly 3rd rate Timber small aspen on 80.00 chs Mountainous land on 80.00 chs.
	N89°55'E on a random line bet secs 8 and 17
40.00	Set a temp 1/4 sec. cor.
80.00	Intersect N and S line 11 lks N of cor. of secs. 8, 9, 16, and 17 Thence I run West on a true line bet secs 8 and 17. Over mountainous land through sage brush Descend
2.50	Enter scattering aspens and pine timber
19.00	Bottom of Huntington Cañon River 50 lks wide 1 ft deep runs S leave timber N. and S.
19.75	Road bears N and S Ascend abruptly also enter dense aspen timber
30.00	Ascend ledge 30 ft high bears N and S. leave dense timber enter scattering small aspens ascend rapidly
40.00	Set a sand stone 14 x 11 x 4 ins 9 ins in the ground for 1/4 sec. cor. marked 1/4 on N. face: and raise a mound of stone 2 ft. base 1½ ft high N of cor. Pits impracticable
54.00	Top of Ridge bears N.W. and S.E. leave aspens enter scattering pine Descend abruptly
58.00	Bottom of draw drains S.E. Ascend leave scattering pine enter scattering aspens saplings and dense sage brush
80.00	The cor of secs 7, 8, 17, and 18 Land mountainous Soil Stony 3rd rate Timber aspens on 77.50 chs pine on 31.50 chs Mountainous land and dense undergrowth on 80.00

Subdivision of T15 S R7 E continued

chains	
	S 89° 45' W on a random line bet. secs. 7 and 18
40.00	Set a limp. 1/4 sec. cor.
90.50	Intersect the W bdy of Tp. 10 lks S. of cor. of secs. 7 12 13 and 18
	Thence I run
	N 89° 49' E on a true line bet secs 7 and 18
	Over mountainous land through aspen timber Ascend abruptly
17.00	Top of spur projects S W. Descend gently
30.50	Commence ascend abruptly also leave timber N. and S. enter sage brush
50.50	Set a sand stone 16 x 10 x 5 ins 11 ins in the ground for 1/4 sec cor. marked 1/4 on N. face: and raise a mound of stone 2 ft. base 1½ ft high N of cor Pits impracticable
56.60	Top of ridge bears N.W. and S E Descend abruptly also enter small aspens timber
90.50	The cor of secs 7, 8, 17, and 18
	Land mountainous
	Soil stony 3rd rate
	Timber aspens on 63.40 chs.
	Mountainous land and dense under-growth on 90.50 chs.
	August 8 – 1900
	N 0° 03' W bet. secs. 7 and 8
	Over mountainous land through small aspen timber Ascend gently along S W. slope
11.50	Commence ascend abruptly
32.00	Top of spur projects S E Descend gently along E slope
40.00	Set a sand stone 16 x 11 x 4 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
	Timber to small not suitable for bearing trees

Subdivision of Tp 15 S R 7 E continued

chains	
55.00	Commence ascend rapily
77 00	Top of spur projects N. E. Descend abruptly
80.00	Set a sand stone 14 x 12 x 6 ins 9 ins in the ground for cor. of secs 5. 6. 7. and 8 marked with 5 notches on S and E edges: and raise a mound of stone 2 ft base 1½ ft high W of cor. Pits impracticable.
	Land mountainous
	Soil gravelly 3rd rate
	Timber small aspens on 80.00 chs.
	Mountainous land and dense under growth on 80.00 chs

August 9 - At 9h 00m a. m. l. m. t. I set off 39°32' N on the lat. arc: 15°03' N on the decl. and determine a true meridian with the solar at the cor. of secs. 5. 6. 7. and 8

Thence I run

East on a random line bet secs 5 and 8

40.00	Set a temp 1/4 sec. cor.
80.00	Intersect the cor of secs 4. 5. 8 and 9

Thence I run

West on a true line bet secs 5 and 8

Over mountainous land through scattering aspen and pine timber

Descend abruptly

4.25	Commence descend over ledges
14.00	Bottom abrupt descent. thence descend gradually
26 00	Road bears NW and S
37.00	Bottom of Huntington Cañon over 50 lks. wide 1 ft deep runs S leave timber N and S enter small willows
40 00	Set a sand stone 12 x 10 x 6 ins 8 ins in the ground for 1/4 sec. cor. marked 1/4 on N face: and raise a mound of stone 2 ft base 1½ ft high N of cor. Pits impracticable

Cor located in a patch of small willows

Subdivision of T15 S. R.7 E. continued

Chains

41.75 Leave willow enter small aspen timber
Ascend abruptly
78.50 Top of spur projects N E Descend
80.00 The cor. to secs. 5.6.7 and 8
Land mountainous
Soil stony 3rd rate
Timber pine on 37.00 chs aspens on 76.25 chs
Mountainous land and dense undergrowth
on 80.00
August 9 - At this cor I set off 15°51' N on the
decl. arc: and at 12h 00m m. l.m.t.
observe the sun on the meridian the
resulting lat. is 39°31' N.

S 89°49' W on a random line bet secs 6 and 7
4.00 Set a temp 1/4 sec. cor.
90.15 Intersect the W bdy of Tp. 8 lks S of cor.
of secs. 1.6.7. and 12
Thine I run
N 89°52' E on a true line bet secs 6 and 7.
Over mountainous land through
dense pine and scatterings aspens
timber Descend
19.00 Bottom of ravine drains N. ascend abruptly
35.00 Top of spur projects N.E. Descend also
leave timber N. and S. enter small aspens
50.15 Set a sand stone 15 x 13 x 5 ins 10 ins in the
ground for 1/4 sec. cor. marked 1/4 on N face;
and raise a mound of stone 2 ft base
1 1/2 ft high N of cor. Pits impracticable
63.00 Bottom of draw drains N E Ascend
90.15 The cor. of secs 5.6.7 and 8
Land mountainous
Soil gravelly 3rd rate
Timber pine and aspens on 35.00 chs
small aspens 55.15 chs
Mountainous land and dense under-
growth on 90.15 chs.

Chains | Subdivision of T 15 S. R 7 E continued

Chains	
	N 0° 03' W on a random line bet secs 5 and 6
40.00	Set a stone 1/4 sec cor.
96.82	Intersect the N bdy of Tp 3 lks E of cor of secs. 5, 6, 31 and 32
	Thence E nm
	S 0° 04' E on a true line bet secs 5 and 6
	Over mountainous land through small aspens Ascend
15.00	Enter bottom of Huntington canon leave aspens enter willows
15.00	Road bears N.W. and S.E.
21.00	Huntington river 40 lks wide 1 ft deep runs S.E.
29.00	Road bears N.E. and S.W. Ascend also leave bottom, and willows enter small aspens, and scattering pine
50.00	Top of short projects N.E. descend
56.82	Set a sand stone 14 x 13 x 6 ins E 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 inspectible No trees within limits
73.00	Bottom of draw drains N.E. Ascend
96.82	The cor of secs. 5, 6, 7 and 8
	Same mountainous
	Soil gravelly 3rd rate
	Timber small aspens on 82.82 chs.
	scattering pine 57.82 chs
	Mountainous land and dense undergrowth on 96.82 chs

August 4 — 1900

General discription

This township consists of mountainous land a portion of which is suitable for grazing: this being found in the eastern portion of the township and furnishes feed for cattle and sheep pastured in this locality during the summer months.

Timber is found throughout the

township and consists of pine and aspen on the eastern and western portions most of the timber found is suitable for sawing purposes.

The township is well watered by numerous streams and springs of pure fresh water forming the tributaries to Huntington river which flows through the westerly portion of the township from N. to S.

There are indications of coal sufficient to warrant returning the following secs. as coal land 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11 16, 17, 18, 19, 20, 21 22 23 24, 25, 26, 27 28 29 30 31 32 33 and 34

There are no other minerals in the township.

John Hogg has a ranch in the E. half of sec 14 (DE No 1715) He has made about $100.00 worth of improvements in the way of fences and clearing etc.

I could find no trace of any land owned by Chas. E Kitchener applicant for survey

James C Dick
MD Dep Surveyor

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:

In final affidavit see Lot 27 Tp 15 S. R 5 E.

....., *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 .....

In final affidavit see Lot 27 Tp 15 S. R 5 E.

....., *Chainman.*

....., *Chainman.*

....., *Moundman.*

....., *Moundman.*

....., *Axman.*

....., *Axman.*

....., *Flagman.*

.....

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

day of ....., 189

SEAL

.....

.....

4-161

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 surveys 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 submit 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, January 2, 18

The foregoing field notes of the survey of the subdivisions of Township 12 South, Range 7 East of the Salt Lake Base and Meridian, Utah,

executed by James C. Peck

under his contract No. 232, dated December 24, 1897, having critically examined, and the necessary corrections and explanations made, the said field notes, and surveys they describe, are hereby approved.

Edward M. Anderson

United States Surveyor G

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

.....

United States Surveyor Ge

6—151

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BOOK A-275

H.J.B.

FIELD NOTES

Retracement
OF THE ~~SURVEY~~ OF THE

West and North

Boundarys

of

T15S R6E

Of the Salt Lake Base and Meridian,

State of Utah

AS SURVEYED BY

James C Dick, United States Deputy Surveyor,

Under his Contract No. 233, dated November 24th, 1899

Retracement ~~Survey~~ commenced August 11-1900, ~~189~~

Retracement ~~Survey~~ completed August 13-1900, ~~189~~

6—151

[illegible] 3-01-19 ✓

do [illegible] 5-7[illegible]-27 ✓

9 00 [illegible]

NAMES AND DUTIES OF ASSISTANTS.

Earnest Toone	Chainman
Oliver C Sondon	Chainman
Jay Morrison	Moundman
David H Wood	Axman
Harry A Rager	Flagman

For preliminary affidavits see Book "B" Tp 17 S R 8 E.

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Volume

#

R0275

BOOK A-275

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, _____ and _____

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

_____

_____, *Chainm*

_____, *Chain*

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 establ ... of corners, according to the instructions given us, to the best of our skill and ability, in the surve

_____

_____, *Moundn*

_____, *Mound*

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 ... and other duties, according to instructions given us, to the best of our skill and ability, in the surv

_____

_____, *Axm*

_____, ...

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

SEAL

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

_____, *Flag*

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

SEAL

4—VII

Retracement of the W. bdy. of T. 15 S. R. 6 E. Continued

Retracement commence August 11-1900 and executed with a Buff and Burger light mountain transit with solar attachments for a description of which see Book P.
I examine the the adjustments of the transit and correct the level and collimation errors; then to test the solar apparatus by comparing its indacations resulting from solar observations made during A.M. and P.M. hours, with a true meridian determined by observations on Polaris I proceed as follows,
August 11 at my camp located about 2 miles E. of the cor. of secs. 13 18 19 and 24 on W. bdy. of T. latitude 39° 30' N longitude 111° 18' W. I set a stake 3 ins square 20 ins long 16 ins in the ground and at 4h 00m P.M. l.m.t. I set off 39° 30' N on the Lat. arc 15° 13' N on the decl arc; and determine with the solar a true meridian; and mark a point thereof on a stake set firmly in ground 5 chs N of my station.
At 10h 17m P.M. l.m.t. I observe Polaris at eastern elongation in accordance with Manual of Instruction, and mark a point on line thus determined on a plug driven in the ground 5 chs. N. of my station.
August 11-1900

August 12-1900 at 7h 00m a.m. l.m.t. I lay off the azimuth of Polaris 1° 35' to the west and mark the true meridian thus determined by cutting a small groove in the stake set August 11 on which the true meridian falls 0.2 ins west of the mark determined by the solar
At 7h 30m a.m. l.m.t. I set off 39° 30' N on the Lat arc; 15° 01' N on the decl. arc, and mark a point in the true meridian determined with the solar, by a cross on the stake

already set 5.00 chs. N. of my station; this mark falls 0.25 ins. west of the true meridian established by the Polaris observation.
The solar apparatus by P.M. and A.M. observations, defines positions for true meridians respectively about 0'.11" east and 0'.13" west of the true meridian established by the Polaris observations; therefore, I conclude the adjustments of the instrument are satisfactory.
The magnetic bearing of the true meridian at 7h 30m A.M. l.m.t. is N 16 03 W the angle thus determined, reduced by the table, page 100, gives the mean mag. decl. 15° 57' E
Preliminary to commencing the subdivision of this township I retrace the N 3 miles of the W. bdy. as follows.
August 12-1900 at 8h 30m A.M. l.m.t. I set off 39° 30' N on the Lat. arc. 15° 01' N on the decl. arc. and determine a true meridian with the solar at the cor. of secs 13, 18, 19 and 24 on the W. bdy. of this township which is a sand stone 10 x 9 x 12 ins above ground marked and witnessed as described by the Surveyor General
Thence I run
North on retracement line bet secs 13 and 18
Over mountainous land through sage brush
Ascend abruptly
12.00 Top of abrupt ascent thence ascend gently
20.00 Top of short spur project E Descend
30.00 Commence descend abruptly
40.18 Head of Draw drains S.E. Fall 124 lk E. of the old 1/4 sec cor. which is a sand stone 10 x 6 x 12 ins above ground marked and witnessed as described by the Surveyor General.
The course of this line is therefore N 1' 46" W
From 1/4 cor. I run North
72.50 Top of divide bet San Pete and Castle valley drainage bears N 5 E and S 5° W Continue ascending along W slope
80.40 Fall 1.24 chs E of old cor. of secs 7, 12, 13, and 18 which is a sand stone 12 x 6 x 13 ins above ground

marked and witnessed as described by the Surveyor General.
The course of this line is therefore N 1.46 Wadesdawn 80.44 ch
Land mountainous
Soil stony 3rd rate
Timber none
Mountainous land on 80.44 chs.

North on retracement line bet secs. 7 and 12
Over mountainous land through sage and shad scale brush Ascend gradually.
40.20 Fall 103 lks E of old 1/4 sec. cor. which is sand stone 14 x 5 x 11 ins above ground marked and witnessed as described by the Surveyor General.
The course of this line is therefore N 1.28 W
From 1/4 sec cor from North
80.40 Fall 103 lks E. old sec. cor. of secs 1, 6, 7 and 12 which is a sand stone 10 x 8 x 10 ins above ground marked and witnessed as described by the Surveyor General.
The course of this line is therefore N 1.28 W 80.43 chs
Land mountainous
Soil stony 3rd rate
80.43 Timber none
Mountainous land on 80.43 chs.
August 12 1900 At this cor. I set off 14.58 N on the ded. arc: and at 12.00 m. l.m.t. I observe the sun on the meridian the resulting Lat. is 39.32 N.

