Volume

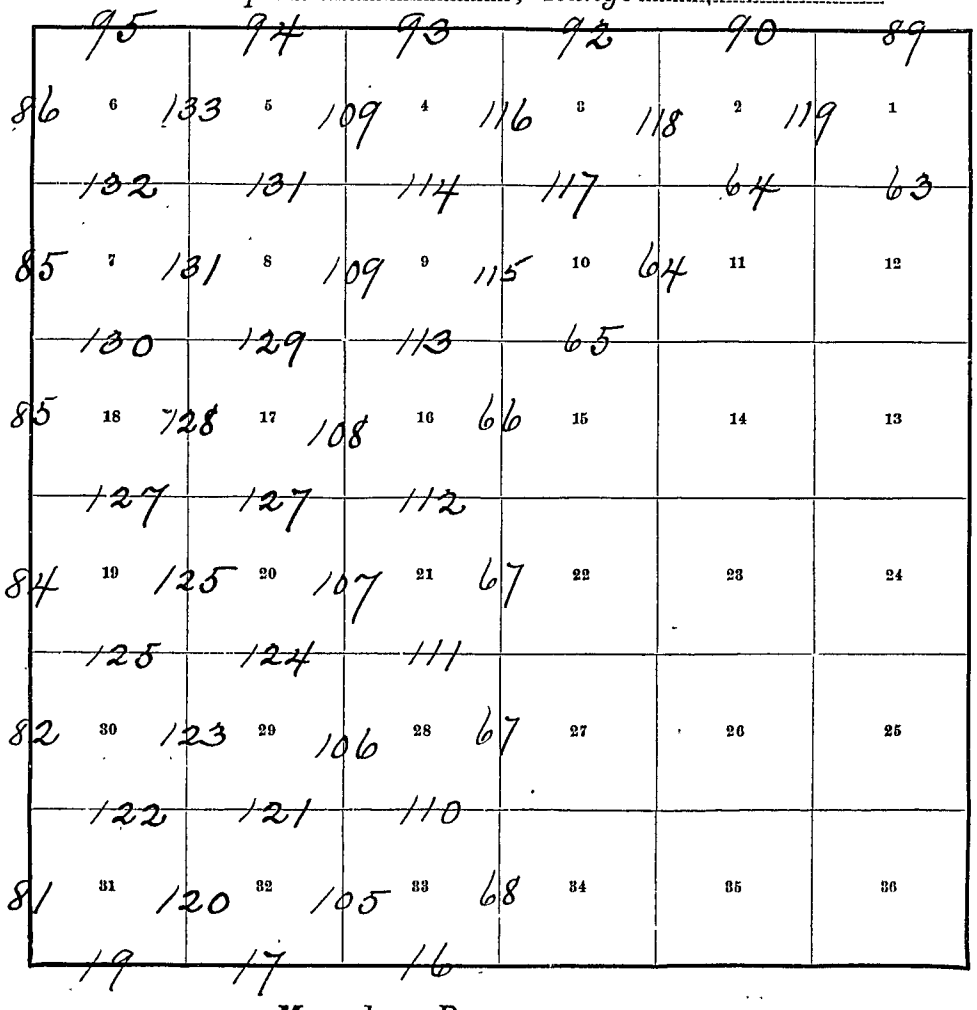
# #

R0287

BOOK A-287

INDEX DIAGRAM.

Township 30 S., *Range* 4 W.



Meanders Page.....

PRELIMINARY OATHS OF ASSISTANTS.

We, , and
do solemnly swear that we will well and faithfully execute the duti
chain over even and uneven ground, and plumb the tally pin
we will report the true distances to all notable objects, and the
measuring, to the best of our skill and ability, and in accordance with

Subscribed and sworn to before me this
day of , 189

SEAL

We, , and
do solemnly swear that we will well and truly p
of corners, according to the instructions given m

Subscribed and sworn to before me thi
day of , 189

SEAL

We, , and
do solemnly swear that we will well and truly
and other duties, according to instruction

Subscribed and sworn to before me this
day of , 189

SEAL

I, , do solemnly
perform the duties of flagman according to instructions given me, to the
survey of

Subscribed and sworn to before me this
day of , 189

SEAL

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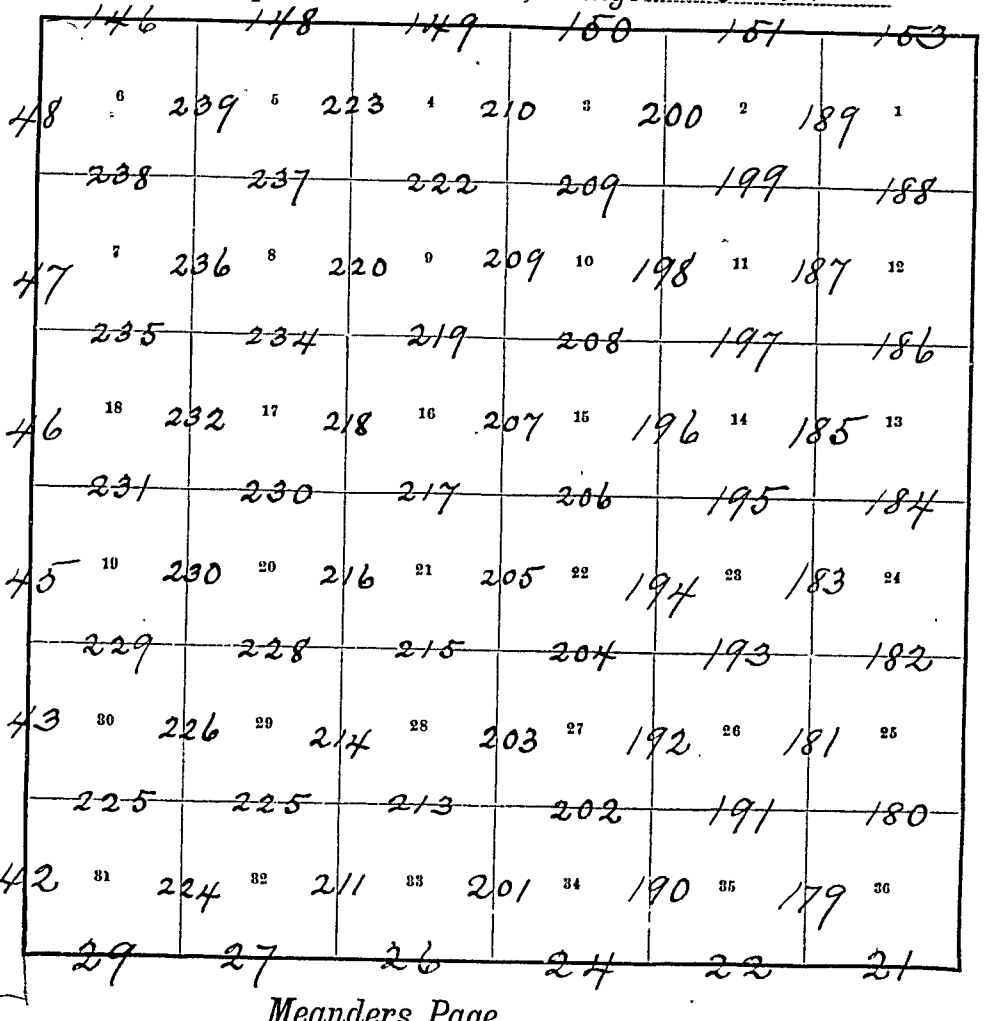
INDEX DIAGRAM.

Township 30 S., *Range* 5 W.



Meanders Page.....

E. Bdy. Tt. Cameron W. & J. Res. pg. 167.

PRELIMINARY OATHS OF ASSISTANTS.

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

_____, *Chainman.*

_____, *Chainman.*

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

SEAL

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

_____, *Moundman.*

_____, *Moundman.*

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

SEAL

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

_____, *Axman.*

_____, *Axman.*

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

SEAL

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

_____, *Flagman.*

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

SEAL

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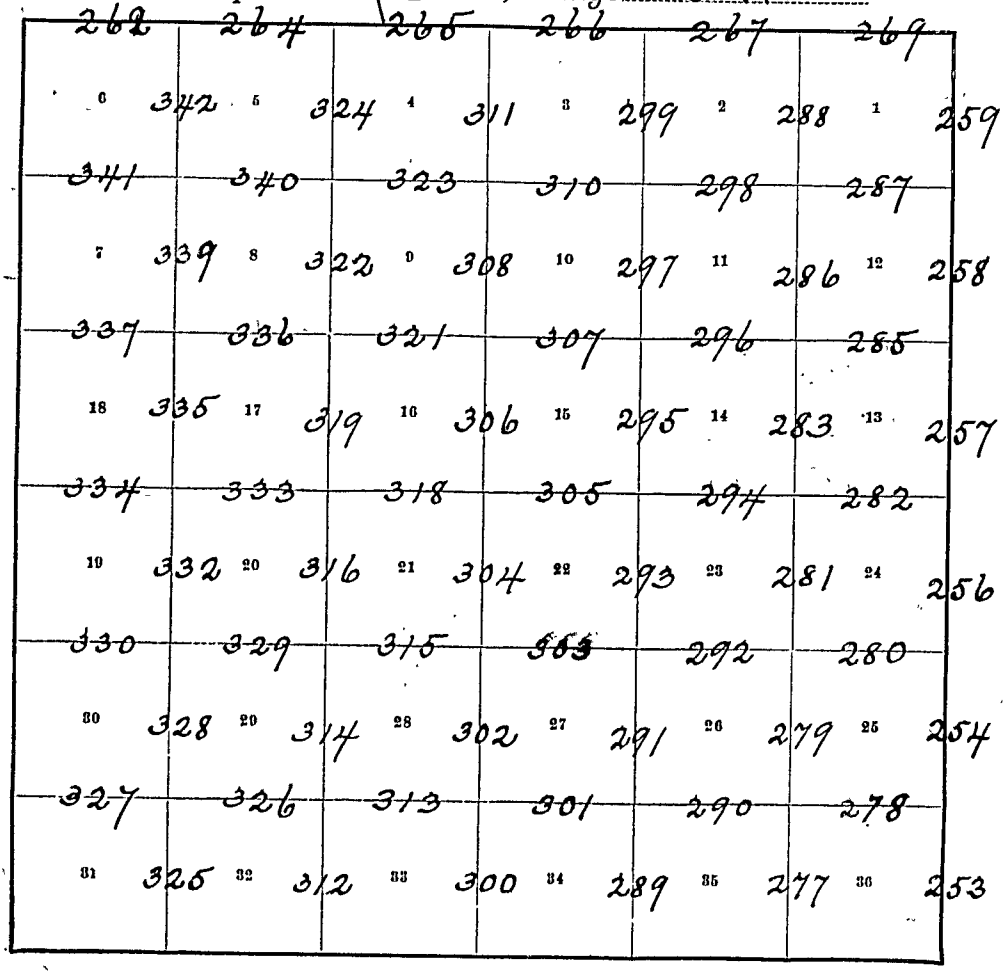
INDEX DIAGRAM.

Township 29 S., *Range* 5 W.



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E. Bdy. St. Cameron W. & J. Res. pg. 161 to 166.

PRELIMINARY OATHS OF ASSISTANTS.

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

_____

_____, *Chainman.*

_____, *Chainman.*

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

SEAL

_____

_____

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

_____

_____, *Moundman.*

_____, *Moundman.*

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

SEAL

_____

_____

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

_____

_____, *Axman.*

_____, *Axman.*

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

SEAL

_____

_____

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

_____, *Flagman.*

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

SEAL

_____

_____

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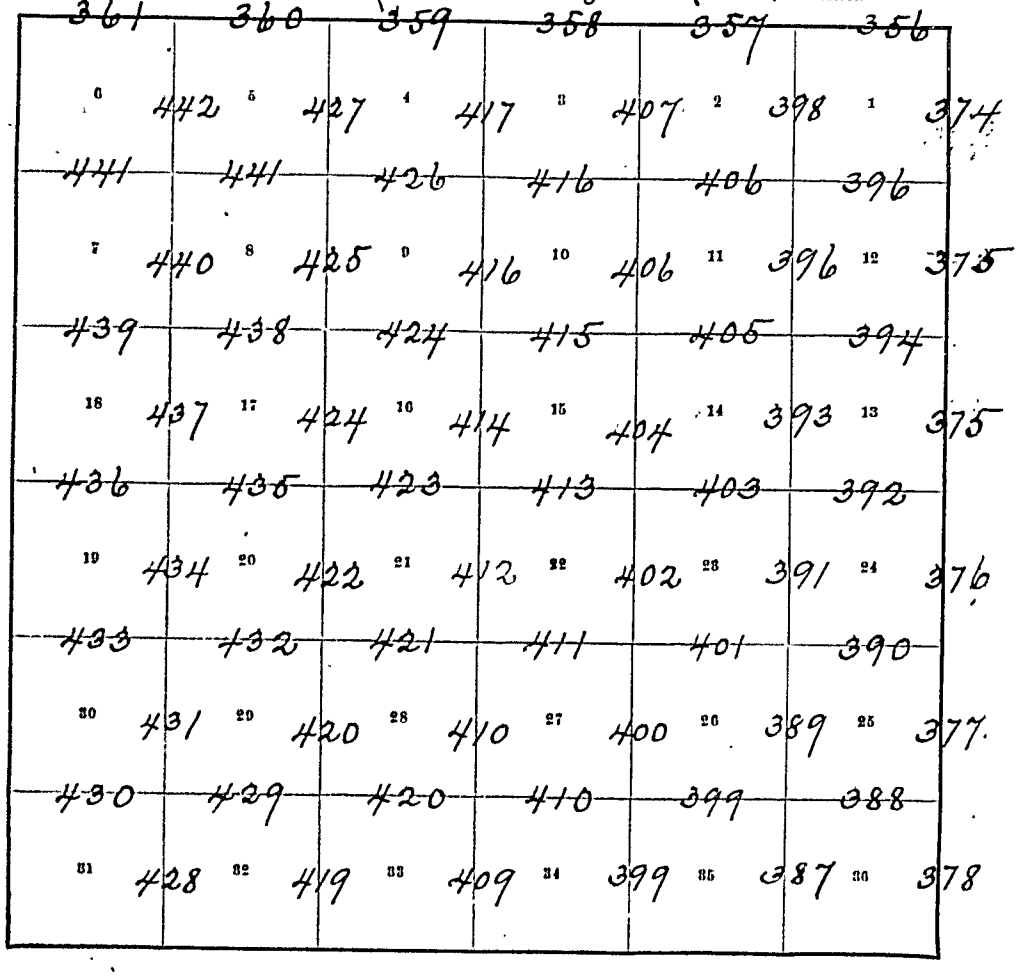
Township 29 S., *Range* 4 W.



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PRELIMINARY OATHS OF ASSISTANTS.

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

_____

_____, *Chainman.*

_____, *Chainman.*

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

SEAL

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

_____

_____, *Moundman.*

_____, *Moundman.*

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

SEAL

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

_____

_____, *Axman.*

_____, *Axman.*

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

SEAL

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

_____, *Flagman.*

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

SEAL

4—679.

A.

BOOK A-287

9

FIELD NOTES

K.F.B.

OF THE Re SURVEY OF THE

Sixth

Standard Parallel South

through

Ranges

Nos. 4 and 5 West

Of the Salt Lake, base and Meridian,

In the State of Utah.

AS SURVEYED BY

Hubert D. Page and Harry Erwin, United States Deputy Surveyors

Under ~~his~~ their Contract No. 737, dated November 24th, 1899

Survey commenced July 5th, 1900

Survey completed July 8th, 1900.

6—151

Resurvey Standard high M. Chr. [illegible] 9-08-43 ✓ 6-59 ✓ [illegible] 4 W—

Closings—

NAMES AND DUTIES OF ASSISTANTS.

Harvey D. Reist	Chainmen
George N. Stevens	"
Lewis S. Miller	"
Wallace Isbell	"
Newark S. Dawson	Mound men
Doren Benton	"
Newark S. Dawson	Axmen
Doren Benton	"
Harvey Benton	Flagmen

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

Meanders Page.....

PRELIMINARY OATHS OF ASSISTANTS.

We, Harvey D. Feist, George N. Stevens, Lewis S. Miller and Wallace Isbell 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 the Sixth Standard Parallel South, through Ranges 4 & 5 West, of the Salt Lake Base & Meridian in State of Utah.

Harvey D. Feist, Chainman.
George N. Stevens, Chainman.
Lewis S. Miller, Chainman.
Wallace Isbell, Chainman.

Subscribed and sworn to before me this 5th day of July, 1900.

SEAL

Hubert D. Page,
U.S. Deputy Surveyor

We, Newark S. Dawson and Haven Burton 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 the Sixth Standard Parallel South, through Rs. 4 & 5 W. of the Salt Lake Base & Meridian in State of Utah.

Newark S. Dawson, Moundman.
Haven Burton, Moundman.

Subscribed and sworn to before me this 5th day of July, 1900.

SEAL

Hubert D. Page,
U.S. Deputy Surveyor

We, Newark S. Dawson and Haven Burton 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 the Sixth Standard Parallel South through Rs. 4 & 5 W. of the Salt Lake Base & Meridian in the State of Utah.

Newark S. Dawson, Axman.
Haven Burton, Axman.

Subscribed and sworn to before me this 5th day of July, 1900.

SEAL

Hubert D. Page,
U.S. Deputy Surveyor

I, Haven Burton, 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 the Sixth Standard Parallel South through Rs. 4 & 5 W. of the Salt Lake Base & Meridian in the State of Utah.

Haven Burton, Flagman.

Subscribed and sworn to before me this 5th day of July, 1900.

SEAL

Hubert D. Page,
U.S. Deputy Surveyor

6—11

the ground 5.00 chs. N. of the cor. With the 2nd instrument placed over the same initial point. We set off 38°10' N. on lat. arc; 22°44' N. on decl. arc; and determine, with the solar a true meridian; the line thus determined is identical with the 1st instrument.

July 6th 1900. At 12 h. 32 m. p. m. We observe Polaris at Eastern elongation with the 1st instrument, 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 our station. At 7 a. m. L. M. T., We lay off the azimuth of Polaris, 1°35'.5 to the West and mark the true Meridian thus determined; by cutting a small groove in the stone set July 5th, on which the true meridian falls 0.3 ins west of the mark determined by the solar.

At 7 h. 9 m. a.m. L. M. T. We set off 38°10' N. on lat. arc; 22°44' N. on decl. arc; of the 1st instrument, and mark a point in the true meridian determined with the solar, by a cross on the stone already set, 5.00 chs. N. of our station, this mark falls 0.3 ins west of the true meridian established by the Polaris observation.

With the 2nd instrument placed over the same initial point, We set off 38°5' N. on lat. arc; 22°44' N. on decl. arc; and determine with the solar a true meridian, the line thus determined is identical with the true meridian determined by the 1st instrument. and falls 0.3 ins West of the true meridian established by Polaris observation.

The solar apparatus of both instruments by p. m. and a. m. observations, defines positions for true meridians respectively about 0'.3" east and 0'.16" —

Sixth Standard Parallel South, through Range 14 Wes.

Survey Commenced, July 5th 1900.
and executed with two W. and S.E.
Gurley, light mountain transits,
with solar attachments, the
horizontal limb is provided with
two double verniers placed opposite
to each other, reading to single
minutes of arc, which is also
the least count of the verniers
of the latitude and declination arcs.
The instruments were examined
tested on the true meridian at Salt
Lake City, found correct, and were
approved by the Surveyor general
for Utah, June 16th 1900.
We examine the adjustment
of the instruments, and find them
correct; then, to test the solar apparatus
by comparing its indications, re-
sulting from solar observations
made during a.m. and p.m. hrs. with a
true meridian determined by observa-
tion on Polaris, We proceed as follows:
July 5th 1900. At the Standard Cor. of
Secs. 33 and 34 on the S. bdy. of T. 30 S. R. 4 W.
Lat 38°09'30" N., Long. 112°20'18" W.
Which is a trachyte stone 30 x 18 x 13 ins.
firmly set, and marked as described
by the surveyor general, the bearing
trees have been destroyed.
We raise a mound of stone 2½ ft.
base, 1½ ft. high N. of Cor.
Pits impracticable.
At 5 h. o. m. p. m. l. m. t. We set off
38°10' N. on Lat. arc; 22°47' N. on decl. arc.
and determine with the solar a true
meridian, with one of the instru-
ments: and mark a point there-
of on a stone set firmly in

2nd Standard Parallel South, through Range 4 West, continued

chains.

west of the true meridian established by Polaris observation; therefore, I conclude the adjustments of the instruments are satisfactory.

The magnetic bearing of the true meridian at 7h 30m is N. 15° 00' W. the angle thus determined, reduced by the table, page 100 gives the mean mag. decl. 14° 55' E. with the 1st instrument.

We lay off from the true meridian, an angle of 90°, from North to West, and plant.

West on the tangent, on blank line S. of sec. 33.

with two set of chain-men at 40.00 chs. after diligent search no trace of the old standard 1/4 sec. Cor. can be found.

at 80.00 chs. After diligent search no trace of the old standard sec. Cor. can be found.

Therefore, We continue our line West.

We find most of the corners obliterated.

At 9 miles 8.30 chs., intersect N. and S. line, after making proper allowances for the tangents 6.59 chs N. of the Standard Cor. of T. 30 and 31 S., Rs. 5 and 6 W. which is a Hachytic 6 x 11 x 5 ins. above ground, firmly set and marked and witnessed as directed by the Surveyor general.

th Standard Parallel South, through Range 4 West. Continued

Chains

as T. 30 S., R. 4 W. has been partly subdevided and the Tps. N. and S. of this line has not been subdevided.
We return to the Standard Cor. of secs. 33 and 34 on the South bdy. of T. 30 S., R. 4 W. already described.
And resurvey the Sixth Standard Parallel South through R. 4 W. as follows.

July. 7th 1900.
At 10 a.m. l.mt. We set off 38°10' N on lat arc: 22°30' N. on decl. arc: and determine a true meridian with the Solar.

Thence We run West on the tangent, South of sec. 33.
Ascending the East side of mountain, through dense artimesa, and Scattering cedar and pinion.
Difference between measurements of 40.00 chs., by two sets of chain-men is 4 lbs.; Position of middle point By 1st set 40.02 chs.
By 2nd set 39.98 chs.; the mean of which is.
40.00 N. 0.13 ft from the Tangent
Set a tracky tee 14 x 7 x 6 ins. 10 ins. in the ground for reestablished standard 1/4 sec. cor., marked S.C. 1/4 S. 33. on N. face raised a mound of stone 2 ft base, 1 1/2 ft. high N. of Cor. Pits impracticable.

Standard Parallel South, through R. 47 W., continued.

Chains	
	After diligent search no trace of the old Standard 1/4 sec. cor. can be found.
	Difference between measurements of 80.00 chs. by two sets of chainmen is 6 lks.; position of middle point.
	By 1st set 80.03 chs.
	By 2nd set 79.97 chs.: the mean of which is 80.00 chs.
80.00	top of ridge bears N. E. 1/2 N. N. 05 1/2 W. from the tangent.
	Near top of ridge, bears N. 80° E.
	set a planchette 8 x 12 x 10 ins. 12 ins. in the ground for re-established Standard Cor. of secs. 32 and 33
	On the South bdy. of Township
	Marked S. C. on N. with 4 grooves on the E. and 2 grooves on the W. faces.
	From which a pinion 14 ins. in diam. bears N. 63 30' W. 23 lks. dist. Marked T. 30 S., R. 47 W., S. 32 B. T.
	a cedar 14 ins. in diam bears N. 37° E. 47 lks dist. Marked T. 30 S., R. 47 W., S. 33. B. T.
	After diligent search no trace of old Standard sec. cor. can be found.
	Land, mountainous
	Soil, stony 3rd rate.
	Timber, scattering
	Mountainous land and Dense undergrowth 80.00 chs.
	S. 89° 59' W. on the tangent S. of sec. 32.
	Ascending steep slope of Mountain through dense adenesta and

6th Standard Parallel South through R. 4 W. continued

Chains	
	scattering cedar and pinion
24.00	Rocky ridge, bears N.E. and S.W. Descend along N. slope. Difference between measurements of 40.00 chs.; by two sets of chain-men is 4 lks. position of middle point. By 1st set 40.02 chs. By 2nd set 39.98 chs.; the mean of which is.
40.00	N. 1.18 ft. from the tangent. Set a trachyte stone 16 x 14 x 5 ins. 11 ins. in the ground, for reëstablished Standard 1/4 sec. cor. marked S.C. 1/4 S.32 on N. face. raised a mound of stone 2 ft. base 1 1/2 ft. high N. of Cor. Pits impracticable. After diligent search, no trace of the old standard 1/4 sec. cor. can be found.
60.00	Saddle in ridge, bears N. 80° W. and S. 80° E. Ascend. Difference between measurement of 80.00 chs.; by two sets of chain men is 6 lks. position of middle point. By 1st set 80.03 chs. By 2nd set 79.97 chs.; the mean of which is.
80.00	N. 2.09 ft. from the tangent. Set a trachyte stone 14 x 8 x 7 ins. 10 ins. in the ground, for reëstablished standard cor. of secs. 31 and 32. marked S.C. on N. with 5 grooves on the E. and 1 groove on the W. face raised a mound of stone 2 ft. base, 1 1/2 ft. high N. of Cor.

Standard Parallel South, through R. 4 W. continued

Chains.	
	Pits impracticable. After diligent search no trace of the old Standard sec. cor. can be found. Land, mountainous Soil, stony 3rd rate. Timber, & scattering Dense undergrowth and Mountainous land 80.00 chs.
	July 4th At this cor., I set off 22° 36' N. on decl. arc: and, at 0h 5m. p.m. l.m.t. observe the sun on the meridian the resulting lat. is 38° 0' N
	S. 89° 58' W. on the tangent, S. of sec. 31. Ascending, through dense aliminar scattering Cedar and Pinion.
17.00	Ridge, bears N. and S.
31.00	Dry gun, drains S.E.
35.00	Ridge, bears N. and S.
	Difference between measurements of 40.00 chs: by two sets of chain- men is 2 lks.; position of middle point By 1st set 39.99 chs. By 2nd set 40.01 chs. the mean of which is.
40.00	N. 3.28 ft. from the tangent set a Hackberry tree 5 x 8 x 6 ins. 10 ins. in the ground, for reëstablished Standard 1/4 sec. cor. marked S.C. 1/4 S. 31 on N. face, raised a Mound of stone 3 ft. base 1½ ft. high N. of Cor.
	Pits impracticable. After diligent search no

chains.	
	trace of old Standard 1/4 sec. cor. can be found.
45.00	Bottom of ravine, 150 ft. deep. Course S. Ascend along North side of Pine Creek Canon.
	Difference between measurements of 80.00 chs.; by two sets of chain—mean is 6 lks.; position of middle point By 1st set 80.03 chs. By 2nd set 79.97 chs.; the mean of which is
80.00	N. 71° E. from the Tangent set a black t. 4" x 10" x 5 ins. 10 ins. in the ground, for reestablished Standard Cor. of T. 30 S., Rs. 4 & 5 W. Marked S. C. on N. with 6 grooves on the N. E. & W. faces; and raised a mound of stone, 2 ft. base, 1½ ft. high N. of Cor. Pits impracticable. After diligent search no trace of the old Standard Cor. can be found. Land, Mountainous Soil, stony 3rd rate. Timber, Scattering. Dense undergrowth Mountainous land.
	80.00 chs.

July 7th 1900.

For general discription see subdivisions of this Tp.

4th Standard Parallel South, through Range 5 West.

Chains.	
	July 8th 1900.
	At 7 a.m., l. m. t., Ipe set off 38°16' n. on dist. arc; 22°3' n. on decl. arc; and determine a true meridian with the polar. at the standard cor. of T. 30 S., Rs. 4 and 5 W.
	Thence I ran
	West on the tangent, South of sec. 36.
	Ascending, through dense arbitus a scattering cedar and pinion.
8.10	Trachyte Cliffs 50 ft. high, bear S.E. and N.W.
38.00	Ravine 60 ft deep, course S.E.
	Difference between measurements of 40.00 chs. by two sets of chain-men is 4 lks.; position of middle point
	By 1st set 40.02 chs.
	By 2nd set 39.98 chs.; the mean of which is
40.00	No. 13 ft. from the tangent set a trachyte 4 x 10 x 4 ins. 10 ins. in the ground for reëstablished Standard 1/4 sec. Cor. marked S.C. 1/4 S. 36. on N. face,
	raised a mound of stone 2 ft. base, 1½ ft. high N. of Cor.
	Pits impracticable
	After diligent search no trace of the old standard 1/4 sec. cor. can be found.
68.00	Wagon road, Circleville to Beaver bears S.E. and N.W.
69.75	Bottom of Big Pine creek and Cañon 150 ft deep. Creek dry. Course S.80° E.
	ascend.

6th Standard Parallel South, through R 5 W. continued.

Chains.	
	Difference between measurements of 80.00 chs.; by two sets of chainmen is 6 lks.; position of middle point.
	By 1st set 80.03 chs.
	By 2nd set 79.97 chs. the mean of which is.
80.00	N. 0.52 ft. from the tangent set a trachyte 15 x 8 x 5 ins. 10 ins. in the ground, for reestablished Standard Cor. of secs. 35 and 36. Marked S.C. on N. with 5 grooves on the W. and 1 groove on the E. faces. raised a mound of stone 2 ft. base 1½ ft. high N. of Cor.
	Pits impracticable
	After dilligent search no trace of the old standard sec. cor. can be found.
	Land, Mountainous,
	Soil, stony 3rd rate.
	Timber, scattering
	Dense undergrowth and Mountainous land 80.00 chs.
	S. 89°59' W. on the tangent S. of sec. 35
	Ascending, through dense sage and Oak brush.
10.00	Dry ravine 60 ft deep course N. 80° E.
19.50	Wood road, bears N.W. and S.E.
	Difference between measurements of 40.00 chs.; by two sets of chainmen is 2 lks.; position of middle point
	By 1st set 40.01 chs.

Standard Parallel South, through R.5W. continued

By 2nd set 39.99 chs. the mean of which is.

40.00 N. 1.18 ft. from the tangent set a trachyte stone 12 x 10 x 10 ins. 9 ins in the ground, for reëstablished standard 1/4 sec. cor. marked S.C. 1/4 S. 35 on N. face, raised a mound of stone 2 ft. base, 1 1/2 ft high N. of cor.

Pits impracticable.

After dilligent search no trace of the old standard 1/4 sec. cor. can be found.

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

Descend through scattering mahogany.

62.75 Trachyte ledges, 20 ft high, bear N.W. and S.E.

69.00 Wood road bears N.W. and S.E.

69.50 Dry ravine, 200 ft deep. course S.E.

Difference between measurement of 80.00 chs. By two set of chainmen is, 6 lks.; position of middle point

By 1st set 80.03 chs.

By 2nd set 79.97 chs.; the mean of which is

80.00 N. 2.09 ft. from the tangent set a trachyte stone 18 x 12 x 5 ins. 12 ins. in the ground for reëstablished standard cor. of secs. 34 and 35.

Marked S.C. on N. with 4 grooves on the W. and 2 grooves on the E. faces,

raised a mound of stone 2 ft. base,

6th Standard Parallel South, through R. 5 W. continued

Chains

1½ ft. high N. of Cor.
Pits impracticable
After dilligent search no trace of the old Standard sec. cor. can be found.
Land. mountainous
Soil, stony 4th rate.
Timber, scattering Mahogany
Mountainous land and
Dense undergrowth 80.00 chs.

S. 89°58' W. on the tangent S. of sec. 34.
Ascending through dense artimesa oak and scattering Mahogany.
4.00 Top of ridge,
bears N.W. and S.E.
34.15 Ditch
course S.
Difference between measurements of 40.00 chs.; by two set of chainmen is 4 lks.; position of middle point By 1st set 39.98 chs.
By 2nd set 40.02 chs. the mean of which is
40.00 N. 328 ft. from the tangent set a trachyte stone 12 x 10 x 10 ins. 8 ins. in the ground for re-established Standard ¼ sec. cor. marked S.C. ¼ S. 34 on N. face, raised a mound of stone 2 ft. base, 1½ ft. high N. of Cor.
Pits impracticable
After dilligent search no trace of the old Standard ¼ sec. cor. can be found.
61.00 Ravine 150 ft. deep.
drains S. 15° E.

Standard Parallel South, through R. 5 W. continued.

Chains.	
63.50	Spur, projects S. 15° E.
75.00	Ravine 20 ft. deep
	Course S. 15° E.
	Enter scattering aspen and pine timber, bears N. and S.
	Difference between measurements of 80.00 chs. by two sets of chain-men is 8 lks.; position of middle point.
	By 1st set 80.04 chs.
	By 2nd set 79.96 chs. the mean of which is
80.00	N. 4.71 ft. from the tangent, set a trachyte 18 x 6 x 6 ins. 12 ins. in the ground, for reestablished standard cor. of secs. 33 and 34. marked S.C. on N. with 3 grooves on the E. and W. faces.
	Raised a mound of stone 2 ft. base, 1½ ft. high N. of cor.
	Pits impracticable.
	A pine 8 ins. in diam. bears N. 3 lks. dist. marked N. 30 S. R. 5 W. S. 33 and 34 S.C. B.T.
	No other suitable trees within proper limits.
	After dilligent search no trace of the old standard sec. cor. can be found.
	Land, mountainous.
	Soil, stony 4th rate.
	Timber scattering. Mahogany, aspen and pine.
	Dense undergrowth and Mountainous land. 80.00 chs.
	At this cor. we set off 22°29' N on decl. arc; and at 0h 5m. p.m. l.m.t. observe the sun on the meridian, the resulting lat. is 38°10'

Standard Parallel, South, through R. 5 W. continued

Chains.	
	S. 89° 57' W. on the tangent S. of Sec. 33.
	Ascending, through dense artimesa, oak and scattering pine and aspens.
24.50	Rocky spurs, projects S. E.
32.00	Ravine 100 ft. deep. Course S. ascend over broken trachyte ledges.
	Point for 1/4 sec. cor. falls on land subject to slides.
	No trace of old standard 1/4 sec. cor. can be found.
	Difference between measurements of 45.40 chs.; by two sets of chain-men is .6 lks. position of middle point.
	By 1st set 45.43 chs.
	By 2nd set 45.37 chs., the mean of which is.
45.40	N. 6.70 ft. from the tangent on top of ledges 1.5 ft. high bear N. and S.
	Set a trachyte 24 x 24 x 12" in a mound of stone, for witness cor. to re-established standard 1/4 sec. cor. Marked 1/4 C. S. C. 1/4 S. 33 on N. face, raised a mound of stone 2 ft. base, 1 1/2 ft. high N. of cor.
	Pits impracticable.
54.50	Ravine 200 ft. deep. Course S.
71.50	Top of mountain and divide between Sevier and Beaver Valleys. descend.
	Difference between measurements of 80.00 chs.; by two sets of chain-men is 10 lks. position of middle point.

Standard Parallel South through R. 5 W. continued.

Chains.	
	By 1st set 80.05 chs.
	By 2nd set 79.95 chs.; the mean of which is
80.00	N. 83 E. 8 ft. from the tangent set a Pachyte 18 x 12 x 8 ins. 12 ins. in the ground, for re-established Standard sec. cor. to secs. 32 and 33.
	Marked S.C. on N. with 4 grooves on the E. and 2 grooves on the W. faces.
	Raised a mound of stone 2 ft. base, 1½ ft. high, N. of cor.
	Pits impracticable.
	A pine 24 ins. in diam. bears N. 69° 45' W. 1.48 chs. dist. marked T. 3 S., R. 5 W. S. 32. S.C. B.T.
	No other suitable trees within proper limits.
	After diligent search no trace of the old standard sec. cor. can be found.
	Land, mountainous
	Soil, stony 3rd rate.
	Timber, scattering aspen and pine.
	Dense undergrowth 2nd
	Mountainous land 80.00 chs.
	S. 89° 56' W. on the tangent S. of Sec. 32.
	Descending, through dense arbinesa and young growth of aspen.
7.30	Pachyte ledges 15 ft. high bear N. and S.
14.80	Ravine 150 ft. deep Course S.

6th Standard Parallel South, through R. 5 W. continued

Chains	
22.00	Spur projects S.
24.00	Leave aspen timber bears N. and S.
36.00	Spur Projects S. 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	N. 10.61 ft. from the tangent 800 ft. below sec. cor. Set a trachyte stone 15×10×6 ins. 10 ins. in the ground, for re-established Standard 1/4 sec. cor. Marked S.C. 1/4 S. 32 on N. face. raised a mound of stone 2 ft. base, 1 1/2 ft. high N. of Cor. Pits impracticable After dilligent search no trace of the old standard 1/4 sec. cor. can be found.
51.00	Enter heavy aspen and pine timber on top ridge, bears N.E. and S.W. Difference between measurements of 80.00 chs. by two sets of chainmen is 12 lks. position of middle point By 1st set 80.06 chs. By 2nd set 79.94 chs.; the mean of which is
80.00	N. 13.10 ft. from the tangent 1600 ft. below sec. cor. set a trachyte stone 12×10×6 ins. 8 ins. in the ground, for re-established Standard cor. of secs. 31 and 32. Marked S.C. on N. with 5 grooves on the E. and 1 groove on the W. faces

Standard Parallel South through R. 5 W. continued.

chains	
	From which an aspen 5 ins. in diam. bears N. 50° E. 6 lks. dist. marked T. 30 S., R. 5 W., S. 32 S.C. B.T. an aspen 5 ins. in diam. bears N. 75° W. 16 lks. dist. marked T. 30 S., R. 5 W. S. 31 S.C. B.T. after diligent search no trace of the old standard sec. Cor. can be found. Land, Mountainous. Soil, stony 3rd plate. Timber, aspen and pine. Mountainous land, 80.00 chs.
	S. 89° 56' W. on the tangent S. of sec. 31. Ascending over rolling land, through dense aspen and pine timber.
35.00	Dry ravine 100 ft deep. drains N. Leave timber; Enter dead and fallen timber.
	Difference between measurements of 40.00 chs. by two pets of chainmen is 8 lks.; position of middle point By 1st pet 40.04 chs. By 2nd pet 39.96 chs.; the mean of which is
40.00	N. 15.85 ft. from the tangent set a stadia tie 6 x 8 x 9 ins. 11 ins. in the ground, for reëstablished standard 1/4 sec. Cor. marked 1/4 S.C. S. 31 on N. face, raised a mound of stone, 2 ft. base, 1 1/2 ft. high N. of Cor.

6th Standard Parallel South, through R. 5 W. continued.

Chains	
	Pits impracticable
	After dilligent search no trace of the old standard 1/4 sec. cor. can be found
40.90	Leave dead timber bears N. and S.
44.00	Spur, of ridge bears N.W. and S.E. descend through aspen and pine timber.
47.50	Begin steep descent bears N. and S.
81.50	Spur, projects North.
	Difference between measurements of 88.30 chs. by two sets of chain men is 10 lks. position of middle point
	By 1st set 88.25 chs.
	By 2nd set 88.35 chs.; the mean of which is 88.30 chs & true distance to W. Bdy
88.43	N 19.54 ft. from the tangent at intersection of the W. bdy. of T.P. N. 1°09' W. 6.59 chs. dist. from the cor. of T. 30 S., R. 5 and 6 W. previously described.
	Set a trachyte stone 14 x 8 x 5 ins. 10 ins. in the ground, for Standard closing cor. of T. 30 S. R. 5 W.
	Marked C.C. with 6 grooves on the E. and S.C. with 6 grooves on the N. faces.
	From which a pine 10 ins. in diam. bears N. 50° E. 42 lks. dist.
	Marked T. 30 S. R. 5 W. C.C. S. 31 B.T.
	We destroy marks on old standard cor. relating to this township

Standard Parallel South through R. 5 W. concluded

Chains.	
	Land mountainous Soil, stony 3d rate. Timber aspen and pine. Mountainous land. 8843 chs. July 8th 1900
	For General discription see book of subdivisions. Hubert D Page. Harry Erwin U.S. Deputy Surveyor. There being no Notary public or other official authorized to ad- minister oaths, at the beginning or ending of this survey, In order to save time, and elpense, I administer the preliminary and final oaths myself. Hubert D. Page U.S. Deputy Surveyor

BLANK

PAGE

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by _____

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

_____

showing the respective capacities in which they acted:

_____, *Chainman.*

_____, *Chainman.*

_____, *Moundman.*

_____, *Moundman.*

_____, *Axman.*

_____, *Axman.*

_____, *Flagman.*

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted _____

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

_____

_____

_____ of the _____

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

_____, *Chainman.*

_____, *Chainman.*

_____, *Moundman.*

_____, *Moundman.*

_____, *Axman.*

_____, *Axman.*

_____, *Flagman.*

_____

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

_____

SEAL

_____

6—151

32-33
BLANK

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, Harry Erwin, United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from Jacob B. Blair, United States Surveyor General for Utah, bearing date of the 24th day of November, 1899, I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for Utah, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of Sixth Standard Parallel South, through Rs 4 and 5 W.

of the Salt Lake Base and meridian, in the State of Utah, 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 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.

Harry Erwin
United States Deputy Surveyor.

Subscribed by said Harry Erwin, and sworn to before me this 25th day of May 1901, 189

Edward [illegible]
U. S. Surveyor General for Utah

SEAL

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL.

, 189

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 the 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.