North on retracement line bet secs 1 and 6
Over mountainous land through sage brush Ascend.
4.00 Head of draw drains S.W. Ascend
30.00 Top of spur projects S.W. enter scattering

chains	
	pine timber Descend
40.14	Fall 126 lks E of old 1/4 sec. cor which is a sand stone 12 x 13 x 13 ins above ground marked but not witnessed I witnessed the same as follows.
	A pine 18 ins diam. bears N 70° W 2.0 lks. dist. Marked 1/4 S, 1 B. T. The course of line is N 1° 48' W No trees in sec 6 within limits. From cor. I run N
59.00	Ditch 2 lks wide 1 in deep runs W. Ascend
80.28.	Fall 126 lks E of old Tp cor of Tp 14 and 15 S Rs 5 and 6 E which is a sand stone 12 x 7 x 12 ins above ground marked and witnessed as described by the Surveyor General
	The course of this line is N 1° 48' W dist. 80.32 chs.
	Land Mountainous
	Soil stony 3rd rate
	Timber scattering pine on 50.28 chs
	Mountainous land on 80.32 chs

For the general description see notes of the subdivisions of this Tp.

James C. Dick
U.S. Dep. Surveyor

Retracement of the N bdy of T15S R6E

chains

Retracement commenced August 13-1900 and executed with a Buff and Berger light mountain transit with solar attachment for a description of which see Book P. For a complete list of the solar apparatus see notes of the retracement of the fractional W bdy of this township see book L

August 13-1900 at 8h 00m a.m. l.m.t. I set off 39° 33' N on the Lat arc: 14° 43' N on the decl. arc: and determine a true meridian with the solar at the old cor. of Tps 14 and 15 S Rs. 5 and 6 E heretofore described

Thence I run

East on a retracement line bet secs. 6 and 31

Over mountainous land. Ascend gently

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

3.00 Top of Divide bet. San Pete and Castle valley drainage Descend abruptly On the E side of this divide snow lay all year

4.00 Small ditch drains S. This ditch is used to collect snow water for irrigation purposses in San Pete valley

13.00 Bottom of abrupt descent descend gently From this place numerous springs take their course

24.00 Bottom of head of draw spring branch 5 lks wide 3 ins deep drains N E also enter scattering pine timber Ascend N.W. slope

39.83 Fall 150 lks N of old 1/4 sec cor which is a pine 18 ins. diam. marked and witnessed as described by the Surveyor General The course and distance is therefore S 87° 57' E 39.86 dist. From the old 1/4 cor. I run east

74.00 Leave pine timber N.E. and S.W.

78.00 Top of spur projects S. 86° E.

79.83 Fall 1.30 chs. S of old cor. of secs. 5, 6 31 and 32 which is a sand stone 10 x 12 x 6 ins above ground marked and witnessed as described by the Surveyor General

#7988

Retracement of the N bdy of T15S R6E continued

Chains	
	The course of this line is therefore N88°08'E 40.02 chs dist. Land mountainous Soil stony 3rd rate Timber pine on 6.2 chs. Mountainous land on 79.88 chs.
	East on retracement bet secs 5 and 32 Over mountainous land Descend on NE slope
25.00	Commence descend abruptly
39.50	Bottom of abruptly descent
40.00	Fall 10 lks N. of old 1/4 sec. cor. which is a sand stone 12x4x8 ins above ground marked and witnessed as directed by the Surveyor General
47.00	Enter pine and aspen timber.
79.75	Fall 37 lks S of old cor of secs. 4, 5, 32 and 33 which is an aspen 8 ins diam marked but not witnessed & therefore witnessed the same as follows. An aspen 6 ins diam, bears N89½ E 40 lks, dist, marked T14S, R6E, S33 B.T. An aspen 6 ins diam bears S3° E 69 lks, dist, marked T15S, R6E, S4 B.T. An aspen 8 ins diam bears S12° W 28 lks, dist, marked T15S, R6E, S5 B.T. An aspen 8 ins diam bears N72° W 199 lks dist marked T14S R6E S32 B.T. Land mountainous Soil rocky 2nd rate Timber pine and aspens on 32.76 chs Mountainous land on 79.75 chs, The course of this line is therefore N89°44'E

Retracement of the N bdy of T15S R6E continued

East retracement line bet. secs. 4 and 33
Over mountainous land through aspen
and pine timber Descend
7.00 Old road bears N.E. and S.W.
8.50 Wash drains N.E. Ascend
25.00 Top of small spur projects N.E. Descend
41.90 Fall 91 lks. N of old 114 sec. cor. which is a
sand stone 10x2x5 ins above ground
marked and witnessed as described
by the Surveyor General. The course
of this line is therefore S88°45'E 41.91 chs
dist. From old cor I run east
63.00 Bottom of creek 10 lks wide 4 ins. deep drains
N.E. Ascend
73.00 Top of spur projects N. Descend
83.17 Fall 55 lks N of old cor of secs 3, 4, 33 and
34 which a sand stone 12x4x11 ins above
ground marked and witnessed as
described by the Surveyor General
The course and distance of this line is
therefore N89°14'E 41.27 chs
Land mountainous
Soil loam and gravelly 2nd and 3rd rates
Timber. Aspen and pine
Mountainous land on 83.17 chs
August 13-1900 At this cor I set off 14°39' N
on the decl. arc: and at 12h 00m [illegible]
observe the sun on the meridian the
resulting Lat. is 39°33' N.

East on retracement line bet secs. 3 and 34
Over mountainous land through sage
brush Descend
11.00 Road bears N and S enter meadow
13.00 Spring branch 3 lks wide 2 ins deep drains
N.E.
20.00 Leave meadow. Ascend rapidly
29.00 Top of spur projects N thence along N slope

Retracement of the N. bdy of T 5 S R 6 E. continued

	also enter scattering pine and aspens
39.95	Fall 6.59 chs. N 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 The course of this line is therefore S 87.43' E 39.98 chs. dist. From old 1/4 cor. I run East
48.00	Commence descend abruptly leave timber
60.00	Bottom of crick 8 lks wide 4 ins deep drains S.E. Ascend
67.00	Top of spur projects S.E. Descend
74.00	Bottom of left fork of Huntington River 20 lks. wide 12 ins deep drains S 5 E Ascend
79.71	Fall 1.12 chs S of old cor. of sec. 1, 2, 3, 34 and 35 which is a sand stone 9 x 5 x 9 ins. above ground marked and witnessed as described by the Surveyor General. The course and distance is therefore N. 8° 22' E 39.78 chs. dist; Land Mountainous
79.76	Soil loam and gravelly 2nd and 3rd rates Timber Aspen and pine on 19.00 chs. Mountainous Land on 79.76 chs
	East on retracement line bet secs 2 and 35 Over Mountainous Land through sage brush Ascend
8.00	Top of spur projects S Descend
20.00	Bottom of Ravine drains S 10° W Ascend
31.50	New grade for Wagon road to coal mine bears N 10° W and S 10° E
34.00	Enter aspen timber Commence ascend abruptly
40.00	Fall 28 lks N of old 1/4 sec. cor. which is a sand stone 10 x 4 x 8 ins above ground marked and witnessed by the Surveyor General Corner located in small aspens The course and distance of the line is therefore S 8° 36' E 40.00 chs dist,

57.00 Small spring runs S.
64.00 Small draw drains S continue ascending
70.00 Leave aspen timber into scrub aspens
77.60 Fall 38 lks S of old cor of secs 1, 2, 35 and 36 which is a sand stone 10 x 6 x 6 ins above ground marked and witnessed as described by the Surveyor General The course of this line is thereon N 89° 25' E 37.60 chs
Land Mountainous
Soil gravelly 3rd rate
Timber Aspens on 43.60 chs
Mountainous land on 77.60 chs

East on Retracement line bet secs 1 and 36
Cross mountainous land Ascend
.20 Spring branch runs S W, 1 link wide
20.00 Top of ridge bears N, W, and S, E, Descend
24.00 Enter pine and aspen timber
34.00 Bottom of draw drains N. E, Ascend
40.00 Fall 24 lks S of old 1/4 sec cor: which is a sand stone 10 x 8 x 6 ins above ground marked but not witnessed Thereon witnesses the same as follows
A pine 8 ins diam, bears S 21° W, 25 lks dist, marked 1/4 S 1 B T
A pine 6 ins diam, bears N 3° E 32 lks dist, marked 1/4 S 36 B T
52.00 Top of spur projects N.E. Descend
79.30 Fall 35 lks S of old cor of Tps 14 and 15 S R 6 and 7 E, which is a sand stone 16 x 14 x 14 ins above ground marked and witnessed as described by the Surveyor General The course of this line is thereon N 89° 45' E
Land Mountainous
Soil stony 3rd rate
Timber pine and aspens on 55.30 chs
Mountainous land on 79.30 chs

For the general description see subdivision notes of this township. August 13-1900

Retracement of N bdy of T15S, R6E.

James C Dick
MS Dep Surveyor

No officer authorized to administer oaths other than myself being available without great inconvenience, delay and expense I administer the required final oaths.

James C Dick
MS Dep Surveyor

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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 James C. Dick, United States Deputy Surveyor, to assist in running, measuring, and retracement or re-
g the lines and corners described in the foregoing field notes of the survey of W.bdy.T.17 S.,R.5 E.; W.bdy.T.17 S.,R.7 E.; S.,W., and N.boys. and N. and W.boys.T.16 S.,R.6 E.; of the Salt Lake Meridian, Utah.

Oliver C. Loudon, *Chainman.*

Jay Morrison, *Moundman.*

, *Moundman.*

David A. Wood, *Axman.*

, *Axman.*

Harry A. Rager, *Flagman.*

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted James C. Dick, United States Deputy Surveyor, in retracing or re-surveying all
ose parts or portions of the W.bdy.T.17 S.,R.5 E.; W.bdy.T.17 S.,R.7 E.; S.,W. and N.boys. and N. and W.boys.T.16 S.,R.6 E.,of the Salt Lake Base and Meridian, Utah.

~~Meridian~~, ~~of~~, which are represented
the foregoing field notes as having been re-surveyed by him and under his direction; and that said survey
s been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the
ner monuments established, according to the instructions furnished by the United States Surveyor
neral for Utah.

Earnest C. Wood, *Chainman.*

Oliver C. Loudon, *Chainman.*

Jay Morrison, *Moundman.*

, *Moundman.*

David A Wood, *Axman.*

, *Axman.*

Harry A. Rager, *Flagman.*

bscribed and sworn to before me this 13 th
day of August 1900, ~~189~~

SEAL

James C Dick
U.S. Dep. Surveyor

—151

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR

I, James C. Dick, United States Deputy Surveyor, solemnly swear that, in pursuance of a contract received from Jacob B. Blair United States Surveyor General for the District of Utah, bearing date of 24th day of November, 1899, I have well, faithfully, and truly, in my c proper person, and in strict conformity with the instructions furnished by the United States Su General for the District of Utah, the Manual of Surveying Instructions, and the laws of United States, re surveyed or retraced all those parts or portions of the S. W. & N. Boundaries T. 17 S. R. 8 E. W. Boundary T. 17 S. R. 7 E. – S. W. & N. Boundaries T. 17 S. R. 6 E. and the N. & W. Boundaries T. 15 S. R. 6 E.

of the Salt Lake Base and meridian, in the State of Utah, which are represented in foregoing field notes included in Bk. B. J. K. M. P. & Z. as having been re surveyed or retraced by me, and under my direction; and I do further solem swear that all the corners of said re 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 the District of Utah 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 su the penalty of perjury under the provisions of an Act of Congress approved August 8, 1846.

James C. Dick
United States Deputy Surve

Subscribed by said James C. Dick, and sworn to before me this 13th day of May, ~~189~~ 1901

Edward H. Anderson
United States Surveyor Gen

SEAL

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah November 2, 1906

The foregoing field notes of the ~~survey~~ retracement of the West & North Boundaries of Township 15 South Range 6 East of the Salt Lake Base & Meridian Utah

executed by James C. Dick under his contract No. 233, dated November 24, 1899, having critically examined, and the necessary corrections and explanations made, the said field notes, and surveys they describe, are hereby approved.

Edward H. Anderson
United States Surveyor Gen

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

United States Surveyor Gen.

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BOOK A-275

FIELD NOTES

OF THE SURVEY OF THE

West Boundary

of

T15S R6E

Of the Salt Lake Base and Meridian,

State of Utah

AS SURVEYED BY

James C. Dick, United States Deputy Surveyor,

under his Contract No. 233, dated November 24, 1899

Survey commenced August 14-1900, ~~189~~

Survey completed August 14-1900, ~~189~~

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BOOK A-415

NAMES AND DUTIES OF ASSISTANTS.

Earnest Toone	Chainman
Oliver C Loudon	Chainman
Jay Morrison	Mounderman
David H Wood	Axman
Harry A Rager	Flagman

For preliminary affidavits see book D. Pp. 17 & 18 &c.

BOOK A-275

INDEX DIAGRAM.

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

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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 th chain over even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; tha 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 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

_____

_____, *Axman*

_____, *Axman.*

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

SEAL

_____

_____

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

_____, *Flagman*

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

SEAL

_____

_____

West bdy of T15S R6E

Survey commence August 14-1900 and executed with a Buff and Berger light mountain transit with solar attachments for a description of which see book P.

For a complete test of the solar apparatus see notes of retracement of the N 3 mile of the W bdy of this township See book $\frac{7}{3}$ August 14-1900 At 8h 00m a m l m t, I set off 39° 28' N on the lat. arc; 1425 N on the decl. arc; and determine a true meridian with the solar at the old Standard cor. of Tps 15 S Rs 5 and 6 E heretofore described

Thence I run

North on a random line along W bdy. of T15S R6E setting temp. 114 sec and sec corners at intervals 40.00 and 80.00 chs. and at 244.61 chs. intersect 4.11 chs. E Fry of old cor. of secs. 13 18 19 and 24 which is a sand stone 10 x 9 x 12 ins. above ground marked and witnessed as described by the Surveyor General, this falling exceeds the limits prescribed in the Manual therefore from the old cor above described. I run

South on a true line bet secs 19 and 24

Over mountainous land through sage brush Descend abruptly

9.00 Commence ascend

13.00 Point of spur projects E Descend abruptly

30.00 Bottom of gulch drains N75E Ascend abruptly

32.00 Enter scattering pine timber

44.61 Set a sand stone 16 x 12 x 4 ins 11 ins. in the ground for 1/4 sec. cor. marked 1/4 on W face; from which

A pine 7 ins diam. bears N75W 28 lks dist marked 1/4 S 24 B. T.