6--151

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by Hubert D. Page and Harry Erwin, United States Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the survey of the Sixth Standard Parallel South, through Rs. 4 & 5 W. of the Salt Lake base & meridian in the State of Utah.

showing the respective capacities in which they acted:

Harvey D. Heist, George N. Stevens, Chainman.
Lewis S. Miller and Wallace Isbell, Chainman.
Newark S. Dawson, Moundman.
Haven Burton, Moundman.
Newark S. Dawson, Axman.
Haven Burton, Axman.
Haven Burton, Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted Hubert D. Page and Harry Erwin, United States Deputy Surveyor, in surveying all those parts or portions of the Sixth Standard Parallel South, through Rs. 4 & 5 W.

of the Salt Lake base and meridian, in the State of Utah, 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 Utah.

Harvey D. Heist, George N. Stevens, Chainman.
Lewis S. Miller, Wallace Isbell, Chainman.
Newark S. Dawson, Moundman.
Haven Burton, Moundman.
Newark S. Dawson, Axman.
Haven Burton, Axman.
Haven Burton, Flagman.

Subscribed and sworn to before me this 20th day of August, 1900.

SEAL

Hubert D. Page,
U.S. Deputy Surveyor.

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FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, Hubert D. Page, United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from Jacob B. Blair United States Surveyor General for Utah, bearing date of the 24th day of November, 1899, I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for Utah, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of Sixth Standard Parallel South, through Rs. 4 W. 5 W.

of the Salt Lake base and meridian, in the State of Utah, 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 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.

Hubert D Page

United States Deputy Surveyor.

Subscribed by said Hubert D Page, and sworn to before me this 25th day of May 1901, ~~189~~

SEAL

Edward M Anderson
U. S. Surveyor General for Utah

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City Utah June 3 1902, 189

The foregoing field notes of the survey of the Sixth Standard Parallel South, Township 30 South, Ranges 4 & 5 West of the Salt Lake Base and Meridian, Utah

executed by Hubert D Page and Harry Ericson, under his contract No. 232, 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 M 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.

B.

BOOK A-287

FIELD NOTES

OF THE Re SURVEY OF THE

East boundary

of

Township no. 30 South

Range no. 6 West

Of the Salt Lake base and Meridian,

In the State of Utah.

AS SURVEYED BY

Hubert D Page and Harry Erwin, United States Deputy Surveyors

Under ~~his~~ their Contract No. 232, dated November 24th, 1899

Survey commenced July 6th, 1900

Survey completed " 8th, 1900

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Resurvey E. Bdry Lgt. M- Chs Cks- 5-38-19 ✓

NAMES AND DUTIES OF ASSISTANTS.

Harvey D. Fleish	Chairman
George N. Stevens	"
Lewis S. Miller	"
Wallace Isbell	"
Newark S. Dawson	Mound man
Haven Burton	"
Newark S. Dawson	Aid man
Haven Burton	"
Haven Burton	Flag man

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Volume
#
R0287

BOOK A-287

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Meanders Page.....

PRELIMINARY OATHS OF ASSISTANTS.

WE, Harvey D. Feist, George N. Stevens and Lewis S. Miller and Wallace Isbell 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 S. bdy. T. 27 S., R. 24 W., Eby. T. 28 and 29 S., R. 24 W., E. bdy. T. 30 S., R. 6 W., and E. bdy. Fort Cameron Wood Timber, T. 29 and 30 S., R. 5 W., of the Salt Lake base and meridian, in the State of Utah.

Harvey D. Feist, Chainman.

George N. Stevens, Chainman.

Lewis S. Miller, Chainman.

Wallace Isbell, Chainman.

Subscribed and sworn to before me this 5th day of July, 1900

SEAL

Hubert D. Page
U.S. Deputy Surveyor

WE, Newark S. Dawson and Haven Burton 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 S. bdy. T. 27 S., R. 24 W., Eby. T. 28 and 29 S., R. 24 W., E. bdy. T. 30 S., R. 6 W., E. bdy. Fort Cameron Wood Timber, T. 29 and 30 S., R. 5 W., of the Salt Lake base and meridian, in the State of Utah.

Newark S. Dawson, Moundman.

Haven Burton, Moundman.

Subscribed and sworn to before me this 5th day of July, 1900

SEAL

Hubert D. Page
U.S. Deputy Surveyor

WE, Newark S. Dawson and Haven Burton 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 S. bdy. T. 27 S., R. 24 W., Eby. T. 28 and 29 S., R. 24 W., E. bdy. T. 30 S., R. 6 W., E. bdy. Fort Cameron Wood Timber, T. 29 and 30 S., R. 5 W., of the Salt Lake base and meridian, in the State of Utah.

Newark S. Dawson, Axman.

Haven Burton, Axman.

Subscribed and sworn to before me this 5th day of July, 1900

SEAL

Hubert D. Page
U.S. Deputy Surveyor

I, Haven Burton, 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 the S. bdy. T. 27 S., R. 24 W., Eby. T. 28 and 29 S., R. 24 W., E. bdy. T. 30 S., R. 6 W., E. bdy. Fort Cameron Wood Timber, T. 29 and 30 S., R. 5 W., of the Salt Lake base and meridian, in the State of Utah.

Haven Burton, Flagman.

Subscribed and sworn to before me this 5th day of July, 1900.

SEAL

Hubert D. Page
U.S. Deputy Surveyor

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Resurvey of the E. bdy. of T. 30 S. R. 6 W.

Chains

Survey Commenced, July 6. 1900.
and executed with the
instrument described in
Book A
of this survey.
We know from recent
observations made
July 5 and 6. 1900.
and recorded in
Book A
of this survey,
the instrument to be in
adjustment.
Preliminary to beginning the
subdivisions of T. 30 S. R. 5 W.
we retrace the East bdy. T. 30 S. R. 6 W.
At the standard Cor. of
T. 30 S. R. 6 W., the S. E. Cor. of
sec. 36.
heretofore described
July 6, 1900.
At 10 A. M. l. m. t. we set off
38° 10' N. on the lat. arc: 22° 43' N.
on the decl. arc: and determine
a true meridian with the
Solar.
Thence we run
North, on a blank line, along
the E bdy. of T. 30 S. R. 6 W.
and the E. bdy. of sec. 36.
At 40.00 chs. after search, no
trace of old ¼ sec. cor. can be
found, and at 80.00 chs. after
diligent search, old sec. cor.
cannot be found: therefore
we continue our line north,
and find no part of the E.
bdy. until at 5 miles, 38.10 chs.
intersect E. & W. line, 8.79 chs. E. of the
Closing cor. for T. 30 S., R. 5 W.

Resurvey of the E. bdy. of T. 30 S. R. 6 W. Continued

Chains

on the South bdy. of the Fort Cameron Wood and Timber Reservation. which is a granite stone 5×12×10 ins. above the ground, firmly set. marked as described by the Surveyor General.

The course of this line, is therefore N. 1° 09' W. and the dist. 438.19 Chs.

As the Corners on the E. bdy. are missing and the township west has been subdivided, we reëstablish the missing Corners on the E. bdy of T. 30 S., R. 6 W. at proportionate distances.

July 6: 1900.

July 7: At the Standard Cor. of T. 30 S., R. 6 W., the S. E. cor. of sec. 36, heretofore described. At 8 A. M., l. m. t., we set off 38° 10' N. on the lat. arc 22° 37' N. on the decl. arc: and determine a true meridian, with the solar. Thence we run N 1° 09' W., along the E. bdy. of T. 30 S., R. 6 W. and sec. 36.

Descend, through heavy aspen timber, over rolling land.

6.59 Point of intersection of The 6th Standard Parallel South, South bdy. of T. 30 S. R. 5 W, with the E. bdy. of T. 20 S., R. 6 W. heretofore described.

Enter scattering pine timber.

39.348 Set a trachyte stone, 12×10×8 ins.

Chains	
	8 ins. in the ground for re-established ¼ sec. cor. for sec. 36. T. 30 S. R. 6 W. marked ¼ S. 36. on W. face: from which A pine, 3 ins. diam., bears W. 20 lks. dist. marked ¼ S. 36. B. T. No other bearing trees within limits. And raised a mound of stone, 2 ft. base, 1½ ft. high W. of cor. Pits impracticable. All indications of the old Cor. have disappeared.
64.09	Top of Spur, projects N. W.
78.696	Set a Stachyte stone 12 x 9 x 5 ins. 8 ins. ins. in the ground, for re-established Cor. of secs. 25 and 36, T. 30 S., R. 6 W. marked with 1 notch on the S. and 5 notches on the N. edges: from which An aspen, 3 ins. diam., bears S 45° W. 20 lks. dist. marked T. 30 S., R. 6 W. S. 36. B. T. An aspen, 3 ins. diam., bears N. 39° W., 12 lks. dist., marked T. 30 S., R. 6 W., S. 25 B. T. After diligent search, no signs of the old Cor. can be found. Land, rolling. Soil, stony 3rd Rate. Timber, aspen and pine. Heavily timbered, 78.696 chs.
	N. 1° 09' W. along the E. bdy. of T. 30 S., R. 6 W. and sec. 25.
	Descend. through heavy aspen timber.
5.90	South fork of South Creek, (cross

Chains	
	dry) and Canon 600 ft. deep. Course west, ascend.
10.90	Top of Spur, projects W. descend. Leave timber, bears E. and W., enter dense arizonica and mahogany.
18.15	Middle fork of South Creek, 3 lks. wide, pure water, 4 ins. deep, Course W.
18.65	North fork of South Creek. 5 lks. wide, pure water, 6 ins. deep, Course S. W.
	The junction of the middle and North forks of South Creek, is 3.00 chs. west, in a Canon, 600 ft. deep. Course W. Ascend
21.60	Old drag road, bears E. and W.
39.348	Set a trachyte stone, 15 x 10 x 5 ins. 10 ins. in the ground for sec. 25, witness established ¼ sec. cor. marked ¼ S. 25, on W. face: and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of Cor. Pits impracticable. After diligent search, no trace of old ¼ sec. cor. can be found.
48.40	Top of ridge, bears E and W. descend.
71.40	Bottom of ravine, 50 ft. deep, Course W. ascend.
78.696	Set a trachyte stone, 18 x 16 x 10 ins. 12 ins. in the ground for witness established Cor. of Secs. 24 and 25, T. 30 S., R. 6 W. marked with 2 notches on S., and 4 notches on W. edges: and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of Cor. Pits impracticable. ...d mountainous.

Resurvey of the E. bdy. of T. 30 S., R. 6 W. Continued

Chains	
	Soil, Stony. 3rd Rate Timber, aspen. Mountainous land 78.696 chs. July 7: At this Cor. we set off 22° 35' N. on the decl. arc: and at 0h. 04½m p. m., l. m. t. observe the sun on the meridian, the resulting lat. is 38° 11' N.
	N. 1° 09' W. along the E. bdy. of T. 30 S., R. 6 W. and sec. 24. Over rolling land, ascend through dense artimesa and mahogany.
29.60	Top of mountain ridge, bears E. and W.
30.20	Enter heavy aspen and pine timber, bears E. and W.
39.348	Set a trachyte stone, 15x10x6 ins. 10 ins. in the ground for reëstablished ¼ sec. cor. for sec. 24, T. 30 S., R. 6 W. marked ¼ S. 24, on W. face: and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor. Pits impracticable. No trace can be found of old ¼ sec. cor.
64.20	Bottom of ravine, 250 ft. deep, Course W. ascend. Leave timber bears E. and W. Enter dense artimesa and mahogany.
70.70	Top of ridge, bears N. E. and S. W. Descend.
78.696	Set a trachyte stone 15x10x6 ins. 10 ins. in the ground, for reëstablished Cor. of secs. 13 and 24, T. 30 S., R. 6 W. marked with

Chains	
	3 notches on N. and 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, aspen and pine. Mountainous land 78.696 chs.
	N. 1° 09' W. along the E. bdy. of T. 30 S. R. 6 W., and sec. 13.
	Descend, through dense oak, and mahogany.
6.50	Twist Creek, 3 lks. wide, pure water, 6 ins. deep, and Cañon 600 ft. deep, course S. W. Begin steep ascent over rocky soil.
32.51	Top of ridge, bears N. E and S. W.
	Descend.
35.50	Enter heavy aspen timber, bears N. E. and S. W.
39.348	Set a trachyte stone 14 x 12 x 4 ins. 10 ins. in the ground, for W. est. established ¼ sec. Cor. for sec. 13, marked ¼ S 13. on W. face: from which An aspen, 3 ins. diam., bears W. 12 lks. dist. marked ¼ S. 13. B. T. After diligent search no trace of old ¼ sec. Cor. Can be found.
78.696	Set a trachyte stone, 16 x 10 x 8 ins. 11 ins. in the ground, for W. est. established Cor. of secs. 12 and 13. T. 30 S., R. 6 W. marked with 4 notches on S. and 2 notches

Resurvey of the W. bdy. of T. 30 S. R. 6 W. Continued

Chains	
	on N. edges: from which Cor aspen, 4 ins. diam., bears S. 33° W. 17 lks. dist., marked T. 30 S., R. 6 W., S. 13. B. T. Cor aspen, 3 ins. diam., bears N. 42° W. 34 lks. dist., marked T. 30 S., R. 6 W. S. 12. B. T. After diligent search no trace of old sec. cor. can be found. Land mountainous Soil stony 3rd Rate. Timber aspen and pine. Mountainous land 78.696 chs. July 7. 1900
	July 8: At 8 A. M., l. m. t., we set off 38° 13' W. on the lat. arc: 22° 30' W. on the dec. arc: and determine a true meridian with the solar, at the Cor. of secs. 12 and 13. on the E. bdy. of T. 30 S., R. 6 W. Thence we run N. 1° 09' W. along the E. bdy. of T. 30 S., R. 6 W. and sec. 12. Over broken land, descend through heavy aspen and scattering pine timber.
26.30	South fork of Birch Creek, 4 lks. wide, pure water, 6 ins. deep and Cañon 500 ft. deep, Course N. W. ascend. Cedar timber, bears N. W. and S. E. enter dense oak and mahogany.
39.348	Set a trachyte stone, 15 x 10 x 9 ins., 10 ins. in the ground, for reestablished ¼ sec. cor. for sec. 12, T. 30 S., R. 6 W. marked ¼ S. 12, on W. face: and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor. Pits impracticable.

Resurvey of the E. bdy. of T. 30 S., R. 6 W. Continued

Chains	
	After diligent search no trace of old ¼ sec cor. can be found.
55.30	Top of ridge, bears E. and W.
	Enter heavy pine timber, bears E. and W. Descend.
78.696	Set a trachyte stone, 18 x 10 x 8 ins. 12 ins. in the ground, for reëstablished cor. of secs. 1 and 12, T. 30 S. R. 6 W. marked with 5 notches on the S. and 1 notch on W. edges.
	from which
	A pine, 10 ins diam., bears S. 12° W. 33 lks. dist marked T. 30 S., R. 6 W. S. 12. B. T.
	A pine, 12 ins. diam. bears N. 40° W. 8 lks. dist. marked T. 30 S., R. 6 W., S. 1, B. T.
	After diligent search no trace of old Corner Can be found.
	Land mountainous.
	Soil, stony 3rd Rate.
	Timber, aspen and pine.
	Mountainous land, 78.696 chs.

	N. 1° 09' W. along the E. bdy. of T. 30 S., R. 6 W. and Sec. 1.
	Descend, through heavy pine timber.
1.50	South fork of Birch Creek, 8 lks. wide, pure water, 6 ins. deep, and Canon, 800 ft. deep. Course W. W. Ascend.
	Leave timber, bears E. and W. enter dense oak and mahogany.
27.10	Top of ridge, bears S. W. and NE. Descend.
39.50	Set a trachyte stone, 15 x 12 x 12 ins.

Resurvey of the W. bdy. of T. 30 S., R. 6 W. continued

Chains	
	10 ins. in the ground for reëstablished ¼ sec. cor., for sec. 1, T. 30 S., R. 6 W. scribed ¼ S. 1, on W. face: and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor. Pits impracticable.
44.71	Intersect S. bdy. of The Fort Cameron Wood and Timber Reservation, at the closing Cor. for T. 30 S., R. 5 W.
	Heretofore described.
	Land rolling
	Soil stony 3rd Rate.
	Timber, aspen.
	Dense undergrowth 44.71 chs.
	July 8. 1900

For General Description see book of subdivisions of T. 30 S., R. 5 W.

Hubert D Page,
Harry Erwin.
U.S. Deputy Surveyors.

For notes of acceptance of Fort Cameron Wood & Timber Reservation see book C.

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PAGE

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

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

....., 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 .....

.....

.....

..... W. 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

.....

6—151

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 No. 8 of 285 R4

.....

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 June 3 1902, 189

The foregoing field notes of the survey of the East Boundary of Township 30 South Range 6 West of the Salt Lake Base and Meridian Utah

executed by Herbert D Page and Harry Erwin under ~~his~~ their contract No. 232, dated November 24, 1899, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the resurveys 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

6--151

X
4—679.

C.

BOOK A-287

53

FIELD NOTES

OF THE re SURVEY OF THE

Subdivision
of
Township No. 30 South
Range No. 4 West

Of the Salt Lake base and Meridian,
In the state of Utah

AS SURVEYED BY

Hubert D. Page and Harry Erwin, United States Deputy Surveyors

Under ~~his~~ their Contract No. 232, dated November 24th, 1899

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

Survey completed " 10th, ~~189~~ 1900

6—151

Resurvey high Lines 8.06.48 1

Retracement E. Bdry 1-00-00 low

NAMES AND DUTIES OF ASSISTANTS.

Harvey D. Heist	Chainman
George N. Stevens	"
Louis S. Miller	"
Wallace Isbell	"
Newark S. Dawson	Mountman
Haven Burton	"
Newark S. Dawson	Ax man
Haven Burton	"
Haven Burton	Flagman

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BOOK A-287

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, Harvey D. Feist, George N. Stevens, Louis S. Miller and Wallace S. Bell 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 the subdivisions of T. 30 S., R. 4 W., of the Salt Lake base and meridian, in the State of Utah.

Harvey D. Feist — George N. Stevens, Chainman.

Lewis S. Miller — Wallace S. Bell, Chainman.

Subscribed and sworn to before me this 5th day of July, 1900.

SEAL

Hubert D. Page
U.S. Deputy Surveyor

WE, Newark S. Dawson and Haven Burton 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 the subdivisions of T. 30 S., R. 4 W., of the Salt Lake base and meridian in the State of Utah.

Newark S. Dawson, Moundman.

Haven Burton, Moundman.

Subscribed and sworn to before me this 5th day of July, 1900.

SEAL

Hubert D. Page
U.S. Deputy Surveyor

WE, Newark S. Dawson and Haven Burton 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 the subdivisions of T. 30 S., R. 4 W., of the Salt Lake base and meridian in the State of Utah.

Newark S. Dawson, Axman

Haven Burton, Axman

Subscribed and sworn to before me this 5th day of July, 1900.

SEAL

Hubert D. Page
U.S. Deputy Surveyor

I, Haven Burton, 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 the subdivisions of T. 30 S., R. 4 W., of the Salt Lake base and meridian in the State of Utah.

Haven Burton, Flagman

Subscribed and sworn to before me this 5th day of July, 1900.

SEAL

Hubert D. Page
U.S. Deputy Surveyor

6—151

Resurvey of Subdivision of T. 30 S., R. 4 W.

Chains.	
	Survey Commenced July 8th 1900. and executed with a W. & L. E. Gurley light Mountain transit No with solar attachment, the horizontal limb is provided with two double Vernier placed opposite to each other, reading to single minutes of arc. which is also the least count of the vernier of the latitude and declination arcs.
	The instrument was examined, tested on the true meridian at Salt Lake City, found correct, and was approved by the surveyor General for Utah June 16th 1900
	We examine the adjustments of the transit, and find them correct; then, to test the solar apparatus by Comparing its indications, resulting from solar observations made during a. m. and p. m. hrs. with a true meridian determined by observation on Polaris. We proceed as follows:
	July 8th 1900 At the Standard Cor. of secs. 33 and 34 on the S. bdy. of T. 30 S., R. 4 W. Lat. 38° 09' 30" N. Long 112° 20' 18" W. Already described In book A. of this survey.

Resurvey of Subdivision of T. 30 S., R. 4 W., continued.

Chains	
	At 5 p. m., l. m. t., We set off 38' 16" N. on lat. arc, 22° 28' W on decl. arc; and determine, with the solar a true meridian; and mark a point thereof on a Stone set firmly in the ground, 5 chs. N. of the Cor.
	July 9th At 6h 20m a. m. l. m. t., We 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 chs. N. of our station. At 7 a. m., l. m. t. We lay off the Azimuth of Polaris 1° 33.5' to the West and mark the true Meridian thus determined, by Cutting a small groove in the stone set July 8th. On which the true meridian falls 0.3 ins. west of the mark determined by the solar. At 7h 10m a. m., l. m. t. We set off 38° 16' N. on lat. arc; 22° 24' W. on decl. arc; and mark a point in the true meridian determined with the solar, by a cross on the Stone already set 5 chs. N. of our station, this mark falls 0.3 ins. West of the true Meridian established by the Polaris observation The solar apparatus by which all the observations

Resurvey of the subdivision of T. 30 S., R. 4 W. continued

Chains:

defines positions for true meridians respectively about 16" east and 18" West of the true meridian established by Polaris observation; therefore we conclude the adjustment of the instrument are satisfactory.

The magnetic bearing of the true meridian at 7h.30.m. is N. 15°00' W. the angle thus determined reduced by the table page 100, gives the mean mag. decl. 14°55' E.

Preliminary to commencing the subdivisions of this township, we run North on a blank line. bet secs. 33 and 34.

at 40.00 chs. after dilligent search no trace of old 1/4 sec. cor. can be found. 80.00 chs. after dilligent search no trace of the old sec. cor. can be found.

120.00 chs. no trace of old 1/4 sec cor. can be found.

and at 161.32 chs. we find the cor. of secs. 21, 22, 27 and 28, which is a trachyte stone 10 x 8 x 4 ins, above ground marked as described the surveyor general.

West 1.40 chs.

The course of this line is therefore N. 0°30' W.

We continue our retracement from this cor.

North bet. secs. 21 and 22.

at 40.00 chs. no trace of old 1/4 sec. cor. can be found.

Chains.

at 80.00 chs after dilligent search no trace of the old sec. cor. can be found.
120.00 chs. after dilligent search no trace of old 1/4 sec. cor. can be found.
161.38 chs. We find the old cor. of secs. 9, 10, 15 and 16.
which is a trachyte 10 x 10 x 13 ins. in a mound of rock, marked as described by the Surveyor General, the bearing trees have been destroyed.
West. 1.46 chs. dist.
The course of this line is. therefore N 63° W.

From this cor. We continue our retracement East bet. secs. 10 and 15.
40.00 chs. after dilligent search no trace of old 1/4 sec. cor. can be found. and at 82.10 chs. We find the cor. of secs. 10, 11, 14 and 15.
which is a trachyte 8 x 8 x 3 ins. set in a mound of stone and marked as described by the Surveyor general.
North 3 chs.
The course of this line is therefore N. 89° 37' E.

From this cor. We continue our retracement North bet. secs. 10 and 11.
40.00 chs. after dilligent search no trace of old 1/4 sec. cor. can be found.
80.58 chs. We find the old cor. of secs. 2, 3, 10 and 11, which is a large

Resurvey of the Subdivision of T. 30 S., R. 4 W. continued.

Chains

20 x 12 x 10 ins. in a mound of stone marked as described by the Surveyor General.
W. 70 lbs.
The course of this line is therefore N. 0° 30' W.

From this cor. We continue our retracement East bet. secs. 2 and 11.
40.00 chs. after diligent search no trace of old 1/4 sec. cor. can be found.
81.30 chs. We find mound of stone, which We conclude is in the position where corner has been set.
North 7 lbs.
The course of this line is therefore N. 89° 30' E.

From this cor. We continue our retracement East. bet. secs. 1 and 12.
40.00 chs. after diligent search no trace of old 1/4 sec. cor. can be found.
79.80 chs. We find the old cor. of secs. 1, 6, 7 and 12, which is a lava rock 16 x 8 x 4 ins. in a mound of stone, marked as described by the Surveyor General.
South 95 lbs. dist.
The course of this line is therefore S. 89° 19' E.

From this cor. We continue our retracement North.

on the East bdy. of the Tp.
Sec. secs. 1, 2nd 6.
At 39.96 chs. We find the 1/4 sec.
Cor. which is a lava 24 x 15 x 13 ins.
set in a mound of stone and
marked and witnessed as
described by the Surveyor
General.
West 36 lks. dist.
The course of this line is
therefore. N. 0° 30' W.
and at 80.00 chs. We find the
Cor. of Ts 29 & 30 S, Rs 3 & 4 W.
which is a lava 16 x 10 x 8 ins. in
a mound of stone. marked
as described by the Surveyor
General. The old bearing trees
are destroyed.
West 70 lks.
The course of this line is therefore
N. 0° 30' W.
We mark the only available
bearing trees
A. pinion 14 ins. in diam. bears
S. 48° 30' W. 6 lks. dist. Marked T. 30 S.
R. 4 W. S. 1 B.T.

As many of the corners
representing the subdivisions of
this township and the East
side of our work. are
missing and are beyond the
allowable limits.

We resurvey the lines.
as follows;
July 10th 1900.
At the Cor. of secs. 1, 6, 7 & 12
on the E. bdy. of T. 30 S, R. 4 W.

Resurvey of the Subdivisions of T. 30 S., R. 4 W. Continued.

Chains	
	At 10 h 9 m. a.m. l.m.t. We set off 38°14' N. on lat. arc. 22°15' N on decl. arc. and determine a true meridian with the solar. Thence We run N. 89°19' W. bet. secs. 1 and 12. Ascending East side of ridge through dense artimesa.
13.30	Ridge, bears N. and S. descend.
22.00	Trachyte ledges 40 ft high, bear N. and S.
39.90	Set a lava stone 16 x 10 x 5 ins. 11 in earth and mound of stone, for reëstablished 1/4 sec. cor. Marked 1/4 S. 1 on N. 12 on S. faces. raised a mound of stone 2 ft. base, 1 1/2 ft high N. of cor. Pits impracticable. No old cor. can be found.
62.00	Ravine 400 ft below sec. cor. drains S.E.
78.00	Ravine 60 ft. deep. drains S.E.
79.80	The cor. of secs 1, 2, 11 and 12 We reëstablish cor. Set a boulder 24 x 18 x 18 ins. 18 ins. in earth mound of stone. for reëstablished cor. of secs 1, 2, 11 and 12. marked with 5 notches on the S. and 1 notches on the E. edges. raised a mound of stone 2 ft. base, 1 1/2 ft high N. of cor. Pits impracticable. Land, mountainous Soil, stony 4th rate. No timber Mountainous and dense undergrowth 79.80 chs.

Resurvey of Subdivision of T. 30 S. R. 4 W. continu.

Chains	
	S. 89°30' W.
	bet. secs. 2 and 11.
	Ascending, through dense artimesa
7.50	Spur, projects S.E.
30.00	Ravine 500 ft. deep.
	Course S.E.
40.65	Set a lava stone 15×10×4 ins 10 ins in the ground, for reëstablished 1/4 sec. cor. marked 1/4 S. 11 on S. face. raised a mound of stone 2 ft. base, 1 1/2 ft high N of Cor.
	Pits impracticable
	No old 1/4 sec. cor. can be found.
56.00	Spur, projects N.W
	descend.
81.30	The cor. of secs 2, 3, 10, and 11 previously described.
	We rebuild mound of stone 2 ft base, 1 1/2 ft. high S.E. of Cor. for N.W. cor. of sec. 11. only.
	Pits impracticable.
	Land, mountainous.
	Soil, stony 4th rate.
	No timber
	Mountainous land and
	Dense undergrowth 81.30 chs.
	S. 0°30' E.
	bet. secs. 10 and 11.
	Descending, through dense artimesa
18.50	Dry gulch, 400 ft below Cor. 20 ft deep. drains S.E.
19.85	Wagon road,
	bears S.E. and N.W.
40.29	Set a lava rock 15×12×5 ins, 10 ins. in the ground, for reëstablished

Resurvey of Subdivision of T. 30 S., R. 4 W., continued.

Chains	
	1/4 sec. cor. marked 1/4 S. 10 on W. 11 on E. faces, raised a mound of stone 2 ft. base, 1 1/2 ft. high W. of Cor.
	Pits impracticable
	No trace of old 1/4 sec. cor. can be found.
41.00	Enter dry run. from N.W.
43.00	Leave dry run. drains S.E.
46.00	Wagon road, bears N.W. and S.E.
80.58	The cor. of secs. 10, 11, 14 and 15. previously described raise a mound of stone 2 ft. base, 1 1/2 ft. high W. of Cor.
	Pits impracticable.
	Land, rolling
	Soil Stony. 3rd and 4th rate.
	No timber
	Dense undergrowth
	80.58 chs.
	July 10th
	At this cor. We set off 22°15' N on decl. arc; and at 0h.5m. l.m.t. observe the sun on the meridian the resulting lat. is 38°13'
	S. 89°59' W.
	bet. secs. 10 and 15
	Ascending, through dense artimesa.
41.05	set a lava stone 17 x 8 x 5 ins. 11 ins. in the ground for reëstablished 1/4 sec. cor. marked 1/4 S. 10 on N. 15 on S. faces raise a mound of stone 2 ft. base, 1 1/2 ft. high N. of Cor.
	Pits impracticable
	After dilligent search no trace of old 1/4 sec. cor can be found.

Resurvey of Subdivision of T. 30 S., R. 4 W. continued

Chains	
82.10	The cor. of secs. 9, 10, 15 and 16 previously described. raise a mound of stone 2 ft. base, 1½ ft. high S.E. of cor. for N.W. cor. of sec. 15 only. Pits impracticable. Land, rolling Soil, stony 4th rate. No timber Dense undergrowth, 82.10 chs.
	S. 0° 31' E. bet. secs. 15 and 16 Descending, along the foot of the mountain, through dense artimisia
23.00	Cotton wood, Cañon Sey. drains E.
40.00	Wood road bears E. and W.
40.34½	Set a trachyte stone 15 x 8 x 5 ins. 10 ins. in the ground, for reëstablished ¼ sec. cor. marked ¼ S. 15 on E. faces. raised a mound of stone 2 ft. base, 1½ ft. high E. of cor. Pits impracticable. No trace of old cor. can be found.
48.50	Dry run 10 ft. deep. drains E.
80.69	Set a trachyte stone 18 x 14 x 8 ins. 12 ins in earth and stone, for reëstablished cor. of secs. 15, 22 and 27. Marked T. 30 S. S. 15 on N.E. R. 4 W. S. 22 on S.E. with 3 notches on the S and E. edges. raised a mound of stone 2 ft. base, 1½ ft. high E. of cor. Pits impracticable. After dilligent search No old sec cor can be found.

Resurvey of subdivision of T. 30 S., R. 4 W. continued.

Chains.	
	Land, foot hills. Soil, Stony 4th rate. No timber Dense undergrowth 80.69 chs.
	S. 0° 31' E. Bet. secs. 21 and 22. Over rolling foot hills, through dense chaparral.
6.70	Dry run drains E.
40.34½	set a trachyte 5 x 10 x 5 ins. 10 ins. in the ground for reëstablished ¼ sec. Cor. marked, ¼ S. 22 on E face, raise a mound of stone 2 ft. base, 1½ ft. high E. of Cor. Pits impracticable No trace of old ¼ sec. Cor can be found.
41.00	Dry run, drains E.
80.30	Dry run drains E.
80.69	The Cor. of secs. 21, 22, 27 and 28. previously described, and raised the mound of stone 2 ft. base, 1½ ft. high, E. of Cor. Pits impracticable. Land, hilly Soil, stony 4th rate. No timber Dense undergrowth. 80.69 chs.
	S. 0° 30' E. Bet. secs. 27 and 28. Over rolling land, through dense chaparral,
3.50	Wash 20 ft. wide 6 ft. deep. drains E.

Resurvey of Subdivision of T. 30 S., R. 11 W. concluded

Chains	
40.33	Set a trachyte stone 15 x 14 x 6 ins., 10 ins. in the ground, for re-established 1/4 sec. cor. marked 1/4 S on E. face, raised a mound of stone 2 ft. base, 1½ ft. high, E. of Cor. Pits impracticable. No trace of old 1/4 sec. cor. can be found.
41.50	Wash, 20 ft wide, 3 ft deep, drains S. E. ascend
80.66	Set a trachyte stone 16 x 12 x 5 ins. 11 ins. in the ground, for re-established Cor. of secs. 27, 28, 33, 34. marked with 3 notches on the E. and 1 notch on the S. raised a mound of stone 2 ft. base, 1½ ft. high E. of Cor. Pits impracticable. After diligent search no trace of the old sec. cor. can be found.
	Land, rolling.
	Soil, stony — 4th rate.
	No timber
	Dense undergrowth — 80.66 chs.

S. 0° 30' E.

Set secs. 33, 28, 34.

Ascending, through dense timber.

0.70	Spur of mountain ridge, projects E.
30.00	Birch Creek, dry, course S. E.
34.00	Wagon road, Circleville to Bravo, bears N. 75° W.
38.00	Top of ridge, bears N. 75° W. and S. E.
40.33	Set a trachyte stone 15 x 12 x 5 ins. 10 ins. in the ground, for re-established 1/4 sec. cor. marked 1/4 on E. face, raised a mound of stone 2 ft. base, 1½ ft. high E. of Cor. Pits impracticable. No trace of old 1/4 sec. cor. can be found.
75.50	Dry run, 10 ft deep, 10 ft wide drains S. E.
76.00	Spur, projects E.
80.66	The standard Cor. of secs. 33 and 34 previously described.
	Land, rolling foot hills.
	Soil, stony — 4th rate.
	No timber
	Dense undergrowth — 80.66 chs.

July 10th 1900.

Resurvey of subdivisions of T. 30 S. R. 47 E.

For general discription see subdivisions of this township.

Hubert D. Page
Harry Erwin
U.S. Deputy Surveyors.

There being no notary public or other officer authorized to administer oath within reasonable distance at the beginning or ending of the survey, in order to save time and expense I administer the preliminary and final oaths myself

Hubert D. Page
U.S. Deputy Surveyor

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PAGE

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

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

. . . . . *Chainman.*

. . . . . *Chainman.*

. . . . . *Moundman.*

. . . . . *Moundman.*

. . . . . *Axman.*

. . . . . *Axman.*

. . . . . *Flagman.*

FINAL OATH OF ASSISTANTS.

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

. . . . . *Chainman.*

. . . . . *Chainman.*

. . . . . *Moundman.*

. . . . . *Moundman.*

. . . . . *Axman.*

. . . . . *Axman.*

. . . . . *Flagman.*

. . . . . .

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

SEAL

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

Harry Erwin United States Deputy Surveyor, d
solemnly swear that, in pursuance of a contract received from Jacob B Blair
United States Surveyor General for Utah bearing date of th
24th day of November 1897, 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 Utah, the Manual of Surveying Instructions, and the laws of th
United States, surveyed all those parts or portions of Subdivision of § 30 S.
R 11 E.

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

Harry Erwin
United States Deputy Survey

Subscribed by said Harry Erwin, and sworn to before me
this 25 day of May 1901, 189

Edward H Anderson
U.S. Surveyor General for Utah

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL.

, 189

The foregoing field notes of the survey of

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

United States Surveyor Gener

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

United States Surveyor Gener

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by Hubert D. Page and Harry Erwin, 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 Subdivision of T. 30 S. R. 4 W. of the Salt Lake base and Meridian in the state of Utah. showing the respective capacities in which they acted:

Harvey D. Feist — Chainman.
George N. Stevens — Chainman.
Louis S. Miller — Chainman.
Wallace Isbell — Chainman.
Newark S. Dawson — Moundman.
Haven Burton — Moundman.
Newark S. Dawson — Axman.
Haven Burton — Axman.
Haven Burton — Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted Hubert D. Page and Harry Erwin, United States Deputy Surveyor, in surveying all those parts or portions of the Subdivision of T. 30 S. R. 4 W. of the Salt Lake Base and meridian, in the State of Utah, 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 Utah.

Harvey D. Feist — Chainman.
George N. Stevens — Chainman.
Louis S. Miller — Chainman.
Wallace Isbell — Chainman.
Newark S. Dawson — Moundman.
Haven Burton — Moundman.
Newark S. Dawson — Axman.
Haven Burton — Axman.
Haven Burton — Flagman.

Subscribed and sworn to before me this 20th day of August, 1900

SEAL

Hubert D. Page
U.S. Deputy Surveyor.

6—151

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, Hubert D. Page, 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 20th 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 Surve General for Utah, the Manual of Surveying Instructions, and the laws of United States, surveyed all those parts or portions of the subdivision of T. 30 R. 4 W.

of the Salt Lake base and meridian, in the State of Utah, 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 the Manual of Surveying Instructions, and the special written instructions of the United States Surve General for Utah 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.

Hubert D. Page
United States Deputy Surve

Subscribed by said Hubert D. Page, and sworn to before me this 25th day of May 1901, 189

Edward H. Anderson
U. S. Surveyor General for Utah

SEAL

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah June 3 1902, 19

The foregoing field notes of the survey of the subdivision lines of Township 30 South Range 4 West of the Salt Lake Base and Meridian, Utah,

executed by Hubert D. Page and Harry Evans under his contract No. 232, 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 Ge

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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4—679.

D.

BOOK A-287

FIELD NOTES

OF THE SURVEY OF THE

North and West Boundaries of Township No. 30 South Range No. 4 West

Of the Salt Lake base and Meridian,

In the state of Utah

AS SURVEYED BY

Hubert D Page and Harry Erwin, United States Deputy Surveyors

Under ~~his~~ their Contract No. 732, dated November 24th, 1899

Survey commenced July 9th, 1900

Survey completed " 11th, 1900

6—151

N. Bdry — high 6-03-10 ✓

N — " " 5-78-68 ✓

12.01.78 ✓

NAMES AND DUTIES OF ASSISTANTS.

Harvey Orbist	Chairman
George N. Stevens	"
Louis A Miller	"
Wallace Isbell	"
Newark S. Dawson	Foreman
Haven Burton	"
Newark S. Dawson	Oilman
Haven Burton	"
Haven Burton	Flagman

BOOK A-287

INDEX DIAGRAM.

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Meanders Page.....

PRELIMINARY OATHS OF ASSISTANTS.

WE, Harvey D. Feist, George N. Stevens and Louis S. Miller 2nd Wallace Isbell 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 the W. bdy. of T. 28 S., R. 4 W., N. bdy. T. 29 S., R. 4 W., 6th P.M., to the E. bdy. T. 29 S., R. 5 W., of the Salt Lake base and meridian, State of Utah.

Harvey D. Feist, Chainman.

Louis S. Miller, Chainman.

Subscribed and sworn to before me this 5th day of July, 1900

Hubert D. Page, U.S. Deputy Surveyor

SEAL

WE, Newark S. Dawson and Haven Burton 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 the W. bdy. of T. 28 S., R. 4 W., N. bdy. T. 29 S., R. 4 W., 6th P.M., to the E. bdy. T. 29 S., R. 5 W., of the Salt Lake base and meridian, State of Utah.

Newark S. Dawson, Moundman.

Haven Burton, Moundman.

Subscribed and sworn to before me this 5th day of July, 1900

Hubert D. Page, U.S. Deputy Surveyor

SEAL

WE, Newark S. Dawson and Haven Burton 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 the W. bdy. of T. 28 S., R. 4 W., N. bdy. T. 29 S., R. 4 W., 6th P.M., to the E. bdy. T. 29 S., R. 5 W., of the Salt Lake base and meridian, State of Utah.

Newark S. Dawson, Axman.

Haven Burton, Axman.

Subscribed and sworn to before me this 5th day of July, 1900

Hubert D. Page, U.S. Deputy Surveyor

SEAL

I, Haven Burton, 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 the W. bdy. of T. 28 S., R. 4 W., N. bdy. T. 29 S., R. 4 W., 6th P.M., to the E. bdy. T. 29 S., R. 5 W., of the Salt Lake base and meridian, State of Utah.

Haven Burton, Flagman.

Subscribed and sworn to before me this 5th day of July, 1900

Hubert D. Page, U.S. Deputy Surveyor

SEAL

6-121

West boundary of T. 30 S. R. 4 W.

Survey Commenced July 9th 1900.
And executed with the instrument described in Book A of this survey.
Know from recent observation made July 5th and 6th on the South bdy. of this township and recorded in Book A of this survey.
the instrument to be in adjustment.

July 9th 1900.
At the standard cor. of T. 30 S, R 4 and 5 W. in Lat. 38°09'30" N. Long 112°23'36" W.

Established by us,
July 7th 1900. At 7 a.m. L.M.t.
We set off 38°10' N. on Lat. arc. 22°24' W. on decl. arc. and determine a true meridian with the polar.

Thence We run
North along the West bdy of the T.
Obst. Secs. 31 and 36.
Ascending, through dense artimesa, scattering cedar and pinion, along the East slope of the Pushad Mountains.

14.00 Ridge,
beds E. and W.

33.00 Bottom of ravine, 100 ft. deep drains E.

40.00 Set a stone 12 x 10 x 10 ins, 8 ins. in the ground, for 1/4

West bdy. of T. 30 S., R. 4 W. continued.