Chain	
	No trus in sec 19 within limits therefore I raise a mound of stone 2 ft base 1½ ft high W of cor. Pits impracticable
68.00	Top of abrupt ascent leave timber
84.61	Top of divide bet. San Pete and Castle valley drainage bears N5W and S20E Set a sand stone 16x12x4 ins 11 ins in the ground for cor. of secs 19 24 25 and 30 marked with 4 notches on N and 2 notches on S edges; and raise a mound of stone 2 ft base 1½ ft high W of cor. Pits impracticable
	Land mountainous
	Soil stony 3rd rate
	Timber scattering pine on 32.00 chs, Mountainous land on 84.61 chs.
	August 14 at this cor. I set off 14°21' N on the decl. arc; and at 12h00m m l.m.t. Observe the sun on the meridian the resulting Lat. is 39°30' N.
	South on a true line bet secs. 25 and 30 Over mountainous land through scattering pine Descend
9.00	Commence descend abruptly
40.00	Set a sand stone 12x12x5 ins 8 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. Pits impracticable
	No trus within limits
46.00	Spring 4.00 chs E of line
70.00	Spring 4.10 chs. E of line
80.00	Set a sand stone 12x12x5 ins 8 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

West bdy of T15 S R6 E continued

drains

A pine 14 ins diam, bears N35W 87 lks dist, marked T15 S, R5 E, S25 B.T.
No trees in secs, 30 31 and 36 within limits therefore I raise a mound of stone 2 ft base 1½ ft high W. of cor, Pits impracticable
Land mountainous
Soil story 3rd rate
Timber pine 8000 chs
Mountainous land on 8000 chs

South on a true line bet. secs, 31 and 36
Over mountainous land through scattering pine and aspen timber
Descend
6.00 Spring 4.00 chs E of line
23.00 Bottom of ravine spring branch 8 lks, wide 2 ins deep drains S, E, Ascend also enter dense pine timber
25.00 Road bears W and S75E
25.10 Cabin bears E 4.00 chs dist,
40.00 Set a sand stone 22X18X4 ins 16 ins in the ground for ¼ sec cor. marked 1/4 on W face; from which
A pine 16 ins diam bears S31E 36 lks, dist, marked 1/4 S31 B.T.
A pine 30 ins diam, bears N52W 96 lks dist marked 1/4 S36 B.T.
53.75 Top of ridge bears N75W and S60E
Descend leave timber
69.75 Bottom of ravine spring branch 4 lks, wide 2 ins deep runs S, E, Ascend also enter timber
76.00 Road bears N.W. and S, E,
80.00 Intersect the 3rd. Standard Parallel south 4.11 chs. W of the old standard cor. of Tp 15 and 16 S R5 and 6 E heretofore described at my point of intersection I set a sand stone 14X12X4 ins. 8 ins. in the ground for closing Standard cor. for T15 S R5 and 6 E, marked S.C.C.C.

15 S. on N. 6 E. on E and 5 E on W faces; with 6 grooves on N E and W faces; from which
A pine 6 ins diam. bears N45½ E 60 lks dist, marked T.15 S. R.6 E. S.31 B.T.
A pine 7 ins diam. bears N43½ W 146 lks dist marked T.15 S. R.6 E. S.36 B.T.
I distinguished the old Standard Pt. cor. and at a point 5.55 chs. E of the closing cor. above mention and 18.84 chs S of the Cor. of T16S R6E I marked a pine 16. diam. for closing cor. of T.16 S. R.5 E. marked C.C. R.5 E. on W. T.16 S. on S. and S.1 on S & N. sides with 6 grooves on S. and W. faces: from which
A pine 8 ins diam. bears S10 W 34 lks dist, marked T.16 S. R.5 E. S.1 B.T.
I also raised a mound of stone 2 ft. base 1½ ft. high S & W of Cor. It is impracticable,
Land Mountainous
Soil stony 3rd rate
Timber pine on 64.00 chs
Mountainous land on 80.00 chs

August 14-1900

For the general discription see notes of the subdivision of this township

James C Dick
Mc Dep Surveyor

No officer authorized to administer oaths other than myself being available without great inconvenience, delay and expense I administer the required final oaths.

James C Dick
Mc Dep Surveyor

Line Designated	True Bearing	Dist.	Latitudes N. Chs.	Latitudes S. Chs.	Departures E. Chs.	Departures W. Chs.
(West Bdy. T15S R6E)						
East Bdy. Sec. 36	North	80.00	80.00			
East Bdy. Sec 25	North	80.00	80.00			
East Bdy. Sec. 24	North	84.61	84.61			
East Bdy. Sec. 13	N. 1°46'W.	80.44	80.40			2.48
East Bdy. Sec. 12	N 1°28'W.	80.43	80.40			2.06
East Bdy. Sec. 1 (North Bdy. T15S. R6E)	N 1°48'W.	80.32	80.28			2.52
North Bdy. Sec. 6	S. 87°51'E.	39.86		1.50	39.83	
" " " "	N 88°08'E.	40.02	1.30		40.00	
North Bdy. Sec. 5.	N 89°44'E	79.75	0.37		79.75	
North Bdy. Sec. 4.	S. 88°45'E	41.91		1.91	41.90	
" " " "	S. 89°44'E.	41.27		.55	41.27	
North Bdy Sec. 3	S. 87°43'E	39.98		1.59	39.95	
" " " "	N 88°22'E	39.78	1.13		39.76	
North Bdy. Sec. 2	S. 89°36'E.	40.00		.28	40.00	
" " " "	N 89°25'E	37.60	.38		37.60	
North Bdy. Sec. 1	N 89°45'E	79.30	.35		79.30	
East Bdy T15S R6E (South Bdy T15S R6E)	South	465.45		465.45		
South Bdy. Sec. 36	West	80.00				80.00
South Bdy. Sec. 35	West	80.31				80.31
South Bdy. Sec. 34	West	80.37				80.37
South Bdy. Sec. 33	West	79.92				79.92
South Bdy. Sec 32	West	80.00				80.00
South Bdy Sec. 31	West	68.30				68.30
" " " "	South	18.84		18.84		
" " " "	West	5.55				5.55
Convergency					.59	
			489.22	490.12	479.95	481.51
				489.22		479.95
Errors in lat.				0.90	Error in Dep.	1.56

James C Dick
U.S. Dep. Surveyor

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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 James C. Dicks.

showing the respective capacities in which they acted:

Earnest Towne, Chainman.
Oliver C. Landon, Chainman.
J. Morrison, Moundman.
, Moundman.
David H Wood, Axman.
, Axman.
Harry A Rager, Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted James C Dicks
, United States Deputy Surveyor, in surveying all
ose parts or portions of the
and W.bdys.T.17 S.,R.6 E.; W.bdy.T.16 S.,R.6 E.; E.and W.bdys.T.15 S.,R.6 E.; S.and N.bdys.T.17 S.,R.7 E.; S.bdy.T.17 S.,R.6 E.; W.and E.bdys.T.16 S.,R.6 E.; W.and E.bdys.T.15 S.,R.7 E.; and W.bdy.T.15 S.,R.6 E.,of the Salt Lake Base and Meridian,Utah.

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

Earnest Towne, Chainman.
Oliver C. Landon, Chainman.
Jay Morrison, Moundman.
, Moundman.
David H Wood, Axman.
, Axman.
Harry A. Rager, Flagman.

ibed and sworn to before me this 14th day of August, 1900

SEAL

James C Dicks
U.S. Dep. Surveyor

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FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, James C. Dick United States Deputy Surveyor, solemnly swear that, in pursuance of a contract received from Jas. B. Blair United States Surveyor General for the District of Utah, bearing date of the 24 day of November, 1899, 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 District of Utah, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of the N & W Boundaries T17S R8E, West Boundary T16S R8E – N & W Boundaries T15S R8E, S & N Boundaries T17S R7E, S Boundary T17S R6E, W & E Boundaries T16S R6E – W & N Boundaries T15S R7E and the W Boundary T15S R6E of the Salt Lake Base and meridian, in the State of Utah, which are represented in the foregoing field notes included in books D.H.N.G.V.Z.Z.3 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 the District 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, I will suffer the penalty of perjury under the provisions of an Act of Congress approved August 8, 1846.

James C. Dick
United States Deputy Surveyor.

Subscribed by said James C. Dick, and sworn to before me this 13th day of May, ~~189~~ 1901

Edward H. Anderson
United States Surveyor-General

SEAL

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City Utah November 2, 1901

The foregoing field notes of the survey of the West Boundary of Township 15 South Range 6 East of the Salt Lake Base & Meridian Utah

executed by James C. Dick under his contract No. 233, dated November 24, 1899, having been critically examined, and the necessary corrections and explanations made, the said field notes, and surveys they describe, are hereby approved.

Edward H. Anderson
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-275

R.3.B.

FIELD NOTES

OF THE SURVEY OF THE

Subdivision

of

T15S R6E

Of the Salt Lake Base and Meridian,

State of Utah

AS SURVEYED BY

James C Dick, United States Deputy Surveyor,

Under his Contract No. 233, dated November 24, 1899

Survey commenced August 15-1900, 189

Survey completed August 26-1900, 189

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Sub- Legs 58-63-77

Disc- 1-27 Oil

NAMES AND DUTIES OF ASSISTANTS.

Earnest Toone — Chainman

Oliver C London — Chainman

Jay Morrison — Moundman

David H Wood — Axman

Harry A Rager — Flagman

For preliminary affidavits see book E. Tp 17 S R 8 E.

Volume

#

R0275

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BOOK A-275

INDEX DIAGRAM.

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

_____, *Chainm*
_____, *Chainm*

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

SEAL

_____
_____

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

_____, *Moundm*
_____, *Moundm*

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

SEAL

_____
_____

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

_____, *Axm*
_____, *Axm*

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

SEAL

_____
_____

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

_____, *Fl*

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

SEAL

_____
_____

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Subdivision of T. 15 S. R. 6 E.

Subdivision Commenced August 15 1900 and executed with a Buff and Burger light mountain transit with solar attachment for a description of which see book P

For a complete test of the solar apparatus see notes of the retracement of the W. bdy. of this Tp. book T 3.

Knowing from previous survey of the third Standard parallel South which is also the S. bdy. of this Tp. that a sectional correction line would be necessary I proceed as follows:

August 15 at 7 h 00 m A.M. L.M.T. I set off 39° 29' N on the Lat. arc; 14° 07' N on the decl. arc; and determine a true meridian with the solar at the cor. of secs. 25, 30, 31 and 36 on the E bdy of this Tp.

Time I run

West 8.00 a sectional correction line bet. secs. 25 and 36

Over mountainous land through aspen and pine timber Ascend

14 00 Bottom of draw drains N E Ascend

leave pine timber

18 00 Spring on line

40.00 Set a sand stone 16 x 9 x 6 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 S 43° W 23 lks. dist marked 1/4 S. 36 B. T.

62 00 Spring 30 lks N of line

63 00 Leave aspens timber N. and S. also commence ascend abruptly

80.00 Top of ridge bears N E and S W junction 30.00 chs S. W.

Set a sand stone 21 x 10 x 4 ins 15 ins in the ground for cor. of secs. 25, 26, 35 and 36 marked with 1 notche on S and E edges: and raise a mound of stone 2 ft base 1 ft high W of cor.

Pits impracticable
Land mountainous
Soil gravelly 3rd rate
Timber pine on 14.00 chs Aspen 63.00 chs.
Mountainous land on 80.00 chs.

West on a sectional correction line bet. secs. 26 and 35
Over mountainous land through shade scale brush descend gently
20.00 Head of draw drains N ascend
34.00 Top of Ridge bears nearly N and S. Descend abruptly
35.00 Enter pine timber
40.00 Set a sand stone 16 x 8 x 4 ins 11 ins in the ground for 1/4 sec. cor. marked 1/4 on N. face; from which
A pine 10 ins diam bears N 15° W 69 lks dist marked 1/4 S. 26 B.T.
A pine 8 ins diam bears S 37° E 90 lks dist, marked 1/4 S. 35 B.T.
44.00 Leave pine enter scattering aspens timber and willows brush
80.00 Set a sand stone 18 x 10 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. from which
An aspen 8 ins diam bears N 11° W 163 lks dist marked T. 15 S. R. 6 E. S. 27 B.T.
An aspen 10 ins diam bears N 48° E 134 lks dist marked T. 15 S. R. 6 E. S. 26 B.T.
An aspen 8 ins diam bears S 54 1/2° W 320 lks dist marked T. 15 S. R. 6 E. S. 34 B.T.
An aspen 8 ins diam bears S 29° E 195 lks dist, marked T. 15 S. R. 6 E. S. 35 B.T.
Land mountainous
Soil gravelly 3rd rate
Timber pine on 9.00 chs aspens on 36.00 chs
Mountainous land on 80.00 chs

Chains	
	West on a sectional correction line bet. secs. 27 and 34
	Over mountainous land through scattering aspen timber
	Descend
17 00	Bottom of draw near head drains S10°W
	Ascend
21 00	Top of spur projects S.W. descend
26 30	Road bears N W and S E
40.00	Set a sand stone 18x8x6 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 N69°W 60 lks. dist. marked 1/4 S.27 B.T.
	An aspen 10 ins diam bears S22°E 160 lks dist. marked 1/4 S.34 B.T.
59 50	Bottom of draw spring branch 2 lks wide 1 ins. deep runs N. Ascend also leave timber
66.30	Road bears N. and S.
80.00	Set a sand stone 20x12x4 ins 15 ins in the ground for cor. of secs. 27, 28, 33 and 34 marked with 1 notch on S and 3 notches on E edge and raise a mound of stone 2 ft base 1½ ft high W of cor. Pits impracticable
	Land mountainous
	Soil sandy loam 2nd rate
	Timber aspens on 59.50 chs.
	Mountainous land and dense under growth on 80.00 chs.
	Aug. 15 at this cor. I set off 14°02' N on the decl. arc; and at 12h00m A.M. l.m.t. observe the sun on the meridian the resulting lat. is 39°29' N

West on a sectional correction line bet secs 28 and 33

Over mountainous land Ascend

Chains	
3.25	Enter aspen timber
26 00	Top of ridge bears N25E and S N descend
40 00	Set a sand stone 18x8x6 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 N26°E 190 lks. dist marked W S 28 B.T. An aspen 6 ins diam bears S39°W 3.03 lks. dist marked 1/4 S,33 B.T.
40 60	Bottom of draw drains N25°E Ascend
40 80	Old road bears N25°E and S25°W
56 00	Top of spur projects N25E descend
70.00	Enter pine timber
72 00	Leave timber N and S
80 00	Set a sandstone 16x12x6 ins 11 ins in the ground for cor. of secs. 28, 29, 32 and 33 marked with 1 notch on S and 4 notches on E edge; and raise a mound of stone 2 ft base 1 1/2 ft high W of cor. Pits impracticable Land mountainous Soil gravelly 3rd rate Timber aspen on 68.75 chs. Pine on 2.00 chs Mountainous land on 80.00 chs

West on a sectional correction line bet secs. 29 and 32
Over mountainous land through dead scrub brush Descend gritty
6.00 Bottom of Gulch spring branch 3 lks wide 3 in deep runs NE Ascend
24 00 Enter aspen timber
37 00 Commence ascend abruptly
40 00 Fall on a rock in place 12x12x6 ins above ground on which I cut a cross (X) at exact cor point for 1/4 sec cor marked 1/4 N of cross; from which
An aspen 4 ins diam bears N3 1/2° E 38 lks

Chains	
	dist. marked 1/4 S. 29 B.T.
	An aspen 4 ins diam bears S 60° W 14 lks dist. marked 1/4 S. 32 B.T.
50.00	Leave aspens timber N and S
65.00	Top of spur projects S.E. Descend rapidly
65.50	Enter scattering pine and aspen timber
77.50	Bottom of draw spring branch 2 lks wide 1 in deep runs S
80.00	Set a sand stone 16 x 14 x 3 ins 11 ins in the ground for cor of secs 29, 30, 31 and 32 marked with 1 notch on S and 6 notches on E edges; from which Aspen 4 ins diam bears N 37° W. 63 lks dist, marked T.15 S, R.6 E, S. 30 B.T. Aspen 16 ins diam bears N 24° E 200 lks, dist. marked T.15 S, R.6 E, S. 29 B.T. Aspen 5 ins diam bears S 11° E 135 lks dist. marked T.15 S, R.6 E, S. 32 B.T. Aspen 5 ins diam bears S 2° W 73 lks. dist. marked T.15 S, R.6 E, S. 31 B.T. Land mountainous Soil gravelly 3rd rate Timber aspen on 40.00 chs. pine on 14.00 chs Mountainous land on 80.00 chs.
	West on a sectional correction line bet. secs. 30 and 31
	Over mountainous land through scattering pine and aspen timber
7.20	Spring drains S.E.
20.00	Point of spur projects S
26.50	Draw spring branch 3 lks. wide 2 ins deep runs S.E.
37.00	Commence ascend abruptly
40.00	Set a sand stone 16 x 12 x 3 ins 11 ins in the ground for 1/4 sec. cor. marked 1/4 on N. face; from which Aspen 8 ins diam bears N 31° E. 80 lks dist.