Chains	
	sec. cor. marked 1/4 S. 36 on W. & 31 on E. faces,
	raised a mound of stone 2 ft. base, 1½ ft. high W. of cor.
	Pits impracticable.
	A pinion 10 ins. in diam bears S. 15° W. 40 lks. dist.
	marked 1/4 S. 36 B. T.
	No other suitable tree within proper limits.
61.00	Ravine 150 ft deep
	drains S. E.
80.00	set a stone 6 x 8 x 4 ins. 11 ins. in the ground for cor. of secs. 25, 30 31 & 36. marked with 1 notch on the S. and 5 notches on the N. edges. raised a mound of stone 2 ft. base, 1½ ft. high W. of Cor.
	Pits impracticable.
	a pinion 6 ins. in diam, bears E 30 lks. dist. marked
	T. 30 S. R. 4 W. S 31 & 30 B. T.
	No other suitable trees within limits.
	Land, Mountainous
	Soil, Stony 3rd rate.
	Timber, scattering cedar and pinion
	Dense under growth and Mountainous land, 80.00 chs.

North
along the West bdy. of T.
bet. secs. 25 & 30.
Descending, along the E. side of mountain, through dense artimesa scattering cedar & pinion.

West bdy. of T. 30 S. R. 4 W. continued.

Chains.	
18.00	Ravine 200 ft. deep course S.E. ascend.
24.00	Ridge bears E. and W.
29.00	Wood road bears E. and W.
40.00	Set a trachyte stone 18x10x6 ins. 12 ins. in the ground for 1/4 sec. cor. marked 1/4 S. 25 on W. 30 on E. faces. raised a mound of stone 2 ft. base, 1 1/2 ft. high W. of Cor. Pits impracticable.
42.00	Spur, projects E.
47.00	Birch creek 3 lks wide, pure water flows S.E. in bottom of Canon 600 ft deep.
57.50	Wood road, bears N.W. and S.E.
75.00	Ravine, 200 ft deep course S.E.
80.00	set a trachyte stone 14x12x6 ins. 9 ins. in the ground for cor. of secs. 19. 24. 25 and 30, marked with 2 notches on the S. and 4 notches on the N. edges. raised a mound of stone 2 ft. base, 1 1/2 ft. high W. of Cor. Pits impracticable. A pinion pine 12 ins. in diam. bears S. 40° E. 40 lks dist. Marked T. 30 S. R. 4 E. S. 30 B.T. No other trees within limits. Land mountainous soil, stony 3rd rate. Timber, scattering, cedar and pinion Dense undergrowth and Mountainous land 80.00 chs.

West bdy. of T. 30 S., R. 4 W. continued.

Chains	
	North on the West bdy of T. bet. secs. 19 and 24. Ascending along East side of Mountain, through dense artimesa, Scattering cedar and pinion.
3.00	Spur. Projects E.
14.00	Wood road, bears E. and W.
40.00	On spur, projects S.E. set a trachyte stone 12×9×5 ins. 8 ins. in the ground for 1/4 sec. cor. marked 1/4 S. 24 on W. 19 on E. faces, raised a mound of stone 2 ft base, 1 1/2 ft. high W. of cor. Pits impracticable
46.00	Ravine 300 ft deep Course S.E.
78.00	Ridge, bears N.W. and S.E.
80.00	Set a trachyte stone 16×12×6 ins. 11 ins. in the ground for cor. of secs. 13, 18, 19 and 24. Marked with 3 notches on the S. and N. Edges. raised 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, cedar and pinion Dense undergrowth and Mountainous land, 80.00 chs.

At this cor. We set off 22°22' N. on decl. arc; and at 12h 5m. p.m. l.m.t., observe the sun on the meridian. the resulting lat is 38°12' N

West bdy. of T. 30 S., R. 4 W. continued.

Chains.	
	North on West bdy. of T. bet. secs. 13 and 18. Descending through dense attimesa and oak, scattering cedar and pinion Along the E. side of mountain.
1800	Bottom of ravine 100 ft. deep. Course S. E. ascend
4000	Set a trachyte stone 5 x 10 x 5 ins. 10 ins. in the ground, for 1/4 sec. cor. marked 1/4 S 13 on W. 18 on E. faces, raised a mound of stone 2 ft. base, 1 1/2 ft. high W. of cor. Pits impracticable.
8000	Near head of ravine bears S. E. 800 ft. above 1/4 sec. cor. Set a trachyte stone 16 x 9 x 5 ins. 11 ins in earth and stone, for cor. of secs. 7, 12, 13 and 18. marked with 2 notches on the N. and 4 notches on the S. edges. raised a mound of stone 2 ft. base, 1 1/2 ft. high, W. of cor. Pits impracticable Land, mountainous Soil, stony 4th rate. Timber, scattering Dense undergrowth Mountainous land 80.00 chs.

	North on West bdy. of T. bet. secs. 7 and 12. Ascending the E. side of Mountains, through scattering Aspen, cedar and pine

West bdy. of T. 30 S., R. 4 W. continued.

Chains.	
40.00	Set a trachyte 15 x 9 x 6 ins. 10 ins. in earth and stone, for 1/4 sec. Cor. marked 1/4. S. 12 on W. 70 on E. faces, raised a mound of stone 2 ft. base, 1 ft. high. W. of cor. Pits impracticable
67.00	Top of Pustal Mountains and ridge bears N. 6° W. S. W. 100 ft above cor. of secs. 7, 12, 13 and 18 descend through heavy aspen and pine timber
80.00	Set a trachyte 20 x 10 x 8 ins. 15 ins in a mound of stone and earth, for cor. of secs. 1, 6, 7 and 12. Marked with 5 notches on the S. and 1 notch on the N. edges. From which an Aspen 4 ins. in diam bears N. 80° E. 17 lks. dist., marked T. 30 S. R. 4 W. S. 6 B.T. An Aspen 5 ins. in diam. bears S. 80° E. 18 lks. dist. Marked T. 30 S. R. 4 W. S. 7 B.T. An Aspen 5 ins. in diam. bears S. 20° W. 7 lks. dist. Marked T. 30 S. R. 5 W. S. 12 B.T. An Aspen 5 ins. in diam. bears N. 20° W. 4 lks. dist. Marked T. 30 S. R. 5 W. S. 1 B.T. Land, mountainous Soil, stony 2nd and 4th rate Timber, Aspen, pine, Cedar and pinion Mountainous land, 80.00 chs.

North on West bdy. of T.
Set secs. 1 and 12

West bdy. of T. 30 S., R. 4 W. concluded.

Chains.	
	Descending through heavy aspen and pine timber
40.00	Set a teachyte stone 12 x 8 x 7 ins. 8 ins. in the ground, for 1/4 cor. marked 1/4 S. 1. on W. 6 on E. faces.
	From which a pine 14 ins. in diam. bears S. 3° E. 85 lks. dist. marked 1/4 S. 6. B. T.
	A pine 4 ins. in diam. bears S. 3° 30' W. 87 lks. dist. marked 1/4 S. 1 B. T.
	1/4 sec. cor. sets in edge of opening, bears N. and S.
56.70	Leave opening
	intertimber, bears E. and W.
77.50	Leave timber
	bears E. and W.
77.85	Cattle trail
	bears N. E. and S. W. ascend
80.00	Set temp. cor. of Tps. 29 and 30 S. Rs. 4 and 5 W.
	July 9th
	July 11th, 1900.
	We destroy temp. cor. and at
83.10	The cor. of Ts. 29 and 30 S., Rs. 4 and 5 W. for discription of which see notes of North bdy. of this Tp. in this book.
	Land, mountainous
	Soil, stony 2nd and 4th rate
	Timber, heavy aspen and pine.
	Mountainous land and
	Dense timber 83.10 Chs.

North bdy. of T. 30 S., R. 4 W.

Chains

July 10th 1900.
At 7 a.m., l.m.t., We set off 38°15' N. on lat. arc: 22°17' N. on decl. arc: and determine a true meridian with the solar, at the temporary cor. of Ts. 29 and 30 S., Rs. 4 and 5 W.
Thence We run
East on a random line along the North bdy. of T. 30 S., R. 4 W.
Setting temp. 1/4 sec. and secs. Cors. at intervals of 40.00 chs. and at 47.868 chs. intersect East bdy of T. 3.10 chs. S. of the cor. of Ts. 29 and 30 S., Rs. 3 and 4 W.
Previously described.
In book C of resurvey of Subdivision.
The falling is beyond the limits of 21 minutes of arc, therefore, We abandon the random line.

July 11th
At 7 a.m. l.m.t., We set off 38°15' N. on lat. arc: 22°09' N. on decl. arc: and determine a true meridian with the solar, at the cor. of Ts. 29 and 30 S., Rs. 3 and 4 W.
Previously described.
The magnetic bearing of the true meridian at 7 a.m. is N. 15°35' W.
The angle thus determined reduced by the table page 100, gives the mean mag. decl. 15°29' E.

North bdy. of T. 30 S., R. 4 W. continued.

Chains.	
	We proceed from our re-tracement of subdivision and E. bdy. of this Tp. that it will be necessary for closing Cors. to be set along this bdy. for the Tp. South.
	Thence We run West along the North boundary of T. and S. bdy. of sec. 36. Tp. 29 S., R. 4 W.
	Ascending over rolling land through scattering cedar and pinion timber, and dense artimesia.
3.00	Spur of Mountain projects N. descend.
38.50	Ravine 50 ft. deep. 800 ft wide. Tp. Cor. Course N. W.
40.00	Set a lava stone 14 x 8 x 6 ins. 9 ins. in the ground for 1/4 sec. cor. Marked 1/4 S. 36 on W. face. Raised a mound of stone 2 ft. base, 1 1/2 ft. high, N. of cor. Pits impracticable
79.09	Point for Closing Cor. to secs. 1 and 2 T. 30 S. R. 4 W. set a trachyte stone 16 x 10 x 5 ins., 11 ins. in the ground for closing cor. of secs. 1 and 2

North bdy. T. 30 S., R. 4 W. continued.

Chains	
	Marked C.C. on S. with 1 groove on the E. and 5 grooves on the W. faces. raised a mound of stone 2 ft. base 1½ ft. high S. of Cor.
	Pits impracticable.
— 8.00	Set a trachyte stone 15x9x5 ins. 10 ins. in the ground, for Cor. of secs. 35 and 36 T. 29 S., R. 4 W. marked with 1 notch on the E. and 5 notches on the W. edges. raised a mound of stone 2 ft base, 1½ ft. high N. of Cor.
	Pits impracticable.
	Land, mountainous.
	Soil, Stony loam and Clay and slate.
	Timber, scattering cedar and pinion.
	Mountainous land and dense undergrowth 8.00 chs.
	West on N. bdy. of T.
	and S. bdy. sec. 35. T. 29 S. R. 4 W.
	Descending over rolling land, through dense aitimesa.
13.00	Dry Basin, drains N.E.
	ascend
34.50	Top of high ridge, 1000 ft. about sec. cor. bears N. and S. descend
40.00	Set a lava rock 15x10x4 ins. 10 ins. in the ground for 1/4 sec. cor. to sec. 35 marked 1/4 S. 35 on N. face. raised a mound of stone 2 ft. base, 1½ ft. high N. of Cor.

North bdy. of T. 30 S., R. 4 W. continued.

Chains	
	Pits impracticable
58.50	Ravine 350 ft. deep.
	Course S. as ind.
79.09	Top of ridge, bears N. and S.
	point for closing cor.
	to secs. 2 and 3. T. 30 S. R. 4 W.
	Set a trachyte stone 17 x 10 x 5
	ins. 8 ins. in the ground
	for closing cor. to secs. 2 and 3
	Marked C. C. on S. with 2
	grooves on the E. and 4 grooves
	on the W. faces.
	Raised a mound of stone
	2 ft. base, 1½ ft. high S. of cor.
	Pits impracticable.
80.00	Set a lava rock 16 x 12 x 8 ins.
	11 ins. in the ground, for
	cor. of secs. 34 and 35. T. 29 S., R. 4 W.
	Mound with 2 notches on
	the E. and 4 notches on the
	W. edges. Raised a mound of
	stone 2 ft. base, 1½ ft. high
	N. of cor.
	Pits impracticable.
	Land, mountainous
	soil, stony 4th rate
	No timber
	Mountainous land and dense undergrowth 80.00 chs.

Knowing that subdivision lines from this Tp. will not close upon the corners set on the N. bdy.
We set cors for one Tp. on bdy. of Tp 29 S. R. 4 W.

North bdy. of T. 30 S., R. 4 W. Continued.

Chains.	
	West
	on N. bdy. of T.
	along S. bdy. of sec. 34 T. 29 S., R. 4 W.
	Descending over rolling land,
	through dense arbinesa, scattering
	cedar and pinion.
20.00	Wagon road
	City Creek to Circleville
	bears N. 15° E. and S. 15° W.
	Begin steep ascent.
	Up East side of mountain.
40.00	Set a lava rock 14 x 10 x 6 ins., 9
	ins. in the ground, for 1/4 sec.
	cor. to sec. 34, marked
	1/4 S 34 on N. face,
	raised a mound of stone 2 ft.
	base, 1 1/2 ft. high N. of cor.
	Pits impracticable.
80.00	Top of flat ridge, bears N. and S.
	1500 ft. above 1/4 sec. cor.
	Set a lava rock 14 x 10 x 5 ins.,
	10 ins. in the ground for cor.
	of secs. 33 and 34, T. 29 S., R. 4 W.,
	marked with 3 notches on E. and
	W. edges.
	From which a pinion pine
	8 ins. in diam. bears N. 73° 30' E.
	35 lks. dist. marked T. 29 S., R. 4 W.,
	S. 34 B. T.
	No other suitable trees within
	limits.
	Raised a mound of stone 2 ft.
	base, 1 1/2 ft. high N. of cor.
	Pits impracticable.
	Land, mountainous
	Soil, stony 4th rate.
	Timber, cedar and pinion
	Mountainous land and dense
	undergrowth. 80.00 chs.

V. North bdy. of T. 30 S. R. 4 W. continued.

Chains.	
	July 11th At this cor. We set off 22° 07' N. on decl. arc; and at 0h 5 m. P. M. M. T. observe the sun on the meridian, the resulting lat. is 38° 15' N.
	West on N. bdy. of Tp. along S. bdy of sec. 33 T. 29 S. R. 4 W. Descending, over rolling land through dense artimesa, scattering cedar and pinion
4.50	Begin steep descent. Bears N. 45° W.
28.50	Ravine 50 ft. deep. 600 ft below sec. cor. Course S. Ascend E. side of mountain.
40.00	set a lava rock 14 x 8 x 8 ins. 10 ins. in the ground, for 1/4 sec. cor. to Sec. 33 T. 29 S. R. 4 W. marked 1/4 S. 33 on N. face, raised a mound of stone 2 ft. base, 1 1/2 ft. high N. of cor. Pits impracticable
71.00	Ravine 75 ft. deep. Course S. E. ascend.
80.00.	set a trachyte stone 14 x 8 x 6 ins. 10 ins. in the ground for cor. of secs. 32 and 33 T. 29 S., R. 4 W. Marked with 4 notches on the E. and 2 notches on W. edges, raised a mound of stone, 2 ft. base, 1 1/2 ft. high. N. of cor. Pits impracticable.
	Land, mountainous Soil, Stony 4th rate. Timber, scattering Cedar and Pinion.

North bdy. of T. 30 S., R. 4 W. continued.

Chains	
	Mountainous land and Dense undergrowth 80.00 chs.
	West
	On N. bdy. of T.
	Along the S. bdy. of sec. 32. T. 29 S., R. 4 W.
	Ascending over rolling land along the E. side of Tushar mountains, through dense artimesa and oak brush.
36.00	Ravine 100 ft. deep.
	Course S. E. ascend over broken trachyte ledges and cliffs bear N. E. and S. W.
	Enter scattering aspen
40.00	Set a trachyte stone 16 x 10 x 4 ins 11 ins. in a mound of stone and earth on solid rock base, for 1/4 sec. cor. marked 1/4 S. 32 on N. face, raised a mound of stone 2 ft. base, 1 1/2 ft. high N. of Cor.
	Pits impracticable
80.00	Set a trachyte stone 16 x 12 x 12 ins. 11 ins. in the ground for Cor. of secs. 31 and 32. T. 29 S., R. 4 W. marked with 5 notches on the E. and 1 notch on the W. edges. From which an aspen 5 ins. in diam. bears N. 1° E. 1.08 chs. dist. marked T. 29 S., R. 4 W. S. 32 B. T.
	An aspen 4 ins. in diam. bears N. 84° W. 1.07 chs. dist. marked T. 29 S., R. 4 W. S. 31 B. T. and raised a mound of stone 2 ft. base, 1 1/2 ft. high N. of Cor.

North bdy. of T. 30 S., R. 4 W. continued.

Chains.	
	Pits impracticable. Land, mountainous. Soil, Stony 4th rate. Timber, Cedar and Aspen. Mountainous land and Dense undergrowth 80.00 chs.
	West On N. bdy. of T. 30 S., R. 4 W. along S. bdy. of sec. 31, T. 29 S., R. 4 W. Ascending over rolling land on E. side of mountain, through heavy aspen and pine timber over broken ledges, bears N.E. and S.W.
1.50	Top of ledges, bears N.E. and S.W. level ledges.
22.00	Top of Mountain ridge 600 ft. above sec. cor. bears N.E. and S.W. descend.
40.00	Set a trachyte stone 24 x 18 x 10 ins. 18 ins. in earth and stone, for 1/4 sec. cor. to sec 31. Marked 1/4 S. 31 on N. face, from which an aspen 3 ins. in diam., bears N. 85° E. 10 lks. dist. marked 1/4 S. 31 B.T. a pine 13 ins. in diam. bears N. 85° W. 15 lks. dist. marked 1/4 S. 31 B.T.
65.00	Leave timber, bears N. 80° E. and S. 80° W. enter open Country.
72.60	Cattle trail bears N.E. and S.W.

16

North bdy. of T. 30 S., R. 4 W. Concluded.

Chains.	
/	ascend.
78.68	Intersect N. and S. line on W. bdy. of T. 310 chs. N. of the temp. Cor. of Ts. 29 and 30 S. Rs. 4 and 5 W.
	Which we destroy.
	Set a trachyte stone 13 x 10 x 8 ins. 8 ins. in the ground for Cor. of Ts. 29 & 30 S. Rs. 4 and 5 W.
	Marked with 6 notches on the N., E., S. and W. edges.
	From which an aspen 5 ins. in diam. bears N. 58° E. 75 lks. dist. marked T. 29 S., R. 4 W. S. 31. B.T.
	An aspen 4 ins. in diam bears S. 50° W. 42 lks. dist. marked T. 30 S. R. 5 W. S. 1 B.T.
	An aspen 6 ins. in diam. bears N. 51° 30' W. 42 lks. dist. marked T. 29 S, R. 5 W. S. 36 B.T.
	No other suitable trees within limits.
	Raised a mound of stone, 2 ft. base, 1½ ft. high N. of Cor.
	Pits impracticable.
	Land, Mountainous
	Soil, stony. 3rd and 4th rate.
	Timber, Aspen and pine.
	Mountainous land and heavily timbered
	78.68 chs.

Jan 11th, 1900.

Boundaries of T. 30 S., R. 47 W.

Latitudes, departures, and closing errors.

Line designated	True bearing.	Distance	Latitude N.	Latitude S.	Departure E.	Departure W.
6th Standard Parallel S.	West.	240.00				240.00
West bdy.	North	483.10	483.10			
North bdy.	East.	478.68			478.68	
E. bdy	S 0°30' E	80.00		80.00	.70	
bet. secs. 1 and 12	N 89°19' W.	79.80	.95			79.80
" 2 and 11	S 89°30' W.	81.30		.71		81.30
10 and 11	S 0°30' E.	80.58		80.58	.70	
10 and 15	S 89°59' W.	82.10		.03		82.10
15 and 16	S 0°31' E.	80.69		80.69	.73	
21 and 22	S 0°31' E.	80.69		80.69	.73	
27 and 28	S 0°30' E.	80.66		80.66	.70	
33 and 34	S 0°30' E.	80.66		80.66	.70	
Convergency totals					.57	
			484.05	484.02	483.51	483.70
			484.02		483.70	
Error in Lat. and dep.			0.03		.31	

For general description see subdivision of this township.

Hubert O Page
Harry Erwin
U.S. Deputy Surveyors.

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PAGE

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by .... R5W.

.... 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 ....
....
howing the respective capacities in which they acted:

For final affidavits see Book R. 5 21

.........., *Chainman.*
.........., *Chainman.*
.........., *Moundman.*
.........., *Moundman.*
.........., *Axman.*
.........., *Axman.*
.........., *Flagman.*

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted ....
.........., United States Deputy Surveyor, in surveying all
ose 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 ....

For final affidavits see Book R. 5 21 W.

.........., *Chainman.*
.........., *Chainman.*
.........., *Moundman.*
.........., *Moundman.*
.........., *Axman.*
.........., *Axman.*
.........., *Flagman.*

....

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

SEAL

....

....

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FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

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

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

____
United States Deputy Surveyor.

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

SEAL.

____

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL.

Salt Lake City, Utah, June 3, 1902. ~~189~~

The foregoing field notes of the survey of the North & West boundaries of Township [illegible] South Range [illegible] West of Salt Lake Base and Meridian, Utah

executed by [illegible] and Harry Erwin under their Contract No. 232 dated October 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.

Tue 5 May 25, 1901.

4—679.

E.

BOOK A-287

FIELD NOTES

OF THE SURVEY OF THE

Subdivisions

of

Township No. 30 South

Range No. 4 West

Of the Salt Lake Base and Meridian,

In the State of Utah

AS SURVEYED BY

Hubert D. Page and Harry Erwin, United States Deputy Surveyors

Under ~~his~~ their Contract No. 237, dated November 24th, 1899

Survey commenced July 11th, 1900

Survey completed " 15th, 1900

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Subs. High — 31 - 75 - 68 ✓

Closings — 16 - 87 ✓

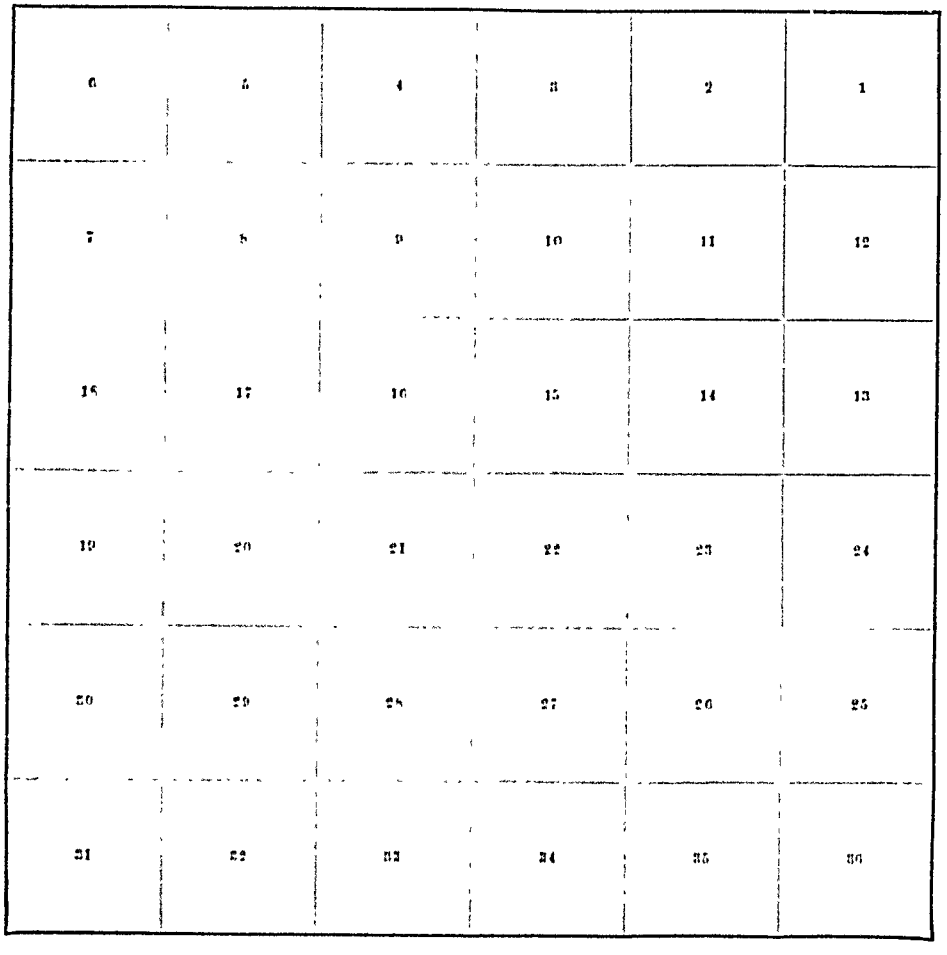
NAMES AND DUTIES OF ASSISTANTS.

Harvey D. Field	Chainman
George N. Stevens	"
Lewis S. Millet	"
Wallace Isbell	"
Newark S. Dawson	Mound man
Haven Burton	"
Newark S. Dawson	Axman
Haven Burton	"
Haven Burton	Flagman

BOOK A-287

INDEX DIAGRAM.

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



Meanders Page . . . . . .

PRELIMINARY OATHS OF ASSISTANTS.

WE, Harvey D. Feist, George N. Stevens, and Lewis S. Miller & Wallace Isabell 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 the subdivision of T. 30 S., R. 4 W., 5 W. of the Salt Lake base and meridian, state of Utah.

Harvey D. Feist, Chainman.
George N. Stevens, Chainman.
Lewis S. Miller, Chainman.
Wallace Isabell, Chainman.

Subscribed and sworn to before me this 5th day of July, 1900

SEAL

Hubert D. Page,
U.S. Deputy Surveyor.

WE, Newark S. Dawson and Haven Burton 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 the subdivision of T. 30 S., R. 4 W., 5 W. of the Salt Lake base and meridian, state of Utah.

Newark S. Dawson, Moundman.
Haven Burton, Moundman.

Subscribed and sworn to before me this 5th day of July, 1900

SEAL

Hubert D. Page,
U.S. Deputy Surveyor.

WE, Newark S. Dawson and Haven Burton 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 the subdivision of T. 30 S., R. 4 W., 5 W. of the Salt Lake base and meridian, state of Utah.

Newark S. Dawson, Axman.
Haven Burton, Axman.

Subscribed and sworn to before me this 5th day of July, 1900

SEAL

Hubert D. Page,
U.S. Deputy Surveyor.

I, Haven Burton, 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 the subdivision of T. 30 S., R. 4 W., 5 W. of the Salt Lake base and meridian, state of Utah.

Haven Burton, Flagman.

Subscribed and sworn to before me this 5th day of July, 1900

SEAL

Hubert D. Page,
U.S. Deputy Surveyor.

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Subdivision of T. 30 S., R. 4 W.

Chains.

Survey Commenced.
July 11th 1900.
and executed with the instrument described in book "A" of this survey.
We know the instrument to be in adjustment by recent observation made July 5th and 8th and recorded in book B of this Survey

July 11th, 1900.
at the standard cor. of secs. 32 and 33 on the S. bdy. of T.
Established by us July 6th 1900
July 11th At 7h. 0m. a. m., l. m. t.,
We set off 38°10' N. on lat. arc:
72°09' E. on decl. arc: and determine a true meridian, with the polar.
Thence We run
North on sectional Guide Meridian
between secs. 32 and 33.
Ascending over broken foot hills through dense altimesa and scattering Cedar and Pinion
36.00 Ridge, bears N.E. and S.W.
40.00 Set a trachyte Stone 14 x 8 x 5 ins. 10 ins. in the ground for 1/4 sec. cor. marked 1/4 S. 32 on W. 33 on E. faces, raised a mound of stone 2 ft. base, 1½ ft. high W. of Cor.
Pits impracticable.
75.00 Wagon road,
Circleville to Beaver, bears E. and W.
and Bottom of Birch Creek Canon and

Subdivisions of T. 30 S., R. 4 W. Continued.

Chains	
	Creek, Dry.
	500 ft. deep, course E.
80.00	Set a Hachy tie mark 16 x 6 x 4 ins., 11 ins. in the ground for cor. of secs. 28, 29, 32 and 33. marked with 5 notches on the N. and 1 notch on the S. edges. raised a mound of stone 2 ft. base, 1½ ft. high W. of cor.
	Pits impracticable
	Land, mountainous
	Soil, stony 4th plate.
	Timber, cedar and pinion
	Dense undergrowth of
	Mountainous land, 80.00 chs.
	North on Sectional Guide Meridian
	Set, secs 28 and 29
	Ascending
	through dense attimesa and oak brush, scattering cedar and pinion
6.00	Dry ravine
	Course S. E. and good road
	bears N. W. and S. E.
40.00	Set a Hachy tie mark 16 x 10 x 9 ins. 10 ins. in the ground, for 1/4 sec. cor. marked 1/4 S. 29 on W. 28 on E. faces,
	raised a mound of stone 2 ft. base, 1½ ft high W. of cor.
	Pits impracticable.
47.00	Spur. Projects E.
66.70	Top of ridge
	bears S. W. and E.
76.00	Ravine 500 ft. deep
	Course E. ascend

Subdivision of T. 30 S., R. 4 W. continued.

Chains	
80.00	Set a trachyte stone 17 x 10 x 4 ins. 11 ins. in the ground for Cor. of secs. 20, 21, 28 and 29. Marked with 2 notches on the S. and 4 notches on the N. edges, raised a mound of stone 2 ft. base, 1 1/2 ft. high W. of Cor. Pits impracticable Land, mountainous Soil, stony 3rd and 4th rate Timber, Cedar and pinion Dense undergrowth and mountainous land, 80.00 chs.
	North on Sectional Guide Meridian. Bet. secs. 20 and 21 Ascending, through dense artimesa and scattering cedar
7.00	Ridge. bears E. and W.
35.00	Dry ravine, 20 of 1 deep, Course E. ascend
40.00	Top of spur. bears N. W. and S. E. Set a trachyte stone 15 x 10 x 4 ins. 10 ins. in the ground, for 1/4 sec. cor. marked 1/4 S. 20 on W. 21 on E. faces, raised 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.
80.00	Set a trachyte stone 18 x 12 x 8 ins. 12 ins. in the ground for cor. of secs. 16, 17, 20 and 21. Marked with 3 notches on the N. and S. edges.

Subdivision of T. 30 S., R. 4 W. continued

Chains	
	raised a mound of stone 2 ft. base 1½ ft. high N. of Cor.
	Pits impracticable
	Land, mountainous
	Soil, stony 4th rate
	Timber, cedar and pinion
	Dense undergrowth and mountainous land, 8000 chs.
	North
	On sectional Guide meridian bet. secs. 16 and 17.
	Ascending along the East side of mountains, through dense artimesa, scattering cedar and pinion
33.00	Bottom of ravine 200 ft. deep course S.E.
40.00	set a trachyte stone 14 x 10 x 4 ins. 9 ins. in the ground, for ¼ sec. cor. marked 1/4 S. 17 on N. 16 on E. faces, raised a mound of stone 2 ft. base, 1½ ft. high N. of Cor.
	Pits impracticable
80.00	set a trachyte stone 16 x 8 x 5 ins. 11 ins. in the ground for cor. of secs. 8, 9, 16 and 17 marked with 4 notches on the S. and 2 notches on the N. edges, raised a mound of stone 2 ft. base, 1½ ft. high N. of Cor.
	Pits impracticable
	Land, mountainous,
	Soil, stony 4th rate
	Timber, cedar and pinion
	Dense undergrowth and mountainous land
	8000 chs.

Subdivision of T. 30 S., R. 4 W. continued.

Chains.	
	July 11th At this cor. We set off 22° 07' N. on decl. arc; and at 0 h. 5 m. p.m., l.m.t., observe the sun on the meridian, the resulting lat. is 38° 13' N.
	North On sectional Guide meridian bet. secs. 8 and 9. Descending over rolling land, through dense artimesa, scattering cedar and pinion.
5.00	Ravine, 100 ft. deep. course E.
25.00	North Creek and Canon 250 ft. deep dry. Course S.E. Ascend.
40.00	Set a trachyte stone 13 x 10 x 6 ins. 8 ins. in the ground, for 1/4 sec. cor. marked 1/4 S. 8 on W. 9 on E. faces, raised a mound of stone 2 ft. base 1 1/2 ft. high W. of cor. Pits impracticable.
80.00	Set a trachyte stone 15 x 10 x 5 ins. 10 ins. in the ground, for cor. of secs 4, 5, 8 and 9. marked with 5 notches on S. and 1 notch on the N. edges. raised a mound of stone 2 ft. base, 1 1/2 ft. high W. of cor. Pits impracticable Land mountainous Soil, stony 3rd and 4th rate. Timber, cedar and pinion. Dense undergrowth and Mountainous land, 80.00 chs.
	North On sectional Guide meridian bet. secs. 4 and 5.

Subdivision of T. 30 S., R. 4 W. continued.

Chains

Descending, over rolling land, through dense artimesa

37.00 Dry ravine 100 ft. deep
Course N. 60° E. ascend

40.00 Set a trachyte stone 13 x 10 x 6 ins. 8 ins. in the ground for 1/4 sec. cor. marked 1/4 S. 5 on W. 4 on E. faces. raised a mound of stone 2 ft. base, 1 1/2 ft. high W. of cor.
Pits impracticable.

49.00 Ravine 75 ft. deep, course E.

74.00 Ravine 150 ft. deep, Course N. 80° E.

83.13 Intersect N. bdy. of Tp.
.91 chs. E. of the cor. of secs. 32 and 33 T. 29 S., R. 4 W.
Set a trachyte stone 15 x 9 x 4 ins. 10 ins. in the ground, for closing cor. to secs. 4 and 5, marked C.C. on S. with 4 grooves on E. and 2 grooves on W. faces, raised a mound of stone 2 ft. base, 1 1/2 ft. high S. of cor.
Pits impracticable.
Land, mountainous
Soil, stony 3rd and 4th rate.
No timber
Mountainous land and dense under growth
83.13 chs.

From the cor. of secs. 28, 29, 32 and 33 the run East on a random line bet. secs. 28 and 33.

40.00 Set temp. 1/4 sec. cor.

79.30 Intersect line S. 0° 30' E. 66 lks. from the cor. of secs. 27 and 34.
Established by us July 10th
This corresponds to retracement, therefore set a trachyte stone 16 x 12 x 5 ins 11 ins. in the ground, for

Subdivision of T. 30 S. R 4 W. continued.

Chains.	
	Closing cor. of secs. 28 and 33, marked C.C. on W. with 1 groove on S. and 3 grooves on E. faces. raised a mound of stone 2 ft. base, 1 1/2 ft. high. W. of cor. Pits impracticable. Thence We run West on a true line bet. secs, 28 and 33. Ascending through dense artimesa
37.50	Rocky Spur, projects S.
39.30	Set a trachyte stone 14 x 8 x 8 ins. 10 ins. in the ground, for 1/4 sec. cor. marked 1/4 S. 28 on N. 33 on S. faces, raised a mound of stone 2 ft. base 1 1/2 ft. high N. of cor. Pits impracticable.
73.30	Ravine 100 ft. deep. course S.E. and Wood road, bears N.W. and S.E.
79.30	The cor. of secs 28, 29, 32 and 33, Land, mountainous Soil, stony 4th rate. No timber Dense undergrowth and Mountainous land. 79.30 chs.
	From the cor. of secs. 20, 21, 28 and 29 We run East on a random line bet secs, 21 and 28.
40.00	Set temp. 1/4 sec. cor.
79.55	Intersect line S. 0°30' E. 1.32 chs. from the cor. of secs 22 and 27 remarked by us. This corresponds to retracement therefore set a trachyte stone 6 x 10 x 5 ins. 11.

Subdivision of T. 30 S., R. 4 W. continued

Chains.	
	ins. in the ground, for closing Cor. of secs. 21 and 28. Marked C.C. on W. with 2 grooves on S. and 3 on E. faces, raised a mound of stone 2 ft. base, 1½ ft. high W. of Cor. Pits impracticable
	Thence W. run
	West on a true line
	bet. secs. 21 and 28.
	Ascending, through dense
	artimesa
	Along N. side of ravine.
38.55	set a trachyte 4 x 8 x 4 ins., 10 ins. in the ground, for 1/4 sec. cor. marked 1/4 S. 21 on N. 28 on S. faces, raised a mound of stone 2 ft. base, 1½ ft. high N. of Cor.
	Pits impracticable
78.55	The Cor. of secs. 20, 21, 28 and 29.
	Land, mountainous
	Soil, Stony 3rd and 4th rate,
	No timber
	Dense undergrowth 78.55 Chs.
	July 11th
	July 12th 1900.
	At 7 a.m., L. M. T.,
	We set off 38° 12' N. on Lat. arc,
	22° 00' N. on dec. arc: and
	determine a true meridian
	with the polar. at the Cor.
	of secs. 16, 17, 20 and 21.
	Thence W. run
	East on a random line
	bet. secs. 21 and 16
40.00	set temp. 1/4 sec. Cor.
77.82	Intersect line S. 0° 31' E. 2.00 Chs.
	from the Cor. of secs. 13 and 22,

Subdivision of T. 30 S., R. 4 W. continued.

Chains.	
	established by us, July 10th This corresponds to the retracement, thereof. Set a trachyte 16×14×8 ins. 11 ins. in the ground for closing cor. of secs. 16 and 21. Mark I C.C. on W. with 3 grooves on S. and E. faces, raised a mound of stone 2 ft. base, 1½ ft. high W. of cor. Pits impracticable. Thence West run West on a true line Bet. secs. 16 and 21. Ascending the E. side of mountain through dense artimisa, scattering cedar and pinion.
37.82	Set a trachyte 14×10×4 ins. 10 ins. in the ground, for 1/4 sec. cor. marked 1/4 S. 16 on N. 21 on 3 faces, raised a mound of stone 2 ft. base, 1½ ft. high N. of cor. Pits impracticable
48.00	Bottom of canon 100 ft. deep. Course S.E.
77.82	The cor. of secs. 16, 17, 20 and 21. Land, mountainous Soil, stony 4th rate. Timber, cedar and pinion Dense undergrowth and Mountainous land, 77.82 chs.
	From the Cor. of secs. 8, 9, 16 and 17 run West East on a random line Bet secs. 9 and 16.
40.00	set temp. 1/4 sec. cor.
77.18	Intersect line S. 0° 31' E. 2.70 chs. from the N.W. of sec. 15 remarked by us. This corresponds to the retracement. Set a trachyte 16×9×8 ins. 11 ins. in the ground, for closing cor. of secs. 9 and 16, mark I C.C. on W. with

Subdivision of T. 30 S., R. 4 W. continued.

Chains.	
	4 grooves on S. and E. faces. Raised a mound of stone 2 ft. base, 1½ ft. high N. of Cor. Pits impracticable
	Thence W. run West on a true line Bet. secs. 9 and 16 Ascending E. side of mountain, through dense attinisa, scattering cedar and pinion
37.18	Set a trachyte 4 x 9 x 4 ins., 10 ins. in the ground for 1/4 sec. Cor. Marked 1/4 S. 9 on N. 16 on S. faces. Raised a mound of stone 2 ft. base, 1½ ft. high. N. of Cor. Pits impracticable.
43.50	North Chiki cañon, dry. 25 ft. deep; course S.E.
77.18	The Cor. of secs. 8, 9, 16 and 17. Land, mountainous, Soil, stony 4th rate. Timber, Cedar and pinion Dense undergrowth and mountainous land 77.18 Chs.
	From the Cor. of secs. 4, 5, 8 and 9 W. run E. on true line Bet. secs. 4 and 9. Over rolling foot hills, through dense attinisa, scattering cedar and pinion.
40.00	Set a trachyte 6 x 10 x 5 ins., 11 ins. in the ground, for 1/4 sec. Cor. Marked 1/4 S. 4 on N. 9 on S. faces. Raised a mound of stone 2 ft. base, 1½ ft. high. N. of Cor. Pits impracticable.

Subdivision of T. 30 S. R. 4 W. continued.

Chains.	
64.00	Top of ridge bears N.E. and S.W. descend.
80.00	Set a trachyte stone 15×10×4 ins. 10 ins. in the ground, for Cor. of secs. 3, 4, 9 and 10. marked with 3 notches on the E. and 5 notches on the S. edges. raised a mound of stone 2 ft. base, 1½ ft. high. W. of Cor. Pits impracticable. Land, mountainous Soil, stony 3rd and 4th rate. Timber, Cedar and Spinion. Dense underg rowth and Mountainous land 80.00 chs.
	July 12th At this cor. we set off 21°59' N. on decl. arc; and at o.h. 5 m. p.m., l.m.t. observe the sun on the meridian, the resulting lat. is 38°14' N.
	Knowing from retracement of subdivisions that the line bet. secs. 9 and 10 will not close within the limits. Therefore we run South on a true line bet. secs. 9 and 10. Over rolling foot hills, through dense artimesa and scattering cedar and spinion. timber
40.00	Set a trachyte stone 17×10×4 ins. 12 ins. in the ground for 1/4 sec. cor. marked 1/4 S. 9 on W. 10 on E. faces,

Subdivision of T. 30 S., R. 4 W. Continued.

Chains.	
	raised a mound of stone 2 ft. base, 1½ ft. high N. of Cor. Pits impracticable.
77.30	Intersect line N. 89° 59' E. 2.82 chs. from the W. cor. of secs. 15 remarked by us. set a trachyte stone 16 x 11 x 5 ins. 11 ins. in the ground for closing Cor. to secs. 9 and 10 Marked C. C. on N. with 4 grooves on S. and 3 grooves on E. faces. raised a mound of stone 2 ft. base, 1½ ft. high N. of Cor. Pits impracticable. Land, Mountainous Soil, Stony 3d rate. Timber, scattering cedar and pinion. Dense undergrowth and Mountainous land 77.30 chs.
	North on true line bet. secs. 3 and 4. Ascending over rolling land, through dense artimesa and scattering cedar and pinion timber
13.00	Ridge, bears N. E. and S. W. descend
35.00	Wood road, bears E. and W.
36.00	Oak Springs Cañon. dry 250 ft. deep. Course E. ascend.
40.00	set a trachyte stone 14 x 8 x 5 ins. 10 ins. in the ground for 1/4 sec. cor. Marked 1/4 S. 4 on W. 3 on E. faces. Raised a mound of stone 2 ft. base, 1½ ft.

Subdivision of T. 30 S., R. 4 W. Continued.

Chains	
	high W. of Col. Pits impracticable.
60.00	Trachyte ledges, 100 ft. high near E. and W.
75.00	Ridge, bears E. and W., descend
83.14	Intersect N. bdy. of T. 9 lks. E. of cor. of secs. 33 and 34, T. 29 S., R. 4 W. Meridian described Set a trachyte stone 16 x 10 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 3 grooves on W. faces, raised a mound of stone 2 ft. base, 1½ ft. high. S. of cor. Pits impracticable. Land, Mountainous Soil, stony 3rd rate. Timber, cedar and pinion. Mountainous land and dense undergrowth 83.14 chs.
	Knowing from retracement of subdivision that the line bet. secs. 3 and 10 will not close within the limits,
	We run East on a true line bet. secs. 3 and 10.
	Descending over rolling land through dense attimesa.
40.00	Set a trachyte stone 16 x 10 x 5 ins. 11 ins. in the ground, for 1/4 sec. cor. Marked 1/4 S 3 on N. face, raised a mound of stone 2 ft base, 1½ ft. high N. of Col. Pits impracticable.
46.00	Oak Springs Cañon dry 25 ft deep. Course S. E., ascend.

Subdivision of T. 30 S., R. 4 W. continued.

Chains.	
51.00	Wagon road, bears N. & W. and S. E.
78.55	Intersect line S. 0° 30' E. 3.34 chs. from NW cor. of sec. 11, as remarked by us; set a trachyte stone 15 x 10 x 8 ins., 8 ins. in the ground, for closing cor. to secs. 3 and 10, marked C. C. on W. with 2 grooves on E. and 5 grooves on S. faces; raised a mound of stone 2 ft. base, 1½ ft. high W. of cor. Pits impracticable. Land, mountainous. Soil, stony 3rd and 4th rate. No timber. Dense undergrowth. 78.55 chs.
	We begin at the closing cor. of secs. 2 and 3, on N. bdy. of Tp. established by us July 11th.
	Thence we run South on a random line bet. secs. 2 and 3.
	Set temp. ¼ sec. cor.
79.80	Intersect line N. 89° 30' E. 1.30 chs. from the NW cor. of sec. 11, as remarked by us.
	This corresponds to reclamement, therefore, set a trachyte stone 15 x 10 x 8 ins., 10 ins. in the ground for closing cor. of secs. 2 and 3, marked C. C. on N., with 2 grooves on the E. and 5 grooves on the S. faces; raised a mound of stone 2 ft. base, 1½ ft. high, N. of cor. Pits impracticable.
	Thence we run North on a true line, bet. secs. 2 and 3, ascending over rolling hills through dense adinieae, scattering cedar and pinion
70.00	Top of rocky ridge, bears E. and W. Descend.

Subdivision of T. 30 S., R. 4 W., continued.

Chains.	
35.00	Ravine, 200 ft. deep. Course S.E. ascend.
36.66	Set a trachyte stone 16 x 12 x 4 ins. 11 ins. in the ground for 1/4 sec. cor. Marked 1/4 S. 3 on W. face, for 1/4 sec. cor. to sec. 3. Raised a mound of stone 2 ft. base, 1 1/2 ft. high W. of cor. Pits impracticable.
40.00	Set a trachyte stone 16 x 12 x 4 ins. 11 ins. in the ground for 1/4 sec. cor. to sec. 2. Marked 1/4 S 2 on W. face, raised a mound of stone 2 ft. base, 1 1/2 ft. high E. of Cor. Pits impracticable.
79.80	The closing Cor. of secs. 2 and 3. on N. bdy. of T.
	Land, mountainous Soil, stony 3rd and 4th rate. Timber, cedar and pinion Dense undergrowth 79.80 chs.
	We begin at the closing Cor. of secs. 1 and 2. On N. bdy. of T.
	and run South on a random line bet. secs 1 and 2.
111.10	Set temp. 1/4 sec. cor.
79.05	Intersect the cor. of secs. 1, 2, 11 and 12 Previously described.
	Thence we run North on a true line bet. secs. 1 and 2. Ascending, through dense artimesa.
3.80	Ravine, drains S.E.
23.75	Spur, projects S.E.
	Point for 1/4 sec. cor. falls on slide rock, Therefore set Witness Cor.
36.00	Set a trachyte stone 16 x 8 x 6 ins. 11 ins. in the ground for Witness 1/4 sec Cor. to secs. 1 and 2. marked W.C. 1/4 S. 2 on W. 1 on E. faces, raised a mound of stone 2 ft. base, 1 1/2 ft. high W. of Cor. Pits impracticable.
39.30	Trachyte ledges 600 ft. above Cor. bears E and W.
40.00	1/4 sec. cor. falls on slide rock and cannot be set.

Subdivision of T. 30 S., R. 4 W. continued.

Chains	
58.00	Ridge, bears E. and W. descend.
79.05	The closeing Cor. of secs. 1 and 2.
	Land, mountainous
	Soil, stony 3rd rate.
	No timber
	Dense Undergrowth and
	Mountainous land 79.05 chs.
	July, 13th 1900
	At 7 a.m., l.m.t., We set off 38°10' N. on lat. arc; 21°52' N. on decl. arc. and determine a true meridian with the solar at the Standard Cor. of secs 31 and 32. On Sbdy of Tp. Previously described.
	Thence We run
	N. 0°01' W. bet secs. 31 and 32
	Ascending over rolling land through dense Artimesa, scattering cedar and pinion
8.00	Top of ridge and mountain
	bears E. and W. descend,
28.00	Ravine, 300 ft. deep course E. ascend.
40.00	Set a trachyte stone 15 x 10 x 8 ins. 10 ins. in the ground for 1/4 sec. cor. marked 1/4 S. 31 on W. 32 on E. faces raised a mound of stone 2 ft. base, 1 1/2 ft. high W. of Cor.
	Pits impracticable
55.00	Bottom of ravine 75 ft. deep course E.
80.00	Set a trachyte stone 12 x 8 x 6 ins. 8 ins. in the ground for cor. of secs. 29, 30, 31 and 32. marked with 5 notches on the E. and 1 notch on the S. edges. raised a mound of stone 2 ft base, 1 1/2 ft. high W. of Cor.
	Pits impracticable.

Subdivision of T. 30 S., R. 4 W. continued.

Chains.	
	From which a cedar 10 ins. in diam. bears S. 75° W. 18 lks. dist. marked T. 30 S. R. 4 W. S. 31. B.T. No other suitable trees within proper limits. Land, mountainous, Soil, stony, 3rd and 4th rate, Timber, scattering cedar and pinion. Dense undergrowth and mountainous land, 80.00 chs
	East on a random line bet. secs. 29 and 32.
40.00.	set temp. 1/4 sec. cor.
80.02	Intersect N. and S. line 12 lks. S of the cor. of secs. 28, 29, 32 and 33. Thence, We run S 89° 55' W. on a true line bet. secs. 29 and 32. Ascending, through dense artimesa and oak brush, and scattering cedar and pinion.
4.00	Birch creek, dry drains S. 75° E. ascend.
4.50	Wagon road, Circle ville to Beaver bears N. W. and S. E.
29.00	Elbow of Birch creek 1 ch. N. bears N. W. and N. E.
40.01	set a trachyte stone 11 x 9 x 6 ins. 7 ins. in the ground for 1/4 sec. cor. marked 1/4 S. 29. on N. 32 on S. faces raised a mound of stone 2 ft. base, 1 1/2 ft. high N. of cor. Pits impracticable.
80.02	The cor. of secs. 29, 30, 31 and 32. Land, mountainous Soil, stony 3rd and 4th rate. Timber, scattering, cedar and pinion.

Subdivisions of T. 30 S., R. 4 W. continued.

Chains.	
	Dense undergrowth. 80.02 chs.
	West on a random line
	Bet. secs. 30 and 31.
40.00	Set. temp 1/4 sec. cor.
79.95	Intersect the W. bdy. of Tp. at the cor. of secs. 25, 30, 31 and 36. heretofore described
	Thence We run
	East on a true line
	Bet. secs. 30 and 31.
	Ascending, through dense artimesa scattering cedar and pinion
1.25	Top of ridge bears N.W. and S.E. descend.
20.00	Bottom of ravine 200 ft deep.
	Course S.E.
39.95	Set a trachyte stone 12 x 10 x 8 ins. 8 ins. in the ground, for 1/4 sec. cor. marked 1/4 S. 30 on N. 31 on S. faces, raised a mound of stone 2 ft. base, 1 1/2 ft. high. N. of Cor.
	Pits impracticable.
47.00	Dry run drains S.E.
79.95	The cor. of secs. 29, 30, 31 and 32.
	Land, mountainous.
	Soil, stony 3rd and 4th rate.
	Timber scattering cedar and pinion
	Dense undergrowth
	79.95 chs.
	July 13
	At this cor.
	We set off 21°50' N on decl. arc. and at 0h. 5 1/2 m p.m. l.m.t., observe the sun on the meridian the resulting lat. is 38°10' N.

Subdivision of T. 30 S., R. 4 W. continued

Chains.	
	N. 0°01' W. bet.
	secs. 29 and 30.
	Ascending; through dense at times a scattering cedar and pinion
8.30	Birch creek, 2 lbs wide pure water flows E. ascend
10.15	Wagon road
	Circleville to Beaver bears E. and W.
40.00	Set a trachyte stone 14 x 8 x 5 ins. 9 ins. in the ground, for 1/4 sec. cor. marked 1/4 S. 30 on W. 29 on E. face, raised a mound of stone 2 ft. base, 1 1/2 ft. high W. of cor.
	Pits impracticable
47.00	Top of ridge bears S.E. and N.W. descend.
76.75	Dry run
	course E.
79.75	Wood road bears S.E. and N.W.
80.00	Set a trachyte stone 18 x 11 x 8 ins. 12 ins. in the ground, for cor. of secs. 19, 20, 29 and 30.
	Marked with 2 notches on the S. and 5 notches on the E. edges raised a mound of stone 2 ft. base, 1 1/2 ft. high W. of cor.
	Pits impracticable.
	From which a pinion 8 ins. in diam, bears N. 20° E. 18 lbs dist. marked T. 30 S., R. 4 W. S. 20 B.T.
	No other suitable trees within limits.
	Land, mountainous
	Soil, stony 3rd and 4th rate.
	Timber scattering cedar and pinion
	Mountainous land and
	Dense undergrowth 80.00 chs.

Subdivision of T. 30 S., R. 4 W., continued.

Chains	
	N. 89° 55' E. on a random line bet. secs. 20 and 29.
40.00	Set temp. 1/4 sec. cor.
80.00	Intersect N. and S. line 1 l. to the N. of the cor. of secs. 20, 21, 28 and 29.
	Thence N. he runs West on a true line bet. secs. 20 and 29.
	Ascending along steep slope to Ravine, through dense Attimesa oak and scattering Cedar and pinion
75.00	Bottom of Ravine 250 ft deep Course S. 80 E.
40.00	set a trachyte stone 16 x 8 x 8 ins. 11 ins. in the ground, for 1/4 sec. cor. marked 1/4 S. 20 on N. 29 on S. faces, raised a mound of stones 2 ft base, 1 1/2 ft. high N. of cor. Pits impracticable.
56.00	Spur projects N. E.
60.00	Ravine 100 ft deep Course N. 80° E.
67.00	" " ravine Course S. 80° E.
80.00	The cor. of secs. 19, 20, 29 and 30, Land, Mountainous Soil, stony, 3rd and 4th rate, Timber, Scattering cedar and pinion. Mountainous land and Descends under south 80.00 chs.
	West on a random line. bet. secs. 19 and 30.
40.00	Set. temp. 1/4 sec. cor.
79.90	Intersect N. bdy of T. at the cor. of secs. 19, 24, 25 and 30. heretofore described

Subdivision of T. 30 S., R. 4 W., continued.

Chains.	
	Thence W. per run East on a true line bet. secs. 19 and 30. Descending through dense artimesia and oak brush, scattering cedar and pinion
16.00	Top of ridge bears S. E. and N. W.
31.00	Bottom of cañon 200 ft. deep. Course S. 80° E.
31.75	Wood road bears S. 80° E.
39.90	Set a trachyte stone 18 x 12 x 8 ins. 12 ins. in the ground, for 1/4 sec. cor. marked 1/4 S. 19 on N. 30 on S. raised a mound of stone 2 ft. base, 1 1/2 ft. high N. of cor. Pits impracticable. Along N. side of cañon.
50.00	Cañon 150 ft deep Course N. 80 E.
79.90	The cor. of secs. 19, 20, 29 and 30. Land, mountainous Soil, Stony 3rd and 4th rate. Timber, scattering cedar and pinion. Dense undergrowth
	79.90 chs.

	N. 0° 01' W. bet. secs. 19 and 20. Descend, through dense artimesia, oak and scattering cedar and pinion.
3.00	Bottom of ravine 150 ft deep course E. ascend.
13.50	Ridge, bears E and W.
24.50	Bottom of ravine 400 ft. deep. Course E.
33.00	Face of trachyte cliffs 200 ft high bear N. E. and S. W.

Subdivision of T. 30 S., R. 4 W. continued.

Chains	
37.50	Ravine 200 ft deep. Course E.
40.00	Set a trachyte stone 24 x 10 x 5 ins. 18 in a mound of stone and earth for 1/4 sec. cor. marked 1/4 S. 19 on W. 20 on E. faces, raised a mound of stone 2 ft. base, 1 1/2 ft. high W. of cor. Pits impracticable.
63.00	Top of ridge bears E. and W.
73.00	Bottom of cañon 800 ft deep course E.
80.00	Set a trachyte stone 14 x 11 x 5 ins. 8 ins in the ground, for cor. of secs 17, 18, 19 and 20, marked with 5 notches on the E. and 3 notches on the S. edges. raised a mound of stone 2 ft. base, 1 1/2 ft. high W. of cor. Pits impracticable. From which a pinion 11 ins. in diam. bears N. 45° W. 2.2 lks. dist. marked T. 30 S. R. 4 W. S. 18. B.T. No other suitable trees within proper limits. Land, mountainous Soil, stony 3rd and 4th rate. Timber, scattering cedar and pinion. Dense undergrowth and Mountainous land, 80.00 chs.

July 13th

July 14th 1900.

At 7 a.m., l. mt. Ype set off 38° 12' N. on lat. arc. 21° 44' N on decl. arc. and determine a true meridian with the solar at the cor. of secs. 17, 18, 19 and 20.

Subdivision of T. 30 S. R. 4 W. continued.

Chains	
	Thence We run
	East on a random line
	bet secs. 17 and 20.
40.00	set temp. 1/4 sec. cor.
79.90	Intersect N. and S. line 4 lks. S. of the cor. of secs. 16, 17, 20 and 21.
	Thence We run
	S. 89°58' W. on a true line
	bet. secs. 17 and 20.
	Ascending through dense sage and oakbrush, scattering cedar and pinion.
39.95	Set a trachyte stone, 16 x 10 x 5 ins. 11 ins. in the ground for 1/4 sec. cor. marked 1/4 S. 17 on N. 20 on S. faces, raised a mound of stone 2 ft. base, 1 1/2 ft. high N. of cor.
	Pits impracticable
44.50	Top of mountain ridge
	bears N. W. and S. E. descend.
79.90	The cor. of secs. 17, 18, 19 and 20.
	Land, Mountainous
	Soil, stony 3rd and 4th rate.
	Timber, scattering cedar and pinion.
	Mountainous land and
	Dense undergrowth 79.90 chs.
	West on a random line
	bet. secs. 18 and 19.
40.00	set temp 1/4 sec. cor.
79.81	Intersect West bdy. of T.
	3 lks. S. of the cor. of secs. 13, 18, 19 and 24 hereto fore described
	Thence We run
	S. 89°59' E. on a true line
	bet. secs. 18 and 19.
	Descending the East side of mountain, through dense at times a scattering cedar and pinion.

Subdivision of T. 30 S., R. 4 W. continued

Chains	
39.81	Set a trachyte stone 15 x 10 x 6 ins. 10 ins. in the ground, for 1/4 sec. Cor. marked 1/4 S. 18 on N. 19 on S. faces, raised a mound of stone 2 ft. base, 1 1/2 ft. high. N. of cor. Pits impracticable.
68.00	Box Canon 100 ft. deep. Course S.E.
76.00	Foot of trachyte cliffs, 200 ft. high bear N.E. and S.W.
79.81	The cor. of secs. 17, 18, 19 and 20. Land, mountainous Soil, stony 3rd and 4th rate. Timber, scattering Mountainous land 79.81 chs.
	N 0°01' W. Bet. secs 17 and 18. Ascending, through scattering cedar and pinion
24.00	Top of ridge, 1000 ft. high, bears S.E. and N.W. leave cedar and pinion descend.
40.00	on east side of mountain. set a trachyte stone 15 x 10 x 6 ins. 10 ins. in the ground for 1/4 sec. Cor. marked 1/4 S. 18 on W. 17 on E. faces raised a mound of stone 2 ft. base, 1 1/2 ft. high W. of cor. Pits impracticable.
52.50	Saddle in ridge bears N.W. and S.E.
80.00	Set a porphyry 15 x 10 x 10 ins. 10 ins. in the ground, for cor. of secs. 7, 8, 17 and 18. marked with 5 notches on the E. and 4 notches on the S. edges raised a mound of stone 2 ft. base, 1 1/2 ft. high W.

Subdivision of T. 30 S., R. 4 W. continued.

Chains.	
	of cor. Pits impracticable. Land, mountainous Soil, stony 3rd and 4th rate. Timber, scattering cedar and pinion. Mountainous land, 80.00 chs. July 14th At this cor. We set off 21°41' N. on decl. arc: and at 0h 5½m p.m.l. m.t., observe the Sun on the meridian, the resulting lat. is 38°13' N.
	N. 89°58' E on a random line bet. secs. 8 and 17.
40.00	set temp. 1/4 sec. cor.
79.80	Intersect N. and S. line 17 lks S. of the cor. of secs. 8, 9, 16 and 17. Thence We run. S. 89°51' W. on a true line bet. secs. 8 and 17. Ascending, through dense sage and oak brush, scattering cedar and pinion.
17.00	Top of ridge, bears N.E. and S.W.
35.50	Spur. projects N.E.
39.90	set a trachyte stone 12 x 10 x 6 ins. 8 ins. in the ground, for 1/4 sec. cor. marked 1/4 S.8. on N. 17 on S. faces. raised a mound of stone 2 ft. base, 1½ ft. high N. of cor. Pits impracticable.
58.00	Top of ridge, bears N.E and S.W. leave timber descend.
73.50	Bottom of Bason, drains N.
79.80	The cor. of secs. 7, 8, 17 and 18. Land, Mountainous Soil, stony 2nd and 4th rate

Subdivision of T. 30 S., R. 4 W. continued.

Chains.	
	Timber, Scattering cedar and pinion Mountainous land 79.80 chs.
	N 89°59' W. on a random line bet. secs. 7 and 18.
40.00	set temp. 1/4 sec. cor.
79.65	Intersect W. bdy. of Tp. 5 lks. N. of the cor. of secs. 7, 12, 13 and 18. heretofore described Thence We run N. 89°59' E. on a true line bet. secs. 7 and 18. Ascending west side of mountain over rolling foot hills through dense oak and Sage brush.
39.65	set a trachyte stone 14x10x6 ins. 9 ins in the ground, for 1/4 sec. cor. marked 1/4 S. 7 on N. 18 on S. faces, raised a mound of stone 2 ft. base, 1 1/2 ft. high. N. of cor. Pits impracticable.
47.00	Top of high mountain ridge bears S.E. and N.W. descend
72.50	Foot of steep descent and dry run bears N. and S.
79.65	The cor. of secs. 7, 8, 17 and 18, Land, mountainous, Soil, stony 2nd and 4th rate. No timber Mountainous land and Dense undergrowth 79.65 chs. July 14th 1900.
	July 15th. At 7 a. m., l. m. t., We set off 38°13' N. on lat. arc: 21°35' N. on decl. arc: and determine a true meridian with the solar

Subdivision of T. 30 S., R. 47 W., continued.

Chains	
	at the cor. of secs. 7, 8, 17 and 18.
	Thence W. per run
	N. 0° 01' W.
	bet. secs. 7 and 8.
	Descending, through dense adobe.
7.00	Dry run N. E.
9.00	Begin ascending along the
	E. side of mountain
	foot. beaks N. E. and S. W.
40.00	Set a trachyte stone 14 x 8 x 5 ins.
	10 ins. in the ground, for 1/4 sec.
	cor. marked 1/4 S. 7 on W. 8 on E.
	faces. raised a mound of stone
	3 ft. base, 1 1/2 ft. high W. of cor.
	Pits impracticable.
59.90	Cotton wood creek, now dry
	course N. E.
79.20	Foot of shelving cliffs
	70 ft. high bear N. E. and S. W.
80.00	on face of cliff
	point for 1/4 cor. of secs. 5, 6, 7 and 8,
	mark X on cliff with 5 grooves
	on S. and E. sides, raised a
	mound of stone 2 ft. base, 1 1/2
	ft. high at foot of cliff.
	Land, mountainous.
	Soil, stony 2nd and 4th rates.
	No timber.
	Dense undergrowth and
	Mountainous land, 80.00 chs.

	N. 89° 57' E. on a random line
	bet. secs 5 and 8.
40.00	Set a temp. 1/4 sec. cor.
79.95	Intersect N. and S. line 17 lks. N
	of the cor. of secs 4, 5, 8 and 9.
	Thence W. per run
	S. 89° 58' W. on a true line

Subdivision of T. 30 S., R. 4 W. continued.

Chains.	
	bet. secs. 5 and 8.
	Ascending through dense artimesa
37.00	Spur, projects S.E. descend.
39.97½	Set a trachyte stone 20 x 11 x 4 ins 15 in in earth and stone, for 1/4 sec. cor. marked 1/4 S. 5 on N. 8 on S. faces, raised a mound of stone 2 ft. base, 1½ ft. high N. of cor.
	Pits impracticable.
47.00	Dry wash 60 ft deep. course S 10° E. ascend.
65.00	Trachyte cliffs 200 ft high. bear N. and S.
79.95	The cor. of secs. 5, 6, 7 and 8.
	Land, mountainous
	Soil, stony 3rd and 4th rate.
	No timber
	Mountainous land and dense undergrowth 79.95 chs
	S. 89° 59' W. on a random line bet. secs 6 and 7.
40.00	Set temp. 1/4 sec. cor.
79.70	Intersect West bdy. of Tp. at the cor. of secs. 1, 6, 7 and 12 previously described
	Thence we run.
	N. 89° 59' E. on a true line bet. secs. 6 and 7.
	Ascending through scattering pine and aspen timber.
16.00	Top of mountain ridge bears N.E. and S.W. descend.
32.00	Leave aspen and pine timber bears N. and S.
	Enter dense sage.
39.70	Set a trachyte stone 16 x 10 x 5 ins. 11 ins. in the ground for 1/4 sec. cor. marked 1/4 S. 6 on N. 7 on

Subdivision of T. 30 S., R. 4 W. continued.

Chains.	
	S. faces, raised a mound of stone 2 ft. base, 1½ ft. high. N. of Cor.
	Pits impracticable
74.00	Top of shelving trachyte cliffs 700 ft. high bears N.E. and S.W.
79.70	The cor. of secs. 5, 6, 7 and 8. Land, mountainous. Soil, stony 4th rate Timber, pine and aspen Mountainous land, 79.70 chs.
	N. 0°01' W. on a true line bet. secs. 5 and 6. Ascend over broken trachyte ledges and cliffs bear N.E. and S.W.
7.00	Enter pine and aspen timber, leave cliffs and ledges. bear N.E. and S.W., descend.
32.00	Head of ravine Course S.E. ascend.
40.00	Set a trachyte stone 14x10x4 ins. 10 ins. in the ground for 1/4 sec. Cor. marked 1/4 S. 6 on W. 5 on E. faces. From which an aspen 4 ins. in diam bears E. 5 lks. dist. marked 1/4 S. 5 B.T. An aspen 3 ins. in diam. bears W. 10 lks. dist. marked 1/4 S. 6. B.T.
48.00	Ridge bears N.W. and S.E. descend.
71.00	Ravine, 150 ft. deep. Course E.

Subdivision of T. 30 S., R. 4 W. concluded.

Chains.	
83.18	Intersect N. bdy. of Tp. 91 lks. E. of the Cor. of secs. 31 and 32 T. 29 S., R. 4 W., set by Us & heretofore described, set a teachyte stone 15×10×8 ins. 10 ins. in the ground, for Closing Cor. of secs. 5 and 6. Marked C.C. on S. with 5 grooves on the E. and 1 groove on W. faces. From which an aspen 9 ins. in diam. bears S. 10° E. 38 lks. dist. marked T. 30 S. R. 4 W. S. 5 B.T. An aspen 18 ins. in diam. bears S. 85° W. 30 lks. dist. marked T. 30 S. R. 4 W. S. 6. B.T. and raised a mound of stone 2 ft. base, 1½ ft high S. of Cor. Pits impracticable. Land, Mountainous soil, stony 4th rate Timber, aspen and pine. Mountainous land 83.18 Chs. July 15th 1900.

General Discription.

The portion of this township subdivided by Us. begins at the foot hills on the East, and extends to high Tushar Mountains on the North West Corner, and consists of steep and broken hills, covered with a dense growth of sage and scattering cedar and pinion timber;

The creeks beds passing through the township are narrow and steep, the

General Discription.

Water seldom reaching land suitable for Cultivation, which lays East of this survey.

There are no settlers in this portion of the township and no indications of mineral.

Hubert D. Page,
Harry Erwin,
U.S. Deputy Surveyors.

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FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

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

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

.....

showing the respective capacities in which they acted:

....., *Chainman.*

....., *Chainman.*

....., *Moundman.*

....., *Moundman.*

....., *Axman.*

....., *Axman.*

....., *Flagman.*

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted .....

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

.....

.....

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

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

....., *Chainman.*

....., *Chainman.*

....., *Moundman.*

....., *Moundman.*

....., *Axman.*

....., *Axman.*

....., *Flagman.*

.....

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

day of ....., 189

.....

SEAL

.....

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FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

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

.....

.....

.....

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

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

For final affidavit see book H. Sp. 30, 85 W.

.....

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 June 3, 1902 189

The foregoing field notes of the survey of the subdivision lines of Township 30 South Range 4 West of the Salt Lake Base and Meridian, Utah

executed by Hubert D Page and Harry Erwin under ~~his~~ their contract No. 232, 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-287

H.J.B.

FIELD NOTES

OF THE SURVEY OF THE

North
Boundary
of
Township No. 30 South
Range No. 5 West

Of the Salt Lake Base and Meridian,
In the State of Utah.

AS SURVEYED BY

Hubert D. Page & Harry Ervin, United States Deputy Surveyors

Under ~~his~~ their Contract No. 237, dated November 24th, 1899

Survey commenced July 13th, 1900

Survey completed July 21st, 1900

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High 6.14.28 ✓
Closing 16.50 ✓

NAMES AND DUTIES OF ASSISTANTS.

Harvey D. Hirst, Chairman

George H. Stevens, "

James S. Miller, "

Wallace Isbell "

Newark S. Dawson, Moundman

Haven Burton, "

Newark S. Dawson, Axman

Haven Burton, "

Haven Burton, Flagman.

For preliminary affidavit see book D. Tp 30 S R 4 W.

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BOOK A-287

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

.....

....., *Axman.*

....., *Axman.*

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

SEAL

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

....., *Flagman.*

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

SEAL

North bdy. of T. 30 S., R. 5 W.

Survey Commenced
July 15th 1900.
and executed with a W. & L. E. Gurley light mountain transit No -, with solar attachment, the horizontal limb is provided with two double verniers placed opposite to each other, reading to single minutes of arc, which is also the least count of the verniers of the latitude and declination arcs. 2

The instrument was examined, tested on the true meridian at Salt Lake City, found correct, and was approved by the Surveyor General for Utah.
June 16th 1900.

We examine the adjustments of the transit, and find them correct; then, to test the solar apparatus by comparing its indications, resulting from solar observations made during a. m. and p. m. hrs. with a true meridian determined by observation on Polaris. 1

We proceed as follows:
July 15th 1900

At a point 5 chs. South of the cor. of Ts. 29 and 30 S., Rs. 4 and 5 W.
Lat. 38°14'43" N. Long. 112°23'36" W.
Established by us.
July 11th 1900

North bdy. of T. 31 S, R. 5 W. continued.

At 5 p.m. l.m.t. We set off 38°15' N. on lat. arc; 21°31' N on decl. arc; and determine a true meridian with the solar; and mark a point thereof on a stone set firmly in the ground 5 chs. N. of my station

July 15th

At 11h.54m.p.m.l.m.t. We 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 chs. N. of my station.

July 16th

At 7 a.m., l.m.t., We lay off the Azimuth of Polaris 1°33'5 to the West and mark the true meridian thus determined, by cutting a small groove in the stone set

July 15th

On which the true meridian falls 0.35 ins, West of the mark determined by the solar.

At 7h10m. a.m. l.m.t.

We set off 38°15' N. on lat. arc. 21°15' N on decl. arc; and mark a point in the true meridian determined with the solar, by a cross on the stone already set 5 chs. N. of our station, this mark falls 0.35 ins. W. of the true meridian established by the Polaris observation

The solar apparatus by p.m.

North bdy. of T. 30 S., R. 5 W. continued

and A.M. observations.
defines positions for true
Meridian at equal
distances E and W. of the true
meridian established by
Polaris observation; therefore,
We conclude the adjustments
of the instrument are
satisfactory.

The magnetic bearing of
the true meridian at 7 h. 30 m.
is N. 15° 51' W. the angle thus
determined reduced by the
table page 100 gives the mean
mag. decl. 15° 45' E

From the cor. of Ts. 29 and 30 S.
Rs. 4 and 5 W.
Established by us.
July 11th 1900

We run
West on a random line
along the N. bdy. of T. 30 S.,
R. 5 W.
setting temp. 1/4 sec. and sec. cors.
at intervals of 40.00 chs. and
at 49.28 chs., intersect E. bdy. of the
Fort Lammerson Wood and timber reservation.
N. 7° 30' E. 16.50 chs. from the closing
cor. of T.s. 29 and 30 S. Rs. 5 W. which is
a trachyte 10 x 8 x 6 ins above ground
marked as described by the Surveyor General.
The falling is beyond
the limits of 21 minutes of
arc. therefore,

North bdy. of T. 30 S., R. 5 W. continued.

Chains

July 19th 1900

at point of intersection,
Set a trachyte stone 16 x 14 x 6 ins. 11 ins in earth and mound of stone.
for Closing Cor. of T. 29 and 30 S. R. 5 W. marked C. C. with 6 grooves on the E. and 6 grooves on the N. and S. faces.
From which an aspen 3 ins. in diam. bears N. 2° E. 9 lks. dist. marked T. 29 S., R. 5 W., S. 31 . . B. T.
An aspen 4 ins. in diam. bears S. 45° E. 30 lks dist. marked T. 30 S., R. 5 W. S. 6. . B. T.

July 20th

At 7 a.m. l.m.t. At this cor; We set off 38°15' N. on lat. arc; 20°43' N. on decl. arc; and determine a true meridian with the solar.
Thence We run
East on a true line
along the N. bdy. of Tp.
bet. secs. 6 and 31.
Descending,
through heavy pine and aspen timber.

46.85 Dam of Kents Reservoir bears N. E. and S. W. drains N. W. ascend

54.28 Set a trachyte stone 24 x 18 x 12 ins. 18 ins in a mound of stone and earth.
for 1/4 sec. cor. marked 1/4 S. 31 on N. 6 on S. faces
From which an aspen 20 ins. in

North bdy. of T. 30 S., R. 5 W. continued.

Chains	
	diam. bears S. 60° W., 16 lks. dist. Marked 1/4 S. 6. B.T. an aspen 3 ins. in diam. bears N. 60° W., 18 lks. dist. Marked 1/4 S. 31 B.T.
66.75	Wagon road bears N. and S. Old log house bears S. 3.50 chs. dist.
86.85	Pole fence bears N. 60° W. and S. 60° E.
94.78	Set a trachy. stone 13x13x5 ins. 8 ins. in the ground for cor. of secs. 5, 6, 31 and 32. Marked with 5 notches on the E. and 1 notch on the W. edges. Bore pitch an aspen 3 ins. in diam. bears S. 16° E. 13 lks dist. Marked T. 30 S., R. 5 W. S. 5. B.T. an aspen 3 ins. in diam. bears S. 15° W., 19 lks. dist. Marked T. 30 S. R. 5 W. S. 6. B.T. an aspen 3 ins. in diam. bears N. 40° W., 19 lks dist. Marked T. 29 S. R. 5 W. S. 31 B.T. No other trees within proper limits, raised a mound of stone 2 ft. base, 1 ft. high W. of Cor. Pits impracticable. Land mountainous Soil, stony 2nd 3rd 4th rate. Timber, heavy Aspen and pine. Mountainous land only heavily timbered
	94.78 chs.

North bdy. of T. 30 S., R. 5 W. continued.

Chains	
	East
	Along the N. bdy. of T.
	bet. secs. 5 and 32.
	Ascending, through dense
	artimesa, aspen and pine
16.50	Mountain Spur.
	projects S. descend
40.00	Set a trachyte 16 x 10 x 5 ins. 11
	ins. in the ground, for 1/4 sec.
	cor. marked 1/4 S. 32 on N. 5 on S.
	faces.
	From which an aspen 3 ins.
	in diam. bears N. 3 lbs. dist.
	marked 1/4 S. 32 B.T.
	an aspen 3 ins in diam.
	bears S. 5 lbs. dist. marked
	1/4 S. 5 B.T.
53.25	South fork of Beaver Creek.
	10 lbs wide, 6 ins. deep. pure
	water flows N. in Cañon
	1000 ft. deep. ascend.
57.00	Leave timber
	bears N. and S.
80.00	Set a trachyte 13 x 8 x 8 ins. 9 ins.
	in the ground, for cor. of secs.
	4, 5, 32 and 33. marked with 4 notches
	on the E. and 2 notches on the
	W. edges. raised a mound of
	stone 2 ft. base, 1 1/2 ft. high
	N. of Cor.
	Pits impracticable
	Land, mountainous
	soil, stony clay 3rd rate.
	Timber, aspen and pine.
	Mountainous land
	and heavily timbered
	80.00 chs.

North bdy. of T. 30 S., R. 5 W. continued.

Chains	
	July 20th at this cor. Wp. set off 20°40' N. on decl. arc; and at 0 h 6 m p.m. l. m. t., observe the sun on the meridian the resulting lat. is 38°15' N
	East on N. bdy. of T. bet. secs. 4 and 33, ascending the West side of high ridge. through dense timber and young growth of aspen.
7.00	Top of ridge, 1000 ft. high bears N. W. and S. E.
21.50	Dry hollow, 250 ft deep. Course N. W.
40.00	set a trachyte 12 x 8 x 6 ins. 8 ins. in the ground, for 1/4 sec. cor. Marked 1/4 S. 33 on N. and S. faces. From pitch an aspen 6 ins. in diam. bears N. 10° E. 15 lks. dist. Marked 1/4 S. 33 B.T. An aspen 4 ins. in diam. bears S. 15° W. 10 lks. dist. marked 1/4 S. 4 B.T.
55.00	Ridge. bears N. W. and S. E. descend.
63.00	Leave timber, bears N. and S.
80.00	set a trachyte 14 x 12 x 8 ins. 9 ins. in the ground, for cor. of secs. 3, 4, 33 and 34. Marked with 3 notches on the E. and W. edges. From pitch an aspen 14 ins. in diam bears S. 77° 30' E. 2.57 chs. dist. Marked T. 30 S. R. 5 W. S. 3 B.T. No other suitable trees within proper limits. Raised a mound of stone 2 ft. base, 1 1/2 ft. high W. of cor.

North bdy. of T. 30 S., R. 5 W. continued.

Chains	
	Pits impracticable.
	Land mountainous
	Soil stony loam 3rd rate.
	Timber heavy Aspen and pine.
	Mountainous land and heavily timbered 80.00 chs.
	East
	On N. bdy. of T.
	bet. secs. 3 and 34.
	Ascending over poor land.
3.00	Enter heavy pine and aspen timber, bears N. 10 E. and S. 10° W.
18.00	Ridge, bears N. and S.
33.00	La Barron Creek, 4 lks. wide 3 ins. deep. pure water flows N. 15° W. in bottom of Cañon and bare flat. Cañon 100 ft deep.
40.00	Set a teachy te 12 x 10 x 10 ins. 8 ins. in the ground for 1/4 sec. Cor. marked 1/4 S. 34 on N., 3 on S faces.
	From which an Aspen 4 ins. in diam. bears N. 16° W. 18 lks dist. Marked 1/4 S. 34 B.T.
	An Aspen 3 ins. in diam. bears S. 18° 30' W. 10 lks dist. Marked 1/4 S. 3 B.T.
54.00	flat ridge bears N. W. and S. E.
73.00	Dry run course N.
80.00	Set a teachy te 14 x 13 x 7 ins. 10 ins. in the ground, for cor. of secs 2, 3, 34 and 35. Marked with 4 notches on

North bdy. of T. 30 S., R. 5 W. continued.

Chains.	
	W. and 2 notches on the E. edges. From which an aspen 5 ins. in diam. bears N. 47° E. 30 lks. dist. marked T. 29 S., R. 5 W. S. 35 B.T. a pine 12 ins. in diam. bears S. 12° E. 17 lks. dist. marked T. 30 S., R. 5 W. S. 2 B.T. an aspen 4 ins. in diam. bears S. 19° W. 8 lks. dist. marked T. 30 S., R. 5 W. S. 3 B.T. an aspen 10 ins. in diam. bears N. 7° W. 22 lks. dist. marked T. 29 S., R. 5 W. S. 34 B.T. Land, mountainous. Soil, stony 3rd rate. Timber, aspen and pine. Mountainous land and heavily timbered 80.00 chs.
	July 20th 1900
	July 21st 1900. At 7 a.m. l. mt., We set off 38°15' N. on lat. arc; 20°32' N. on decl. arc; and determine a true meridian with the solar, at the cor. of secs. 2, 3, 34 and 35. Thence We run East on N. bdy. of Tp. bet. secs. 2 and 35. Ascending, through heavy aspen and pine.
22.00	Spur.
	Projects N. W. descend
40.00	set a trachyte stone 12 x 9 x 5 ins. 8 ins. in the ground for

North bdy. of T. 30 S., R. 5 W. continued.

Chains	
	1/4 sec. cor. marked 1/4 S. 35 on N. 2 on S. faces.
	From which an aspen 5 ins. in diam. bears N. 30° W. 11 lks dist. marked 1/4 S. 35 B.T.
	an aspen 5 ins. in diam bears S. 15° W. 8 lks. dist. marked 1/4 S. 2. B.T.
49.50	I Ant creek. 4 lks wide. 3 ins. deep pure water flows N. W. in Cañon 700 ft deep. ascend
59.75	Top of ridge. bears N 80° W. and S. 80° E. descend
72.50	Dry run 50 ft. deep. course N. 500 ft below ridge.
80.00	set a trachyte 14 x 10 x 6 ins. 10 ins. in the ground. for cor. of secs. 1, 2, 35 and 36. marked with 5 notches on the W. and 1 notch on the E. edges.
	From which an aspen 4 ins. in diam. bears N. 45° E. 12 lks. dist. marked T. 29 S. R. 5 W. S. 36 B.T.
	An aspen 12 ins. in diam. bears S. 69° E. 30 lks. dist. marked T. 30 S. R. 5 W. S. 1 B.T.
	Apine 5 ins. in diam. bears S. 65° 30' W. 32 lks. dist. marked T. 30 S. R. 5 W. S. 2 B.T.
	an aspen 5 ins. in diam. bears N. 11° W. 26 lks. dist. marked T. 29 S. R. 5 W. S. 35 B.T.
	Land, Mountainous
	Soil, Stony 3rd rate.
	Timber, Aspen and Spine
	Mountainous land and heavily timbered 80.00 chs.