Chains	
	marked 1/4 S. 30 B. T.
	Aspen 10 ins diam bears S 82° W 4.5 lks dist.
	marked 1/4 S. 31 B. T.
44.50	Spring branch 2 lks wide 1 in deep runs N.E.
57.00	Top of Rocky spur projects S.E.
	Descend abruptly
61.00	Leave scattering pine and aspen N. and S.
73.80	Intersect the W. bdy. of Tp. 18 S. 4 chs N of cor. of secs. 25, 30, 31 and 32. At my point of intersection I set a sand stone 16 x 10 x 8 ins 11 ins in the ground for closing cor to 30 and 31 marked C.C. on E with 1 groove on S and 5 grooves on N faces; and raise a mound of stone 2 ft base 1½ ft high E of cor. Pits impracticable
	Land mountainous
	Soil gravelly 3rd rate
	Timber scattering pine and aspen on 61.00 chs
	Mountainous land on 73.80 chs.
	Destroyed all marks of sec cor pertaining to secs 30 and 31
	August 15, 1900

August 16, 1900 at 7 h 00 m a. m. l. m. t. I set off 39° 28' N on the lat. arc; 13° 48' W on the decl. arc; and determine a true meridian with the solar at the cor. of secs 25, 26, 35 and 36

Thence I run

S 0° 01' E on true line bet. secs. 35 and 36

Over mountainous land through timber scale brush. Descend

10.00	Bottom of draw near head drains E.
	Ascend
11.00	Enter pine timber
24.00	Top of ridge bears N.E. and S.W. Descend
37.00	Bottom of swale drains E.
40.00	Set a lime stone 14 x 8 x 5 ins 9 ins in the ground for 1/4 sec. cor marked 1/4 on W face;

Subdivision of T 6 S R 6 E continued

Chains

from which
A pine 14 ins diam bears S 37° E 55 lks dist.
marked ¼ S 36 B.T.
A pine 12 ins diam bears N 44° W 81 lks dist.
marked ¼ S 35 B.T.

50.50 Top of Ridge bears E and W descend abruptly leave pine timber enter aspens E and W

55.27 Spring runs E leave aspen timber E and W enter scrub aspens

80.00 Intersect the third Standard parallel South 7.30 chs W of the standard sec. cor. of secs 35 and 36 heretofore described and 38.13 chs W. of the closing cor of secs 1 and 2 T 6 S R 6 E At my point of intersection I set a sand stone 16 x 12 x 4 ins 11 ins in the ground for closing cor. of secs. 35 and 36 marked C.C. on N with 1 groove on E and 3 grooves on W face; and raise a mound of stone 2 ft base 1½ ft high N of cor. Pits impracticable
I destroyed all marks of standard cor. pertaining to secs 35 and 36
Land mountainous
Soil gravelly 3rd rate.
Timber pine on 39.60 chs aspens 4.77 chs scrub aspens on 24.73 chs
Mountainous land on 80.00 chs.

No 1 W bet secs 25 and 26
Over mountainous land. Descend

9.00 Enter dense pine timber

30.00 Bottom of draw drains N E Ascend

40.00 A spruce 12 ins. diam for ¼ sec. cor. I marked ¼ S 26 on W side S 25 on E side
from which
A spruce 10 ins diam bears S 48 E 5 lks dist marked ¼ S 25 B.T.

chains

A spruce 9 ins diam bears N 3 8 W 7 lks. dist. marked 1/4 S 26 B.T.

50.00 Commence descend rapidly

72.00 Bottom of Ravine drains E. Ascend leave pine E.W. enter young aspens.

80.00 Set a sand stone 14 x 12 x 5 ins 9 ins in the ground for cor. of secs. 23, 24, 25 and 26 marked with 2 notches on S and 1 notch on E. edges: and raise a mound of stone 2 ft base 1 1/2 ft high W of cor. Pits impracticable

Sand mountainous

Soil gravelly 3rd rate

Timber pine on 63.00 chs

young aspens

Mountainous land on 80.00 chs

August 16 At this cor I set off 13°43' N on the decl. arc. and at 12h 00m m.l.m.t. observe the sun on the meridians the resulting is 39°29' N

East on a random line bets secs 24 and 25

40.00 Set a temp 1/4 sec. cor.

80.00 Intersect the E bdy of T. at cor of secs 19, 24, 25 and 30 heretofore described

Thence I run

West on a true line bet. secs 24 and 25

Over mountainous land through young aspens Descend along S slope

17.00 Draw drains S ascend gently

30.00 Commence Ascend gradually along broken S slope

40.00 Set a sand stone 14 x 12 x 3 ins 9 ins in the ground for 1/4 sec. cor. marked 1/4 on N. face: and raise a mound of stone 2 ft base 1 1/2 ft high N of cor

Pits impracticable

63.00 Draw drains S Ascend abruptly

80.00 The cor. of secs. 23, 24, 25 and 26

Chains	
	Land mountainous Soil stony 3rd rate Timber young aspens on 80.00 chs. Mountainous land and dense under-growth on 80.00 chs.
	N 0 1/4 W bet secs 23 and 24 Over mountainous land through dense young aspens Ascend abruptly
5.00	Leave small aspens enter large aspen timber E. and W.
28.00	Spring 3 chs. W. of line
40.00	Set a sand stone 12x12x5 ins 8 ins in the ground for 1/4 sec. cor. marked 1/4 on W face; from which An aspen 10 ins diam bears S. 83° E. 84 lks. dist. marked 1/4 S. 24 B.T. An aspen 9 ins diam bears N. 83 1/2° W 83 lks. dist marked 1/4 S. 23 B.T.
43.50	Top of Ridge bears E and W. Descend rapidly also leave aspens enter dead timber E and W
55.00	Bottom of draw near head draws N E Ascend
70.00	Top of spur projects N. E. Descend
80.00	The point of sec. cor. full on a rock in place 3 x 2 1/2 x 2 ft above ground on which I cut a cross (X) at the exact point for cor. of secs. 13, 14, 23, and 24 marked 3 notches on S and 1 notch on E sides; from which A sand stone Rock 14 x 8 x 8 ft above ground bears S. 80° E. 5 ft dist marked (X) T5S. R.6 E. S. 24 B.C. No other objects available therefore raise a mound of stone 2 ft base 1/2 ft. high W. of cor. Pits impracticable Land mountainous

Subdivision of T15 S R6 E Continued

Chains

Said Rocky 4th rate
Timber aspen on 43.50 chs.
Mountainous land on 80.00 chs.

East on a random line bet secs 13 and 24
40.00 Set a temp 1/4 sec. cor.
80.10 Intersect the E. bdy. of Tp. 14 lks N of cor of secs 13, 18, 19, and 24
Thence I run
N 89° 54' W on a true line bet secs 13 and 24
Over mountainous land through dense aspens and pine timber Ascend
12.00 Top of spur projects N E descend abruptly
25.00 Leave pine timber N E and S W
33.00 Bottom ravine drains N E Ascend abruptly
40.05 An aspen 6 ins diam for 1/4 sec cor. I marked 1/4 S. 13 on W. side S 24 on S side: from which An aspen 4 ins diam bears S 6° E 4 lks. dist. marked 1/4 S, 24 B. T.
An aspen 4 ins diam bears N 44° E 26 lks dist marked 1/4 S. 13 B. T.
73.25 Top of spur projects N. E. Descend leave aspens enter dead timber N E and S. W.
80.10 The cor of secs 13, 14, 23 and 24
Land mountainous
Said stony 3rd rate
Timber pine on 25.00 chs aspen on 73.25 chs,
Mountainous land on 80.10

August 16 1900

Aug. 17, 1900 at 8h 00m a. m. I put t. I set off 39° 30' N on the Lat. arc: 13° 28' N on the dec. arc: and determine a true meridian with the solar at the cor. of secs. 13, 14, 23, and 24

Subdivision of T15S R6E continued

chains	
	Thence I run
	N0°01'W bet. secs. 13 and 14
	Over mountainous land through dead timber, Descend
5.00	Leave dead timber enter young aspens
40.00	The point for 1/4 sec. cor. fall on a rock in place 3x2 ft x 6 ins above ground on which I cut a cross (x) at the exact cor. point marked 1/4 on W side: and raise a mound of stone 2 ft. base 1 1/2 ft. high W. of cor.
	Pits impracticable
41.00	Bottom of gulch drains N.E. ascend
65.00	Top of spur projects E Descend also enter scattering pine
74.00	Commence descend abruptly over ledges also leave aspens E. and W.
80.00	Set a sand stone 16 x 14 x 6 ins 11 ins in the ground for cor. of secs. 1, 12, 13, and 14 marked with 4 notches on S and 1 notch on E edges; from which
	A pine 16 ins diam bears S 87°E 12 lks. dist. marked T15S, R6E, S13 B.T.
	A pine 14 ins diam bears N 78°W. 55 lks. dist marked T15S. R6E. S.11 B.T.
	No other trees within limits therefore 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 small aspens on 69.00 chs. pine 36.00 chs.
	Mountainous land on 80.00 chs

	S 89°54' E on a random line bet secs 12 and 13
40.00	Set a temp 1/4 sec. cor.
80.20	Intersect the E bdy of T. 2 lks N. of cor of secs 7 12 13 and 18
	Thence I run
	N 89°53' W on a true line bet secs 12 and 13

Subdivision of T15 S R6 E continued

Chains	
	Over rough mountainous land through aspens and scattering pine timber Descend abruptly
10.00	Bottom ravine drains South Ascend
29.00	Top of spur projects S. Descend abruptly
31.00	Leave timber N and S enter sage brush
40.10	Set a sand stone 16x12x6 ins 11 ins in the ground for 1/4 sec. cor. marked 1/4 on N face: and raise a Mound of stone 2 ft base 1 1/2 ft high N of cor. Pits impracticable
50.20	Bottom of Left fork of Huntington river 30 lks wide 12 ins deep runs S.E. Ascend abruptly also enter scattering pine timber
80.20	The cor. of secs. 11, 12, 13 and 14
	Land Mountainous
	Soil stony 3rd rate
	Timber pine 61.00 chs aspens 31.00 chs
	Mountainous land on 80.20 chs
	Aug 17 At this cor. I set off 13°24' N on the decl. arc: and at 12h 00m m l.m.t. observe the on the meridian the resulting lat. is 39°31' N

	No. 01 W bet secs 11 and 12
	Over rough mountainous land through scattering pine timber Descend broken ledges.
4.50	Foot of ledge
6.20	Bottom of small gulch drains N E
19.00	Bottom of Left fork of Huntington Cañon Creek 25 lks wide 12 ins deep runs S E Ascend abruptly broken ledges also leave timber enter sage brush
40.00	Set a sand stone 14x11x8 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 cor. Pits impracticable
45.00	Top of spur projects S.W. leave sage enter dense aspen timber. Descend
54.00	Bottom gulch drains S W Ascend

Subdivision of T15S R6E continued

Chains	
80.00	An aspen 5 ins diam for cor of secs. 1-2-11 and 12 Marked T.15S. S.1 on N.E., R.6E. S.12 on S.E. S 11 on S.W. S 2 on N.W. sides with 5 notches on S and 1 notch on E sides from which An aspen 6 ins diam bears N45°E 13 lks. dist. marked T15S, R6E, S1 B.T. An aspen 6 ins diam bears N36°W 27 lks. dist. marked T.15S, R.6E, S.2 B.T. An aspen 5 ins diam bears S80°E 11 lks dist. marked T.15S, R.6E, S.12 B.T. An aspen 6 ins diam bears S45°W 27 lks. dist marked T.15S, R.6E, S.11 B.T. Land mountainous Soil stony 3rd rate Timber pine on 19 00 chs Aspen on 35 00 chs, Mountainous land on 80.00 chs
	S89°53'E on a random line bet. secs. 1 and 12
40.00	Set a stone 1/4 sec. cor.
80.00	Intersect the E. boundary of Tp. 7 lks N. of cor. of secs. 1. 6. 7 and 12 heretofore described Thence I run N.89°30'W. on a true line bet. secs. 1 and 12 Over rough mountainous land through dense pine timber Ascend abruptly
20 00	Top of ridge bears N.W. and S.E. Descend abruptly also bear pine timber enter scattering aspen and sage brush
40.00	Set a sand stone 15 x 10 x 6 ins 10 ins in the ground for 1/4 sec. cor. marked 1/4 on N face; and raise a mound of stone 2 ft base 1 1/2 ft high N of cor. Pits impracticable
45 00	Enter dense aspen N and S
57 00	Bottom of wide draw near head drains

Chains	
	S.W. Ascend
— 80.00	Top of spur projects S.
	Cor to secs 1, 2, 11, and 12
	Land mountainous
	Soil gravelly 3rd rate
	Timber pine on 20.00 chs dense aspens on 35.00 chs scattering on 25.00 chs
	Mountainous land and dense under growth on 60.00 chs
	Knowing from previous retracement that a closing cor. for secs 1 and 2 would be necessary, I run
	N 0° 1' W on a true line bet secs 1 and 2
	Over mountainous land through dense aspen timber Ascend abruptly
35.00	Leave dense aspens E and W enter scrub aspens
40.00	Set a sand stone 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 1 1/2 ft high W of cor. Pits impracticable
45.00	Top of spur projects S 60 W Ascend abruptly also enter dense pine timber leave scrub aspens E and W
54.00	Bottom of Ravine drains W leave pine timber E and W enter scattering scrub aspens. Ascend abruptly
— 65.00	Intersect the N bdy of T. 60 lks S 89° 25' W of old cor. of secs. 1, 2, 35 and 36 hereto for described At my point of intersection I set a sand stone 15 x 14 x 5 ins 10 ins in the ground for closing cor. to secs 1 and 2 marked CC on S with 1 groove on E and 5 grooves on W faces and raise a mound of stone 2 ft base 1 1/2 ft high S of cor. Pits impracticable
	Land mountainous
	Soil stony 3rd rate

Timber Aspens on 35.00 chs scrub aspen on 20.00 chs pine on 10.00 chs
Mountainous land and dense undergrowth on 65.00 chs. I destroyed all marks of sec. cor. pertaining to secs 1 and 2 August 17. 1900

Aug. 18, 1900. At 8 h 00 m A. M. l. m. t. I set off 39° 29' N on the lat. arc; 13° 09' N on the decl. arc; and determine a true meridian with solar at the cor of secs 26, 27, 34 and 35

Thence I run
S 00 1/2 E on a true line bet secs 34 and 35
Over mountainous land through dense aspen timber descend gently along W slope

31.00 Spring branch 1 lks wide 1 lnk deep runs W

40.00 Set a sand stone 16 x 13 x 5 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 W. 13 lks dist. marked 1/4 S 34 B. T.
An aspen 10 ins diam bears N. 87° E. 11 lks dist. marked 1/4 S 35 B. T.