North bdy. of T. 30 S., R. 5 W. continued

Chains.	
	East
	On N. bdy. of Tp.
	bet. secs. 1 and 36.
	Descend, through heavy aspen and pine
4.00	Dry ravine
	50 ft deep. course N.
15.50	Dry ravine
	50 ft deep course N. 80° W.
	ascend
39.00	Ridge, 800 ft. above cor.
	bears N. E. and S. W. descend.
40.00	Set a trachy. to stone 12 x 9 x 5 ins.
	8 ins. in the ground, for
	1/4 sec. cor. marked 1/4 S. 36 on N.
	face, 1 on S. face.
	From which an aspen 5 ins. in
	diam. bears N. 30° E. 16 lks dist.
	marked 1/4 S. 36 B.T.
	an aspen 9 ins. in diam. bears
	S. 30° W. 17 lks. dist. marked 1/4 S. 1
	B.T.
58.00	Leave timber bears N. and S.
65.00	Ravine 250 ft. deep.
	course N. ascend.
75.00	Spur
	projects S. descend.
80.00	The cor. of Ts. 29 and 30 S. Rs. 4 and 5 W.
	heretofore described.
	Land, mountainous,
	Soil, stony 4th rate.
	Timber, heavy aspen and pine.
	Mountainous land and
	heavily timbered 80.00 chs.

July 21st 1900

Boundaries of T. 30 S., R. 5 W.

Latitudes, Departures, and Closing errors.

Line designated	True bearing	Distances	Latitudes N.	Latitudes S.	Departures E.	Departures W.
6th Standard Parallel S.	East	488.43			488.43	
E. bdy T. 30 S. R. 5 W.	North	483.10	483.10			
N. bdy " "	West	494.28				494.28
E. bdy Fort Cameron W. & T.	S 2°30' W.	16.50		16.50		74
" Reservation	S 49°45' W.	2.97		192		227
" " "	South	32.88		32.88		
W. bdy T. 30 S. R. 5 W.	S 1°09' E	431.60		431.51	8.66	
Convergency						57
			483.10	482.81	497.09	497.86
			482.81			497.09
Error in Lat. and Dep.			.29			.77

For general discription see Subdivisions,

Hubert D. Page
Harry Erwin.
U.S. Deputy 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.*

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted _____

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

_____

_____

_____

_____ of the _____

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

_____, *Chainman.*

_____, *Chainman.*

_____, *Moundman.*

_____, *Moundman.*

_____, *Axman.*

_____, *Axman.*

_____, *Flagman.*

_____

Subscribed and sworn to before me this _____

day of _____, 189

_____

SEAL

_____

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FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

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

.....

.....

.....

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

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

For final affidavit see book R.R. of 2 S.R.5 W.

.....

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, June 3, 1902, 189

The foregoing field notes of the survey of the North Boundary of Township 30 South Range 5 West of the Salt Lake Base & Meridian Utah

executed by Herbert S. Page and Harry Erwin under ~~his~~ their contract No. 222, dated November 24, 1897, 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.

G.

BOOK A-287

FIELD NOTES

Re-

OF THE SURVEY OF THE

of

East boundary

of the

Fort Cameron

Wood and Timber Reservation

Townships No. 29 and 30 South.

Range No. 5 West.

Of the Salt Lake base and Meridian,

In the state of Utah.

AS SURVEYED BY

Hubert D Page and Harry Erwin, United States Deputy Surveyors,

Under his Contract No. 737, dated November 24th, 1899

Survey commenced July 16th, 1900

Survey completed July 17th, 1900

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Rectangle 3.38.92

Retracement 2.88

NAMES AND DUTIES OF ASSISTANTS.

Harvey D. Hirst, Chainman
George N Stevens "
Lewis S. Miller "
Wallace Isbell "
Newark S. Dawson Moundman
Haven Burton "
Newark S Dawson axman
Haven Burton "
Haven Burton flagman

For preliminary affidavits see Book B. Tp 30 S R 5 W

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BOOK A-287

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 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

_____

Resurvey of the E. bdy. of The Fort Cameron Wood and Timber

Chains	
	Survey Commenced, July 16. 1900 and executed with the instrument described in Book A. of this survey. We know from recent observations made July 15 and 16, 1900, and recorded in book "C" of this survey. the instrument to be in adjustment.
	at the closing cor. of Tps 29 and 30 S., R. 5 W. on the E. bdy. of the Fort Cameron Wood and Timber Reservation, described by the Surveyor General as being 267.87 chs. South of north east, angle corner of the Fort Cameron Wood and Timber Reservation, which is a sandstone 6"x10"x8" ins. above the ground, firmly set, marked as described by the Surveyor General.
	July 16: At 10 A. M., L. M. we set off 38° 15' E. on the Lat. arc: 21° 23' E. on decl. arc: and determine a line meridian with the Solar. Thence we run North on a blank line, along the E. bdy. of the Fort Cameron Wood and Timber Reservation
	at 32.03 chs. after diligent search no trace of the 1.0 mile cor. can be found, and at 72.03 chs.

Resurvey of the E bdy.
Fort Cameron Wood and Timber Reservation Cont

after diligent search, no trace of the ½ mile Cor. can be found. and at 80.00 chs. after diligent search no trace can be found of Closing cor. of secs. 30 and 31, T. 29 S., R. 5 W. therefore we continue our line north, finding no trace of old line until at 3 miles, 38.66 chs. intersect E. and W. line, 12.18 chs. west of the N. E. cor. of the Fort Cameron Wood and Timber Reservation, which is a granite stone 5×10×6 ins. above the ground, firmly set, marked as described by the Surveyor General.
The course of this line is therefore N. 2° 30' E. and the dist. 278.93 chs.
As the Reservation cors. and Closing cors. for E. bdy. of T. 29 S. R. 5 W. are missing, and the land west has been subdivided, we reëstablish the missing corners on the E. bdy. of the Fort Cameron Wood Timber Reservation at proportionate distances, also setting closing corners for T. 29 S., R. 5 W.
July. 16, 1900.

July 17: at the closing cor. of Tps. 29 and 30 S., R. 5 W. heretofore described.
At 7 A. M. l. m. t. we set off 38° 15' N. on the lat. arc: 21° 15' N. on the decl. arc: and determine a true

Reserve of the E. bdy
Fort Cameron Wood and Timber Reservation. Continued

Chains	
	meridian with the solar Thence we run N 2° 30' E. along the E bdy of the Fort Cameron Wood and Timber Reservation, on the 10th mile of bdy. Over stony land, descend through heavy aspen and scattering pine timber.
16.50	Point of intersection of the S. bdy. of T. 29 S., R. 5 W. as established from the E., with the E bdy. of the Fort Cameron Wood and Timber Reservation.
33.426	Set a granite stone 18 x 12 x 5 ins. 12 ins. in the ground for reestablished 10 mile Cor. on the E. bdy. of the Fort Cameron Wood and Timber Reservation, marked 10 M. O M. R. on W. face: and raise a mound of stone, 2 ft base, 1½ ft. high, W of Cor. Pits impracticable This Cor. is set in dense young aspen of not sufficient diameter to mark for bearing trees. After diligent search no trace of old Cor. can be found. Land rolling Soil stony. 3rd and 4th Rate Timber aspen and pine Heavily timbered, 33 426 chs.
	N. 2° 30' E. on the 11th mile of the E bdy. of the Fort Cameron Wood and Timber Reservation Over rolling land, descend

Resurvey of the E. bdy. of the
Fort Cameron Road and Timber Reservation. Continu

Chains	
	through heavy aspen and scattering pine timber.
41.744	Set a trachyte stone, 15 x 12 x 10 ins. 10 ins. in the ground, for reestablished ¼ mile cor. E. bdy. of Res. marked ¼ M., C. M. R. on the west face: and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor. Pits impracticable.
	Entr scattering pine timber,
43.25	Spring branch, 1 lk. wide, 3 ins. deep, in ravine 200 ft. deep, Course N. W. Ascend.
50.06	Set a trachyte stone, 16 x 10 x 6 ins. 11 ins. in the ground, for reestablished Closing cor. for Secs. 30 and 31. T. 29 S., R. 5 W. marked C.C. on W. 5 grooves on N. and 1 groove on S. faces: and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor. Pits impracticable old cor. cannot be found.
63.00	Road to Kents Lake, bears N. W. and S. E.
74.50	Top of ridge, bears E. and W. descend.
83.488	Set a trachyte stone, 15 x 12 x 12 ins., 10 ins. in the ground, for reestablished 1/4 mile cor. on the E. bdy. of the Fort Cameron Road and Timber Reservation, marked 1/4 M., C. M. R. on W. face: And raise a mound of stone, 2 ft. base. 1½ ft. high, W. of cor. Pits impracticable After diligent search, old cor. Cannot be found. Land mountainous. Soil stony. 3rd Rate. Timber aspen and pine. Mountainous land 83.488 chs.

Resurvey of the E. bdy. of the Fort Cameron Wood and Timber Reservation, Continu

Chains	
	N. 2° 30' E. on the 12th mile of the E. bdy. of the Fort Cameron Wood and Timber Reservation.
	Over rolling land, descend through scattering pine and aspen timber.
4.5	Old road, bears E. and W.
15.50	South fork of Beaver Creek, 10 lks. wide, pure water, 6 ins. deep, and Canon 500 ft. deep, Course N. W. Ascend Beaver timber; enter dense Arizonica, mahogany and oak.
27.00	Top of ridge, bears N. W. and S. E. Descend.
41.744	Set a trachyte stone, 20 x 15 x 12 ins. 15 ins. in the ground, for reestablished ¼ mile cor. on E. bdy. of Fort Cameron Wood and Timber Reservation, marked ¼ M. C. M. R. on N. face: and raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor. Pits impracticable. After diligent search, no trace of old Cor. can be found.
43.00	Chaos 50 ft. deep, drains N. Ascend.
50.06	Set a trachyte stone 16 x 10 x 8 ins. 11 ins. in the ground for reestablished closing Cor of secs. 19 and 30 T. 29 S. R. 5 W. on the E. bdy. of the Fort Cameron Wood and Timber Reservation, marked C. C. on W., 2 grooves on S. and 4 grooves on N. faces: and raise a mound of stone, 2 ft. base, 1½ ft. high N. of cor. Pits impracticable.

Resurvey of the E. bdy. of the
Fort Cameron Wood and Timber Reservation, Continu

Chains	
	No trace of old Cor. Can be found.
63.00	Top of trachyte ledged, 400 ft. high, bears N. E. and S. W. descend abruptly over rocks.
83.488	Set a trachyte stone 18×12×10 ins. 12 ins. in the ground, for reestablished 12 mile Cor. on E. bdy. of the Fort Cameron Wood and Timber Reservation, marked 12 M., C. M. R. on the W. face: and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of Cor.
	Pits impracticable.
	After diligent search no trace of old Cor. Can be found.
	Land mountainous.
	Soil stony, 3rd and 4th Rate
	Timber, aspen and pine.
	Mountainous land 83.488 chs.

	N. 2° 30' E. on the 13th mile of the E. bdy. of the Fort Cameron Wood and Timber Reservation descend over broken and stony land.
5.50	Beaver Creek, 25 lks. wide, pure water, 12 ins. deep, and Canon 1000 ft. deep, Course S. W. Begin abrupt Ascent.
19.00	Top of trachyte ledges, 600 ft. high, bears N. E. and S. W. descending land.
41.744	Set a trachyte stone, 16×9×9 ins. 11 ins. in the ground for reestablished ¼ mile Cor. on E. bdy. of the Fort Cameron Wood and Timber Reservation, marked

Chains	
	½ M. N. W. M. R. on W. face: and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of Cor. Pits impracticable
	After diligent search no trace of old Cor. can be found.
50.06	Set a trachyte stone, 16 x 12 x 10 ins., 11 ins. in the ground, for reestablished Closing Cor. of Secs. 18 and 19 T. 29 S. R. 5 W. marked C.C. on W. and 3 grooves on N. and S. faces: and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of Cor. Pits impracticable.
	No trace of old Cor. can be found.
78.52	The N. E. Cor. of the Fort Cameron Wood and Timber Reservation. heretofore described.
	Land mountainous.
	Soil stony, 3rd and 4th Rate.
	No timber.
	Mountainous land, 78.52 chs.

Retracement of the E. bdy. of the Fort Cameron Wood and Timber Reservation in T. 30 S., R. 5 W.

From the closing cor. of Tps. 29 and 30 S., R. 5 W. set from the west, on the E. bdy. of the Fort Cameron Wood and Timber Reservation, heretofore described We run S. on a blank line along the E. bdy. of

the Fort Cameron Wood and Timber Reservation.
At 7.97 chs. we find the ¼ mile cor. of the Reservation bdy, which is a granite stone, 6 x 10 x 10 ins. above the ground, marked as described by the Surveyor General, And at 32.88 chs. we find the S. E. angle cor. of the Fort Cameron Wood and Timber Reservation, which is a granite stone, 6 x 18 x 12 ins. above the ground, marked as described by the Surveyor General.
The course of this line is therefore N. and the dist. 32.88 chs.

July 17, 1900

For General Description see book of subdivisions of T. 29 S. R. 5 W.

Hubert D. Page
Harry Erwin.
U.S. Deputy Surveyors.

Replacement of the E. bdy. of the Fort Cameron & Wind R. Reservation in T. 30 S. R. 5 W. Concluded.

There being no notary public or other officer authorized to administer oaths, within reasonable distance, at the beginning or ending of the Survey, in order to save time and expense, I administer the preliminary and final oaths myself. See books B & N.

Hubert D. Page
U.S. Deputy Surveyor

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PAGE

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

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

showing the respective capacities in which they acted:

_____, *Chainman.*

_____, *Chainman.*

_____, *Moundman.*

_____, *Moundman.*

_____, *Axman.*

_____, *Axman.*

_____, *Flagman.*

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted _____, United States Deputy Surveyor, in surveying all those parts or portions of the _____

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

_____, *Chainman.*

_____, *Chainman.*

_____, *Moundman.*

_____, *Moundman.*

_____, *Axman.*

_____, *Axman.*

_____, *Flagman.*

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

_____

SEAL

6—161

BOOK A 2

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 No. 285 P.H.

.....

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 June 3 1902, ~~189~~

The foregoing field notes of the survey of the East Boundary of Fort Cameron Wood and Timber Reservation Township 29 & 30 South, Range 5 West of the Salt Lake Base & Meridian, Utah

executed by Herbert D. Page and Harry Erwin under ~~his~~ their contract No. 232, 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.

6—151

4—079.

H

BOOK A-287

FIELD NOTES

OF THE SURVEY OF THE

Subdivisions

of

Township 30 South

Range 5 West

of the Salt Lake Base and Meridian,

in the State of Utah

AS SURVEYED BY

Hubert Page & Harry Ewing, United States Deputy Surveyors

Under his Contract No. 222, dated Extended 94, 1899

Survey commenced July 17, 1900, 189

Survey completed July 29, 1900, 189

BOOK A-287

NAMES AND DUTIES OF ASSISTANTS.

Harvey D. Heist, Chainman

George H. Stevens, "

Lewis S. Miller, "

Wallace Isbell, "

Newark S. Dawson, Mountman

Haven Burton, "

Newark S. Dawson, Axman

Haven Burton, "

Haven Burton, Flagman

For preliminary affidavits see book E, Tp 30 S R 4 W

6—151

BOOK A-287

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 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. 30 S. R. 5 W.

Survey commenced July 17, 1900 and executed with a W. & L. E. Gurley, Light mountain transit No. 1 with Solar attachments. The horizontal limb is provided with two double verniers placed opposite to each other reading to single minutes of arc, which is also the least count of the verniers of the latitude and declination arcs.

The instrument was examined, tested on the true meridian at Salt Lake City, found correct. and was approved by the surveyor general for Utah June 16. 1900.

We 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, we proceed as follows:

At the Standard Cor. of sec. 35 and 36 on the S. bdy. of T. 30 S. R. 5 W. herein described in 38° 10' N. Longitude 112° 25' W. I set off 38° 10' N. on the lat arc 21° 11' N. on the decl arc and at 4 p. m. L. M. L. determine with the Solar a true meridian and mark a point thereof on a Stone firmly set in the ground 5 chs. N. of the cor.

Subdivision of T 30 S. R 5 W. Continued

At 11h 40' p.m. by our watches, which show correct l.m.t. We 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 our station.

July 17, 1900

July 18: At 7 a.m. l.m.t. we lay off the azimuth of Polaris, 1°33' to the west, and mark the True Meridian thus determined, by cutting a small groove in the stone set July 17, on which the true meridian falls 0.2 ins. east of the mark determined by the solar.

At 8 a.m. l.m.t. we set off 38°10', on the lat. arc: 21°04' N, on the decl. and mark a point in the true meridian determined with the solar, by a cross on the stone already set 5 chs. N of our station: this mark fall 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 0'10" west and 0'16" east of the meridian established by Polaris observations: therefore, we conclude that the adjustments of the instrument are satisfactory.

Subdivision of T. 32 S., R. 5 W. Continued.

Chains	
	The magnetic bearing of the true meridian, at 8 A. M. is N. 17° 40' W.: the angle thus determined, reduced by the table, page 100, gives the mean mag. decl. 17° 34' E.
	From the cor. already described, we run N. 0° 1' W. bet. secs. 35 and 36. Descend through dense artimesa and scrub oak.
5.00	Big Pine Creek, (now dry) and canon, 100 ft. deep. Course S. 80° E. Begin ascent.
14.50	Centre Creek, (now dry) Course S. E.
33 50	Road from Circleville to Beaver, bears S. E. and N. W.
34.00	Little Pine Creek (now dry) Course S. E. Leave dense scrub oak, enter dense artimesa.
40.00	Set a trachyte stone 14 x 10 x 8 ins., 10 ins. in the ground, for ¼ Sec. cor., marked ¼ S. 35. on the W. and 36 on E. faces: and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor. Pits impracticable.
74.00	Irrigating ditch, Course S. W.
74.50	Road from Circleville to Beaver, bears N. E. and S. W.
80.00	Set a trachyte 12 x 10 x 5 ins. 8 ins. in the ground, for cor. of Secs. 25, 26, 35, and 36, marked with 1 notch on the S. and 1 notch on E. edges: and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor. Pits impracticable. Land, rolling.

Chains	
	Soil, stony and loam; 2nd and 3rd Rate.
	No timber.
	Dense undergrowth. 80.00 chs.
	E. on a random line bet. Secs. 25 and 36.
40.00	Set temp. ¼ Sec. cor.
80.00	Intersect E. bdy. of Tp. at cor of Secs. 25, 30, 31 and 36.
	Thence we run
	W. on a true line bet. Secs. 25 and 36.
	Over rolling land, gradually ascending, through dense cedar and pinion timber.
8.25	Ravine, 100 ft. deep. Course S. E.
	Leave heavy timber, enter dense cedar and pinion timber.
23.40	Top of ridge. bears N. and S.
38.25	Ravine, 150 ft. deep. course S. E.
40.00	Set a trachyte stone 15 x 8 x 5 ins. 10 ins. in the ground, for ¼ Sec. cor. marked ¼ S. 25. on the N. and 36. on S. faces: 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.
62.15	Ravine, 100 ft. deep. Course S.
73.00	Irrigating ditch, course S. W.
73.15	Road from Circleville to Beaver. bears S. W. and N. E.
80.00	The cor. of Secs. 25, 26, 35 and 36.
	Land, rolling.
	Soil, stony and loam, 2nd and 3rd Rate.
	Timber, cedar and pinion.
	Heavily timbered or dense undergrowth. 80.00 chs.

Subdivision of T. 30 S., R. 5 W. Continued.

Chains	
	N. 0° 1' W. bet. secs. 25 and 26
	Ascending over broken land through dense artimesa and mahogany.
12.50	Top of trachyte ledges, 50 ft. high. bear E. and W.
38.60	Top of Spur, projects E. 500 ft. above sec. cor. begin descent.
40.00	Set a trachyte stone 15 x 8 x 5 ins., 10 ins. in the ground, for ¼ sec. cor., marked ¼ S. 26, on the W. and 25 on E. faces: and raise a mound of stone, 2 ft. base, 1½ ft. high. W. of Cor.
	Pits impracticable.
40.25	Top of trachyte ledges, 150 ft. high, bear E. and W.
44.80	Foot of trachyte ledges, enter dense pine and aspen timber, bears E. and W.
52.20	Ravine, 200 ft. deep. Course S.E.
	Leave heavy timber, begin ascent
61.50	Ridge, bears S.E. and N.W. descend through scattering pine and aspen.
70.30	Ravine, 500 ft. deep. Course S.E.
	Wood road, bears S.E.
74.00	Leave scattering timber bears S.E. and N.W.
80.00	Set a trachyte stone 14 x 10 x 4 ins., 10 ins. in the ground, for cor. of secs. 23, 24, 25 and 26, marked with 2 notches on the S. and 1 on E. edges: and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
	Pits impracticable.
	Land, mountainous.
	Soil stony and loam, 3rd and 4th Rate.
	Timber, pine and aspen
	Heavily timbered, mountainous land or dense undergrowth, 80.00 chs.

Subdivision of T. 30 S., R. 5 W. Continued

Chains	
	July 18: At this cor. we set off 21°02' N. on the decl. arc: and at 0h 6 p.m. l.m.t. observe the sun on the meridian: the resulting lat. is 38°11' N.
	E. on a random line bet. secs. 24 and 25.
40.00	Set temp. ¼ sec. cor.
79.98	Intersect E. bdy. of Tp. 3 lks. S. of cor. of secs. 19.24.25 and 30. heretofore described. Thence we run S. 89°59' W. on a true line bet. secs. 24 and 25. Over rolling land, descending through dense artimisia.
11.00	Draw. drains S.E.
35.00	Draw. drains S.E.
39.99	Set a trachyte stone 14x10x10 ins. 10 ins. in the ground, for ¼ sec. cor. marked ¼ S. 24. on the N. and 25 on S. faces: and raise a mound of stone, 2 ft. base, 1½ ft. N. of cor. Pits impracticable.
50.00	Birch Creek, 6 lks. wide, pure water, 4 ins. deep. Course S. 30° E. Begin ascent
56.00	Top of trachyte ledges bear N. and S. 150 ft. high
67.00	Top of ridge. bears N.W. and S.E.
79.95	The cor. of secs. 23.24.25 and 26. Land, rolling and mountainous Soil, stony and loam. 2nd and 3rd Rate. No timber Mountainous land and dense undergrowth. 79.98 chs.

Subdivision of T. 30 S., R. 5 W. Continued

Chains	
	N. 0° 1' W. bet. secs. 23 and 24.
	Over broken land, ascending through dense artimesa.
15.75	Top of ridge bears N. W. and S. E.
	Enter heavy pure timber bears E. and W.
29.50	Ravine, 300 ft. deep. Birch Creek, S. fork. 4 lks. wide, pure water, 4 ins. deep Course S. 80° E.
	Enter aspen timber.
37.00	Leave timber, bears E. and W.
38.50	Wood road, bears N. W. and S. E.
40.00	Set a trachyte stone 15 × 8 × 6 ins., 10 ins. in the ground, for ¼ sec. cor., marked ¼ S. 23. on the W. and 24. on E. faces: and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of Cor. Pits impracticable.
54.00	Enter heavy aspen and pure timber bears E. and W.
63.50	Ravine, 300 ft. deep, Birch Creek, N. fork, 4 lks. wide, pure water, 3 ins. deep. Course S. 35° E.
78.00	Top of ridge, bears N. W. and S. E.
80.00	Set a trachyte stone 18 × 12 × 12 ins. 12 ins. in the ground, for cor. of secs. 13, 14, 23 and 24. marked with 3 notches on the S. and 1 notch on E. edges: from which
	An aspen, 14 ins. diam. bears N. 18° W. 7 lks. dist. marked T. 30 S., R. 5 W., S. 14, B. T.
	An aspen, 4 ins. diam. bears N. 41° E. 20 lks. dist. marked T. 30 S., R. 5 W., S. 13. B. T.
	An aspen, 8 ins. diam. bears S. 21° E. 8 lks dist. marked T. 30 S., R. 5 W., S. 24, B. T.
	An aspen, 7 ins. diam. bears S. 46° W. 21 lks. dist. marked T. 30 S., R. 5 W., S. 23. B. T.

Subdivision of T. 30 S. R. 5 W. Continu

Chains	
	Land, broken and mountainous.
	Soil, sandy loam and stony. 3rd and 4th Rate.
	Timber, pine and aspen.
	Heavily timbered, mountainous land or dense undergrowth. 80.00 chs.
	July 18. 1900
	July 19: At 8 a. m., l. m. t. we set off 38° 12' N on the lat. arc: 20° 53' N. on the decl. arc: and determine a true meridian with the solar at the cor. of secs. 13, 14, 23 and 24.
	Thence we run
	N. 89° 59' E. on a random line bet. secs. 13 and 24.
40.00	Set temp. ¼ sec. cor.
80.02	Intersect E. bdy. of Tp. 3 lks. N. of Cor. of secs. 13, 18, 19 and 24.
	heretofor described.
	Thence we run
	W. on a true line bet. secs. 13 and 24.
	Over rocky soil, broken land.
	ascend.
4.20	Top of ridge, bears S.E. and N.W.
	descend along S. slope of ridge through dense artimesa.
40.01	Set a trachyte stone 15 × 10 × 4 ins. 10 ins. in the ground for ¼ sec. cor. marked ¼ S. 13. on the N. and 24 on S. faces: and raise a mound of stone, 2 ft. base, 1½ ft. high.
	N. of Cor.
	Pits impracticable
69.50	Ravine, 200 ft. deep, drains S.E.
	Enter dense aspen timber, begin steep ascent.
80.02	The cor. of secs. 13, 14, 23 and 24.
	Land broken and mountainous.

Subdivision of T. 30 S., R. 5 W. Continued:

Chains	
	Soil, Sandy loam 2nd Stage. 3rd & 4th Note. Timber. Aspen. Heavily timbered, mountainous land or dense undergrowth. 80.32 Acs.
	N. 0° 1' W. dist. Secs. 13 and 14. Over rocky sides and along east slope of ridge of Tushar mountains through heavy aspen timber.
10.00	Begin ascent.
17.00	Top of ridge. Bears E. and W. Begin descent.
40.00	Set a stone 4 x 7 x 4 ins. 10 ins. in the ground, for ¼ Sec. Cor. marked ¼ S. 14 on the W. and 13 on E. faces: from which A[n] aspen, 6 ins. diam. bears N. 78° E. 29 lks dist. marked ¼ S. 14, B.T. A[n] aspen 3 ins. diam. bears S. 72° W. 25 lks. dist. marked ¼ S. 13, B.T.
51.00	Ravine, 300 ft. deep. Course S. 75° E. Begin ascent.
91.00	Set a stone 6 x 10 x 4 ins. 10 ins. in the ground, for Cor. of Secs. 11, 12, 13 and 14, marked with 4 notches on the S. and 1 notch on E. edges: from which A[n] aspen 6 ins. diam. bears N. 30° W. 24 lks. dist. marked T. 30 S., R. 5 W. S. 11, B.T. A[n] aspen 5 ins. diam. bears N. 16° E. 15 lks dist. marked T. 30 S., R. 5 W., S. 12, B.T. A[n] Aspen, 3 ins. diam. bears S. 72° E. 32 lks. dist. marked T. 30 S., R. 5 W. S. 13. B.T. A[n] aspen 7 ins. diam. bears S. 60° W. 25 lks. dist. marked

Subdivision of T. 30 S. R. 5 W. Continued

Chains	
	T. 30 S. R. 5 W. S. 14. B. 7.
	Land mountainous.
	Soil. Stony. 4th Rate
	Timber. Aspen.
	Heavily timbered or mountainous land. 80.00 chs.
	E. on a random line bet. secs. 12 and 13.
40.00	Set temp. ¼ sec. cor.
80.04	Intersect E. bdy. of Tp. 7 lks S. of Cor. of secs. 7, 12, 13 and 18.
	heretofore described
	Thence run
	S. 89° 57' W. on a true line bet. secs. 12 and 13.
	Over rocky soil and broken ground, ascend along South slope of divide of Gushar mountains, through heavy aspen and scattering pine timber.
40.02	Set a tracky ~~stone~~ 15 x 9 x 4 ins. 10 ins. in the ground for ¼ sec. cor. marked ¼ S. 12. on the N. and 13 on S. faces: from which Br. Aspen, 5 ins. diam. bears N. 15° W. 19 lks. dist. marked ¼ S. 12. B. 7. Br. Aspen, 3 ins. diam. bears S. 35° W. 7 lks. dist. marked ¼ S. 13. B. 7.
49.00	Head of ravine. Course S. E.
80.04	The cor. of secs. 11, 12, 13 and 14
	Land mountainous
	Soil. Stony. 4th Rate
	Timber Aspen and pine.
	Heavily timbered and mountainous land. 80.04 chs.

Subdivision of T. 30 S. R. 5 W. Continued.

Chains	
	July 19: At this Cor. we set off 20° 51' N. on the decl arc and at 0.6 p.m, l.m.t., observe the sun on the meridian, the resulting lat. is 38° 13' N.
	N 0° 1' W. bet. secs. 11 and 12. Over stony soil and broken land ascend the south slope of devide of Tushar mountains, heavy aspen and scattering scrub pine timber.
25.00	Top of devide of Tushar mountains bears N. 60° E. and S. 40° W. 10000 ft. above sea level, Begin descent of N. slope of devide on top of a ridge bearing N. 10° W.
40.00	Set a trachyte stone 16 x 11 x 5 ins. 11 ins. in in the ground, for ¼ sec. cor. marked ¼ S. 11 on the W. and 12 on E. faces: from which A pine, 8 ins. diam. bears N. 32° E. 23 lks. dist. marked ¼ S. 12, B.T. An aspen, 4 ins. diam. bears N. 69° W. 19 lks. dist marked ¼ S. 11. B.T.
66.00	Begin descent on E. slope of ridge.
80.00	Set a trachyte stone 12 x 10 x 5 ins. 8 ins. in the ground, for cor. of secs. 1, 2, 11 and 12, marked with 5 notches on the S. and 1 notch on E. edges: from which An aspen, 10 ins. diam. bears N. 49° W. 11 lks. dist. marked T. 30 S., R. 5 W., S. 2, B.T. An aspen, 5 ins. diam. bears S. 42 E. 10 lks. dist. marked T. 30 S., R. 5 W. S. 12, B.T.

Subdivision of T. 30 S. R. 5 W. Continued

Chains	
	Pine aspen 10 ins. diam. bears N. 36° E. 33 lks. dist. marked T. 30 S., R. 5 W., S. 1, 13. T.
	A pine 6 ins. diam. bears S. 15° W. 20 lks. dist. marked T. 30 S. R. 5 W. S. 11. 13. T.
	Land mountainous. 4th Rate.
	Soil rocky
	Timber aspen and pine.
	Heavily timbered and mountainous land. 80.00 chs.
	N. 89° 57' E. on a random line bet. secs. 1 and 12.
40.00	Set temp. ¼ Sec. Cor.
80.00	Intersect E. boly. of Tp. 7 lks. N. of Cor. of Secs. 1, 6, 7 and 12. heretofore described
	Thence we run N. on a true line bet. secs. 1 and 12.
	Over rolling land, ascend through heavy aspen and pine timber.
26.40	Leave heavy timber bears N. and S.
40.00	Set a trachyte stone 7 x 12 x 5 ins. 12 ins. in the ground for ¼ Sec. Cor. marked ¼ S. 1 on the N. and 12. on S. faces and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of Cor. Pits impracticable.
45.65	Leave dense timber, enter heavy aspen and pine timber bears N. and S.
57.25	Top of ridge bears N. and S.
64.00	Leave heavy timber, bears N. and S.

Subdivision of T. 30 S. R. 5 W. Continued

Chains	
	Enter dense artimesa.
70.00	Enter heavy aspen and pine timber bears N. and S.
80.00	The Cor. of Secs. 1, 2, 11 and 12.
	Land rolling.
	Soil, loam. 2nd Rate.
	Timber, aspen and pine.
	Heavily timbered or dense undergrowth. 80.00 Chs
	N. 0° 1' W. on a random line bet. secs 1 and 2.
40.00	Set temp. ¼ Sec. Cor.
83.14	Intersect N. bdy. of Tp. at Cor. of Secs. 1, 2, 35 and 36
	heretofor described
	Thence we run
	S. 0° 1' E. on a true line bet. Secs. 1 and 2.
	Over rolling land, ascend through heavy aspen and pine timber.
5.00	Spring branch, 1 lk. wide, N. 15° E.
43.14	Set a trachyte stone 13 x 10 x 5 ins. 4 ins. in the ground, for ¼ Sec. Cor. marked with ¼ S. 2 on the W. and 1 on E. faces:
	from which
	An aspen, 5 ins. diam. bears N. 60° E. 40 lks. dist. marked ¼ S. 1, B. T.
	A pine, 10 ins. diam. bears N. 40° W. 52 lks. dist. marked ¼ S. 2, B. T.
51.50	Begin steep ascent.
55.00	Top of steep ascent
60.00	Trachyte ledges, 25 ft. high bear E. and W.
	Ascend along E. slope of ridge.

Subdivision of T. 30 S. R. 5 W. Continued

Chains	
83.14	The cor. of Secs. 1, 2, 11 and 12.
	Land rolling.
	Soil stony and loam, 2nd and 3rd Rate
	Timber aspen and pine.
	Heavily timbered. 83.14 chs.
	July 19, 1900
	July 20: At 7 A.M., I set off 38° 10' on the Lat. arc: 20° 43' W. on the decl. arc: and determine a true meridian with the Solar at the Standard Cor. of Secs. 24 and 35, on the S. bdy. of the Tp. hereto for described.
	N. 0° 1' W. bet. Secs. 34 and 35.
	Over rolling land, through dense artimesa. descend.
11.00	Ravine, 150 ft. deep, Course S.E.
	Begin ascent.
23.65	Top of ridge, bears N.W. and S.E.
35.00	Ravine, 200 ft deep. Course S.E.
40.00	Set a trachyte stone 3 x 10 x 5 ins. 9 ins. in the ground for ¼ Sec. Cor. marked ¼ S. 34 on the W. and 35 on E. faces: and raise a mound of stone, 2 ft. base, 1½ ft. high. W. of Cor.
	Pits impracticable.
50.00	Top of rocky knoll, projecting N.W.
62.50	Big Pine Creek, 6 lks. wide, pure water, 5 ins. deep, Course S.E. ascend
80.00	Set a trachyte stone 6 x 14 x 10 ins. 11 ins. in the ground, for Cor. of Secs. 26, 27, 34 and 35, marked with 1 notch on the S. and 2 on E. edges: and raise a mound of stone, 2 ft. base, 1½ ft. high. W. of Cor.
	Pits impracticable.
	This cor. is on top of a ridge bearing E. and W.
	Land rolling.

Subdivision of T. 39 S. R. 5 W. Continued

Chains	
	Soil stony and loam, 2nd and 4th Rate
	No timber
	Dense undergrowth 80.00 Chs.
	E. on a random line bet. Secs. 26 and 35.
40.00	Set temp. ¼ Sec. Cor.
80.10	Intersect N. and S. line 3 lks. S. of cor. of Secs. 25, 26, 35 and 36. Thence we run S. 89° 59' W. on a true line, bet. Secs. 26 and 35. Over rolling land, ascending through dense timber a few Mahogany.
5.25	Spur, projects S.
10.60	Ravine, 100 ft. deep, drains S.
16.00	Top of Spur, projecting S.
21.20	Little Pine Creek (Snow Sky) and Canon, 300 ft. deep, Course S. E. Enter heavy aspen and pine timber bear N. E. and S. W.
33.00	Leave heavy timber, bears N. and S.
37.00	Top of ridge, bears N. and S.
40.05	Set a trachyte stone 2 x 10 x 5 ins. 8 ins. in the ground, for ¼ Sec. cor. marked ¼ S. 26 on the N. and 35 on S. faces: and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor. Pits impracticable
50.60	Top of Spur, projects S.
63.00	Enter heavy aspen timber, bears N. and S.
64.70	Centre Creek, Canon 200 ft. deep Course S. E. & Spring branch, 1 lk. wide, 2 ins. deep.
74.00	Leave aspen timber, top of ridge bears E. and W. along top of ridge.

Subdivision of T. 30 S. R. 5 W. Continued

Chains	
80.10	The cor. of secs. 26, 27, 34 and 35.
	Land rolling.
	Soil stony loam. 3rd Rate
	Timber aspen and pine.
	Heavily timbered or dense
	undergrowth. 80.10 chs.
	N. 0° 1' W. bet. secs. 26 and 27.
	Over rolling land, ascend
	through dense artimesa and
	mahogany.
4.50	Enter dense aspen timber bears N.W. and S.E.
23.70	Centre Creek, now dry, and
	Canon. 400 ft. deep, Course S.E.
27.75	Leave heavy aspen timber bears
	N.W. and S.E. enter scattering pine
	and dense mahogany.
40.00	Set a trachyte stone 14 x 12 x 6 ins. 10 ins.
	in the ground for ¼ sec. cor.
	marked ¼ S. 27, on the W. and 26 on
	E. faces: and raise a mound of
	stone, 2 ft. base, 1½ ft. high
	W. of cor.
	Pitts impracticable.
51.00	Enter heavy aspen and pine
	timber bears S.E. and N.W.
69.50	Top of ridge, 1000 ft. above sec. cor.
	bears N.W. and S.E.
80.00	Set a trachyte stone 14 x 8 x 6 ins. 10 ins.
	in the ground, for cor. of secs.
	22, 23, 27 and 26 marked with 2 notches
	on the S. and 2 on E. edges
	from which
	A pine, 10 ins. diam. bears
	S. 40° E. 33 lks. dist. marked
	T. 30 S. R. 5 W. S. 26 B. T.
	An aspen, 8 ins. diam. bears
	N. 80° E. 50 lks. dist. marked

Subdivision of T. 30 S. R. 5 W. Continued

Chains	
	T. 30 S. R. 5 W., S. 23. M. T.
	No other trees available.
	Land rolling and mountainous.
	Soil, Stony loam 3rd Rate.
	Heavily timbered, mountainous
	land or dense undergrowth. 80.00 chs.
	July 20: At this cor. we set off 20° 40' N. on the declination arc: and at 0h 6m p. m. L. M. T. observe the sun on the meridian, the resulting lat. is 38° 11' N.
	N. 89° 59' E. on a random line bet. Secs. 23 and 26
40.00	Set temp. ¼ sec. cor.
80.08	Intersect N. and S. line, 3 lks. N. of the Cor. of secs. 25, 26, 23 and 24.
	Thence we run
	W. on a true line bet. Secs. 23 and 26.
	Over rolling land, descend through dense aspen
5.75	Enter dense aspen and pine timber, bears N.W. and S.E.
6.00	Ravine, 500 ft. deep, Course S.E.
	Wood road, bears N.W. and S.E.
17.25	Top of ridge bears N.W. and S.E.
	Begin descent over broken land.
40.04	Set a stone 5 x 9 x 6 ins. 10 ins. in the ground for ¼ sec. cor. marked ¼ S. 23. on the N. and 26. on S. faces: and from which
	Aspen 4 ins. diam. bears N. 30 E. 28 lks dist. marked ¼ S. 23. M. T.
	A pine, 10 ins. diam, bears S. 08° E. 12 lks dist. marked ¼ S. 26. M. T.
77.50	Bottom of ravine, 800 ft. deep. Course S. E. Ascend

Chains	
80.08	The cor. of Secs. 22 23 26 and 27. Land, rolling and broken. Soil, stony loam. 3rd Rate. Timber pine and aspen. Heavily timbered or dense undergrowth. 80.08 Chs.
	N. 0° 1' W. bet. secs. 22 and 23. Over broken land, on south east slope of divide of Tushar mountains through heavy aspen and pine timber.
3.50	Bottom of ravine. 800 ft. deep. Course S. E.
40.00	Set a Hachylaston 4 x 9 x 5 ins. 10 ins. in the ground for ¼ Sec. Cor., marked ¼ S. 22, on the W. and 23 on E. faces: from which A pine 8 ins. diam. bears N. 22° E. 42 lks. dist. marked ¼ S. 23. 93. T. A pine, 6 ins. diam. bears S. 18° W. 35 lks. dist. marked ¼ S. 22. 93. T.
80.00	Set a Hachylaston 6 x 10 x 6 ins., 11 ins. in the ground, for cor. of secs. 14. 15. 22 and 23. marked with 3 notches on the S. and 2 on E. edges:: from which A aspen, 4 ins. diam. bears N. 38° E. 27 lks dist. marked T. 30 S., R. 5 W., S. 14. 93. T. A aspen, 5 ins. diam. bears S. 44° E. 19 lks dist. marked T. 30 S., R. 5 W., S. 23. 93. T. A aspen, 3 ins. diam. bears S. 62° W. 60 lks. dist. marked T. 30 S., R. 5 W., S. 22. 93. T. A pine, 8 ins. diam. bears N. 40° W. 92 lks. dist. marked T. 30 S., R. 5 W., S. 15. 93. T. This cor. stands about 1000 ft. above cor. of secs. 22. 23. 26 and 27. Land mountainous.

Subdivisions T 30 S. R 5 W. continued

Soil, Stony clay and loam. 3rd Rate
Timber, aspen and pine.
Heavily timbered and Mountainous land
80.00 Chs.

E. on a random line bet secs.
14 and 23.
40.00 Set temp. ¼ Sec. cor.
80:10 Intersect N. and S. line, 7 lks. N. of
Cor. of Secs. 13.14.23 and 24.
Thence we run
N. 89° 57' W. bet. Secs. 14 and 23. on a true
line.
Ascend through dense aspen
timber.
2.00 Top of ridge, bears N. W. and S. E. Descend.
10.00 North fork of Birch Creek, now dry, in a
Ravine. 300 ft. deep. Course S. 35° E.
Begin ascent of South east slope of
divide of Tushar mountains,
through heavy aspen and scattering
pine timber
40.05 Set a trachyte stone 5 x 9 x 6 ins. 10 ins. in
the ground for ¼ Sec. Cor., marked
¼ S. 14. on the N. and 23 on S. faces:
from which
Pine 24 ins. diam. bears N. 10° E. 16
lks. dist. marked ¼ S. 14. B. T.
Asp aspen, 3 ins. diam. bears S. 22° E. 9 lks.
dist. marked ¼ S. 23. B. T.
Over broken rocky Land
80.10 The Cor. of Secs. 14. 15. 22 and 23.
Soil, Stony clay. 3rd Rate.
Land broken and mountainous
Timber aspen and pine.
Heavily timbered and
mountainous land 80.10 Chs.

July 20, 1900

Subdivision of T. 30 S. R. 5 W. Continued

Chains	
	July 21. At 9 A.M. l.m.t. we set off 39° 12' N on the lat. arc: 20° 31' N. on the decl. arc: and determine a true meridian with the solar at the Cor. of secs. 14. 15. 22 and 23.
	Thence we run
	N. 0° 1' W. bet. secs. 14 and 15.
	Over broken land, ascending the south east slope of the devide of Tushar mountains, through heavy aspen and pine timber.
40.00	Set a trachyte stone 16 x 9 x 5 ins. 11 ins. in the ground, for ¼ sec. cor. marked ¼ S. 15 on the W. and 14 on E. faces from which
	A pine, 8 ins. diam. bears N. 20° W. 23 lks. dist. marked ¼ S. 15. B. T.
	A pine, 10 ins. diam. bears S. 09° E. 47 lks. dist. marked ¼ S. 14. B. T.
	This cor. is on top of devide of Tushar mountains, bears N.E. and S. W. about 3000 ft. above S.E. cor. of the Tp.
	Begin descent on north west slope.
71.00	Leave timber, bears N.E. and S.W.
	Over slide rock, sloping N.W.
80.00	The point for sec. cor. falls on slide rock, therefor we run S. 89° 5' E. 4.32 chs. dist. and set a trachyte stone 24 x 8 x 6 ins. 18 ins. in the ground, for witness cor. to cor. of secs. 10. 11. 14 and 15 marked W. C. on N.E. face, and 4 notches on the 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 4th Rate
	Timber aspen and pine.

Subdivision of T. 30 S., R. 5 W. Continued.

Chains.	
	Heavily timbered or mountainous land. 80.00 chs.
	S. 89° 57' E. on a random line bet. Secs. 11 and 14.
40.00	Set temp. ¼ Sec. Cor.
80.10	Intersect - N. and S. line 3 lks. S. of Cor. of Secs. 11, 12, 13 and 14. Thence we run N. 89° 58' W. on a true line bet. Secs. 11 and 14. Over broken land, ascending on the South east slope of divide of Tuscarora mountains through heavy pine and aspen timber.
38.00	Top of divide of Tuscarora mountains, bears N.E. and S.W. 10000 ft. above sea level. Begin descent on north west slope.
40.05	Set a hackberry stone 5 x 9 x 6 ins. 10 ins. in the ground, for ¼ Sec. Cor., marked ¼ S. 11, on the N. and 14, on S. faces: from which A pine, 8 ins. diam. bears N. 23° E. 43 lks. dist. marked: ¼ S. 11, 93.7. A aspen 4 ins. diam. bears S. 08° E. 28 lks dist. marked ¼ S. 14, 13.7.
73.80	Leave heavy aspen and pine timber bear N.W. and S. W.
75.75	The W. C. to Cor. of Secs. 10, 11, 14 and 15.
80.10	True point for Cor. of Secs. 10, 11, 14 and 15. on slide rock. Land mountainous Soil stony clay. 3rd. and 4th. Rate Timber, pine and aspen. Heavily timbered or mountainous land. 80.10 chs.

Subdivision of T. 30 S. R. 5 W. Continued

Chains	
	July 21. At this Cor. we set off 20° 28' N. on the decl. arc and at 0h 6m p.m. l.m.t. observe the sun on the meridian, the resulting lat. is 38° 13' N
	N. 0° 1' W. bet. secs. 10 and 11. from the true point for cor. of secs. 10, 11, 14 and 15. witnessed 4.32 chs. S. 89° 58' E.
	Ascend over slide rock.
8.50	Leave slide rock, enter heavy pine timber bears N.W. and S.E.
31.65	Top of trachyte ledges, 40 ft. high, bear N.W. and S.E.
	Begin descent.
40.00	Set a trachyte stone 14 x 10 x 10 ins. 10 ins. in the ground, for ¼ sec. cor. marked ¼ S. 10. on the W. and 11 on E. faces: from which
	A pine, 14 ins. diam. bears S. 72° W. 14 lks. dist. marked ¼ S. 10. B.T.
	A pine, 14 ins. diam. bears S. 60° E. 21 lks. dist. marked ¼ S. 11. B.T.
54.25	Top of Spur, projects N.W.
	Begin steep descent.
66.00	Foot of steep descent, over gradually descending land.
80.00	Set a trachyte stone 8 x 11 x 6 ins. 12 ins. in the ground, for cor. of secs. 2, 3, 10 and 11, marked with 5 notches on the S. and 2 notches on E. edges: from which
	A pine, 5 ins. diam. bears N. 85° W. 10 lks. dist. marked T. 30 S. R. 5 W. S. 3. B.T.
	A pine, 14 ins. diam. bears N. 60° E. 1.15 chs. dist. marked T. 30 S. R. 5 W. S. 2. B.T.
	A pine, 5 ins. diam. bears S. 80° E. 15 lks. dist. marked T. 30 S. R. 5 W. S. 11. B.T.
	A pine, 11 ins. diam. bears S. 85° W. 13 lks. dist. marked T. 30 S. R. 5 W. S. 10. B.T.
	Land mountainous.

Subdivision of T. 22 S. R. 5 E. Continued.

Chains.	
	Soil, stony and loam. 2nd and 3rd Rate
	Timber, pine and aspen.
	Heavily timbered and Mountainous
	Land. 80.00 Chs.
	S. 89° 58' E. on a random line bet.
	Secs. 2 and 11.
40.00	Set temp. ¼ sec. cor.
80.00	Intersect W. and S. line 5 lks. S. of
	Cor. of Secs. 1, 2, 11 and 12.
	Thence we run
	N. on a true line bet. Secs.
	2 and 11.
	Over rolling land, Ascend
	thence heavy aspen and pine
	timber.
4.00	Top of ridge. Bears W. and S.
24.00	Ravine, 300 ft. deep, Course W.
40.00	Set a trachyte stone 17 x 5 x 5 ins. 12 ins. in
	the ground, for ¼ Sec. Cor.
	marked ¼ S. 2. on the W. and 11 on
	S. faces: from which:
	A aspen, 4 ins. diam. bears W. 80° N.
	18 lks. dist. marked ¼ S. 2. 13. T.
	A aspen, 4 ins. diam. bears S. 15° E. 18
	lks. dist. marked ¼ S. 11. 53. T.
41.00	Top of ridge. Bears W. 25° N.
66.70	Spring branch, Course W. 60° N. 1 lk. wide.
80.00	The Cor. of Secs. 2. 3. 10 and 11
	Land rolling and Mountainous
	Soil, stony and loam, 2nd and 3rd Rate
	Timber, aspen and pine.
	Heavily timbered or Mountainous
	Land. 80.00 Chs.
	N. 0° W. on a random line bet. Secs.

Subdivision of 7.30 S. R. 5 W. Continued

Chains	
	2 and 3.
40.00	Set temp. ¼ sec. cor.
83.12	Intersect N. bdy. of Tp. at cor. of secs. 2, 3, 34 and 35.
	hereto for described.
	Thence we run
	S. 0° 1' E. on a true line bet. secs. 2 and 3.
	Over rolling land, gradual ascent through heavy aspen and pine timber
43.12	Set a trachyte stone 24 x 15 x 9 ins. 18 ins. in the ground, for ¼ sec. cor. marked ¼ S. 3. on the W. and 2 on E. faces: from which
	An aspen, 6 ins. diam. bears S 45° W. 12 lks. dist. marked ¼ S. 3. B. T.
	An aspen, 6 ins. diam. bears E. 22 lks. dist. marked ¼ S. 2. B. T.
	Begin gradual descent
55.00	Leave heavy timber bears E. and W.
	Enter La Barron meadow
63.00	N. side of a marsh, shore line bears N.W. and S.E.
69.00	S. side of marsh, shore line bears E. and W.
	Begin gradual ascent
77.00	Leave La Barron meadow.
	Enter heavy aspen and pine timber. bears E. and W.
	The area of La Barron Meadow is about 60 acres. A pond of clear water covering about 10 acres is situated in the northwest portion.
83.12	The cor. of secs. 2, 3, 10 and 11.
	Land rolling
61.12 / 22.00	Soil stony and loam 1st and 3rd Rate
	Timber aspen and pine
	Heavily timbered 61.12 Chs.
	July 21, 1900

Chains	
	July 22: At 7 A.M. L.M.t. we set off 38° 10' N on the Lat. arc: 20° 2' N on the decl. arc: and determine a true meridian with the Solar, at the Standard cor. of Secs. 27, 33 and 34, on the S. boly. of the Tp. hereby described. Thence we run
	N. 0° 2' W. bet. Secs. 33 and 34.
	Over broken land, ascend through dense aspen and scrub mahogany.
5.00	Ravine 100 ft. deep, Course E.
6.50	Top of rocky Spur, projects E.
9.50	Ravine, 150 ft. deep, Course S.E.
34.20	Top of ridge, bears S.E. and N.W. Enter heavy Aspen and Scattering pine timber.
40.00	Set a stone 18 x 12 x 10 ins. 12 ins. in the ground, for ¼ Sec. Cor. marked ¼ S. 33, on W. and 34 on E. faces: and from which Bg Aspen, 4 ins. diam. bears N. 10° E. 12 lks. dist. marked ¼, S. 34, B.T. Bg aspen, 4 ins. diam. bears N. 65° W. 23 lks. dist. marked ¼ S. 33, B.T.
50.00	Ravine, 200 ft. deep. Course S.E.
63.00	Top of ridge, bears S.E. and N.W. Along E. Slope of ridge.
80.00	Set a stone 14 x 8 x 5 ins. 10 ins. in the ground, for Cor. of Secs. 28, 27, 34 and 33 marked with 1 notch on the S. and 3 notches on E. edges: from which Bg Aspen, 8 ins. diam. bears S. 10° W. 8 lks. dist. marked T. 30 S., R. 5 W., S. 33, B.T. Bg Aspen, 8 ins. diam. bears S. 35° E. 32 lks. dist. marked T. 30 S. R. 5 W., S. 34, B.T. No other trees within limits.

Chains	
	and raise a mound of stone 2 ft. base, 1½ ft. high. W. of Cor. Pits impracticable. Land broken and mountainous. Soil, Stony and Clay 3rd and 4th Rate. Timber, aspen, pine and dwarf Mahogany. Heavily timbered, mountainous or dense undergrowth. 80.00 Chs.
	E. on a random line bet. secs. 27 and 34.
40.00	Set temp. ¼ sec. cor.
80.00	Intersect N. and S. line, at cor. of secs. 26, 27, 34 and 35. Thence we run W. on a true line bet. secs. 27 and 34. Over rolling land, ascend through dense artimesa and Mahogany brush.
6.50	Top of Spur, projects S.
9.00	Enter heavy aspen, bear N. and S.
9.50	Ravine, 80 ft. deep, Course S.
10.50	Leave heavy aspen, bear N. and S.
25.50	Top of Spur, projects S.
29.00	Big Pine Creek, 6 lks wide, pure water, 6 ins. deep, Canon 400 ft. deep. Course S.E. Ascend. Enter pine timber.
40.00	Set a trachyte stone 14 x 8 x 6 ins. 10 ins. in the ground, for ¼ sec. Cor. Marked ¼ S. 27. on the N. and 34 on S. faces from which A pine, 12 ins. diam. bears, S. 80° E. 8 lks. dist. marked ¼ S. 34. B.T. No other trees within limits. And raise a mound of stone, 2 ft. base, 1½ ft. high. N. of Cor.

Chains	
	Pits impracticable
47.00	Top of ridge. bears N.W. and S.E. descend.
61.00	Leave pine enter heavy aspen timber bears N.W. and S.E. ascend,
66.20	Top of ridge. bears N.W. and S.E. descend.
80.00	The cor. of secs. 27, 28, 33 and 34
	Land rolling.
	Soil Stony loam. 3rd Rate
	Timber aspen and pine
	Heavily timbered or dense
	undergrowth. 8000 chs.

N. 0° 2' W. bet. secs. 27 and 28
Over rolling land, ascend
through dense aspen and
aspen timber.

15.00	Enter pine timber. bears E. & W.
35.00	Leave pine timber. bears E. and W.
	Over stony and broken land
40.00	Set a trachyte stone 15 x 14 x 9 ins. 12 ins. in the ground for ¼ sec. cor. marked ¼ S. 28 on the W. and 27 on E. faces. and raise a mound of stone 2 ft. base 1½ ft. high W. of Cor.
	Pits impracticable.
60.00	Enter heavy aspen and pine timber bears E. and W.
80.00	Set a trachyte stone 16 x 10 x 4 ins. 11 ins. in the ground for Cor. of secs. 21, 22, 27 & 28. marked with 2 notches on the S. and 3 notches on E. edges.
	from which
	Asp aspen, 4 ins. diam. bears N. 18° E. 9 lks. dist. marked. T. 30 S., R. 5 W., S. 22., B. T.
	Asp pine, 10 ins. diam. bears S. 32° E. 25 lks. dist. marked T. 30 S., R. 5 W., S. 27, B. T.

Subdivision of T. 30 S. R. 5 W. Continued

Chains	
	An aspen, 5 ins. diam. bears S. 30° W. 40 lks. dist. marked T. 30 S. R. 5 W. S. 28. B. T.
	An aspen, 3 ins. diam. bears N. 72° W. 24 lks. dist. marked T. 30 S. R. 5 W. S. 21. B. T.
	Land, rolling, broken and Mountainous
	Soil, Stony clay and loam 3rd & 4th Rate
	Timber, aspen and pine
	Heavily timbered, mountainous or dense undergrowth 80.00 chs.
	July 22: At this Cor. we set off 20°16' N. on the decl. arc: and at 0h 6m p. m. l. m. t. observe the sun on the meridian the resulting lat. is 38°11' N.
	E. on a random line bet. secs. 22 and 27.
40.00	Set temp ¼ sec. cor.
80.08	Intersect N. and S. line, 5 lks. S. of Cor. of secs. 22, 23, 26 and 27.
	Thence we run
	S. 89°58' W. on a true line bet. secs. 22 and 27.
	Over broken, stony land, ascend along E. slope of divide of Inshar mountains, through heavy aspen and pine timber.
10.50	Top of ridge, bears S.E. and N.W.
39.00	Ravine, 500 ft. deep. Course S.E.
40.04	Set a trachyte stone 15 x 9 x 6 ins. 10 ins. in the ground, for ¼ sec. cor. marked ¼ S. 22 on the N. and 27 on S. faces from which
	An aspen, 6 ins. diam. bears N. 10 lks. dist. marked ¼ S. 22. B. T.
	An aspen, 4 ins. diam. bears S. 15° W. 24 lks. dist. marked ¼ S. 27. B. T.
80.05	The cor. of secs. 21, 22, 27 and 28.
	Land Mountainous
	Soil Stony clay 3rd and 4th Rate

Subdivision of T. 30 S. R. 5 W. Continued

Chains	
	Timber, aspen and pine Heavily timbered and mountainous land. 80.08 chs.
	N. 0° 2' W. bet. secs. 21 and 22. Over broken stony land, ascend the southeast slope of devide of Tushar mountains through dense aspen and pine timber.
39.00	Top of devide of Tushar mountains bear N.E. and S.W. 10000 ft above sea level. Begin descent on north west slope.
40.00	Set a trachyte stone 15 × 11 × 4 ins. 10 ins. in the ground for ¼ sec. cor. marked ¼ S. 21. on the W. and 22 on E. faces: from which A pine, 8 ins. diam. bears N. 25° E. 19 lks. dist. marked ¼ S. 22. B.T. A pine, 10 ins. diam. bears N. 72 W. 40 lks. dist. marked ¼ S. 21. B.T.
80.00	Set a trachyte stone 12 × 11 × 10 ins. 8 ins. in the ground, for cor. of secs. 15, 16, 21 and 22. marked with T. 30 S. on N.E. and R. 5 W. on S.E. faces: with 3 notches on S. and 3 notches on E. edges: from which A pine, 8 ins. diam. bears N. 26° E. 1.20 chs. dist. marked T. 30 S. R. 5 W. S. 15. B.T. A pine, 5 ins. diam. bears S. 33° E. 1.15 chs. dist. marked T. 30 S. R. 5 W. S. 22. B.T. A pine, 11 ins. diam. bears S. 44° W. 98 lks. dist. marked T. 30 S. R. 5 W. S. 21. B.T. A pine, 14 ins. diam. bears N. 24° W. 73 lks. dist. marked T. 30 S. R. 5 W. S. 16. B.T. Land mountainous. Soil stony and gravel 3rd and 4th Rate.

Subdivision of T. 30 S., R. 5 W. Continued.

Chains	
	Timber, aspen and pine. Heavily timbered or mountainous land, 80.00 chs. July 22, 1900.
	July 23: At 8 A.M. l.m.t. we set off 38° 12' N on the lat. arc: 20° 07' N. on the decl. arc, and determine a true meridian, with the solar, at the Cor. of secs. 15, 16, 21 and 22.
	N. 89° 58' E. on a random line bet. secs. 15 and 22.
40.00	Set temp. ¼ sec. cor.
80.10	Intersect N. and S. line, 3 lks. S. of Cor. of secs. 14, 15, 22 and 23. Thence we run S. 89° 57' W. on a true line bet. secs. 15 and 22. Over broken land, ascending the south east slope of devide of Tushar mountains through dense aspen and pine timber.
40.05	Set a trachy. bottom 15 x 10 x 6 ins. 10 ins. in the ground, for ¼ sec. cor. marked ¼ S. 15 on N. and 22 on S. faces: from which An aspen, 3 ins. diam. bears N. 8 lks. dist. marked ¼ S. 15 B. T. An aspen, 5 ins. diam. bears S. 15° W. 13 lks. dist. marked, ¼ S. 22. B. T.
43.00	Top of devide of Tushar mountains bear N.E. and S.W. 10000 ft. above sea level. Begin descent on north west slope of devide.
80.10	The cor. of secs. 15, 16, 21 and 22. Land mountainous Soil, stony and clay. 3rd and 4th Rate Timber, aspen and pine.

Subdivision of T. 30 S., R. 5 W., Continued.

Chains	
	Heavily timbered and Mountainous land. 80.10 chs.
	N. 0° 2' W. Dist. Secs. 15 and 16.
	Over broken, stony land, descending the north west slope of divide of Tushar mountains, through heavy aspen and pine timber.
40.00	Set a trachyte stone 3 x 11 x 5 ins. 9 ins. in the ground, for ¼ Sec. Cor. marked ¼ S. 16 on W. and 15 on E. faces: from which A aspen, 5 ins. diam., bears E. 54 lks. dist. marked ¼ S. 15. B. T. A aspen, 5 ins. diam., bears W. 23 lks. dist. marked ¼ S. 16. B. T.
58.00	Ravine, 200 ft. deep, Course W.
	Begin ascent.
76.00	Top of ridge bears N. W. and S. E.
	Begin descent.
80.00	Set a trachyte stone 7 x 10 x 10 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: from which A aspen, 8 ins. diam. bears N. 70° E. 36 lks. dist. marked T. 30 S., R. 5 W., S. 10, B. T. A aspen, 5 ins. diam. bears S. 43° E. 12 lks. dist. marked T. 30 S., R. 5 W., S. 15. B. T. A aspen, 12 ins. diam. bears S. 69° W. 26 lks. dist. marked T. 30 S., R. 5 W., S. 16. B. T. A aspen, 6 ins. diam., bears N. 75° W. 13 lks. dist. marked T. 30 S., R. 5 W., S. 9. B. T.
	Land broken and mountainous.
	Soil, stony loam 3rd Rate.
	Timber, aspen and pine
	Heavily timbered and mountainous land. 80.00 chs.

Subdivision of T. 30 S., R. 5 W. Continued

Chains	
	July 23: At the cor. of secs. 9, 10, 15 and 16, we set off 20° 04' E. on the declination arc: and at 0h 6m p.m., L.M.T. observed the sun on the meridian, the resulting lat. is 38° 13' N.
	Thence we run
	N. 89° 57' E. on a random line bet. secs. 10 and 15.
40.00	Set stone for ¼ sec. cor.
80.00	Intersect N. and S. line, 7 lks. N. of cor. of secs. 10, 11, 14 and 15, which falls on slide rock and is witnessed 4.32 chs. S. 89° 58' E.
	Thence we run
	N. on a true line bet. secs. 10 and 15.
	Descend over steep slide rock
7.00	Leave slide rock, enter heavy pine and aspen timber, bears N. and S.
11.00	Head of ravine, course N.
	Begin ascent.
33.00	Top of spur, projects N.
	Begin descent over rolling land.
40.00	Set a tracky stone 12 x 11 x 10 ins. 7 ins. in the ground, for ¼ sec. cor. marked ¼ S. 10 on N. and 15 on S. faces: from which
	A pine, 14 ins. diam., bears N. 55° E. 56 lks. dist. marked ¼ S. 10. B.T.
	A pine, 16 ins. diam., bears S. 60° E. 55 lks. dist. marked ¼ S. 15. B.T.
80.00	The cor. of secs. 9, 10, 15 and 16.
	Land, broken and mountainous
	Soil, stony and loam. 3rd and 4th Rate.
	Timber, aspen and pine
	sparsely timbered and mountainous land 80.00 chs.

Subdivision of T. 30 S., R. 5 W. Continued

Chains	
	N. 0° 2' W. bet. secs. 9 and 10.
	Over rolling land descending
	through dense pine and aspen
	timber.
22.00	Top of Spur, projects N. W. 200 ft. below sec. cor.
40.00	Set a tracky bush 6 x 12 x 5 ins. 11 ins. in
	the ground for ¼ sec. cor. marked
	¼ S. 9 on W. and 10 on E. faces:
	from which
	R. pine, 5 ins. diam. bears N. 15 E. 8 lks.
	dist. marked ¼ S. 10. B. T.
	No other trees within limits.
	And raise a mound of stone
	2 ft. base, 1½ ft. high, W. of cor.
	Pits impracticable.
67.00	Top of ridge. Bears N. W. and S. E.
	Leave heavy timber, enter
	dense aspines.
80.00	Set a tracky bush 5 x 12 x 5 ins: 10 ins. in
	the ground, for cor. of secs. 3. 4. 9 and 10
	marked with 5 notches on the S.
	and 3 on E. edges: and raise a
	mound of stone, 2 ft. base, 1½ ft.
	high, W. of cor.
	Pits impracticable.
	Land rolling
	Soil, loam. 2nd Rate
	Timber aspen and pine
	Heavily timbered or dense
	undergrowth, 80.00 chs.

	E. on a random line bet. secs.
	3 and 10
40.00	Set temp. ¼ sec. cor.
79.96	Intersect N. and S. line; 7 lks. S. of
	Cor. of Secs. 2, 3, 10 and 11.
	Thence run
	S. 89° 57' W. on a true line bet.

Subdivision of T. 30 S., R. 5 W., Continue

	Secs. 3 and 10
	Over rolling land, ascending through dense aspen and pine timber.
25.00	Draw, 50 ft. deep, drains N. 15° W.
39.98	Set a trachyte stone 13 x 10 x 7 ins. 9 ins. in the ground for ¼ sec. cor. marked ¼ S. 3 on the N. and 10 on S. faces: and raise a mound of stone 2 ft base, 1½ ft. high. N. of cor. from the ¼ sec. cor.
	A pine 18 ins. diam. bears N. 8 lks. dist. marked ¼ S. 3. B. T.
	No other trees within limits.
54.00	Top of ridge, bears N. and S.
	Leave timber bears N. and S. enter dense artimesa, scrub oak and mahogany.
69.00	Top of steep descend over lava rock.
74.00	Bottom of ravine 80 ft. deep Course N. 10° W. begin gradual ascent.
	Enter scattering pine bear N. and S.
79.96	The cor. of secs. 3, 4, 9 and 10.
	Land rolling.
	Soil, stony and loam 2nd and 7th Rate
	Timber aspen and pine
	Heavily timbered or dense undergrowth. 79.96 chs.

	N. 0° 2' W. on a random line bet. secs. 3 and 4.
40.00	Set temp. ¼ sec. cor.
83.10	Intersect N. bdy. of Tp. at cor. of secs. 3, 4, 33 and 34. heretofor described.
	Thence we run
	S. 0° 2' E. on a true line bet. secs. 3 and 4.

Subdivision of T. 30 S. R. 5 W. Continued

Chains	
	Over rolling land, ascending through dense undergrowth.
10.50	Enter heavy pine and aspen timber bears E. and W.
43.10	Set a trachyte stone 4 x 10 x 6 ins. 10 ins. in the ground, for ¼ sec. cor. marked ¼ S. 4. on W. and 3 on E. faces: and raise a mound of stone. 2 ft. base. 1½ ft. high, W. of cor.
	From the ¼ sec. cor.
	A aspen, 8 ins. diam. bears S. 15° E. 35 lks. dist. marked ¼ S. 3, B. T.
	No other trees within limits
	This ¼ sec. cor. is situated on top of a ridge, bears N. W. and S. E.
	Begin descent.
68.00	Ravine, 100 ft. deep, Course N. W. and S. E.
	Begin ascent.
79.00	Leave timber bears E. and W.
83.10	The cor. of secs. 3, 4, 9 and 10.
	Land rolling.
	Soil, loam. 2nd Rate
	Timber, aspen and pine.
	Heavily timbered or dense undergrowth.
	83.10 chs.
	July 23. 1900

July 24: At 7 A.M. L.M.T. we set off 38° 10' W on the lat. arc: 19° 55' on the decl. arc: and determine a true meridian, with the Solar, at the Standard Cor. of secs. 32 and 33 on the S. boy of the Tp. heretofore described. Thence we run

N. 0° 3' W. bet. secs. 32 and 33.

Over rolling land, ascending

Subdivision of T. 30 S. R. 5 W. Continued

Chains	
	along West slope of devide of Tushar mountains, through dense artimesa and scrub oak.
4.25	Enter heavy aspen timber, bears E. and W.
18.00	Top of ridge bears S.W. and N.E. 500 ft. high. Begin descent through dense pine, pinion, cedar, aspen and spruce timber.
35.00	Trachyte ledges 100 ft. high bear E. and W. Leave timber, bears E. and W.
40.00	Set a trachyte stone 15 x 12 x 5 ins. 10 ins. in the ground, for ¼ sec. cor. marked ¼ S. 32 on W. and 33 on E. faces: and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of Cor. Pits impracticable.
45.00	Head of S. fork of South Creek. Course W. Begin ascent through scattering aspen and dense oak brush.
70.00	Top of ridge bears E. and W. Begin descent through dense spruce and pine timber.
77.00	Leave spruce and pine timber bears N.W. and S.E. enter dense young aspen.
80.00	Set a trachyte stone 16 x 10 x 5 ins. 10 ins. in the ground, for cor. of secs. 28, 29, 32 and 33. marked with 1 notch on the S. and 4 notches on E. edges: from which A pine, 5 ins. diam. bears N. 15° W. 20 lks. dist. marked T. 30 S. R. 5 W. S. 29. B. T. No other trees of sufficient diameter within limits

Subdivision of T. 30 S. R. 5 W. Continued.

Chains	
	and raise a mound of stone, 2 ft. base, 1½ ft. high. W. of cor. Pits impracticable. Land rolling and mountainous. Soil stony and loam. 2nd and 3rd Rate. Timber, cedar, pinion, aspen, spruce and pine. Heavily timbered, mountainous or dense undergrowth. 80.00 chs.
	E. on a random line bet. secs. 28 and 33.
40.00	Set temp. ¼ sec. cor.
80.00	Intersect N. and S. line, 3 lks. S. of cor. of secs. 27, 28, 33 and 34. Thence run S. 89° 59' W. on a true line bet. secs. 28 and 33.
	Ascend through dense aspen timber.
3.00	Top of ridge bears N. and S. Begin descent.
6.60	Ravine, 150 ft. deep. Course S. Begin ascent over rolling land, through heavy pine timber.
24.00	Top of rocky spur projects S. Leave pine timber, bears N. and S. Enter dense aspen timber and scattering groves of heavy aspen timber.
35.40	Ravine 150 ft. deep. Course S.
40.00	Set a trachyte stone 4 x 8 x 5 ins. 9 ins. in the ground for ¼ sec. cor. marked ¼ S. 28, on the N. and 33 on S. faces; from which A. aspen, 8 ins. diam. bears N. 45° W. 5 lks. dist. marked ¼ S. 28 B. T. A. aspen, 10 ins. diam. bears S. 45° E. 10 lks. dist. marked ¼ S. 33 B. T.

Subdivision of 7.30 S. R. 5 W. Contin

Chains	
42.20	Leave aspen timber bears N. and S.
46.75	Top of divide of Tushar mountains bear N. and S. 9500 ft. above sea level
	Begin descent.
54.00	Enter heavy aspen timber, bear N. and S.
67.25	Bottom of Canon. 400 ft. deep
	Course S.
	Begin ascent
75.50	Top of ridge. bears N. and S.
	Descend through young aspen.
80.00	The cor. of secs. 28, 29, 32 and 33.
	Land rolling and mountainous.
	Soil stony and loam. 2nd and 3rd Rate
	Timber pine and aspen.
	Heavily timbered, mountainous or dense undergrowth. 80.00 chs.
	N. 0°3' W. bet. secs. 28 and 29.
	Descending along W. slope of ridge. through dense dwarf aspen.
34.45	Middle fork of South Creek, 3 lks. wide. pure water. 5 ins. deep and Canon 600 ft. deep. Course W.
	Begin ascent
36.45	Quartzite ledges. 20 ft. high. bear S.E. and N.W.
40.00	Set a quartzite stone, 13×7×6 ins. 8 ins. in the ground, for ¼ sec. cor. marked ¼ S.29 on W. and 28 on E. faces.
	from which
	A aspen, 4 ins. diam. bears E. 21 lks. dist. marked ¼ S. 28 B.T.
	No other suitable trees within limits.
	And raise a mound of stone. 2 ft. base, 1½ ft. high, N. of cor.
	Pits impracticable
67.00	Top of Spur projects S.W.

Subdivision of T. 30 S., R. 5 W. Continued

Chains	
80.00	Set a quartzite stone 12×10×6 ins. 8 ins. in the ground, for cor. of Secs. 20, 21, 28 and 29, marked with 2 notches on S. and 4 notches on E. edges: and from which Aspen, 3 ins. diam. bears N 30° W. 25 lks. dist. marked T. 30 S. R. 5 W. S. 20. B. T. Aspen, 4 ins. diam. bears N. 38° E. 16 lks. dist. marked T. 30 S., R. 5 W., S. 21. B. T. Aspen, 7 ins. diam. bears S. 80° E. 21 lks. dist. marked T. 30 S., R. 5 W., S. 28. B. T. Aspen, 9 ins. diam. bears S. 45° W. 25 lks. dist. marked T. 30 S., R. 5 W., S. 29. B. T. Land, mountainous. Soil stony loam. 3rd Rate Timber Aspen Heavily timbered and mountainous land. 80.00 chs.
	July 24: At this cor. we set off 19° 52' E. on the declination: and at 0h 6m p.m. local mean time observe the sun on the meridian, the resulting lat. is 38° 11' N.
	N. 89° 59' E. on a random line bet. Secs. 21 and 28.
40.00	Set temp. ¼ Sec. Cor.
80.06	Intersect N. and S. line, 5 lks. W. of Cor. of Secs. 21, 22, 27 and 28. Thence we run N. 89° 59' W. on a true line bet. Secs. 21 and 28. Over broken land, ascend the east slope of divide of Trashan mountains, through heavy Aspen and pine timber.
21.00	Leave timber, bears N.E. and S.W.

Subdivision of T. 30 S. R. 5 W. Contin.

Chains	
25.00	Top of deviide of Tushar mountains bears N.E. and S.W. 9500 ft. above sea level. Begin descent on west slope of deviide, through dense oak and mahogany brush.
40.03	Set a trachyte stone 16 × 10 × 4 ins. 10 ins. in the ground for ¼ Sec. Cor. marked ¼ S. 21 on N. and 28 on S. faces: and raise a mound of stone, 2 ft. base, 1½ ft. high. N. of Cor. Pits impracticable. Enter dense dwarf aspen timber bears N.E. and S.W.
80.06	The Cor. of secs. 20, 21, 28 and 29. Land rolling and mountainous. Soil Stony loam. 3rd Rate Timber Aspen and pine. Heavily timbered or mountainous land. 80.06 Chs.

N. 0°3 W. bet. secs. 20 and 21.
Over rolling land, descending through dense aspen and scattering pine timber.

21.00	Quartzite ledges 25 ft. high. bear N.E. and S.W.
40.00	Set a quartzite stone 12 × 9 × 6 ins. 8 ins. in the ground, for ¼ Sec. Cor. marked ¼ S. 20. on W. and 21 on E. faces: from which A aspen, 3 ins. diam. bears N. 40° W. 10 lks. dist. marked ¼ S. 20. B. T. A aspen, 3 ins. diam. bears N. 70° E. 15 lks. dist. marked ¼ S. 21. B. T.
48.62	Spring branch, Course W. 1 lk. wide,
80.00	Set a trachyte stone 13 × 8 × 7 ins. 8 ins. in the ground, for cor. of secs. 16. 17.

Subdivision of T. 30 S., R. 5 W. Continued

Chains	
	20 and 21, marked with 3 notches on the S. and 4 notches on E. edges: from which
	An aspen, 9 ins. diam. bears N. 47° 50' W. 1.93 chs. dist. marked: T. 30 S., R. 5 W., S. 17, B. T.
	A pine, 12 ins. diam. bears N. 56° E. 54 lks. dist. marked T. 30 S., R. 5 W., S. 16, B. T.
	An aspen, 6 ins. diam. bears S. 40° 45' E. 79 lks. dist. marked T. 30 S., R. 5 W., S. 21, B. T.
	A pine, 10 ins. diam. bears S. 26° W. 1.09 chs. dist. marked. T. 30 S., R. 5 W., S. 20, B. T.
	Land, rolling.
	Soil, stony loam. 3rd Rate.
	Timber aspen and pine.
	Heavily timbered 80.00 chs.
	July 24, 1900
	July 25: At 7 A.M., l.m.t. we set off 38° 12' W on the lat. arc: 19° 43' N. on the decl. arc: and determine a true meridian with the Solar, at the cor. of secs. 16, 17, 20 and 21.
	Thence we run
	S. 89° 59' E. on a random line bet. secs. 16 and 21.
40.00	Set temp. ¼ sec. cor.
80.00	Intersect N. and S. line, 3 lks. S. of cor. of secs. 15, 16, 21 and 22.
	Thence we run
	W. on a true line bet. secs. 16 and 21.
	Over rolling land, descending through dense pine and aspen timber.
29.00	Ravine, 500 ft. deep, Course N. W.

Subdivision of T. 30 S. R. 5 W. Cor.

Chains	
40.00	Set a trachyte stone 24 x 20 x 10 ins. 18 ins. in the ground, for ¼ sec. cor. marked ¼ S. 16. on N. and 21. on S. faces: and from which. A pine, 22 ins. diam. bears N. 20° E. 65 lks. dist. marked ¼ S. 16. B. T. A pine, 8 ins. diam. bears S. 45 E. 15 lks. dist. marked ¼ S. 21. B. T.
59.50	Top of ridge. bears N. W. and S. E.
80.00	The cor. of secs. 16, 17, 20 and 21. Land. mountainous Soil, stony loam. 3rd Rate. Timber. aspen and pine Heavily timbered or mountainous land 80.00 chs.
	N. 0° 3' W. bet. secs. 16 and 17. Over rolling land, ascending through dense pine and aspen timber.
7.50	Dry run, Course S. W.
21.85	Top of ridge bears E. and W. Begin descent along E. slope of ridge
40.00	Set a quartzite stone 14 x 10 x 8 ins. 10 ins. in the ground, for ¼ sec. cor. marked ¼ S. 17 on W. and 16 on E. faces: from which A pine, 6 ins. diam. bears S. 15° E. 19 lks. dist. marked ¼ S. 16. B. T. A pine, 5 ins. diam. bears W. 36 lks. dist. marked ¼ S. 17. B. T. Ascend.
54.50	Top of Spur, projects E.
80.00	Set a quartzite stone 14 x 12 x 8 ins. 10 ins. in the ground, for cor. of secs. 8, 9, 16 and 17. marked with 4 notches on S. and 4 notches on E. edges: from which

Subdivision of T. 30 S. R. 5 W. Continued.

Chains	
	On aspen, 2 ins. diam. bears N. 21° W. 23 lks. dist. marked T. 30 S. R. 5 W. S. 8 B. T.
	A. aspen, 7 ins. diam. bears N. 62 E. 12 lks. dist. marked T. 30 S. R. 5 W. S. 9 B. T.
	A. pine, 8 ins. diam. bears S. 68° W. 9 lks. dist. marked T. 30 S. R. 5 W. S. 16 B. T.
	A. pine, 9 ins. diam. bears S. 46° 30' W. 30 lks. dist. marked T. 30 S. R. 5 W. S. 17 B. T.
	Soil, stony loam. 3rd Rate
	Land rolling
	Timber aspen and pine.
	Heavily timbered 80.00 chs.
	July 25; At this Cor. we set off 19° 39' E. on the decl. arc: and at 0h 6m p. m. L. M. T. observe the Sun. on the meridian the resulting Lat. is 38° 13' N
	E. on a random line bet. Secs. 9 and 16.
40.00	Set a temp. ¼ Sec. Cor.
80.00	Intersect N. and S. line. at cor. of Secs. 9, 10, 15 and 16
	Thence we run W. on a true line. bet. Secs. 9 and 16.
	Over rolling land, descending through dense pine and aspen timber.
3.50	Top of ridge, bears N. W. and S. E.
40.00	Set a stachytest 3 × 9 × 6 ins. 9 ins.

Subdivision of T. 30 S. R 5 W. Cont

Chains	
	in the ground, for ¼ sec. cor. marked ¼ S. 9 on the N. and 16 on S. faces: from which A 4 aspen, 3 ins. diam. bears N. 45° W. 20 lks. dist. marked ¼ S. 9. B.T. A 4 aspen, 4 ins. diam. bears S. 20° E. 25 lks. dist. marked ¼ S. 16. B.T.
59.25	Leave timber, bears N.W. and S.E. enter bottom land.
64.00	South fork of Beaver Creek 8 lks. wide; pure water, 10 ins. deep. Course N. W. 400 ft. below cor. of secs. 9, 10, 15 and 16. Begin ascent.
66.75	Leave bottom land, enter heavy Aspen and pine timber bears N.W. and S.E.
75.00	Top of Spur, projects — N.
80.00	The cor. of Secs. 8, 9, 16 and 17. Land mountainous. Soil Loam. 2nd and 3rd Rate Timber aspen and pine. Heavily timbered or mountainous land. 80.00 chs.
	N 0° 3' W. bet. secs. 8 and 9. Ascend through heavy aspen and pine
5.00	Begin descent.
10.15	Enter bottom land, leave heavy timber, bears NE. and S.W.
10.45	Spring branch course N.E. 1 lk. wide.
14.25	Leave bottoms, enter heavy aspen timber, bears NE. and S.W.
18.68	Top of Spur, projects — E.
23.16	South fork of Beaver Creek, 8 lks. wide, 10 ins. deep, pure water,

Chains	
	Course N. 20° W.
	350 ft. below cor. of Secs. 8, 9, 16 and 17.
	Leave heavy timber bears
	N. 20° W. enter bottom land.
35.38	Leave bottom land, enter
	heavy aspen and pine timber.
	bears N. W. and S. E.
40.00	Set a stone 16 x 8 x 7 ins. 10 ins.
	in the ground, for ¼ sec. cor.,
	marked ¼ S. 8 on W. and 9 on
	E. faces: from which
	Q aspen, 7 ins. diam. bears N. 38° W.
	50 lks. dist. marked ¼ S. 8. B. T.
	Q pine, 11 ins. diam. bears S. 30° E.
	50 lks. dist. marked ¼ S. 9. B. T.
48.90	Spring branch. Course W. 1 lk. wide,
56.85	South fork of Beaver Creek, 8 lks.
	wide, flows north, 10 ins. deep.
	Course N. 10 E.
72.80	Spring branch. Course E. 1 lk. wide.
80.00	Set a stone 13 x 12 x 7 ins. 5 ins.
	in the ground, for cor. of Secs.
	4, 5, 8 and 9. marked with 5 notches
	on S. and 4 on E. edges:
	from which
	Q aspen, 3 ins. diam. bears N. 30 W.
	22 lks. dist. marked
	T. 30 S. R. 5 W. S. 5 B. T.
	Q aspen, 4 ins. diam. bears N. 12° E.
	10 lks. dist. marked
	T. 30 S. R. 5 W. S. 4. B. T.
	Q aspen, 2½ ins. diam. bears S. 10° E.
	20 lks. dist. marked
	T. 30 S. R. 5 W. S. 9. B. T.
	Q aspen, 3 ins. diam. bears S. 40° W.
	20 lks. dist. marked
	T. 30 S. R. 5 W. S. 8. B. T.
	Land, mountainous and rolling
	Soil, stony loam 2nd & 3rd Rate
	Timber, aspen and pine.