57.50 Spring branch 1 lks wide 1 link deep runs W.

79.95 Intersect the third standard parallel S. 2.35 chs W. of closing cor. to secs. 2 and 3 T. 16 S. R. 6 E. the same being 5.26 chs. W. of the old Standard sec. cor. to secs. 34 and 35 heretofore described
At point of intersection I set a sand stone 18 x 16 x 5 ins 12 ins in the ground for closing cor. to secs. 34 and 35, marked C. C. on N. with 2 grooves on E. and 4 grooves on W. faces; from which an aspen 4 ins. diam bears N. 32° E. 7 lks. dist. marked T. 15 S. R. 6 E. S. 35 B. T.
An aspen 4 ins. diam bears N 2° W 2 lks. dist. marked T. 15 S. R. 6 E S. 34 B. T.

Chains.	
	Land mountainous Soil sandy loam and gravelly 2nd rate 3rd rate Timber aspens on 79.95 chs. Mountainous land on 79.95 chs. Destroyed marks on old Standard cor. pertaining to secs 34 and 35
	N. 0° W bet secs 26 and 27 Over mountainous land through aspen timber Ascend along W slope
18 ac	Top of low ridge bears E and S W Descend
30.00	Enter scattering pine timber
40.00	Set a sand stone 16 x 12 x 3 ins. 11 ins. in the ground for 1/4 secs. cor. Marked 1/4 on W face. from which An aspen 10 ins diam. bears N 7° E 8 lks dist. marked 1/4 S. 26 B. T. An aspen 10 ins diam. bears S 85° 1/2 W 20 lks dist. Marked 1/4 S 27 B T
45.00	Wash drains N
49.00	Road bears N W and S E
70.00	Leave scattering pine timber E. and W.
76.00	Commence ascend abruptly Road bears N. W. and S. E.
80.00	Set a sand stone 14 x 8 x 6 ins 9 ins in the ground for cor of secs 22. 23, 26 and 27 marked with 2 notches on S and E edges. from which An aspen 4 ins diam. bears N 44° E 8 5 lks. dist. marked T. 15 S. R. 6 E. S. 23 B. T. An aspen 4 ins diam. bears S 57° E 23 lks dist. marked T. 15 S. R. 6 E. S. 26 B. T. An aspen 4 ins. diam. bears S 50° W 8 lks dist. marked T. 15 S. R. 6 E. S. 27 B. T. An aspen 4 ins diam bears N 3° W 5 lks dist. marked T. 15 S. R. 6 E. S. 22 B. T.
	Land mountainous Soil Sandy loam 2nd rate Timber aspens on 80.00 chs pine 50.00 chs. Mountainous land on 80.00 chs.

Subdivision of T5S R6E Continued

Chains	
	East on a random line bet secs 23 and 26.
40.00	Set a temp 1/4 sec. cor.
80.00	Intersect cor of secs 23, 24, 25 and 26
	Thence I run
	West on a true line bet secs 23 and 26
	Over rough mountainous land through small aspen Ascend along S slope
10.00	leave small aspen N W and S E enter aspen timber
40.00	Set a sand stone 14 x 10 x 8 ins 9 ins in the ground for 1/4 sec. cor. marked 1/4 on N. face: from which
	An aspen 14 ins diam. bears S 1/4 E 12 lks. dist. marked 1/4 S. 26 B.T.
	An aspen 8 ins diam bears N 8° 1/2 W 6 lks dist. marked 1/4 S. 23 B.T.
57.90	Road bears N 85° W and S E
52.20	Head of draw spring branch 1 lks wide 1 in deep runs S E Ascend rapidly
59.00	Road bears N 8° E and N 8° W
70.00	Top of ridge bears N. E. and S. Descend abruptly
75.50	Dugway for road bears N E, and S, W
80.00	The cor of secs 22, 23 26 and 27
	Land mountainous
	Soil stony 3rd rate
	Timber Aspen on 80.00 chs
	Mountainous land on 80.00 chs
	Dec. 15, at this cor I set off 15° 05' W on the decl. arc, and at 12h 00m a. m. l. m. t. observe the sun on the meridian the resulting lat. is 39° 29' N.

	N 0° 1' W bet secs. 22 and 23
	Over mountainous land through dense aspens Descend gently along W slope
6.50	Spring branch runs W 1 lks. wide
13.00	" " " " 1 lk. wide

Subdivision of T 15 S R 6 E Continued

Chains	
40.00	Set a sand stone 16 x 12 x 4 ins. 11 ins. in the ground for 1/4 sec. cor. marked 1/4 on W face; from which Ore aspen 8 ins diam. bears N 71° E 8 lks dist. marked 1/4 S. 23 B.T. Ore aspen 5 ins diam bears N 35° W 11 lks dist. marked 1/4 S. 22 B.T.
45.00	Commence descend abruptly
46.00	Spring branch 2 ins W 2 lks wide
70.00	Bottom of gulch drains W thence ascend gradually
80.00	Set a sand stone 16 x 12 x 3 ins 11 ins in the ground for cor of secs 14, 15, 22 and 23 marked with 3 notches on S and 2 notches on E edges; from which An aspen 14 ins diam bears N 61° E 55 lks dist. marked T 15 S R 6 E S 14 B.T. An aspen 10 ins diam. bears N 10° W 63 lks marked T 15 S R 6 E S 15 B.T. An aspen 8 ins diam. bears N 35° W 91 lks dist marked T 15 S R 6 E S 22 B.T. An aspen 12 ins diam bears S 62° E 114 lks dist marked T 15 S R 6 E S 23 B.T. Land Mountainous Soil gravelly 3rd rate Timber Aspen on 80.00 chs, Mountainous land and dense undergrowth on 80.00 chs.

East on a random line between secs. 14 & 23

4.00	Set a stump, 1/4 sec. cor.
79.90	Intersect the cor to secs 13, 14, 23 and 24 Thence I run West on a true line between secs 14 and 23 over mountainous land descend through dead timber
25.00	Bottom of gulch drains N W Ascend
39.95	Top of Ridge bears N and S

Subdivision of T15S R6E continued

Set a sand stone 14x14x3 ins 9 ins in the ground for 1/4 sec. cor. marked 1/4 on N face; and raise a mound of stone 2 ft base 1½ ft. high N of cor. Pits impracticable

43 00 Enter Aspen timber also commence descend abruptly

79 90 The cor. of secs. 14, 15, 22 and 23

Land mountainous

Soil stony 3rd rate.

Timber aspens on 37 00 chs

Mountainous land on 79, 90 chs

August 18 1900

Aug. 19 At 8.00 a.m. l.m.t. I set off 39°30' W on the decl. arc: 12°49' N on the lat arc; and determine a true meridian with the solar at the cor. of secs. 14, 15, 22 and 23

Thence I run

N. 0°01' W. bet. secs. 14 and 15

Over mountainous land

Ascend through aspen timber.

15 00 Leave aspen timber E. and W. enter meadow land

38.00 Leave meadow also Creek 12 lks wide 6 ins. deep runs N E Ascend

40.00 Set a sand stone 16x10x4 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

53 00 Enter Aspen timber

72 00 Small spur projects E continue ascending along E. slope

80 00 Set a sand stone 15x12x6 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; from which An aspen 8 ins diam. bears N. 44° E. 13 lks. dist. marked T. 15 S. R. 6 E. S 11. B.T.

Subdivision of T15S R6E continued

Chains

An aspen 14 ins diam. bears S 15½ E 87 lks. dist. marked T.15 S. R. 6 E. S. 14 B. T.
An aspen 6 ins. diam. bears S 44½ W 76 lks. dist. marked T.15 S. R. 6 E. S. 15 B. T.
An aspen 8 ins diam. bears N 48½ W 47 lks. dist. marked T.15 S. R. 6 E. S. 10 B.T.
Land mountainous
Soils loam and stony 2nd and 3rd rates.
Timber Aspen on 42.00 chs.
Mountainous land on 8.00 chs.

East on a random line bet secs 11 and 14
40.00 Set a temp. ¼ sec. cor.
79.95 Intersect the cor. to secs 11, 12, 13 and 14
Thence I run
West on a true line bet secs 11 and 14
Over mountainous land
Descend through small aspens
4.00 Bottom of a small gulch drains N.E.
Ascend abruptly leave aspen enter dead timber
39.97 The point for ¼ sec. cor. fall on a rock in place on which I cut a cross (+) at the exact cor. point marked ¼ on N side: and raise a mound of stone 2 ft base 1½ ft high N of cor.
Pits impracticable
44.00 Top of ridge bears N.W. and S.E. leave dead timber enter dense aspens descend
73.25 Bottom of creek 15 lks wide 6 ins deep runs N.E. leave timber enter sage brush
76.50 Enter scattering aspens
79.95 The cor to secs 10, 11, 14 and 15
Land mountainous
Soil stony 3rd rate
Timber Aspens on 38.20 chs.
Mountainous land and dense undergrowth on 79.95 chs.

Subdivision of T15 S R 6 E continued

chains	
	N 0° 01 W bet secs 10 and 11
	Over mountainous land through aspens timber
	Descend along E. slope
20 60	Leave timber E and W
40.00	Set a sand stone 16x12x4 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
40 25	Bottom of Creek 15 lks wide 6 ins deep runs N.W. Ascend
43.00	Commence descend abruptly along the E. bank of Creek
58.00	Bottom of Creek 20 lks. wide 6 ins. deep drains N E Ascend along E. slope
80.00	Set a sand stone 16x8x4 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 raise a mound of stone 2 ft base 1½ ft high W. of cor. Pits impracticable
	(Note) From this cor. a coal mine bears N 68° 30' E 35.00 chs. dist. owned and worked by the City of Mt Pleasant San Pete County
	Land Mountainous
	Soil gravelly 3rd rate
	Timber Aspens on 20.60 chs.
	Mountainous land and dense undergrowth on 80.00 chs.
	August 19 at this cor. I set off 12° 46 N on the decl. arc; and at 12h 00m P.M. L.M.T. observe the sun on the meridian the resulting lat is 39° 30' N.
	East on a random line bet. secs. 2 and 11
40.00	Set a temp 1/4 sec. cor.
80.00	Intersect the cor of 1, 2, 11, and 12
	Thence I run
	West on a true line bet. secs. 2 and 11
	Over mountainous land through dense aspen timber Descend along S.W. slope

Chains	
10.00	Commence descend abruptly
18.50	Bottom of gulch drains S 10° E ascend
31.00	Top of spur projects S descend
40.00	Bottom of small draw drains S 10° W ascend Set a sand stone 14 x 10 x 6 ins 9 ins in the ground for 1/4 sec. cor. marked 1/4 on N face; from which An aspen 8 ins diam. bears S 77½ E 11 lks dist. marked 1/4 S, 11 B, T, An aspen 8 ins diam bears N 67° E 12 lks dist. marked 1/4 S 2 B, T,
45.00	Top of spur projects S W leave timber N and S Descend abruptly
56.00	Bottom of abrupt descent thence descend gradually
72.00	Left fork of Huntington Canon crek 30 lks wide 10 ins deep drains S E, Ascend
80.00	The cor of secs. 2, 3, 10 and 11 Land mountainous Soil stony 3rd rate Timber aspens on 45.00 chs, Mountainous land on 80.00 chs,

Knowing from previous retracement of the N bdy of this Tp, that a closing cor. for secs 2 and 3 would be necessary I run N 0° 01' W on a true line bet. secs. 2 and 3 Over mountainous land through sage brush Descend

52.0	Commence descend abruptly
7.50	Left fork of Huntington Canon, crek 20 lks. wide 10 ins deep drains S E Ascend abruptly broken ledges,
10.00	Top of abrupt ascent thence ascend gently
29.50	Road to coal mine bears N W, and S E,
40.00	Set a sand stone 20 x 8 x 4 ins 15 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, Pit impracticable

Subdivision of T15 S R6 E continued

Chains	
64.21	Intersect the N bdy of Tp. 3.00 chs S88°22' W of old cor. of secs. 2, 3, 34, and 35 heretofore described. At my point of intersection I set a sand stone 24x10x4 ins 18 ins in the ground for closing cor. to secs. 2 and 3 marked CC on S with 2 grooves on E and 4 grooves on W faces; and raise a mound of stone 2 ft base 1½ ft high S of cor. Pits impracticable I destroyed all marks of sec. cor. pertaining to secs. 2 and 3 Land mountainous Soil gravelly 3rd rate Timber none Mountainous land on 64.21 chs August 19-1900
	August 20-1900 At 8h 00m a.m. l.m.t. I set off 89°29' N on the Lat. arc; 12°30' N on the decl. arc; and determine a true meridian with the solar at the cor. of secs. 27, 28, 33 and 34 Thence I run S.0°02' E. on a true line bet secs. 33 and 34 Over mountainous land Ascend through sage brush
40.00	Set a Lime stone 16x8x4 ins 11 ins in the ground for ¼ 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
45.00	Road bears N25°E and S25°W
47.00	Small draw spring branch 2 lks. wide 2 ins deep drains N25°E also enter aspens
80.25	Intersect the Third Standard parallel S. 2.72 chs W of the closing cor. to secs. 3 and 4 T.16 S. R.6 E. the same being 5.26 chs. W of of the Standard sec. cor. of secs 33 and 34 heretofore described

chains

At my point of intersection I set a sand stone 20 x 14 x 5 ins 15 ins in the ground for closing cor. to secs. 33, and 34, marked C.C. on N with 3 grooves on E and W faces; from which
An aspen 5 ins diam. bears N 30½ E 21 lks. dist. marked T.15S. R.6E. S.34 B.T.
An aspen 8 ins diam, bears N. 67° W. 17 lks. dist. marked T.15S. R.6E. S.33 B.T.
I destroyed all marks of old Standard sec. cor. pertaining to secs. 33 and 34
Land mountainous
Soil gravelly & rocky
Timber Aspens on 35.00 chs.
Mountainous land and dense undergrowth on 80.25 chs.

N 0° 02' W. bet. secs. 27 and 28
Over mountainous land through sage brush Ascend along E. slope
3.20 Enter dense Aspen timber
6.00 Spring 30 lks E. of line
22.50 " 19 " " " "
40.00 Set a sand stone 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. Pit impracticable
49.00 Top of ridge bears N.E. and S.W. Descend along E slope also leave aspens timber E and W enter sage brush
0.25 Enter scattering aspens
80.00 Set a sand stone 14 x 10 x 6 ins 9 ins in the ground for cor. of secs. 21, 22, 27 and 28 marked with 2 notches on S edges; from which
An aspen 6 ins diam. bears S 61° W 22 lks. dist.

Chains Subdivision T15S R6E

marked T15S R6E S.28 B.T.
An aspen 6 ins diam bears S.71½° E. 19 lks dist.
marked T15S. R6E. S.27 B.T.
An aspen 6 ins diam bears N41° E 71 lks dist.
marked T15S. R6E. S.22 B.T.
An aspen 12 ins diam bears N.5° W. 54 lks dist.
marked T15S. R.6E. S.21 B.T.
Land mountainous
Soil Sandy loam 2nd rate
Timber aspen on 75.55 chs.
Mountainous land 80.00 chs.

East on a random line bet. secs. 22 and 27
40.00 Set a temp ¼ sec. cor.
80.00 Intersect the cor. tos secs. 22, 23, 26 and 27
Then I run
West on a true line bet. secs. 22 and 27
Over mountainous land Descend abruptly through aspen timber.
15.00 Leave aspen timber N. and S.
15.50 Bottom abrupt descent thence descend gently enter Scad valley
16.00 Enter meadow
29.00 Road bears N.W. and S.75° E.
39.00 Creek 3 lks wide 4 ins deep runs N.
Ascend
40.00 Set a sand stone 16x10x3 ins. 11 ins. in the ground for ¼ sec. cor. marked 1/4 on N. face: and raise a mound of stone 2 ft. base 1½ ft high N of cor. Pits impractica bll.
48.00 Road bears N.W. and S. also leave meadow enter sage brush
70.00 Enter scattering aspens timber
72.00 Top of Ridge bears N.E. and S.W. also leave valley.
80.00 The cor. of secs 21, 22, 28 and 27
Land mountainous
Soil loam and sandy loam

Subdivision of T15 S R 6 E Continued

Chains	
	1st and 2nd rates Timber aspens on 25.00 chs Mountainous land on 80.00 chs, Aug. 20, 1900 At this cor. I set off 12° 26' N on the decl. arc; and at 12h 00m a.m. l.m.t. observe the sun on the meridian the resulting lat. is 39° 30' N.
	N 0° 02' W bet secs 21 and 22 Over mountainous land through aspen timber Descend
10.00	Leave scattering aspens timber enter sage brush also enter S end valley
16.50	Bottom of draw spring branch 5 lks wide 3 ins deep runs N.E. Ascend along the W side of valley
22.00	Road bears N.E. and S.W.
32.60	Road bears S 80 E and N 70 W
40.00	Set a sand stone 14 x 6 x 5 ins 11 ins in the ground for 1/4 sec. cor. marked 1/4 on W. face; from which An aspen 4 ins diam. bears S 74° W 98 lks, marked 1/4 S, 21 B.T. No trees on sec 22 therefore I raise a mound of stone 2 ft base 1 1/2 ft high W of cor. Pits impracticable
43.00	Road bears S.W. and N.E.
55.00	" " N W and S E
80.00	Set a sand stone 16 x 14 x 12 ins 11 ins in the ground for cor. of secs 15, 16, 21, and 22 marked 15 S, on N.E. 6 E on S.E. faces; with 3 notches on S. and E. edges; and raise a mound of stone 2 ft base 1 1/2 ft high W of cor. Pits impracticable Land mountainous Soil Sandy loam 2nd rate Timber aspens on 10.00 chs. Mountainous land and dense under growth on 80.00 chs,

Subdivision of T5S R6E continued

Chains	
	East on a random line bet. secs. 15 and 22
40.00	Set a temp 1/4 sec. cor.
80.00	Intersect the cor. of secs. 14, 15, 22, and 23
	Thence down
	West on a true line bet. secs. 15 and 22
	Over mountainous land
	Descend through aspen timber
4 00	Leave timber N. and S. enter swamp
	extending N. 30.00 chs West 2.00 chs
6 00	Leave swamp enter sage brush also
	enter dead valley
22.65	Crk 10 lks wide 5 ins deep runs N 25° E
	Ascend
32 00	Leave dead valley enter scattering
	aspen timber
40 00	Set a sand stone 16 x 10 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 5° E 11 lks.
	dist marked 1/4 S. 15 B. T.
	An aspen 6 ins. diam. bears S 61° E 27 lks.
	dist marked 1/4 S. 22 B. T.
48 00	Leave scattering aspen N and S
50 00	Top of spur projects S 25° E Descend
74.00	Head of draw drains S. 20° E. Ascend
80.00	The cor of secs 15, 16, 21 and 22
	Land mountainous
	Soil loam and gravelly 2nd and 3rd rates
	Timber Aspens 20 00 chs
	Mountainous land and dense under
	growth 60.00 chs

	N 0° 02' W bet secs. 15 and 16
	Over mountainous land
	Ascend through sage brush
5.00	Enter aspen timber
37 00	Top of low ridge bears N E. and S. W.
	Descend gradually along W slope
40.00	An aspen 8 ins diam for 1/4 sec cor.

	I marked 1/4 S.16 on W. side S.15 on E. side from which
	An aspen 6 ins diam bears W. 26 lks dist marked 1/4 S.16 B.T.
	An aspen 6 ins diam. bears E. 38 lks dist. marked 1/4 S.15 B.T.
77.00	Leave aspen E. and W.
80.00	Set a sand stone 20 x 10 x 4 ins 15 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 raise a mound of stone 2 ft. base 1½ ft. high W. of cor. Pits impracticable
	Land mountainous
	Soil Sandy loam 2nd rate
	Timber Aspens on 72.00 chs
	Mountainous land and dense under growth on 80.00 chs.
	Aug. 20. 18.00
	Aug. 21 at 8h 00m a.m. l.m.t. I set off 39°31' N on the lat arc: 12°10' N on the decl. arc; and determine a true meridian with the solar at the cor. of secs. 9.10.15 and 16.
	Thence I run
	East on a random line bet. secs. 10 and 15
40.00	Set a temp 1/4 sec. cor.
80.00	Intersect N. and S. line 4 lks. N. of cor. of secs. 10.11.14 and 15
	Thence I run
	N 89°58' W on true line bet. secs. 10 and 15
	Over mountainous land through aspens
	Ascend abruptly
8.00	Leave aspens E. and S.
15.00	Top of ridge bears N. 15° W. and S. 20° E.
	Descend gently
40.00	Set a sand stone 14 x 10 x 4 ins 9 ins in the ground for 1/4 sec. cor. marked 1/4 on N. face; and raise a mound of stone 2 ft. base 1½ ft. high N. of cor. Pits impracticable

Subdivision of T15S R6E continued

Ch.	
45.00	Commence descend rapidly also enter scattering aspen timber
75.00	Leave timber N. and S.W.
80.00	The cor. of secs. 9, 10, 15, and 16
	Land mountainous
	Soil Sandy loam 2nd rate
	Timber aspens on 38.00 chs.
	Mountainous land and dense under-growth on 80.00
	N 0° 02' W bet secs. 9 and 10
	Over descending land through sage brush
9.50	Enter aspen timber
15.00	Leave " " E. and W.
40.00	Set a sand stone 20 x 12 x 4 ins 15 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
48.00	Creek 10 lks wide 4 ins. deep runs N.E.
	Ascend gently also enter swamp
76.50	Old road bears N.E. and S.W.
79.00	Spring branch 3 lks wide 1 in. deep runs E. also leave swamp
80.00	Set a sand stone 12 x 9 x 8 ins. 9 ins. in the ground for cor of secs. 3, 4, 9 and 10 marked with 5 notches on S. and 3 notches on E. edges: and raise a mound of stone 2 ft. base 1½ ft. high W. of cor. Pits impracticable.
	Land mountainous
	Soil Sandy loam 2nd rate
	Timber aspens on 6.00 chs
	Mountainous land and dense under-growth on 80.00 chs.
	S 89° 58' E on a random line bet secs. 3 and 10
40.00	Set a temp 1/4 sec. cor.

Chains	
80.00	Intersect the N. and S. line 5 lks. S. of cor. to secs. 2, 3, 10, and 11
	Thence I run
	West on a true line bet. secs 3 and 10.
	Over mountainous land through sage brush. Ascend.
3.50	Enter aspen timber
20.00	Top of ridge bears. N. and S. Descend gently
40.00	An aspen 10 ins diam. for 1/4 sec cor. I marked 1/4 S 3 on N side S 10 on S side: from which An aspen 10 ins diam bears N 5° W. 18 lks. dist. marked 1/4 S 3 B T
	An aspen 10 ins diam. bears S 10° W 5 lks dist. Marked 1/4 S. 10 B. T.
55.00	Leave aspen Timber N. and S.
72.00	Old road bears. N E, and S W.
75.00	Creek 12 lks wide 6 ins. deep runs N. E. Ascend
80.00	The cor of secs 3, 4, 9 and 10
	Land mountainous
	Soil sandy loam 2nd rate
	Timber aspens on 51,50 chs
	Mountainous land on 80,00 chs
	Dec. 21 at this cor I set off 12° 06' W on the decl. arc: and at 12h 00m : m. l. m. t. Observe the sun on the meridian the resulting lat is 39° 32' N

Knowing from previous sets-a-cement that a closing cor. for secs. 3 and 4 would be necessary I run N 0° 02' W on a true line bet's secs 3 and 4 Over mountainous and meadow land Ascend

14.50	Dip Corral bears W 7.00 chs dist
18.00	Leave meadow enter sage brush
40.00	Set a mound stone 16 x 8 x 16 ins 11 ins in the ground 1/16 sec cor marked 1/4 on W. face: and since a mound of stone 2 ft. base 1 1/2 ft.

	high W. of cor. Pits impracticable.
46 00	Top of Ridge bears E. and W. descend
52 00	Road bears N.E. and S.W.
57 00	Ravine drains N.E. ascend
64.50	Intersect the N. bdy. of Tp. 2.87 chs. N. 89 1/4 W. old cor. of secs 3, 4, 33 and 34 heretofore described At any point of intersection I set a sand stone 16 x 8 x 4 ins 11 ins in the ground for closing cor. of secs. 3 and 4 marked C C on S with 3 grooves on E and W faces; And raise a mound of stone 2 ft base 1 1/2 ft. high S of cor. Pits impracticable
	Land mountainous
	Soil loam and sandy loam 1st and 2nd rates
	Timber none
	Mountainous on 64.50 chs.
	I destroyed all marks of sec. cor. pertaining to secs. 3 and 4

Aug. 21 At 4h 00m P.M. L.M.T. I set off 39° 29' N on the lat. arc; 12° 03' N on the decl. arc; and determine a true meridian with solar at the cor. of secs. 28, 29, 32, and 33

Thence I run

S 0° 03' E on a true line bet secs 32 and 33

Over mountainous land through sage brush ascend gently

11.00	Enter Aspen timber
29.45	Road bears N.E. and S.W.
40-00	Set a pine post 3 ft long 3 ins sq. 24 ins in the ground for 1/4 sec cor. marked 1/4 S 32 on W face S 33 on E face: from which An aspen 8 ins diam bears N 75° E 11 lks dist. marked 1/4 S. 33 B. T.
	An aspen 8 ins diam bears S 84° W 136 lks dist. marked 1/4 S. 32 B. T.
59 00	Top of Ridge bears N.E. and S.W. descend
80 41	Intersect the third Standard parallel

or S. bdy. of this Tp. 90 lks W. of old closing cor. to secs. 4 and 5 T16 S R6 E said closing cor. bining 700 chs W of old standard sec. cor. to secs. 32 and 33 both hereto fore described. At my point of intersection I set a sand stone 16x12x7 ins 11 ins in the ground for closing cor. of secs 32 and 33 marked C.C on N. with 4 grooves on E and 2 grooves on W faces from which.

An aspen 9 ins diam bears N 75½ W. 11 lks dist. marked T15 S. R6 E S. 32 B.T.

An aspen 7 ins. diam. bears N 27 E 32 lks dist. marked T15 S. R6 E. S. 33 B.T.

Sand mountainous

Soil sand loam 2nd rate

Timber Aspens on 6941 chs

Mountainous land on 40.41 chs.

(note) I distroyed all marks Standard sec. cor. pertaining to secs. 32 and 33

August 21-1900

Aug. 22. 1900 at 8h 40m a.m. l.m.t. set off 3929' N on the lat. arc: 11°50' N on the decl arc; and determine a true meridian with solar at the cor. of secs. 28, 29, 32 and 33

Thence I run

N 0°03' W bet secs 28 and 29

Over mountainous land through sage brush Descend

11.00 Enter scattering pine and aspens

12.00 Leave " " " " E. and W.

21.00 Bottom Ravine spring branch 3 lks wide 3 ins deep runs N.E. Ascend gently

23.00 Enter dense aspen timber

36.00 2 small ponds one E. and one W. each 50 lks from line

40.00 Set a sand stone 18x16x8 ins 12 ins in the ground for 1/16 sec. cor. marked ¼ on W. face: from which

Subdivision of T15S R6E. Continued

Chs.	
	An aspen 10 ins diam. bears S51° E 69 lks dist. marked 1/4 S.28 B.T.
	An aspen 12 ins diam. bears S49° W 38 lks dist. marked 1/4 S.29 B.T.
77.36	Small Lake 5.00 chs long by 2 chs wide
79.36	N side of Lake
80.00	Set a sand stone 16 x 12 x 4 ins. 11 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: from which
	An aspen 8 ins diam bears N39° E 32 lks. dist. marked T15S. R.6E. S.21 B.T.
	An aspen 6 ins diam. bears N50° W 14 lks dist. marked T15S. R.6E. S.20 B.T.
	An aspen 6 ins diam. bears. S60° E 43 lks dist. marked T15S R6E. S.28 B.T.
	An aspen 6 ins diam bears S62° W 17 lks. dist. marked T15S R.6E. S.29 B.T.
	Land mountainous
	Soil Sandy loam 2nd rate
	Timber Aspens on 59.00 chs
	pine on 2.00 chs.
	Mountainous land and dense under growth on 8000 chs.
	East on a random line bet. secs. 21 and 28
40.00	Set a temp 1/4 sec. cor.
80.00	Intersect the N and S line 7 lks N of cor. of secs 21, 22, 27 and 28
	Thence I run
	N89°57'W on a true line bet. secs. 21 and 28
	Over mountainous land through dense aspen timber Descend rapidly
2.10	Leave timber N and S, enter sage brush
18.50	Bottom draw spring branch 6 lks. wide 3 ins deep runs N.E. Ascend also enter aspens
	Road bears N & SW.
40.00	Set a sand stone 16 x 6 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 50° W 78 lks.
	dist. marked 1/4 S. 21. B.T.
	An aspen 5 ins diam bears S 49° W 49 lks.
	dist. marked 1/4 S. 28. B.T.
48 90	Top of low-ridge bears N. E. and S. W.
	Descend
55 00	Commence Ascend
76 00	E point of Lake bears S. 65 lks, thence on
	N side of Lake
80.00	The cor. of secs 20, 21, 28, and 29
	Land mountainous
	Soil sandy loam 2nd rate
	Timber aspens 66.50 chs
	Mountainous land on 80.00 chs.
	Aug. 22 At this cor. I set off 11°46' N. on
	the decl. arc: and at 12h 00m m. l. m.
	t observe the sun on the meridian.
	the resulting lat. is 39°30' N.
	N 0°03' W bet secs 20 and 21
	Over mountainous land through
	dense aspen timber Ascend
37 00	Spring branch 2 lks wide 1 in deep runs
	S. E also enter scattering pine
39 00	Road bears N. E and S. W.
40 00	Set a sand stone 16 x 12 x 3 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 70° 1/2 W 93 lks.
	dist. marked 1/4 S. 20 B.T.
	An aspen 6 ins diam. bears N. 44° E. 135 lks.
	dist. marked 1/4 S. 21 B.T.
57.00	Point of spur projects N. E. Descend
67.00	Bottom of ravine spring branch 5 lks.
	wide 3 ins deep runs E. Ascend
71 55	Road bears N E and S. W.
80.00	Set a sand stone 14 x 10 x 6 ins 9 ins in the
	ground for cor of secs 16, 17, 20, and 21

from which
An aspen 6 ins diam. bears N15°E 38 lks.
dist. marked T15S, R6E S16 B.T.
An aspen 7 ins diam. bears S69°E 49 lks.
dist. marked T15S R6E S21 B.T.
An aspen 8 ins diam bears S48°W 38 lks.
dist. marked T15S, R6E, S20 B.T.
An aspen 6 ins diam. bears N34°W 28 lks.
dist. marked T15S, R6E, S17 B.T.
Land mountainous
Soil Sandy loam 2nd rate
Timber Aspens on 8000 chs scattering
pine on 43,00 chs
Mountainous land on 8000 chs.