Chains	
	Heavily timbered or mountainous land 80.00 lks.
	E. on a random line bet. secs. 4 and 9.
40.00	Set temp. ¼ sec. cor.
80.06	Intersect N. and S. line, 5 lks. S. of cor. of secs. 3. 4. 9 and 10. Thence we run S. 89° 58' W. on a true line. bet. secs. 4 and 9.
	Over rolling land, gently ascending through dense. artimesia.
5.75	Enter heavy cespen and pine timber bears N. and S.
40.03	Set a trachyte stone 4 x 10 x 5 ins. 9 ins. in the ground, for ¼ sec. cor. marked ¼ S. 4 on N. face, and 9 on S. faces: from which Q. aspen, 8 ins. diam. bears N. 14 E. 7 lks. dist. marked ¼ S. 4. B. T. Q. aspen, 6 ins. diam. bears S. 12 lks. dist. marked ¼ S. 9. B. T.
45.00	Top of ridge, bears SE and NW. Begin descent.
73.00	South fork of Beaver Creek. 10 lks. wide. 10 ins. deep. pure water. Course N. ascent through heavy aspen
80.06	The cor. of secs. 4. 5. 8 and 9. Land, rolling. Soil loam 2nd Rate Timber. aspen and pine. Some undergrowth or heavily timbered. 80.06 lks.

July 25, 1900

Subdivision of T. 30 S. R. 5 W. Continued

Chains	
	July 26: At 7 a.m. l.m.t. we set off 38°14'N on the lat arc: 19°30'N. on the decl. arc: and determine a true meridian with the solar, at the cor. of secs. 4, 5, 8 and 9.
	N. 0°3' W. on a random line bet. secs. 4 and 5.
40.00	Set temp. ¼ sec. cor.
83.00	Intersect N. bdy. of Tp. at cor. of secs. 4, 5, 32 and 33. heretofor described.
	Thence we run
	S. 0°3' E on a true line. bet. secs. 4 and 5.
	Over broken land, descending through heavy aspen timber
32.00	Top of spur projects W.
43.00	Set a quartzite stone 3 x 8 x 6 ins. 8 ins. in the ground, for ¼ sec. cor. marked ¼ S. 5 on W. and 4 on E. faces: from which
	An aspen, 6 ins. diam. bears S. 30° W. 9 lks. dist. marked ¼ S. 5. B. T.
	An aspen, 8 ins. diam. bears N. 10 lks. dist. marked ¼ S. 4. B. T.
48.25	Spring branch course S.W. 1 lk. wide,
52.20	South fork of Beaver Creek 10 lks. wide pure water, 10 ins. deep. Course N. 20° W.
	300 ft. below cor. of secs. 4, 5, 8 and 9. Begin ascent along west bank of Beaver Canon.
66.00	Top of spur, projects E.
73.80	Spring branch, Course E. 2 lks. wide.
83.00	The cor. of secs. 4, 5, 8 and 9.
	Land: broken and mountainous
	Soil stony and loam. 2nd and 3rd Rate
	Timber, aspen.
	Heavily timbered and mountainous land. 83.00 chs.

Subdivision of T. 30 S., R. 5 W. Continued.

Chains	
	From the Standard Cor. of Secs. 31 and 32 on the S. boly of the Tp. heretofor described N. 0° 3' W. bet. Secs. 31 and 32. Over rolling land, descending through heavy aspen and pine.
40.00	Set a trachyte stone 6 x 10 x 4 ins. 11 ins. in the ground, for ¼ Sec. Cor. marked ¼ S. 31, on W. and 32 on E. faces: from which A¼ aspen 6 ins. diam. bears N. 15° E. 14 lks. dist. marked ¼ S. 32. B.T. A¼ aspen, 5 ins. diam. bears N. 34° W. 20 lks. dist. marked ¼ S. 31. B.T.
44.00	S. fork of South Creek, dry, and ravine 200 ft. deep, Course W.
56.00	Ravine 100 ft. deep. Course W. Leave heavy timber, begin ascent through dense artimesia, scrub oak, mahogany brush and scattering pine.
66.00	Top of ridge, bears E. and W. 200 ft. high, descend.
80.00	Set a trachyte stone 20 x 10 x 10 ins. 14 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 A pine, 6 ins. diam. bears N. 25° E. 16 lks. dist. marked T. 30 S., R. 5 W. S. 29. B.T. A aspen, 5 ins. diam. bears S 75° E. 20 lks. dist. marked T. 30 S., R. 5 W. S. 32. B.T. No other trees within limits. And raise a mound of stone 2 ft. base, 1½ ft. high. W. of Cor. Pits impracticable. Land, rolling. Soil, loam. 3rd Rate Timber, aspen and pine. Heavily timbered or dense undergrowth 80.00 chs.

Subdivision of T. 30 S. R. 5 W. Continued

Chains	
	July 26: At this cor. we set off 19°26' N. on the decl. arc: and at 0h 6m p. m., l. m. t., observe the sun on the meridian, the resulting lat. is 38°10' N.
	East on a random line, bet. secs. 29 and 32.
40.00	Set temp. ¼ sec. cor.
80.00	Intersect N. and S. line, at cor. of secs. 28, 29, 32 and 33. Thence we run West, on a true line, bet. secs. 29 and 32. Along the north slope of a ridge, bearing E. and W., through heavy aspen and pine timber.
40.00	Set a trachyte stone, 16×16×12 ins. 11 ins. in the ground, for ¼ sec. cor. marked ¼ S. 29, on N. and 32. on S. faces: from which A pine, 4 ins. diam., bears N. 20° W. 20 lks. dist. marked ¼ S. 29. B. T. An aspen, 6 ins. diam., bears S. 52° W. 14 lks. dist., marked ¼ S. 32. B. T.
57.00	Begin descent
80.00	The cor. of secs. 29, 30, 31 and 32. Land rolling. Soil, loam. 3rd Rate. Timber, aspen and pine. Heavily timbered 80.00 chs.
	Knowing from the resurvey of the east bdy. of T. 30 S., R. 6 W., the line bet. bet. secs. 30 and 31, will not close within the limits, We run West on a true line, bet. secs. 30 and 31. Over rolling land, descend through

Chains	
	dense aspen and scattering pine timber.
30.00	Diam. 40 ft. deep, Course N. as cond.
35.25	Leave timber bears N. and S. enter dense timber, oak and mahogany.
40.00	Set a trachyte stone 18 x 10 x 4 ins. 12 ins. in the ground, for ¼ Sec. Cor., marked ¼ S. 30. on N., and 31. on S. faces: and raise a mound of stone, 2 ft. base, 1½ ft. high, N. of Cor. Pits impracticable.
89.98	Intersect west bdy. of the Tp., N. 1° 09' W. 7.89 chs. from Cor. of secs. 25 and 36, T. 30 S. R. 6 W. heretofore described. Set a trachyte stone, 12 x 9 x 5 ins. 8 ins. in the ground, for closing Cor. of secs. 30 and 31, marked C.C. on east face, with 1 groove on S. and 5 grooves on N. faces: from which An aspen, 5 ins. diam., bears N. 32° E. 51 lks. dist., marked T. 30 S., R. 5 W., S. 30, B. T. An aspen, 4 ins. diam., bears S. 12° E., 7 lks. dist., marked T. 30 S., R. 5 W. S. 31, B. T. Land rolling. Soil loam, 2nd and 3rd Rate. Timber aspen and pine. Dense undergrowth or heavily timbered.
	89.98 chs.
	July 26. 1900.
	July 27: At 7 A. M., I commenced set off 38° 10' W. on the Lat. arc: 19° 16' W. on the Dect. arc: and determine a true meridian with the Solar, at the Cor. of secs. 29, 30, 31 and 32. Thence we run N. 0° 3' W. bet. secs. 29 and 30. Over rolling land, descend through heavy aspen and pine timber.
28.50	Centre fork of South Creek, 5 lks.

Subdivision of T. 30 S. R. 5 W. Continued

Chains	
	wide, pine water, 6 ins. deep.
	Course W.
	Same timber bears E. and W.
	ascend over rocky soil through
	dense scrub oak and mahogany
	bush
40.00	Set a quartzite stone 6 x 12 x 4 ins. 9 ins.
	in the ground for ¼ Sec. Cor.
	marked ¼ S. 30 on W. and 29 on
	E. faces: and raise a mound
	of stone, 2 ft. base, 1½ ft. high.
	W. of Cor.
	Pits impracticable
43.50	Top of ridge, bears E. and W.
	Begin descent through
	scattering aspen and pine timber.
65.00	North fork of South Creek. 6 lks
	wide, pure water. 10 ins. deep.
	Course S. W.
	Begin ascent —
80.00	Set a trachyte stone 21 x 10 x 10 ins. 14
	ins. in the ground, for cor.
	of Secs. 19, 20, 29 and 30. marked
	with 2 notches on S. and 5
	notches on E. edges:
	from which
	An aspen, 5 ins. diam. bears
	N. 75° E. 14 lks. dist. marked
	T. 30 S. R. 5 W. S. 20. B. T.
	No other trees within limits
	And raise a mound of stone,
	2 ft. base, 1½ ft. high, W. of cor.
	Pits impracticable
	Land rolling.
	Soil stony and loam. 2nd and 3rd Rate
	Timber, aspen and pine.
	Dense undergrowth or
	heavily timbered. 80.00 lks.

Subdivision of T. 30 S. R. 5 W. Continued

Chains	
	C. on a random line bet. secs. 20 and 29.
40.00	Set temp. ¼ sec. Cor.
80.08	Intersect N. and S. line 9 lks. S. of Cor. of secs. 20, 21, 28 and 29. Thence run S. 89° 56' W. on a true line bet. Secs. 20 and 29. Over rolling land, descend through dense aspen timber.
9.00	Trachyte ledges 50 ft. high bear N and S.
36.00	North fork of South creek, 5 lks. wide, pure water, 8 ins. deep, Course S. W. 500 ft. below Cor. of Secs. 20, 21, 28 and 29. Begin ascent—
40.04	Set a trachyte stone 6 x 10 x 4 ins. 11 ins. in the ground, for ¼ sec. cor. marked ¼ S. 20, on N. and 29 on S. faces: from which A¼ aspen, 4 ins. diam. bears N. 15° E. 7 lks. dist. marked ¼ S. 20. B.T. A¼ aspen, 3 ins. diam. bears S. 5 lks dist. marked ¼ S. 29. B.T.
62.00	Top of ridge, bears N. and S. Begin descent through heavy aspen and scattering pine.
73.60	Enter marsh and willows, bears N. and S.
79.00	Leave marsh, bears N. and S.
80.08	The Cor. of Secs. 19, 20, 29 and 30. Land mountainous. Soil Stony and loam, 3rd and 4th Rate. Timber Aspen and pine. Heavily timbered or mountainous land. 80.08 chs.

Chains	
	Knowing from the resurvey of the east bdy. of T. 30 S., R. 6 W., the true line bet. Secs. 19 and 30, will not close within the limits, therefore run West, on a true line, bet. secs. 19 and 30:
	Ascend. through heavy aspen timber.
32.20	Top of ridge, bears N. E. and S. W. descend.
35.45	Leave timber, bears N. and S. on the dense undergrowth, oak and mahogany.
40.00	Set a trachyte stone, 14 x 10 x 10 ins. 9 ins. in the ground for ¼ sec. cor. marked ¼ S. 19. on N. and 30, on S. faces: and raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor. Pits impracticable.
60.00	Begin ascent.
82.00	Top of spur, projects S. descend.
91.46	Intersect W. bdy. of T/p. 9. 20 chs. N. 1° 09' W. from Cor. of secs. 24 and 25, T. 30 S., R. 6. W. heretofore described. Set a trachyte stone, 18 x 8 x 8 ins. 12 ins. in the ground, for Closing Cor. of secs. 19 and 30, marked C. C. on E. face, with 2 grooves on S., and 4 grooves on N. faces: and raise a mound of stone, 2 ft. base, 1½ ft. high, E. of cor. Pits impracticable.
	Land rolling.
	Soil, stony, clay and loam, 3rd and 4th Rate.
	Timber, aspen.
	Heavily timbered or dense undergrowth, 91.46 chs.
	July 27. At this Cor. we set off 19° 12' N. on the decl. arc: and at 0h. 6m. p. m. L. m. t. observe the sun on the meridian, the resulting lat. is 38° 11' N.

Chains	
	N. 0° 3' W. bet. secs. 19 and 20.
	Over rolling land, ascend through
	heavy aspen timber.
40.00	Set a trachyte stone, 12x10x6 ins. 8
	ins. in the ground, for ¼ sec. cor.
	marked ¼ S. 19. on W. and 20. on E. faces:
	from which
	An aspen, 7 ins. diam., bears N. 20° E.
	30 lks. dist. marked ¼ S. 20, B. T.
	An aspen, 4 ins. diam. bears N. 62° W, 47
	lks. dist., marked ¼ S. 19, B. T.
47.00	Top of ridge, 200 ft. high, bears N.E. and S.W.
	Enter scattering pine. Descend
57.00	Begin ascent.
64.48	Top of ridge, 300 ft. high, bears E. and W.
80.00	Set a trachyte stone 14x14x5 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:
	from which
	A pine, 20 ins. diam. bears N. 58° W. 90 lks
	dist., marked T. 30 S., R. 5 W., S. 18. B. T.
	No other trees within limits.
	And raise a mound of stone, 2 ft.
	base, 1½ ft. high, W. of cor.
	Pits impracticable.
	Land rolling.
	Soil, clay and loam, 3rd Rate.
	Timber, aspen and pine.
	Heavily timbered 80.00 chs.
	N. 89° 56' E. on a random line,
	bet. secs. 17 and 20.
40.00	Set temp. ¼ sec. cor.
80.06	Intersect N. and S. line, 3 lks. N.
	of cor. of secs. 16, 17, 20 and 21.
	Thence we run
	S. 89° 57' W. on a true line,

Subdivision of T. 30 S., R. 5 W. Continued

Chains	
	bet. secs. 17 and 20
	Over rolling land, descend through heavy aspen and pine timber.
3.00	Dry run, Course S. ascend.
21.00	Quartzite ledges, 25 ft. high, bear N. and S.
29.00	Top of ridge, bears N.E. and S.W. descend.
40.03	Set a quartzite stone 15×9×6 ins., 10 ins. in the ground, for ¼ sec. cor. marked ¼ S. 17. on N. and 20, on S. faces: from which
	A pine, 8 ins. diam., bears N. 18° W. 76 lks. dist. marked ¼ S. 17, B. T.
	An aspen, 3 ins. diam., bears S. 25° E. 14 lks. dist., marked ¼ S. 20, B. T.
80.06	The corner of secs. 17, 18, 19 & 20
	Land rolling.
	Soil, clay and loam, 3rd Rate.
	Timber, aspen and pine.
	Heavily timbered 80.06 chs.
	July 27, 1900
	July 28: At 8 A.M., l.m.t. we set off 38°12' N. on the lat. arc: 19°01' N. on the decl. arc: and determine a true meridian with the solar at the Cor. of secs: 17, 18, 19 and 20.
	Knowing from the resurvey of the Eastbdy. of T. 30 S., R. 6 W. the line bet. secs. 18 and 19 will not close within the limits, therefore we run West on a true line, bet. secs. 18 and 19.
	Descend through heavy pine timber.
33.00	Draw, 50 ft. deep, drains S.W. ascend
	Leave pine, bears S.W. and N.E. enter aspen timber.
40.00	Set a trachyte stone, 24×15×15 ins. 18 ins. in the ground, for ¼ sec. cor. marked ¼ S. 18. on N. and 19. on S. faces: from which
	An aspen, 4 ins. diam., bears S. 15° E., 4

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Subdivision of T. 30 S. R. 5 W. Con't

Chains	
	Lks. dist. marked ¼ S. 18. 23 T. On aspen. 4 ins. diam. bears N. 10° E. 9 lks. dist. marked ¼ S. 18. 23 T.
65.00	Top of ridge, bears S. W. and N. E. descend over stony land, leave timber bears S. W. and N. E. enter dense undergrowth.
87.10	Twist Creek, 3 lks. wide, fine water, 4 ins. deep. Course S. W. ascend.
93.00	Intersect west bdy. of Tp. 10.50 chs. N. 1°09' W. from cor. of secs. 13 and 24, T. 30 S., R. 6 W. heretofore described. Set a trachyte stone 18x10x8 ins. 12 ins. in the ground, for closing cor. of secs. 18 and 19, marked C.C. on E. face, with 3 grooves on S. and N. faces: and raise a mound of stone, 2 ft. base, 1½ ft. high, E. of cor. Pits impracticable. Land rolling. Soil, adobe, clay and loam, 3rd and 4th Rate Timber, aspen and pine. Heavily timbered or dense undergrowth, 93.00 chs.
	N. 0°3' W. bet. secs. 17 and 18. Land rolling, land, through scattering pine and fallen dead timber descend.
1.50	Leave timber bears E. and W. enter flat.
11.50	Leave flat. bears E. and W. Begin slight ascent, over rocky soil, through dense undergrowth and scattering aspen timber.

Subdivision of T. 30 S. R. 5 W. Continued

Chains	
25.16	Top of Spur, projects W.
	Begin descent along W.
	Slope of ridge bears N. and S.
40.00	Set a trachyte stone 15 x 14 x 12 ins. 10 ins. in the ground for ¼ sec. Cor. marked ¼ S. 18 on W. and 17 on E. faces: from which
	An aspen, 4 ins diam. bears S. 45 W. 25 lks. dist. marked ¼ S. 18 B. T.
	No other suitable tree within limits.
	and raise a mound of stone 2 ft. base. 1½ ft. high. W. of Cor. Pits impracticable.
	Enter scattering pine and spruce, timber
80.00	Set a trachyte stone 8 x 15 x 6 ins. 12 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 spruce, 14 ins. diam. bears N. 12 lks. dist. marked T. 30 S., R. 5 W. S. 7. S 8. B. T.
	No other trees of sufficient diameter within limits.
	and raise a mound of stone. 2 ft. base. 1½ ft. high. W. of Cor. Pits impracticable.
	Land, mountainous
	Soil, stony and loam, 3rd and 4th Rate.
	Timber, aspen, pine and spruce.
	Heavily timbered, dense undergrowth or mountainous land. 80.00 lks.
	July 28; At this Cor. we set off 18° 59' on the decl. arc: and at 0h 6m p.m. l.m.t. observe the

Subdivision of T. 30 S. R. 5 W. Contin

Chains	Sun on the meridian the resulting lat. is 38° 13' N
	N. 89° 57' E. on a random line bet. Secs. 8 and 17.
40.00	Set temp. ¼ Sec. Cor.
80.08	Intersect W. and S. line, 5 lks. N. of Cor. of secs. 8, 9, 16 and 17. Thence we run S. 89° 59' W. bet. secs 8 and 17. on a true line.
	Our rolling land. ascend through heavy aspen timber
26.50	Spring branch, Course N, 1 lk. wide.
36.00	Enter dead and fallen timber heavy aspen. bears N.E. and S.W.
40.04	Set a Hachy stone 5 x 10 x 6 ins. 10 ins. in the ground, for ¼ Sec. Cor. marked ¼ S. 8, on N. and 17 on S. faces: and raise a mound of stone. 2 ft. base, 1½ ft. high. N. of Cor. Pits impracticable.
50.00	Spring branch, Course N.E. 1 lk. wide, Enter fallen and dead timber bears N.E. and S.W. Begin to ascend through heavy pine and Spruce timber.
73.00	Top of mountain ridge bears N. and S. 1000 ft. above Cor. of secs. 8, 9, 16 and 17. Begin descent—
80.08	The Cor. of secs. 7, 8, 17 and 18. Land mountainous. Soil, Stony Gy. loam. 3rd and 4th Rate Timber, Aspen, pine and Spruce, Heavily timbered or mountainous Land. 80.07 chs.

Subdivision of T. 30 S. R. 5 W. Continued

Chains	
	Knowing from resurvey of the East bdy. of T. 30 S. R. 6 W., the line bet. secs. 7 and 18, will not close within limits, therefore run
	West on a true line, bet. secs. 7 and 18. Over rolling land, descend through heavy aspen and pine timber.
24.50	Enter dead and fallen timber, bears N.W. and S.E.
40.00	Set a trachyte stone 16×14×12 ins. 11 ins. in the ground for ¼ sec. cor., marked ¼ S. 7, on N. and 18. on S. faces: and raise a mound of stone, 2 ft. base, 1½ ft. high, N. of Cor.
	Pits impracticable.
71.50	Leave dead timber, bears N.W. and S.E.
94.50	Intersect W. bdy. of Tp. 11.81 chs., N. 1° 09' W. of Cor. of secs. 12 and 13, T. 30 S. R. 6 W.
	Here set one described.
	Set a trachyte stone 18×10×6 ins. 12 ins. in the ground, for closing Cor. of secs. 7 and 18, marked C.C. on E. face, with 4 grooves on S. and 2 grooves on N. faces: from which
	An aspen, 4 ins. diam., bears N. 10° E. 12 lks. dist. marked T. 30 S. R. 5 W. S. 7. B. T.
	An aspen, 3 ins. diam., bears S. 35° E. 20 lks. dist. marked T. 30 S. R. 5 W. S. 18. B. T.
	800 ft. below Cor. of secs. 7, 8, 17 and 18.
	Land mountainous.
	Soil, clay and loam. 3rd Rate
	Timber, aspen and pine
	Mountainous land or heavily timbered.
	94.50 Chs.
	July 28, 1900.

July 29. At 7 A.M., L.M.T. we set off 38° 13' N. on the Lat. arc: 18° 48' N. on the Decl. arc: and determine a true meridian with the Solar, at the Cor. of secs. 7, 8, 17 and 18.

Chains	
	Thence run N. 0° 3' W. bet. secs. 7 and 8. Over rolling land, ascend along the west slope of mountain ridge, through bldy aspen and pine timber.
40.00	Set a trachyte stone, 20x15x10 ins., 15 ins. in the ground, for ¼ sec. Cor. marked ¼ S. 7, on W. and 8 on E. faces: from which a pine, 12 ins. diam., bears S. 80° E., 30 lks. dist. marked ¼ S. 8. B. T. a pine, 10 ins. diam., bears N. 70° W. 65 lks. dist. marked ¼ S. 7, B. T.
50.00	Top of mountain ridge: bears N.W. and S.E. Descend over stony soil. along E. slope of ridge.
60.00	Leave timber, bears N.W. and S.E.
71.00	Top of trachyte ledges, 200 ft. high bear E. and W. Set a trachyte stone, 12x12x10 ins., 8 ins. in the ground for witness Cor. to secs. 5, 6, 7 and 8, marked W. C. on N.E. face: and 5 notches on S. and E. edges: and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of Cor. Pits impracticable.
78.00	Foot of trachyte ledges, bear E. and W., descend over disintegrated rock.
80.00	Set a trachyte stone, 12x12x10 ins.: 8 ins. in the ground, for cor. of secs. 5, 6, 7 and 8. marked with 5 notches on the S. and E. edges: and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of Cor. Pits impracticable. The point where this Cor. was

Chains	
	set is subject to slides, therefor a witness cor. was set 9 chs. S. 0° 3' E. Land mountainous. Soil, clay and stony, 3rd and 4th Rate. Timber, aspen and pine. Heavily timbered mountainous land 80.00 chs.
	N. 89° 59' E. on a random line, bet. Secs. 5 and 8.
40.00	Set limestone ¼ sec. cor.
80.09	Intersect N. and S. line, 3 lks. S. of cor. of Secs. 4, 5, 8 and 9. Thence run S. 89° 58' W. on a true line, bet. Secs. 5 and 8: Over rolling land, ascend through heavy aspen and scattering pine timber.
9.00	Spring branch, 1 lk. wide, Course N. E.
13.00	Enter cleared and fallen timber, bears N. and S.
20.00	Leave dead timber, enter heavy aspen and scattering pine timber, bears N. and S.
40.04½	Set a trachyte stone, 16 x 10 x 4 ins. 11 ins. in the ground, for ¼ sec. Cor. marked ¼ S. 5, on N. and E. on S. faces: from which An aspen, 4 ins. diam., bears N. 25° W. 18 lks. dist. marked ¼ S. 5 B. T. An aspen, 4 ins. diam., bears S. 6 lks. dist., marked ¼ S. 8, B. T.
62.25	Leave timber, bears N. and S. begin steep ascent over disintegrated rock.
80.09	The cor. of Secs. 5, 6, 7 and 8, witnessed 9 chs. S. This cor. is 900 ft. above Cor. of Secs. 4, 5, 8 and 9. Land mountainous. Soil, stony and loam, 3rd and 4th Rate. Timber, aspen and pine.

Subdivision of T. 30 S. R. 5 W. Contin.

Chains	
	Heavily timbered or mountainous land 80.09 chs.
	July 29: At this cor. we set off 18°45' N. on decl. arc: and at 0h 6m p. M. l. m. t. observe the sun on the meridian, the resulting lat. is 38°14' N.
	Knowing from resurvey of the East bdy. of T. 30 S. R. 6 W., the line bet. secs. 6 and 7, will not close within limits. Therefore we run West on a true line, bet. secs. 6 and 7. Begin steep ascent, over disintegrated rock and trachyte ledges.
11.00	Enter scattering aspen and pine timber leave ledges.
25.00	Top of mountain ridge, bears N.W. & S.E. descend.
40.00	Set a trachyte stone, 15 x 9 x 6 ins. 10 ins. in the ground, for ¼ sec. cor., marked ¼ S. 6 on N. and 7, on S. faces: and raise a mound of stone, 2 ft. base, 1½ ft. high. N. of cor. Pits impracticable.
96.00	Intersect W. bdy. of Tp. 13.11 chs. N. 1° 09' W. of cor. of secs. 1 and 12, T. 30 S. R. 6 W. heretofore described. Set a trachyte stone, 18 x 15 x 12 ins. 12 ins. in the ground, for closing corner of secs. 6 and 7, marked C. C. on the east face, with 5 grooves on the S. and 1 groove on the N. faces: and raise a mound of stone, 2 ft. base, 1½ ft. high. E. of cor. Pits impracticable. This corner is 800 ft. below the cor. of secs. 5, 6, 7 and 8.

Subdivision of T. 30 S. R. 5 W. Continued

Chains	
	Land mountainous.
	Soil Stony, Clay and loam. 3rd and 4th Rate.
	Timber aspen and pine.
	Mountainous land 96.00 chs.
	N. 0° 3' W. bet. secs. 5 and 6. on a random line.
40.00	Set temp. ¼ sec. cor.
65.75	South bank of Kent's reservoir. Shore line bears E. and W. To pass reservoir, we offset as follows: West 8.50 chs.: then on the offset line, N. 0° 3' W. 4.25 chs. then East 8.50 chs. to the random line, on which at
83.06	Intersect N. bdy. of Tp. at cor. of secs. 5, 6, 31 and 32. Heretofore described. Thence we run S. 0° 3' E. on a true line bet. secs. 5 and 6. Over rolling land, descend through dense aspen timber.
13.00	North bank of Kent's reservoir. Shore line bears E and W. Area of reservoir 3 acres, pure water. Thence offset West 8.50 chs.: then run on offset line S. 0° 3' E.: 4.25 chs.: then offset east 8.50 chs. to true line, making
17.25	South bank of Kent's reservoir. Shore line bears E and W. Begin ascent through dense aspen and pine timber.
43.06	Set a trachyte stone 6 x 10 x 4 ins. 11

Subdivision of T. 30 S. R. 5 W. Cont'd

	ins. in the ground for ¼ sec. cor. marked ¼ S. 6 on W. and 5 on E. faces: from which a pine, 7 ins. diam. bears N. 85° E. 9 lks. dist. marked ¼ S. 5. B. T. a pine, 7 ins. diam. bears N. 70° W. 11 lks. dist. marked ¼ S. 6. B. T.
63.00	Lease timber, bears E. and W.
	Begin steep ascent over rocky soil.
93.06	The cor. of Secs. 5. 6. 7 and 8. witnessed 9.00 chs. S. This cor. is 900 ft. above Cor. of Secs. 5, 6, 30 and 31, on N. bdy. of Tp.
	Land mountainous
	Soil Stony and loam. 3rd and 4th Rate.
	Timber aspen and pine.
	Mountainous land. 93.06 chs.
	July 29, 1900

General Description

This township is situated on the Southern extremity of the Tushar mountains, and is all mountainous land, the altitude ranging from about 7500 to about 9500 ft. above sea level.

The soil ranges from loam on the bottoms to rock on the high ridges and along Canons, and is unsuitable for agricultural purposes. With the exception of several bottoms and flats the mountain is covered with a dense growth of Aspen

General Description of T. 33 S. R. 5 W. Continued.

pine and Spruce timber in the higher altitude and cedar and pinion in the lower altitudes & rich growth of nutritious grasses are found where the land is not heavily timbered, making the township an excellent stock range.

The township is watered by numerous small Springs along the Sevier: along which the Beaver, South Birch and Baron Creek, creeks have their source.

Hunt's reservoir, owned by a few citizens of Beaver City, used in irrigating land about 15 miles north west, is situated in N. W. ¼ Sec. 5 and N. E. ¼ Sec. 6.

There are no indications of mineral in this Tp.

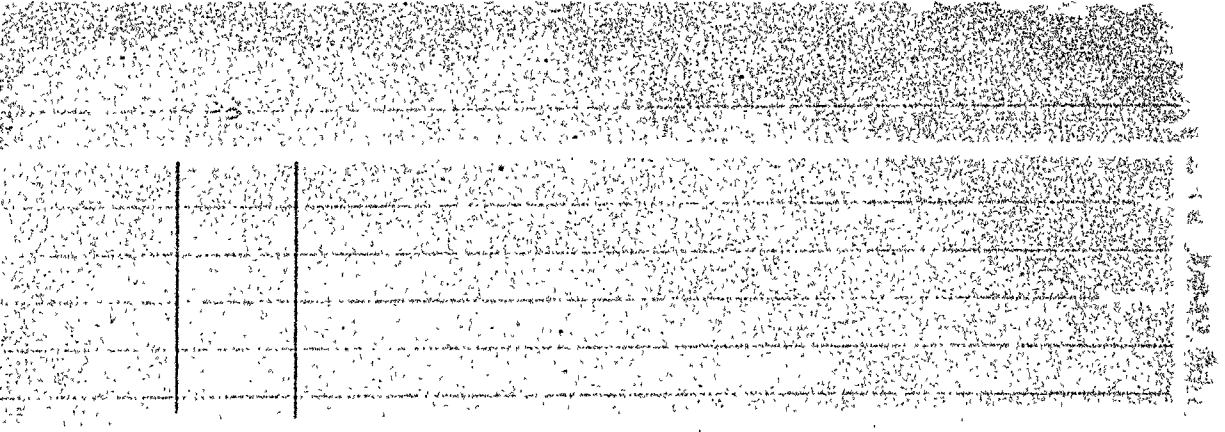
There are no settlers in this Tp.

The marsh in Sec. 16. is approximately located, not being visible from any point on line.

Hubert D. Page
Harry Erwin.
U.S. Deputy Surveyors.

There being no notary public or other officer authorized to administer oaths within reasonable distance of the beginning or ending of the survey, in order to save time and expense I administered the preliminary and final oath myself

Hubert D. Page
U.S. Deputy 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.

.....

.....

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FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, Harry Erwin, United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from Jacob B. Blair United States Surveyor General for Utah, bearing date of the 24th day of November, 1899, I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for Utah, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of The subdivision of Township 30 S., Ranges 4 & 5 W.

of the Salt Lake base and meridian, in the State of Utah, 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 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.

Harry Erwin
United States Deputy Surveyor.

Subscribed by said Harry Erwin, and sworn to before me this 25th day of May 1901, 189

Edward M. Anderson
U. S. Surveyor General for Utah

SEAL

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

, 189

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 the 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.

6—151

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by Hubert D Page and Harry Erwin, United States Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the survey of the subdivisions of Townships 2 S. of S.L.B.&M. Ranges 4 & 5 W. of the Salt Lake Base & Meridian Utah showing the respective capacities in which they acted:

Harvey D Field — George N. Stevens, Chainman.
Lewis S. Miller — Wallace Isbell, Chainman.
Newark S Dawson, Moundman.
Haven Burton, Moundman.
Newark S. Dawson, Axman.
Haven Burton, Axman.
Haven Burton, Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted Hubert D Page and Harry Erwin, United States Deputy Surveyor, in surveying all those parts or portions of the subdivisions of Townships 2 S. of S.L.B. Ranges 4 & 5 W. of the Salt Lake meridian, in the State of Utah, 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 Utah

Harvey D Field — George N. Stevens, Chainman.
Lewis S. Miller — Wallace Isbell, Chainman.
Newark S Dawson, Moundman.
Haven Burton, Moundman.
Newark S Dawson, Axman.
Haven Burton, Axman.
Haven Burton, Flagman.

Subscribed and sworn to before me this 20th day of September, 1900.

SEAL

Hubert D. Page
U.S. Deputy Surveyor

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FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, Hubert D Page, United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from Jacob B Blair United States Surveyor General for Utah, bearing date of the 24th day of November, 1899, I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for Utah, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of the subdivision of Townships 30 S, Rs. 4 & 5 W.

of the Salt Lake base and meridian, in the State of Utah, 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 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.

Hubert D Page
United States Deputy Surveyor

Subscribed by said Hubert D Page, and sworn to before me this 25th day of May 1901, ~~No~~

Edward H Anderson
U. S. Surveyor General for Utah

SEAL

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, June 3 1902, ~~No~~

The foregoing field notes of the survey of the subdivisions of Township 30 South Range 5 West of the Salt Lake Base and Meridian, Utah

executed by Hubert D Page and Harry Erwin under ~~his~~ their 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 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 office.

United States Surveyor

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4—679.

I.

BOOK A-287

H.J.B.

FIELD NOTES

OF THE SURVEY OF THE

North & East
boundaries
of
Township No. 29 South.
Range No. 5 West.

Of the Salt Lake Base and Meridian,
In the State of Utah

AS SURVEYED BY

Hubert D Page & Harry Ewing, United States Deputy Surveyor,

Under his Contract No. 232, dated November 24th, 1899

Survey commenced July 30th 1900

Survey completed August 4th 1900

6—151

M. Chs. Lks.
E. Bdry. high 5-76-12 ✓
N. " " 6-05-32 ✓

NAMES AND DUTIES OF ASSISTANTS.

Harvey D. Hirst Chairman

George H. Stevens "

Lewis S. Miller "

Wallace Isbell "

Newark S. Hawson, Mounding

Haven Burton, "

Newark S. Hawson, Arman

Haven Burton, "

Haven Burton Flagman

For preliminary affidavit see book D. Jp. 305 R4 W.

BOOK A-287

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 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

_____

_____, *Cha*

_____, *Cha*

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 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 [illegible] 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 tru[illegible] perform the duties of flagman according to instructions given me, to the best of my skill and ability, in t[illegible] survey of _____

_____, *Flag*

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

_____

SEAL

_____

East bdy. of T. 29 S., R. 5 W.

Survey Commenced.
July 30th 1900
and executed with a W. & L. E. Gurley light mountain transit
No. 1 with solar attachment
the horizontal limb is
provided with two double
verniers placed opposite to
each other reading to single
minutes of arc, which is also
the least count of the verniers
of the latitude and declination
arcs.

The instrument was
examined, tested on the true
Meridian at Salt Lake City,
found correct and was
approved by the Surveyor
General for Utah.
June 16th 1900

I re-examined the
adjustments of the transit
and find them correct.
then, to test the solar appar-
atus, by comparing its
indications resulting from
solar observations made
during a. m. and P. M. hrs.
with a true meridian
determined by observation
on Polaris.

I proceed as follows:
July 29th 1900
At a point 5 chs.
South of the cor. of T. 29 S. and
30 S., Rs. 4 and 5 W.
Lat. 38° 14' 43" N. Long. 112° 23' 36" W.
Established by me.
July 11th, 1900.

East bdy. of T. 29 S., R. 5 W. continued

At 5 p.m. l. m. t., We set off 38°15' N on lat. arc; 18°43' N. on decl. arc; and determine with the solar a true meridian and mark a point thereof on a stone set firmly in the ground 5 chs. N. of our station.

At 10h 58m p.m. l. m. t., We observe Polaris at eastern elongation in accordance with manual of instructions and mark a point on the line thus determined by a plug driven in the ground 5 chs. N. of our station.

July 30th

At 7. a. m. l. m. t. We set off the Azimuth of Polaris 1°33'5 to the West and mark the true meridian thus determined by cutting a small groove in the stone set July 29th on which the true meridian falls. 0.3 ins West of the mark determined by the solar.

At 7 h 10. m. am. l. m. t. We set off 38°15' N on lat. arc; 18°34' N. on decl. arc; and mark a point in the true meridian determined with the solar. by a cross on the stone already set. 5 chs. N. of our station, this mark falls. 0.3 ins West of the true meridian established

East bdy. of T. 29 S., R. 5 W. continued.

Chains.	
	by the Polaris observation the solar apparatus by p. m. and a. m. observations defines position for true meridians equal distance E and W, a true meridian established by Polaris observation thereon, We conclude the adjustments of the instrument are correct.
	The mag. bearing of the true meridian at 7 hrs 30 m. a. m. is N. 15° 5' W. the angle thus determined reduced by the table page 100, gives the mean mag. decl. 15° 45' E.
	From the cor. of Secs. 29 and 30 S. Rs. 4 and 5 W. Established by mes. July 11th, 1900
	Thence We run North on the E. bdy of T. bet. secs. 31 and 36. Ascending along the E. side of the Tushar Mountains. through dense aspen and pine
20.00	Ravine 150 ft deep. course N. E.
36.00	Spur projects S. E.
40.00	set a Trachyte 13 x 10 x 8 ins. 8 ins. in the ground for 1/4 sec. cor. marked 1/4 S. 36 on W. 31 on E. faces.
	From pine an aspen 3 ins. in.

East bdy. of T. 29 S., R. 5 W. continued

Chains	
	diam. bears N. 80° E. 5 lks. dist. marked 1/4 S. 31 B.T.
	an aspen 3 ins. in diam. bears N. 42° W. 7 lks. dist. marked 1/4 S. 36 B.T.
55.00	City Creek. 3 lks. wide 3 ins. deep pure water flows E. in Cañon 1000 ft deep.
80.00	Set a trachyte 18 x 16 x 12 ins. 12 ins in the ground for cor. of secs. 25, 30, 31 and 36. marked with 5 notches on the N. and 1 notch on the S. edges.
	From which an aspen 15 ins. in diam. bears N. 70° E. 16 lks. dist. marked T. 29 S., R. 4 W. S. 30 B.T.
	an aspen 6 ins. in diam. bears S. 85° E. 14 lks. dist. marked T. 29 S., R. 4 W. S. 31 B.T.
	an aspen 4 ins. in diam. bears S. 25° W. 30 lks. dist. marked T. 29 S. R. 5 W. S. 36. B.T.
	an aspen 20 ins. in diam. bears N. 23° W. 9 lks. dist. marked T. 29 S. R. 5 W. S. 25 B.T.
	Land. mountainous
	Soil, stony 3rd rate.
	Timber, aspen and pine.
	Mountainous land and heavily timbered 80.00 chs.
	North
	On the E. bdy. of Tp.
	bet. secs. 25 and 30.
	Ascending along the E. side of mountain, through heavy aspen and pine
17.50	Dry ravine
	100 ft. deep, course S. E.

East bdy. of T. 29 S., R. 5 W. continued

Chains	
40.00	Set a trachyte 12×10×6 ins. 8 ins. in the ground; for 1/4 sec. cor. Marked 1/4 S. 25 on W. 30 on E. faces. From which an aspen 2½ ins in diam bears N 45° E. 5 lks dist. marked 1/4 S. 30 B.T. An aspen 3 ins in diam. bears S. 80° W. 18 lks dist. marked 1/4 S. 25 B.T.
45.00	Spur projects E.
64.00	Leave timber, bears N.E. and S.W.
71.50	Enter timber bears N.E. and S.W.
80.00	Set a trachyte 13×12×4 ins. 8 ins. in the ground for cor. of secs. 19, 24, 25 and 30. marked with 4 notches on the N. and 2 notches on the S. edges. From which an aspen 8 ins. in diam. bears N. 85°30' E. 38 lks. dist. marked T. 29 S., R. 4 W. S. 19 B.T. An aspen 3 ins. in diam, bears S. 60° E. 26 lks. dist. marked T. 29 S. R. 4 W. S. 30 B.T. An aspen 7 ins. in diam. bears S. 4° W. 9 lks. dist. marked T. 29 S. R. 5 W. S. 25 B.T. An aspen 8 ins. in diam. bears N. 58° W. 12 lks. dist. marked T. 29 S., R. 5 W. S. 24 B.T. Land, mountainous Soil, stony, 3rd rate. Timber, heavy Aspen and pine. Mountainous land and heavily timbered. 80.00 chs.