S89°57'E on a random line bet. secs. 16 and 21
40,00 Set a temp 1/4 sec. cor.
80 25 Intersect N. and S. line 27 lks S of cor. to
secs. 15 16 21 and 22
Thence I run
S84°57'W on a true line bet secs 16 and 21
Over mountainous land through
sage brush Ascend
5.10 Road bears N. and S.
7 00 Enter scattering aspen
17,75 Top of low ridge bears N.E. and S.W.
Descend gradually
20.00 Small pond 100 lks long and 25 lks wide
50 lks. S. of line
30.00 Pond 150 chs diam 55 lks S of line
40 12 Set a sand stone 16x12x3 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 N12°E 53 lks dist.
marked 1/4 S16 B.T.
An aspen 14 ins diam bears S39°W 70 lks dist.
marked 1/4 S21 B.T.
64.75 Bottom of draw spring branch 5 lks wide

3 ins dup runs N.E. Ascend rapidly also
enter dense aspens
67.00 Road bears N.E. and S.W.
— 80.25 The cor of secs 16.17.20 and 21
Land mountainous
Soil Sandy loam 2nd rate
Timber Aspens on 73.25 chs
Mountainous land and dense under-
growth on 80.25 chs

No 3 W bet secs 16 and 17
Over mountainous land thro aspens Ascend along E slope of spur
15.00 Commence descend rapidly
23.00 Enter pine timber
40.00 Set a sand stone 18 x 14 x 6 ins 12 ins in the
ground for 1/4 sec cor marked 1/4 on W face
from which
An aspen 10 ins diam bears N 64° W 36 lks dist
marked 1/4 S 17 B.T.
An aspen 14 ins diam bears S 82° E 41 lks dist
marked 1/4 S 16 B.T.
51.00 Bottom of Ravine descends S.E. Ascend
abruptly also leave timber N.W. and S.E.
enter sage brush
71.60 Top of spur projects S.E. thence along
E slope
— 80.00 Set a sand stone 18 x 10 x 4 ins 12 ins in the
ground for cor of secs 8, 9, 16, and 17 marked
with 4 notches on S and E edges: and
raise a mound of stone 2 ft base 1 1/2 ft
high W of cor Pits impracticable
Land mountainous
Soil gravelly 2nd rate
Timber Aspens on 57.00 chs
Pine on 23.00 chs
Mountainous land and dense under-
growth on 80.00 chs

August 22 1900

Subdivision of T15S R6E continued

Chains	
	N 89°51' E on a random line bet. secs. 9 and 16
40.00	Set a temp. 1/4 sec. cor.
80.00	Intersect N and S. line 21 lks. N. of cor. to secs. 9, 10, 15, and 16
	Thence I run
	West on a true line bet. secs. 9 and 16
	Over mountainous land. Descend
1.00	Bottom of draw drains N. Ascend
3.00	Enter aspen timber
9.00	Top of spur projects N. Descend.
30.00	Creek 8 lks. wide 4 ins deep runs N. Ascend abruptly
32.00	Road bears N. and S. Leave timber N. and S.
40.00	Set a sandstone 14 x 10 x 6 ins 9 ins in the ground for 1/4 sec. cor. marked 1/4 on N. face; and raise a mound of stone 2 ft. base 1 1/2 ft high N. of cor. Pits impracticable.
43.00	Enter aspen timber Ascend abruptly
65.00	Leave " " N. and S.
80.00	The cor of secs 8, 9, 16, and 17
	Land mountainous
	Soil Sandy. Vaam 2nd rate
	Timber aspen on 49.00 chs.
	Mountainous land on 80.00 chs.

Aug 28, 1930 at 9h 00m a. m. l. m. t. I set off 39°31' N on the lat. arc; 11°28' N on the decl. arc; and determine a true meridian with the solar. At the cor of secs. 8 9 16 and 17

Thence I run

N 00°3' W. bet. secs. 8 and 9

Over mountainous land through sage brush Ascend along E. slope

10.00	Top of spur projects E. Ascend gently along E. slope,
26.00	Enter aspen timber
37.00	Leave " " E. and W.

Subdivision of T16S R6E continued

chains	
40.00	Set a sand stone 14x10x5 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 00	Top of ridge bears N E and S W. Descend
43 00	Enter pine timber.
71 00	Spring branch 2 lks. wide 1 in. deep runs N. W 1.50 lks W of line
80.00	Set a sand stone 12x12x6 ins 8 ins in the ground for cor. of secs. 4, 5, 8 and 9 marked with 5 notches on S, and 4 notches on E. edges: from which A pine 14 ins diam bears N 2° E 71 lks. dist. marked T. 16 S. R. 6 E. S. 4 B. T. A pine 7 ins diam. bears S 7° E 41 lks. dist. marked T. 16 S. R. 6 E. S. 9 B. T. A pine 7 ins diam bears N 5° W 27 lks dist. marked T 15 S R. 6 E. S. 5 B. T. A pine 10 ins diam bears S 5° W 30 lks. dists. marked T. 15 S. R. 6 E. S. 8 B. T.
	Land mountainous
	Soil sandy loam 2nd rate
	Timber pine on 37. 00 chs.
	Aspen on 11 00 chs.
	Mountainous land on 8.00 chs.

	East on a random line bet. secs. 4 and 9
40.00	Set a temp 1/4 sec. cor.
74.20	Intersect N. and S. line at cor. of secs. 3, 4, 9 and 10
	Thence I run
	West on a true line bet. secs. 4 and 9
	Over mountainous land
	Ascend gently in meadow
3 00	Spring bears S 65 lks
15 00	Leave meadow Commence ascend abruptly through scattering aspens
39 95	Set a sand stone 18x12x4 ins 12 ins in the ground for 1/4 secs. cor. marked 1/4 on

Subdivision of T15 S R6 E continued

Chains	
	N face; from which
	An aspen 8 ins diam. bears N.5° W 15 lks. dist.
	marked 1/4 S 4 B.T.
	An aspen 10 ins diam. bears S. 4 lks. dist.
	marked 1/4 S. 9 B.T.
50.00	Top of ridge bears N.E. and S.W.
	Descend rapidly
60.00	Enter pine
79.90	The cor of secs. 4, 5, 8 and 9
	Land mountainous
	Soil Sandy loam 2nd rate
	Timber scattering aspen on 64.90 chs.
	Pine on 19.90 chs.
	Mountainous land on 79.90
	Aug. 23 At this cor. I set off 11°26' N on the
	decl. arc; and at 12h 00m m.l.m.t.
	observe the sun on the meridian
	the resulting lat. is 39°32' N

	N 0° 03' W on a random line bet secs. 4 and 5
40.00	Set a temp. 1/4 sec. cor.
67.28	Intersect the N bdy of T. 33 lks E. of old
	cor. to secs. 4, 5, 32 and 33 heretofore
	described
	Thence I run
	S 0° 20' E on a true line bet. secs. 4 and 5
	Over mountainous land through
	Aspen timber descend
23.00	Leave aspen timber enter sage
27.28	Set a sand stone 16 x 12 x 5 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 1 1/2 ft. high W. of cor.
	Pits impracticable
33.18	Bottom of Ravine Creek 10 lks. wide
	6 ins deep runs E. ascend
39.20	Road bears E. and S.W.
42.70	Spring branch 4 lks wide 2 ins deep

runs N. E. Also enter pine timber
44.20 Road bears N. E. and S.W.
53.25 A Saw mill bears W. 5.00 chs, dist.
67.28 The cor. of secs. 4, 5, 8 and 9
Land mountainous
Soil gravelly 3rd rate
Timber pine on 24.58 chs.
Aspen on 25.00 chs.
Mountainous land on 67.28 chs

Aug 23 at 4h 00m p.m. l.m.t. I set off 39° 29' N on the lat arc: 11° 23' N on the decl. arc: and determine a true meridian with solar At the cor. of 29, 30, 31 and 32
Thence I run
S 0° 03' E on a true line bet secs 31 and 32
Over mountainous land through scattering aspens and pine timber Descend
9.30 Spring branch 1 lks wide runs S.E.
28.00 " " " " " " " Ascend
31.85 Low spur projects S.E. Descend
37.35 Bottom of draw spring branch 2 lks wide runs S.E. ascend
40.00 Set a sand stone 18 x 6 x 3 ins 12 ins in the ground for 1/4 sec. cor. marked 1/4 on W face: from which
A pine 8 ins diam bears S. 47° W. 49 lks, dist. marked 1/4 S. 31, B.T.
A pine 16 ins diam bears N 32° E 63 lks dist. marked 1/4 S 32 B.T.
40.60 Leave timber E and N.W.
53.40 Top of spur projects S.E. Descend abruptly
60.30 Enter aspen timber
67.30 Leave aspens enter pine timber E and W
72.30 Bottom ravine spring branch 10 lks wide 6 ins deep runs S.E. ascend
80.35 Intersect the third standard parallel

Subdivision of T.15 S. R.6 E. Continued

chains

South 7.90 chs W of the Standard cor. of secs. 31 and 32 and 11.80 chs W of the closing cor of secs 5 and 6 T16 S. R.6 E both corners heretofore described. At my point of intersection I set a sand stone 18 x 14 x 3 ins 12 ins in the ground for closing cor. of secs. 31 and 32 marked C.C. on N. with 5 grooves on E and 1 groove on W face; from which
An aspen 14 ins diam. bears N 54° E 116 lks. dist. marked T.15 S R.6 E S. 32 B.T.
An aspen 10 ins diam. bears N 6° W 181 lks. dist. marked T.15 S R.6 E S.31 B.T.
I destroyed all marks of Standard sec. cor. pertaining to secs. 31 and 32
Land Mountainous
Soil stony 3rd rate
Timber pine on 53.65 chs.
Aspens on 47.60 chs.
Mountainous land on 80.35 chs
August 23-1900

August 24-1900 At 7h 00m a.m. l.m.t. I set off 39° 29' N. on the Lat. arc; 11° 11' N on the decl. arc; and determine a true meridian with the solar at the cor. of secs 29, 30, 31, and 32
Thence I run
N 0° 03' W. bet. secs. 29 and 30
Over mountainous land through pine timber Ascend
10.00 Leave timber E. and W.
40.00 Set a sand stone 14 x 10 x 10 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
41.25 Top of Ridge bears N.W. and E. for a dist. of 5.00 chs. then S.E. Descend also enter dense pine timber

Subdivision of T.15 S. R.6 E. continued

chains	
49.00	Bottom of cavine spring branch 2 lks wide 1 in. deep drains S E. Ascend also leave timber enter sage brush
64.00	Spring on line drains E.
75.00	Ascend abruptly broken ledges
78.00	Top of spur project E Descend enter pines
80.00	Set a sand stone 18x12x12 ins 12 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 A pine 7 ins diam. bears N 34° E 29 lks. dist. marked T.15 S R.6 E. S.20 B.T. A pine 13 ins diam. bears N 58° W 95 lks. dist. marked T.15 S. R.6 E. S.19 B.T. A pine 12 ins diam. bears S 12½ W 29 lks. dist. marked T.15 S. R.6 E. S.30 B.T. No trees in sec 29 therefore I raise a mound of stone 2 ft base 1½ ft high W of cor. Pits impracticable Land mountainous Soil stony and Rocky 3rd and 4th rates Timber pine on 18.75 chs Mountainous land on 80.00 chs.

East on a random line bet. secs. 20 and 29

40.00	Set a temp. 1/4 sec. cor.
79.95	Intersect N. and S. line 9 lks. S. of cor. of secs. 20 21 28 and 29 Thence I run S. 89° 56' W. on a true line bet. secs. 20 and 29 Over mountainous land through dense aspen timber Ascend
39.97	Set a sand stone 18x16x8 ins 12 ins in the ground for 1/4 sec. cor. marked 1/4 on N. face; from which An aspen 13 ins diam. bears N. 16½ E. 76 lks dist. marked 1/4 S.20 B.T. An aspen 10 ins diam. bears S 66° E 21 lks. dist.

Chains	
	Marked 1/4 S. 29 B. T.
42.00	Leave Aspen timber N. E, and S. enter brush
66.00	Point of spur projects N. E, Continued ascending also enter pine timber.
79.95	The cor. of secs. 19, 20, 29, and 30
	Land Mountainous
	Soil gravelly 3rd rate
	Timber Aspen 42.00 chs. Pine, on 13,95 chs, Mountainous land on 79,95 chs,

Knowing from former survey that a closing cor. for secs. 19 and 30 would be necessary I ran
West on a true line bet. secs. 19 and 30
Over mountainous land through pine timber
Ascend
10.00 Top of ridge bears N. W. and S. E, Descend also leave timber N W enter brush
40.00 Set a sand stone 18 x 10 x 4 ins 12 ins in the ground for 1/16 sec. cor, marked 1/4 on N face; and raise a mound of stone 2 ft base 1½ ft high N. of cor. Pits impracticable
40.40 Commence Ascend rapidly
58.50 Top of Ridge bears N. E, and S. W, joins to main ridge about 15.00 chs S. W, ascend along N. slope also enter pine timber
73.70 Intersect W bdy of T 15 S R 6 E 18,84 chs N of cor. of secs. 19, 24, 25 and 30 heretofore described Pits any point of intersection I set a sand stone 18 x 14 x 14 ins 12 ins in the ground for closing cor. of secs 19 and 30 marked C. C. on E with 2 grooves on S and 4 grooves on N faces; from which
A pine 6 ins diam. bears N 80° E. 15 lks. dist, marked T 15 S, R 6 E, S. 19 B. T.
No other trees within limits thereof
I raise a mound of stone 2 ft base 1½ ft high E of cor. Pits impracticable.

chains

I destroyed all marks of sec. cor. pertaining to secs. 19 and 30
Land mountainous
Soil stony 3rd rate
Timber pine on 25.20 chs.
Mountainous land on 73.70 chs.
August 24 At this cor. I set off 11° 05' N on the decl. arc: and at 12h 00m m. l. m. t. observe the sun on the meridian the resulting Lat is 39° 30' N.

N 0° 03' W bet. secs. 19 and 20
Over mountainous land through pine timber Descend abruptly
40.00 Enter Aspens Set a sand stone 18 x 6 x 4 ins 12 ins in the ground for 1/4 sec. cor. marked 1/4 on W. face; from which
A pine 20 ins. diams bears S 3° E 41 lks dist. marked 1/4 S. 20 B.T.
An aspen 8 ins diam. bears N 9½° W. 152 lks. dist. marked 1/4 S. 19 B.T.
50.50 Spring runs E.
56.00 Bottom of draw spring branch 2 lks. wide 1 in. deep drains S.E. Ascend
79.00 Leave timber E. and W.
80.00 Set a sand stone 18 x 14 x 3 ins 12 ins in the ground for cor. of secs. 17, 18, 19 and 20 marked with 3 notches on S and 5 notches on E edges: from which
An aspen 5 ins diam. bears S 11° W 78 lks. dist. marked T15S, R6E, S19 B.T.
An aspen 6 ins diam. bears S 9° E 106 lks. dist. marked T15S, R6E, S20 B.T.
No trees in secs 17 and 18 therefore I raise a mound of stone 2 ft base 1½ ft high W of cor. Rits impracticable
Land mountainous

Soil gravelly 3rd rate
Timber pine 79.00 chs,
Aspen on 39.00 chs,
Mountainous land on 80.00 chs

N89°56'E on a random line bet secs 17 and 20
40.00 Set a stump ¼ sec. cor.
79.80 Intersect N. and S. line 12 lks. S. of cor. of secs 16, 17, 20, and 21
Thence I run
S89°51'W on a true line bet. secs. 17 and 20
Over mountainous land through aspen timber Ascend
3.00 Point of spur projects S. E. Descend abruptly
13.40 Road bears N.W. and S.E.
15.00 Bottom of draw drains S.E. Ascend
39.95 Set a sand stone 16 x 10 x 6 ins. 11 ins. in the ground for ¼ sec. cor. Marked ¼ on N face from which
An aspen 8 ins diam bears S 23° E 20 lks. dist. marked ¼ S 20 B.T.
An aspen 10 ins diam bears N 65° E 15 lks. dist. marked ¼ S. 17 B.T.
49.00 Leave aspen timber enter sage brush N. and S.
53.50 Top of spur projects S.E. Descend
79.80 The cor. of secs. 17, 18, 19 and 20
Land mountainous
Soil gravelly 3rd rate
Timber aspen on 49.00 chs
Mountainous land on 79.80 chs.

Knowing from previous retracement of the W. bdy. that a closing

Cor. would be necessary for secs. 18 and 19 I run
West on a true line bets. secs. 18 and 19
Over mountainous land through wild currant brush descend
9.00 Enter scattering pine
32.00 Leave " " N. and S.
39.00 Bottom draw drains S E Ascend
40.00 Set a sand stone 18x12x4 ins 12 ins in the ground for 1/4 sec. cor. marked 1/4 on N face: and raise a mound of stone 2 ft base 1 1/2 ft high N of cor.
Pits impracticable
41.00 Commence ascend abruptly
60.00 Top of abrupt ascent thence ascend gently
73.90 Intersect the W. bdy. of T. 14.23 chs. N. 1°46' W. of old cor. of secs. 13, 18, 19, and 2 heretofore described; At my point of intersection I set a sand stone 16x12x4 ins. 11 ins. in the ground for closing cor. to secs 18 and 19 marked C.C. on E. and with 3 grooves on N and S. faces: and raise a mound of stone 2 ft. base 1 1/2 ft. high E. of cor. Pits impracticable
I destroyed all marks of sec. cor. pertaining to secs. 18 and 19
Land mountainous
Soil stony 3rd rate
Timber pine on 23.00 chs
Mountainous land and dense undergrowth on 73.90 chs.

August 24 1900

Aug. 25 at 7h 00m a.m. l.m.t. I set off 39° 30' N on the lat. arc; 10° 50' N on the decl arc: and determine a true meridian with the solar at the cor. of secs

	17, 18, 19 and 20
	Thence I run
	N 0° 30' W bet secs 17 and 18
	Over mountainous land through
	wild currant brush Ascend
19 00	Top of spur projects S.E. Descend
	abruptly also enter scattering pine
40.00	Set a sand stone 20 x 10 x 6 ins 15 ins in
	the ground for 1/4 sec. cor. marked
	1/4 on W. face: from which
	A pine 24 ins diam bears N 74 W 93 lks.
	dist marked 1/4 S. 18 B.T.
	A pine 10 ins diam bears N 23 E 64 lks dist
	marked 1/4 S. 17. B.T.
46 50	Spring on line in bottom of draw drains E.
73 73	Top of small ridge slope E,
80.00	Set a sand stone 20 x 6 x 6 ins 15 ins in the
	ground for cor. of secs. 7, 8, 17, and 18 marked
	with 4 notches on S, and 6 notches on E.
	edges: from which
	A pine 12 ins diam. bears N 20 1/2 W 100 lks.
	dist marked T. 15 S. R. 6 E. S. 7 B.T.
	No other trees within limits therefore
	I 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 scattering pine on 61.00 chs.
	Mountainous land on 80.00 chs.

	N 89° 57' E on a random line bet secs 8 and 17
40 00	Set a stump 1/4 sec. cor.
79 78	Intersect N. and S. line 2 lks. S. of cor of secs.
	8, 9, 16, and 17
	Thence I run
	S 89° 57' W on a true line bet. secs. 8 and 17
	Over mountainous land through
	sage brush Ascend

Chains	
3.75	Top of spur projects S E. Descend
18.75	Enter aspen timber
21.75	Bottom of draw drains S E ascend
31.75	Point of spur projects S. Descend
39.89	Set a sand stone 16 x 8 x 4 ins 11 ins in the ground for 1/4 sec cor. marked 1/4 on N. face: from which An aspen 8 ins diam. bears NE 8 lks. dist marked 1/4 S. B. T. An aspen 6 ins diam bears S 73° E 45 lks. dist, marked 1/4 S 17. B. T.
41.25	Bottom of draw drains S E Ascend
45.75	Leave timber N. and S.
59.75	Top of spur project S. E. Descend
73.20	Road bears N W and S E
76.75	Draw drains S, E. Ascend
79.78	The cor. of secs. 7, 8, 17, and 18 Land mountainous Soil sandy loam 2nd rate Timber Aspen on 27 00 chs Mountainous land on 79.78 chs.

Knowing from previous retracement of the W bdy. of this Tp. that a closing cor. would be necessary for secs 7 and 18 I run West on a true line bet. secs. 7 and 18 Over mountainous land through scattering pine timber Ascend

3.60	Leave timber N and S enter brush
40.00	Set a sandstone 16 x 12 x 4 ins 11 ins in the ground for 1/4 sec. cor. marked 1/4 on N face: and raise a mound of stone 2 ft base 1 1/2 ft high N of cor. Pits impracticable.
55.00	Commence ascend abruptly
71.00	Top of divide bet Jam Pete and Huntington drainage N and S descend Also enter pines
75.95	Intersect W. bdy. of T. 14.00 chs N. 28° W. of old cor. to secs 7, 12, 13, and 18 At my point of intersection I set a sand stone

Subdivision of T15 S R6 E Continued

Chains	
	16 x 12 x 10 ins 11 ins in the ground for closing cor. of secs. 7 and 18 marked C.C. on E with 4 grooves on S and 2 grooves on N faces: from which A pine 8 ins diam. bears S 65° E 18 lks dist marked T15 S, R6 E, S18 B.T. A pine 16 ins diam. bears N 66° E 24 lks dist marked T15 S, R6 E, S7 B.T. I destroyed all marked on sec. cor. pertaining to secs. 7 and 18
	Land mountainous
	Soil stony 3rd rate
	Timber scattering pine on 40.95 chs. Mountainous land on 75.95 chs.
	Aug. 25 At this cor I set off 10° 44' N on the decl. arc, and at 12h 00m m. l.m.t. observe the sun on the meridian the resulting lat. is 39° 31' N.
	N 0° 03' W. bet. secs. 7 and 8
	Over mountainous land through wild currant brush Descend
2.00	Road bears N W and S E
2.25	Bottom of draw drains S. E. Ascend
10.00	Commence ascend abruptly
40.00	Set a sand stone 16 x 10 x 4 ins 11 ins in the ground for 1/4 sec. cor. marked 1/4 on W faces and raise a mound of stone 2 ft. base 1 1/2 ft. high W of cor. Pits impracticable
48.00	Top of ridge bears N W and S E. Descend abruptly also enter pine timber
51.00	Enter dense pine timber
80.00	Set a sand stone 20 x 6 x 5 ins 15 ins in the ground for cor. of secs. 5, 6, 7, and 8 marked with 5 notches on S and E edges: from which A pine 8 ins diam. bears N 17° E 48 lks dist. marked T15 S R6 E S5 B.T. A pine 10 ins diam. bears S 66° E. 56 lks dist.

Chains	
	marked T15 S. R.6 E. S. 8 B.T.
	A pine 10 ins diam. bears N49°W 68 lks. dist.
	marked T15 S. R.6 E. S. 6 B.T.
	A pine 8 ins. diam. bears S38°W 25 lks dist.
	marked T15 S. R.6 E. S. 7 B.T.
	Land mountainous
	Soil sandy loam and stony 2nd and 3rd rate
	Timber pine on 32.00 chs.
	Mountainous land on 80.00 chs.
	N89°50'E on a random line bet secs 5 and 8
40.00	Set a temp 1/4 sec. cor.
79.70	Intersect N. and S line 12 lks. N. of cor. of secs. 4.5.8 and 9
	Thence I run
	S89°55'W. on a true line bet. secs. 5 and 8
	Over mountainous land through pine timber Descend
20.00	Bottom of Ravine spring branch 2 lks wide 1 in deep runs N.E. Ascend
39.85	Set a sand stone 16x14x5 ins 11 ins in the ground for 1/4 sec. cor. marked 1/4 on N face: and raise a mound of stone 2 ft base 1 1/2 ft high. N of cor. Pits impracticable The timber where cor. set too small to mark for bearing trees
50.00	Top of spur projects N.E. Descend gently
79.70	The cor of secs 5.6.7 and 8
	Land mountainous
	Soil stony 3rd rate
	Timber pine
	Mountainous land on 79.70 chs.
	Knowing from previous retracement of the W bdy of this T. that a closing cor. for secs. 6 and 7 would be necessary

I run
West on a true line bet. secs. 6 and 7
Over mountainous land through
pine timber Ascend along N slope
36.80 Leave timber N. and S. E.
40.00 Set a sand stone 16 x 8 x 3 ins 11 ins in the
ground for 1/4 sec. cor. marked 1/4 on N. face;
and raise a mound of stone 2 ft. base 1 1/2 ft.
high W. of cor. Pits impracticable
45.00 Commence ascend abruptly
53.30 Ditch, used to collect snow water for
irrigating purposes in San Pete
valley
58.30 Top of divide bet San Pete and Huntington
drainage Descend gradually
also enter scattering pine
59.40 Road bears N.W. and S.
61.00 Leave timber N. and S.
78.13 Intersect the W. bdy. of T. 13.49 chs. N. 1° E. W.
of old cor. of secs. 1. 6. 7 and 12 heretofore
described at my point of intersection
I set a sand stone 16 x 12 x 4 ins 11 ins in the
ground for closing cor. to secs. 6 and 7
marked c.c. on E with 5 grooves on S. and 1
grooves on N faces; and raise a mound
of stone 2 ft. base 1 1/2 ft. high E. of cor.
Pits impracticable
I destroyed all marks of sec. cor. pertaining
to secs 6 and 7
Land mountainous
Soil stony 3rd rate
Timber pine on 39.50 chs.
Mountainous land on 78.13 chs.

Aug. 25 1900

No. 3 W on a random line bet secs 5 and 6
40.00 Set a temp 1/4 sec. cor.
66.71 Intersect N. bdy. of T. 3 S. R. E. of old cor.
of secs. 5. 6. 31 and 32 heretofore described

Chains	
	Thence S 23° E on a true line bet secs. 5 and 6
	Over mountainous land through sage brush Ascend.
1.20	Top of spur projects S 85° E Descend abruptly
24 70	Bottom of abrupt descent thence descend gently
26.40	Road bears E and W
26.71	Set a sand stone 14 x 9 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
35 70	Bottom of Ravine Creek 3 lks wide 2 ins deep runs E. Ascend also enter dense pine timber
54.70	A Saw mill bears E 2.50 chs
66.71	The cor to secs 5. 6. 7 and 8
	Land mountainous
	Said stony 3rd rate
	Timber pine on 31.01 chs
	Mountainous land on 66.71 chs.

General description

This township consists of mountainous land its being especially adopted for grazing purposes is covered with an abundant growth of rich and nutritious grasses, and furnishes feed for numerous herds of sheep pastures in this township

Timber is found throughout the township and consists of aspen and pine the latter being found in the eastern and western portion of the township

The township is well watered by numerous streams and springs of pure fresh water forming the tributaries to Left fork of Huntington River which flows through the northeastern portion of the township from N. W. to S. E.

Subdivision of T15S R6E continued

The indications of coal are sufficient to warrant returning as coal land the following secs. 1, 2, 12 and NE¼ of sec. 11

There is a coal prospect in the SW¼ of sec 2 claimed and now being developed by the City of Mt. Pleasant San Pete county

There are no other indications of mineral in the township

James C Dick
US Dep Survr

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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:

For final affidavits see book 27 Tp 155 R 5 E

....., *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 .....

For final affidavits see book 27 Tp 155 R 5 E

....., *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 ..... 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, December 2, 1899.

The foregoing field notes of the survey of The Subdivisions of Township 15 South, Range 6 East of the Salt Lake Base and Meridian, Utah

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.....

.....

executed by James C. Dick under his contract No. 222, dated November 24, 1899, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Edward A. Anderson

United States Surveyor General.

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

.....

United States Surveyor General

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