July 31 at this cor. we set

East bdy. of T. 29 S., R. 5 W. continued

Chains	
	off 18°16' N on decl. arc; and at 0h 6m p.m. C. m.t., observe the sun on the meridian, the resulting lat. is 38°16' N
	North on E. bdy. of Tp. bet. secs. 19 and 24 ascending through heavy aspen and pine.
27.00	Top of Pushar Mountains Ridge and divide bears N.E. and S.W. descend through scattering pine and aspen
40.00	Set a trachyte stone 20 x 20 x 18 ins. 15 ins. in the ground, for 1/4 sec. Cor. marked 1/4 S. 24 on W. 19 on E. faces. From which an aspen 10 ins. in diam. bears S. 21° E. 2.10 chs. dist. marked 1/4 S. 19 B.T. No other suitable trees within limits. raise a mound of stone 2 ft. base 1 1/2 ft. high W. of Cor. Pits impracticable.
66.60	Cattle trail bears N.E. and S.W.
80.00	Set a trachyte stone 28 x 12 x 8 ins. 21 in earth and mound of stone. for cor. of secs. 13, 18, 19 and 24. marked with 3 notches on the S. and N. edges. raised a mound of stone 2 ft. base, 1 1/2 ft. high W. of Cor. Pits impracticable Land, mountainous Soil, stony 3rd rate Timber, aspen and pine.

East bdy. of T. 29 S., R. 5 W. continued.

Chains.	
	Mountainous land, 80.00 chs.
	North
	On the E. bdy. of T.
	bet. secs. 13 and 18.
	Descend.
36.00	Enter scattering pine
	bears E. and W.,
40.00	Falls on boulder 24 x 24 x 20 ins. above ground, for 1/4 sec. cor.
	marked 1/4 S. 13 on W. 18 on E. faces
	from which a pine 15 ins. in diam.
	bears N. 80° E. 44 lks. dist., marked
	1/4 S. 18 B.T.
	a pine 18 ins. in diam, bears
	S. 50° W. 58 lks dist. marked 1/4 S. 13
	B.T.
41.75	Center fork of Three Creek, 3 lks.
	wide 3 ins. deep, pure water
	flows W. in cañon 200 ft
	deep, ascend.
42.70	Spring branch 1 lk. wide.
	Course S. W.
51.00	Enter heavy pine and aspen
	timber, bears N. E. and S. W.
61.00	Leave heavy timber,
	enter scattering timber.
80.00	Set a trachyte stone 14 x 8 x 5 ins.
	10 ins. in the ground, for 1/4 cor.
	of secs. 7, 12, 13 and 18. marked with
	4 notches on the S. and 2 notches
	on the N. edges
	From which an aspen 6 ins. in
	diam. bears N. 0° 40' E. 1.81 chs. dist.
	marked T. 29 S., R. 4 W. S. 7. B.T.
	an aspen 4 ins. in diam. bears
	S. 62° W. 2.53 chs. dist. marked T. 29 S.
	R. 5 W. S. 18 B.T.

East bdy. of T. 29 S., R. 5 W. continued.

Chains.	
	an aspen 6 ins. in diam. bears N. 12° W. 1.70 chs dist. marked T. 29 S. R. 5 W. S. 12 B.T.
	No other suitable trees within proper limits,
	raised a mound of stone 2 ft. base, 1½ ft. high. W. of cor.
	Pits impracticable.
	Land, mountainous
	Soil, stony 3rd rate.
	Timber, aspen and pine.
	Mountainous land and heavily timbered 80.00 chs
	July 30th.
	August 1st
	At 7 a.m., l.m.t., We set off 38°18' N. on lat. arc; 18°05' N. on decl. arc; and determine a true meridian with the solar at the cor. of secs. 7, 12, 13 and 18.
	Thence We run
	North
	On E. bdy. of T. 29 S.
	bet. secs. 7 and 12.
	Ascending
2.00	Enter heavy aspen and pine bears N. E. and S. W.
24.00	Spur
	projects S. E.
30.75	Ridge
	bears N. E. and S. W. descend
40.00	set a trachy tree 15 × 9 × 8 ins. 10 ins. in the ground, for ¼ sec cor. marked ¼ S. 12 on W. 7 on E. faces. From which a pine 10 in in diam bears S. 80° E. 31 lks. dist. marked ¼ S. 7 B.T.
	a pine 3 ins. in diam, bears N. 53° W. 68 lks dist.

chains.	
	Marked 1/4 S., 2 B.T.
77.60	Trachyte ledge, 100 ft. high bears N.E. and S.W.
80.00	Set a trachyte 16 x 12 x 8 ins. 11 ins. in the ground, for cor. of secs. 1, 6, 7 and 12. Marked with 5 notches on the S. and 1 notch on the N. edges.
	From which an aspen 12 ins. in diam. bears N. 73° E. 2 lks dist. marked T. 29 S. R. 4 W. S. 6. B.T.
	an Aspen 5 ins. in diam. bears S. 50° E. 32 lks. dist. marked T. 29 S. R. 4 W. S. 7 B.T.
	an aspen 6 ins. in diam. bears S. 55° W. 23 lks dist. marked T. 29 S. R. 5 W. S. 12 B.T.
	an aspen 4 ins. in diam. bears N. 80° W. 11 lks. dist. Marked T. 29 S. R. 5 W. S. 1 B.T.
	Land, mountainous
	Soil, stony 3rd rate.
	Timber, heavy aspen and pine
	Mountainous land
	heavily timbered 80.00 chs.

North
On E. bdy. of T.
Sect. secs. 1 and 6.
Descending
through heavy aspen and pine.

7.80	Surface ditch course S. W.
14.00	Spring branch 1 lk wide 2 ins. deep course W.
24.50	Spring branch 3 lks wide 2 ins. deep course N. W.
33.55	South shore of Ruffer

East bdy. of T. 29 S., R. 5 W. continued.

Chains	
	Lake. Leave timber.
	set a trachyte stone 2 x 8 x 6 ins. 8 ins.
	in the ground for Meander Cor.
	of fract. secs. 1 and 6. Witness cor. to 1/4 sec.
	Marked M.C. on N
	with W.C. 1/4 S. 1.
	on the N. faces.
	Raised a mound of stone 2 ft.
	base, 1½ ft high S. of cor.
	Pits impracticable
	An Aspen 5 ins. in diam. bears
	S. 25° W., 46 lks dist. marked
	M.C. B.T.
	No other suitable trees within limits.
34.75	Edge of water.
40.00	1/4 sec. cor. falls in lake and is not set.
	To find the distance across the
	lake, I set a flag on line, on
	the North side of lake;
	then measure a base East.
	12. chs. to a point, from which
	the flag bears N. 46° W.;
	from the flag the E. end of the
	base bears S. 46° E.; therefore, the
	dist. is tan 44° x base, = or 0.96569 x
	12. = 11.59 chs. making the whole
	dist from Meander Cor.
	.704159 = 12.29 chs. which added
	to 33.55 makes.
45.84	On North shore of Pepper lake
	ascend
47.00	Set a trachyte stone 2 x 8 x 6 ins. 8 ins.
	in the ground for Meander
	Cor. of fract. secs. 1 and 6.
	Witness cor. to 1/4 sec. cor. Marked
	M.C. on S. with W.C. 1/4 S 1 on W.
	faces. Raised a mound
	of stone 2 ft. base, 1½ ft. high
	N. of cor. Pits impracticable.

East bdy. of T. 29 S., R. 5 W. concluded.

Chains	
54.00	Spur projects S. W. 300 ft above lake. enter scattering aspen and pine timber.
68.40	Spring branch 2 lks wide 3 ins. deep. course S. 5° W. Along branch
70.65	Leave branch course S 5° E.
80.00	Set temp. cor. for Ts. 28 and 29 S., Rs 4 and 5 W. August 1st 1900.
	August 4th 1900. Destroy temp. cor. of Ts. 28 and 29 S., Rs. 4 and 5 W. and on North boundary of T. 28, at point of intersection
76.12	Set a trachyte stone 24 x 19 x 12 ins. 18 ins in earth and mound of stone, for cor. of Ts. 28 and 29 S., Rs. 4 and 5 W. Marked with 6 notches on the N, E, S and W. edges. From which an aspen 8 ins. in diam bears N 16° E, 19 lks. dist. marked T. 28 S. R. 4 W. S. 31 B.T. a pine 14 ins. in diam, bears S. 89° E. 44 lks dist. marked T. 29 S. R. 4 W. S 6 B.T. a pine 5 ins. in diam. bears S. 35° W. 23 lks. dist. marked T. 29 S. R. 5 W. S. 1 B.T. a pine 7 ins. in diam. bears N. 58° W. 16 lks. dist. marked T. 28 S. R. 5 W. S 36. B.T. Land, mountainous Soil, stony 4th rate. Timber, aspen and pine. Mountainous land and heavily timbered 76.12 chs.

North bdy. of T. 29 S., R. 5 W.

Chains.	
	August 1st. We set off 18° 01' N. on decl. arc; and at 10h. 6m. p.m. l.m.t., observed the sun on the meridian the resulting lat. is 38° 26' N.
	At the cor. of Ts. 28 and 29 S., Rs. 4 and 5 W.
	Thence We run West on a random line along the N. bdy. of T. 29 S., setting temp. 1/4 sec. and sec. cors. at intervals of 40.00 chs. and at 48.37 chs. Intersect E. bdy. of T. 28 S. R. 6 W. 3.88 chs. N. of the cor. of Ts. 28 and 29 S., Rs. 5 and 6 W.
	This is beyond the limits of 24 minutes of arc. therefore We abandon our random line and begin at the cor. of Ts. 28 and 29 S., Rs. 5 and 6 W. which is a trachyte 8 x 8 x 6 ins above ground marked as described by the Surveyor General.
	August 3d. At 7 a.m. l.m.t., We set off 38° 26' N. on lat. arc; 17° 34' W. on decl. arc; and determine a true meridian with the polar, at the cor. of Tps. 28 and 29 S., Rs. 5 and 6 W.
	Thence We run East on N. bdy. of T. bet. secs. 6 and 31. Ascending the West side of mountain, through heavy aspen and pine timber
27.00	Rocky Spur projects N.
45.00	Dry run course N. W.

North bdy. of T. 29 S., R. 5 W. continued.

Chains.	
45.32	Set a trachyte 15 x 12 x 4 ins. 10 ins. in the ground, for 1/4 sec. cor. Marked 1/4 S. 31 on N. & on S. faces. From which an aspen 4 ins. in diam. bears N. 35° E. 17 lks. dist. marked 1/4 S. 31 B.T. an aspen 3 ins. in diam. bears S. 20° E. 10 lks. dist. marked 1/4 S. 6 B.T.
52.00	Spur, projects N
55.30	Dry run, course N.W.
67.00	Top of ridge and mountain 1200 ft. above sec. cor. bears N.E. and S.W. descend.
85.32	Set a trachyte 20 x 10 x 10 ins. in a mound of stone and earth, for cor. of secs. 5, 6, 31 and 32. Marked with 1 notch on the N. and 5 notches on the E. edges. From which an aspen 3 ins. in diam. bears N. 40° E. 38 lks. dist. marked T. 28 S., R. 5 W., S. 32 B.T.; an aspen 3 ins. in diam. bears S. 70° E. 25 lks. dist. marked T. 29 S., R. 5 W., S. 5 B.T. An aspen 4 ins. in diam. bears S. 75° W. 31 lks. dist. marked T. 29 S., R. 5 W., S. 6. B.T. an aspen 4 ins. in diam. bears N. 35° W. 41 lks. dist. marked T. 28 S., R. 5 W., S. 31 B.T. Land, mountainous. Soil, stony. 4th rate. Timber, aspen and pine. Mountainous land and heavily timbered 85.32 chs.

North bdy. of T. 29 S., R. 5 W. Continued

Chains	
	East on N. bdy. of T. bet. secs 5 & 32. Descending through heavy aspen & pine timber,
6.30	Ravine 500 ft. deep. Course S.
14.00	Spring branch 3 lks wide 2 ins. deep, flows S. 35° W.
25.30	Top of ridge, bears N. & S.
40.00	Set a trachyte 14 x 8 x 6 ins. 10 ins. in the ground, for 1/4 sec. cor. marked 1/4 S. 32 on N. & S. faces. From pit pick a pine 6 ins. in diam. bears N. 40° W. 16 lks. dist. marked 1/4 S. 32 B.T. an aspen 3 ins. in diam. bears S. 45° E. 17 lks. dist. marked 1/4 S. 5 B.T.
41.00	Ravine 400 ft. deep. Course S.
50.50	Ridge, bears N. & S.
74.30	Spring branch 3 lks wide 2 ins. deep. Course S. 75° E.
80.00	Set a trachyte 30 x 14 x 14 ins. 12 ins. in earth & mound of stone, for cor. of secs. 4, 5, 32 & 33. Marked with 4 notches on the E. and 2 notch on the W. edges. From pit pick an aspen 10 ins. in diam. bears N. 10° E. 30 lks. dist. marked T. 28 S., R. 5 W. S. 33. B.T. an aspen 5 ins. in diam. bears S. 85° E. 10 lks. dist. marked T. 29 S., R. 5 W. S. 4 B.T. An aspen 11 ins. in diam. bears S. 80° W. 15 lks. dist. Marked T. 29 S. R. 5 W. S. 5 B.T. An aspen 14 ins. in diam bears

North bdy. of T. 29 S., R. 5 W. continued.

Chains.	
	N. 45° W. 25 lks. dist.
	Marked T. 28 S., R. 5 W., S. 32 B. T.
	Land, mountainous.
	Soil, stony 3rd rate.
	Timber, heavy aspen and pine.
	Mountainous land
	heavily timbered 80.00 chs.
	August 3rd
	At this cor. We set off 17°30' W on decl. var.: and at 0 h 6 m p.m. l. m. t, observe the sun on the meridian, the resulting lat. is 38°20' N.
	East
	On N. bdy of T.
	bet. secs. 4 and 33.
	Descending.
	through dense Aspen and pine timber
29.00	West Fork of Beaver creek.
	2 lks wide 6 lks. deep. pure water flows S. W. in box Cañon 150 ft deep 170 ft wide.
	Enter scattering timber (dead)
40.00	Set a hacky tie 4 x 11 x 8 ins. 9 ins. in the ground, for 1/4 Sec. cor. Marked 1/4 S, 33 on N. and S. faces, raised a mound of stone 2 ft. base 1½ ft. high N. of Cor.
	Pits impracticable.
55.00	Ridge, bears N. and S.
	Descend through heavy timber, aspen and pine.
80.00	Set a hacky tie 13 x 11 x 7 ins. 8 ins. in the ground for cor. of secs. 3, 4, 33 and 34. marked with 3

North bdy. of T. 29 S., R. 5 W. continued.

Chains	
	Notches on the E. and W. edges. From which an aspen 3 ins. in diam. bears N. 39° E. 40 lks. dist. Marked T. 28 S., R. 5 W., S. 34 B.T. an aspen 5 ins. in diam. bears S. 40° E. 115 lks. dist. Marked T. 29 S., R. 5 W., S. 3. B.T. An aspen 7 ins. in diam. bears S. 30° W. 80 lks. dist. Marked T. 29 S., R. 5 W., S. 4 B.T. An aspen 7 ins. in diam. bears N. 39° W. 54 lks. dist. Marked T. 28 S., R. 5 W., S. 33. B.T.
	Land, mountainous
	Soil, stony 3rd rate.
	Timber, aspen and pine.
	Mountainous land 2nd heavily timbered. 80.00 chs
	East
	On N. bdy. of T.
	bet. secs. 33 and 34.
	Descending.
	through heavy aspen and pine timber
34.00	Spring branch 5 lks wide flows S. Ascend.
40.00	Set a trachyte 3 x 8 x 6 ins. 9 ins. in the ground for 1/4 sec. cor. Marked 1/4 S. 34 on N. 3 on S. faces. From which an aspen 3 ins. in diam. bears W. 1/4 W. 50 lks. dist. Marked 1/4 S. 34 B.T. an aspen 5 ins. in diam. bears S. 3° W. 13 lks dist. Marked 1/4 S. 3 B.T.
46.00	Spur projects, S. Ascend.

Chains.	
8.000	Set a trachyte 3 x 11 x 7 ins. 9 ins. in the ground, for cor. of secs. 2, 3, 34 and 35. Marked with 4 notches on the W. and 2 notches on the E. edges. From which an aspen 7 ins. in diam. bears N. 31° E. 14 lks. dist. marked T. 28 S., R. 5 W. S. 35 B.T. an aspen 5 ins. in diam. bears S. 80° E. 13 lks. dist. marked T. 29 S., R. 5 W. S. 2. B.T. an aspen 7 ins. in diam. bears S. 29° W. 10 lks. dist. marked T. 29 S., R. 5 W. S. 3 B.T. an aspen 7 ins. in diam. bears N. 50° W. 4 lks dist. marked T. 28 S. R. 5 W. S. 34 B.T. Land, mountainous Soil, stony 3rd rate. Timber, heavy aspen and pine. Mountainous land and heavily timbered 80.00 Chs. August 3rd
	August 4th At 7 a.m., L.M.T., We set off 38° 20' N. on Lat. arc; 17° 18' W. on decl. arc; and determine a true meridian with the polar at the cor. of secs. 2, 3, 34 and 35. Thence We run East On N. bdy. of T. Sct. secs. 2 and 35. Descending through heavy aspen and pine timber
8.75	Spring branch 3 lks wide flows S.

North bdy. of T. 29 S., R. 5 W. contin.

Chains.	
9.75	Road, to mill. bears N.E. and S.W.
10.20.	North fork of Beaver Creek 6 lks. wide, 4 ins. deep. flows S.W. in canon 200 ft. deep.
40.00	Set a trachyte 12 x 12 x 12 ins. 8 ins. in the ground for 1/4 sec. cor. marked 1/4 S. 35 on N. & on S. faces. From which an aspen 5 ins. in diam. bears N. 8° E. 12 lks. dist. marked 1/4 S. 35 B.T. an aspen 5 ins. in diam, bears S. 85° W. 6 lks. dist. marked 1/4 S. 2 B.T.
44.00	Ridge, bears N.E. and S.W.
65.00	Spring branch 1 lk. wide course S.W.
71.00	Spur, projects S.
80.00	Set a trachyte 20 x 14 x 10 ins. in a mound of stone, for cor. of secs. 1, 2, 35 and 36. marked with 1 notch on the E. and 5 notches on the W. edges. From which an aspen 3 ins. in diam bears N. 5° E. 6 lks. dist. marked T. 28 S., R. 5 W. S. 36. B.T. an aspen 3 ins. in diam. bears S. 75° E. 14 lks. dist. marked T. 29 S., R. 5 W. S. 1 B.T. an aspen 3 ins. in diam bears S. 80° W. 9 lks. dist. marked T. 29 S. R. 5 W. S. 2 B.T. an aspen 3 ins. in diam, bears N. 31° W. 18 lks. dist. marked T. 28 S. R. 5 W. S. 35 B.T. Land mountainous Soil, stony.

North bdy. of T. 29 S., R. 5 W. Continued.

Chains	
	Timber, aspen and pine. Mountainous land and heavily timbered 80.00 chs.
	East
	On N. bdy. of T.
	bet. secs. 1 and 36.
	Descend,
4.00	Spring branch 1 lk. wide flows S.
25.60	North fork of Three creek 4 lks. wide 3 ins. deep, pure water. flows S. in Canon 400 ft. deep. ascend.
40.00	Set a tracky stone 22 x 12 x 10 ins. in a mound of stone for 1/4 sec. cor. marked 1/4 S. 36 on N. 1 on S. faces. From which an aspen 7 ins. in diam. bears N. 45° E. 20 lks. dist. Marked 1/4 S. 36 B.T. an aspen 6 ins. in diam. bears S. 42° W. 23 lks. dist. Marked 1/4 S. 1 B.T.
54.50	Spur. on ridge projects S. and Ridge bears N and S. W. descend
74.50	Spring branch 1 lk. wide flows S.
75.00	Spring branch, 2 lks. wide flows S. 80° E.
79.00	Spring branch 1 lk. wide flows S. ascend.
80.00	Intersect E. bdy. of T. 388 chs. S. of the temp. cor. of Tps. 28 and 29 S. Rs. 4 and 5 W. Thence we set a permanent Cor. for Tps. 28 and 29 S. Rs. 4 and 5 W. For description see Notes of E. bdy. of T. this book.

North bdy. of T. 29 S., R. 5 W. concluded.

We destroy temp. cor.
Land, mountainous
Soil, stony. 3rd rate.
Timber, heavy aspen and pine.
Mountainous land and
heavily timbered 80.00 chs.
August 4th 1900.

Boundaries of T. 29 S., R. 5 W.

Latitudes, departures and closing errors.

Line designated	True bearing	Distance	Latitudes N.	Latitudes S.	Departures E.	Departures W.
S. bdy.	E.	494.28			494.28	
E. bdy.	N.	476.12	476.12			
N. bdy.	W.	485.32				485.32
W. bdy.	S.	213.98		213.98		
Fort Cammeron W. and S. Rec.	East	2.27			2.27	
"	S 2°30' W.	262.43		262.18		11.45
Convergency.					.57	
			476.12	476.16	497.12	496.77
				.12	96.77	
Error in Departure				.04	.35	

For general discription see Subdivisions.

Hubert D Page
Harry Erwin
U.S. Deputy Surveyors.

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by _____

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

_____

showing the respective capacities in which they acted:

_____, *Chainman.*

_____, *Chainman.*

_____, *Moundman.*

_____, *Moundman.*

_____, *Axman.*

_____, *Axman.*

_____, *Flagman.*

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted _____

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

_____

_____

_____

_____ of the _____

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

_____, *Chainman.*

_____, *Chainman.*

_____, *Moundman.*

_____, *Moundman.*

_____, *Axman.*

_____, *Axman.*

_____, *Flagman.*

_____

Subscribed and sworn to before me this _____

day of _____, 189

_____

SEAL

_____

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FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, ..., United States Deputy Surveyo 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 Surv General for ....., the Manual of Surveying Instructions, and the laws c 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 sol swear that all the corners of said survey have been established and perpetuated in strict accordance the Manual of Surveying Instructions, and the special written instructions of the United States Su 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 the penalty of perjury under the provisions of an Act of Congress approved August 8, 1846.

Final affidavit in book R. 1

.....

United States Deputy Su

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 June 3 1902, 1

The foregoing field notes of the survey of the North and East Bound in Township 29 South Range 5 West of the Salt Lake Base and Meridian, Utah

.....

.....

.....

.....

executed by Hubert S Page Ed Harry Erwin under ~~his~~ their contract No. 232, dated November 24, 1899, having b 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 Ge

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

6—151

4—629.

J.

BOOK A-287

FIELD NOTES

OF THE SURVEY OF THE

Subdivision

of

Township No. 29 South

Range No. 5 West

Of the Salt Lake Base and Meridian,

State of Utah

AS SURVEYED BY

Gilbert D Page and Harry Erwin, United States Deputy Surveyor,

Under his Contract No. 232, dated November 24th 1899

Survey commenced July 30, 1900,

Survey completed August 13, 1900,

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NAMES AND DUTIES OF ASSISTANTS.

Willie L. Neal Chainman

Alfred H. Shorten, "

Orson M. Allred Moundman

Otis S. Allen Axman

Herbert Price "

Orson M. Allred Flagman.

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BOOK A-287

INDEX DIAGRAM.

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

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31	32	33	34	35	36

Meanders Page.....

PRELIMINARY OATHS OF ASSISTANTS.

WE, Willis L. Neal and Alfred H. Thorten

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; 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 Subdivisions of T. 26 S., R. 4½ W., Ts. 27, 28 & 29 S., R. 5 W., & Ts. 28 & 29 S., R. 4 W., of the Salt Lake Base & Meridian, State of Utah.

Willis L. Neal, Chain...

Alfred H. Thorten, Chai...

Subscribed and sworn to before me this 16th day of August, 1900

Hubert D. Page
U.S. Deputy Surveyor

SEAL

WE, Orson M. Allred and

do solemnly swear that we will well and truly perform the duties of moundman in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey of Subdivisions of T. 26 S., R. 4½ W., Ts. 27 & 28 & 29 S., R. 5 W., & Ts. 28 & 29 S., R. 4 W., of the Salt Lake Base & Meridian, State of Utah.

Orson M. Allred, Moundm...

, Moundm...

Subscribed and sworn to before me this 16th day of August, 1900

Hubert D. Page
U.S. Deputy Surveyor

SEAL

WE, Otis S. Allen and Herbert Price

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 Subdivisions of T. 26 S., R. 4½ W., Ts. 27, 28 & 29 S., R. 5 W., & Ts. 28 & 29 S., R. 4 W., of the Salt Lake Base & Meridian, State of Utah.

Otis S. Allen, A...

Herbert Price, A...

Subscribed and sworn to before me this 16th day of August, 1900

Hubert D. Page
U.S. Deputy Surv...

SEAL

I, Orson M. Allred, 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 Subdivisions of T. 26 S., R. 4½ W., Ts. 27, 28 & 29 S., R. 5 W., & Ts. 28 & 29 S., R. 4 W., of the Salt Lake Base & Meridian, State of Utah.

Orson M. Allred, Flag...

Subscribed and sworn to before me this 16th day of August, 1900

Hubert D. Page
U.S. Deputy Surveyor

SEAL

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Subdivision of T. 29 S. R. 5 W.

Chains	
	Survey Commenced, July 30, 1900 and executed with the instrument described in book 71 of this survey.
	We know the instrument to be in adjustment by recent observations made July 17 & 18 1900. and recorded in book 71 of this survey.
	July 30; At 9 A.M., L.M.T., we set off 38° 15' N. on the Lat. arc: 18° 32' W. on the decl. arc: and determine a true meridian with the solar, on the S. bdy. of the Tp. at the Cor. of Secs. 1 2 35 and 36, heretofore described.
	Thence we run N. 0° 1' W. bet. secs. 35 and 36. Over rolling land, descend through heavy aspen timber.
5.40	Leave aspen timber, bears N.W. and S.E. enter bottom land.
8.40	Dant Creek, 4 lks. wide, pure water, 5 ins. deep. Course N.W.
11.50	Leave bottom land, begin ascent through heavy aspen timber, bears N.W. and S.E.
29.75	Top of Conglomerate ledges, 30 ft. high, bear E. and W.
40.00	Set a trachyte stone 15 x 12 x 10 ins. 10 ins. in the ground, for ¼ sec. Cor., marked ¼ S. 35, on W. and 36. on E. faces: from which An aspen, 4 ins. diam., bears West 18 lks. dist., marked ¼ S. 35. B.T. An aspen, 5 ins. diam., bears S. 30° E. 30 lks. dist., marked ¼ S. 36, B.T. On top of ridge, bears N.W. and S.E., 300 ft. above Dant Creek.

Chains	
	Enter scattering pine timber
80.00	Set a trachyte stone, 24 x 16 x 14 ins. 18 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, 7 ins. diam., bears East, 5 lks. dist., marked T 29 S. R 5 W S. 25. S 36. B. T. A pine, 12 ins. diam., bears S. 70° E. 30 lks. dist., marked T. 29 S. R 5 W., S. 36., B. T. No other trees within limits. And raise a mound of stone, 2 ft. base, 1½ ft. high, W. of Cor. Pits impracticable. Land mountainous. Soil stony and loam, 3rd and 4th Rate. Timber, aspen and pine. Heavily timbered or Mountainous land, 80.00 chs.
	East on a random line, bet. Secs. 25 and 36.
40.00	Set temp. ¼ sec. cor.
80.00	Intersect E. bdy. of Tp. at Cor. of Secs. 25, 30, 31 and 36. heretofore described. Thence we run West on a true line bet. Secs. 25 and 36. Over rolling land, ascending through heavy aspen, spruce and pine timber.
40.00	Set a trachyte stone 13 x 9 x 5 ins. 9 ins. in the ground, for ¼ sec. Cor., marked ¼ S. 25, on N. and 36, on S. faces from which An aspen 5 ins. diam., bears S. 7 lks. dist. marked ¼ S. 36. B. T. A pine, 9 ins. diam., bears N. 60° E.

Chains	
	40 lks dist, marked ¼ S. 25, B. T.
	On top of devide of Tushar Mountains
	500 ft above Cor. of secs. 25, 30, 31 and 36.
	Bears N. and S., Begin descent.
53.00	Leave timber bears S. E. and N. W.
	enter flat.
65.00	Leave flat, enter heavy pine and
	spruce timber bears S. E. and N. W.
	Begin ascent.
80.00	The Cor. of secs. 25, 26, 35 and 36.
	Land mountainous.
	Soil clay and loam, 3rd Rate.
	Timber, aspen, pine and spruce.
	Heavily timbered or mountainous
	land, 80.00 chs.
	July 30: At this Cor. we set
	off 18° 28' E. on the decl. arc:
	and at 0h 6m, p. m., L. M. T.
	observe the sun on the
	meridian, the resulting
	lat is 38° 16' N.

	N. 0° 1' W. bet. secs. 25 and 26.
	Over rolling land, descend
	through heavy aspen and pine
	timber,
10.00	Leave timber, bears N. W. and S. E.
	enter flat.
28.00	Leave flat, enter heavy aspen
	and pine timber bears N. W. and S. E.
40.00	Set a trachyte stone 15 x 12 x 10 ins.
—	10 ins. in the ground, for ¼
	sec. Cor. marked ¼ S. 26. on W.
	and 25, on E. faces:
	from which
	A pine, 10 ins. diam. bears S. 70° W.
	12 lks dist. marked ¼ S. 26. B. T.

Chains	
	On aspen, 8 ins. diam., bears S. 45° E. 4 lks. dist.; marked ¼ S. 25. B. T.
65.50	South fork of Three Creeks, now dry, in ravine 80 ft. deep, Course N. W.
80.00	Set a Stachyle stone 15 x 10 x 10 ins. 10 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 Spruce, 10 ins. diam., bears S. 40° W. 80 lks. dist.; marked T. 29 S., R. 5 W. S. 26. B. T.
	An aspen, 6 ins. diam., bears N. 40° W. 35 lks. dist. marked T. 29 S., R. 5 W. S. 23. B. T.
	An aspen, 9 ins. diam., bears N. 10° E. 35 lks. dist. marked T. 29 S., R. 5 W., S. 24. B. T.
	An aspen, 5 ins. diam., bears S. 85° E. 20 lks. dist., marked T. 29 S., R. 5 W., S. 25, B. T.
	Land mountainous. Soil, clay and loam, 3rd Rate. Timber, aspen and pine. Heavily timbered or Mountainous land, 80.00 chs.

	E. on a random line, bet. secs. 24 and 25;
40.00	Set temp. ¼ sec. cor.
80.06	Intersect E. bdy. of Tp., 5 lks. S. of cor. of secs. 19, 24, 25 and 30, heretofore described. Thence we run S. 89° 58' W. on a true line, bet. secs. 24 and 25. Ascend over rolling land, through heavy aspen and pine timber.
20.00	Top of devide of Tushar Mountains, 300 ft. above cor. of secs. 19, 24, 25 and 30 bears N. E. and S. W.
	Leave heavy timber, bears N. E.

Subdivision of T. 29 S. R. 5 W. Continued

Chains	
	and S. W. enter open Country.
40.03	Set a trachyte stone 12 x 12 x 8 ins. 8 ins. in the ground, for ¼ Sec. Cor. marked ¼ S. 24 on N. and 25 on S. faces and raise a mound of Stone, 2 ft. base, 1½ ft. high, N. of Cor. Pits impracticable.
	Begin descent on west Slope of Deviide.
53.00	Leave open Country, enter Scattering pine. bear N. and S. ascend
62.00	Top of ridge. bears N.W. and S.E. Enter heavy aspen timber.
80.06	The cor. of Secs. 23, 24, 25 and 26. This cor. is 300 ft. below Deviide of Tushar mountains.
	Land, mountainous.
	Soil, Stony, Clay and loamy, 3rd and 4th Rate.
	Timber, aspen and pine.
	Heavily timbered mountainous land. 8006 chs.
	July 30. 1900

July 31: At 8 a.m. I.m.t. we set off 38° 16' on the Sat arc: 18' 18" W. on the decl. arc: and determine a true meridian with the Solar, at the Cor. of Secs. 23, 24, 25 and 26.

Thence we run

N. 0° 1' W. bet. Secs. 23 and 24.

Over rolling land, descend through heavy aspen timber.

30.00 Enter heavy pine timber. bears E. and W.

40.00 Set a trachyte stone 4 x 10 x 7 ins. 10 ins. in the ground, for ¼ Sec. Cor. marked ¼ S. 23 on W. and

Chains	
	24 on E. faces: from which A pine, 14 ins. diam., bears N. 15° W. 35 lks. dist. marked ÷ S. 23. B. T. No other trees within limits and raise a mound of stone, 2 ft. base, 1½ ft. high. W. of Cor. Pits impracticable.
80.00	Set a stachylestone 8 x 15 x 4 ins. 12 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 A pine, 12 ins. diam. bears N. 85° E. 36 lks. dist. marked T. 29 S., R 5 W. S. 13. B. T. A pine, 10 ins. diam. bears S. 50° E. 40 lks. dist. marked T. 29 S., R. 5 W., S. 24, B. T. A pine, 6 ins. diam. bears S. 25° W. 45 lks. dist. marked T. 29 S., R. 5 W. S. 23. B. T. A pine, 8 ins. diam. bears N. 10° W. 7 lks. dist. marked T. 29 S., R. 5 W. S. 14, B. T. Land, rolling. Soil, loam 3rd Rate. Timber, aspen, pine and spruce Heavily timbered 80.00 chs.
	N. 89° 55' E on a random line bet. Secs. 13 and 24
40.00	Set temp. ÷ Sec. Cor.
79.85	Intersect E. bdy. of Tp. at Cor. of Secs. 13, 18, 19 and 24, heretofore described Thence run S. 89° 55' W. on a true line bet.

Subdivision of T. 29 S., R. 5 W. Continued

Chains	
	Secs. 13 and 24.
	Over rolling land, descend
	over open country.
21.00	Ravine 100 ft. deep. Course N.
23.00	Enter heavy aspen and pine
	timber. Bears N. and S.
33.00	Top of ridge. Bears N. and S.
	Leave timber. Bears N. and S.
39.92½	Set a trachyte stone 5 x 8 x 5 ins. 10
	ins. in the ground, for ¼
	Sec. Cor. marked ¼ S. 13 on
	N. and 24 on S. faces: and
	raise a mound of stone,
	2 ft. base, 1½ ft. high.
	N. of Cor.
	Pits impracticable
44.00	Enter heavy aspen and pine
	timber. Bears N. and S.
76.00	Ravine. 200 ft. deep. Course N.
79.85	The cor. of Secs. 13, 14, 23 and 24.
	Land, mountainous.
	Soil, loam, 3rd Rate.
	Timber, aspen and pine.
	Heavily timbered mountainous land, 79.85 chs.
	July 31: Obt this cor. we set off
	18°16' N on the decl. arc: and at
	0h 6m p. m. l. m. t. observe the
	sun on the meridian, the
	resulting lat is 38°17' N
	N. 0°1' W. Lict. Secs. 13 and 14.
	Ascend, through aspen
	pine and spruce timber.
40.00	Set a trachyte stone 14 x 10 x 5 ins. 10
	ins. in the ground, for
	¼ Sec. Cor. marked ¼ S. 14 on

W. and 13 on E. faces:
from which
A aspen, 5 ins. diam. bears N. 10° E.
5 lks. dist. marked ¼ S. 13. B. T.
A aspen, 7 ins. diam. bears N. 55° W.
10 lks dist. marked ¼ S. 14. B. T.

55.25 Three Creek, 3 lks wide, 4 ins. deep, Canon 400 ft. deep. Course N. W.
Ascend over trachyte ledges 30 ft high.

65.50 Top of Spur, projects S. W. descend.

73.50 Spring branch, Course S. W. 1 lk. wide.
Leave pine and spruce timber enter heavy aspen timber bears S. W. and N. E.

80.00 Set a trachyte stone 4 x 9 x 5 ins. 10 ins. in the ground for cor. of secs. 11, 12, 13 and 14. marked with 4 notches on S. and 1 notch on E. edges: from which
A aspen, 12 in diam. bears
N. 10° E. 41 lks dist. marked
T. 29 S., R. 5 W., S. 12. B. T.
A aspen, 8 ins. diam. bears
S. 20° E. 20 lks. dist. marked
T. 29 S., R. 5 W., S. 13. B. T.
A aspen, 10 ins. diam. bears
S. 10° W. 5 lks. dist. marked
T. 29 S., R. 5 W., S. 14. B. T.
A aspen, 4 ins. diam. bears
N. 10° W. 15 lks. dist. marked
T. 29 S., R. 5 W., S. 11. B. T.
This cor. is 300 ft. below cor. of secs. 13, 14, 23 and 24.
Land, mountainous.
Soil, stony, clay and loam, 3rd and 4th Rate
Timber, aspen, spruce and pine.
Heavily timbered or mountainous land. 80.00 lks.

Subdivision of T. 29 S. R. 5 W. Continued

Chains	
	N. 89°58' E. on a random line bet. secs. 12 and 13.
40.00	Set temp. ¼ sec. cor.
79.94	Intersect E. bdy. of Tp. 5 lks. N. of cor. of secs. 7, 12, 13 and 18. heretofore described, Thence we run W. on a true line bet. secs. 12 and 13.
	Over rolling land ascend over open country.
12.00	Enter heavy aspen and scattering pine timber bears N. and S.
15.00	Top of ridge, bears N. and S. Begin descent.
39.97	Set a trachyte stone 14×12×5 ins. 10 ins. in the ground, for ¼ sec. cor. marked ¼ S. 12 on N. and 13 on S. faces: from which
	A aspen, 5 ins. diam. bears S. 15° E. 6 lks. dist. marked ¼ S. 13. B. T.
	A aspen, 5 ins. diam. bears N. 35 E. 10 lks. dist. marked ¼ S. 12. B. T.
73.18	Spring branch Course S. W. 1 lk. wide.
79.94	The cor. of secs. 11, 12, 13 and 14. This cor. is 500 ft. below cor. of secs. 7, 12, 13 and 18 on E. bdy. of Tp.
	Land mountainous
	Soil clay and loam. 3rd Rate
	Timber aspen and pine.
	Heavily timbered or mountainous land 79.94 chs.
	July 31, 1900

Aug. 1: At 8 a. m., l. m. t. we set off 38°18' on the lat. arc: 18°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 we run

Subdivision of T. 29 S. R. 5 W. Cont.

Chains	
	N. 0° 1' W. bet. secs. 11 and 12.
	Over rolling land, ascend
	through heavy aspen and
	scattering pine timber
28.00	Top of ridge, bears N.E. and S.W.
40.00	Set a trachyte stone 12x10x7 ins. 7 ins
	in the ground, for ¼ sec. cor.
	marked ¼ S. 11. on W. and 12
	on E. faces: from which
	A aspen, 8 ins. diam. bears W. 65
	lks. dist. marked ¼ S. 11, B.T.
	A aspen, 12 ins. diam, bears N. 15° E.
	52 lks. dist. marked ¼ S. 12 B.T.
41.00	Road from Beaver to Pusser
	Lake bears N.E. and S.W.
47.50	Lake Creek, 8 lks. wide, pure
	water, 12 ins. deep. Course
	S.W.
	Begin ascent over rocky
	soil.
80.00	Point falls on trachyte boulder
	4x3x1 ft. above ground, for cor.
	of Secs. 12, 11 and 12, marked with,
	a cross (X) at exact cor. point,
	and with 5 grooves on S. and
	1 groove on E. sides: from which
	A aspen, 3 ins. diam. bears
	N. 31° W. 3 lks. dist. marked
	T. 29 S. R 5 W. S. 2. B.T.
	A aspen, 3 ins. diam, bears
	N. 52° E. 11 lks. dist. marked
	T. 29 S. R 5 W. S. 1. B.T.
	A aspen, 3 ins. diam. bears.
	S. 67° E. 27 lks. dist. marked
	T. 29 S. R. 5 W. S. 12. B.T.
	A aspen, 3 ins. diam. bears
	S. 82° W. 16 lks. dist. marked
	T. 29 S. R. 5 W. S. 11. B.T.
	Land rolling.
	Soil stony and loam. 3rd and 4th Rate.

Subdivision of T. 29 S., R. 5 W. Continued

Chains.	
	Timber aspen and pine.
	Heavily timbered 80.00 chs.
	E. on a random line bet.
	Secs 1. and 12.
40.00	Set temp. ¼ Sec. Cor.
80.00	Intersect – E. bdy. of Tp. 10 Nrs.
	S. of Cor. of Secs. 1, 6, 7 and 12 heretofore described,
	Thence run
	S. 89° 56' W. on a true line bet.
	Secs. 1 and 12.
	Over rolling land, descend through
	heavy aspen and pine timber.
32.50	North edge of Otter Lake, shore
	line circular, pine water.
	area about 1 acre.
94.00	Road from Beaver to Puffer
	Lake, bears N.E. and S.W.
40.00	Set a Hachylestone 20 x 12 x 5 ins. 15 ins.
	in the ground, for ¼ Sec. Cor.
	marked ¼ S. 1 on N. and 12 on S.
	faces: from which
	A aspen, 6 ins. diam., bears N. 7°
	W. 31 lks. dist. marked ¼ S. 1, B 7.
	No other line trees within limits
	and raise a mound of stone,
	2 ft. base, 1½ ft. high. N. of
	Cor. Pits impracticable.
	This cor. stands in a patch
	of dead and burnt timber.
43.50	Lake Creek, 6 lks. wide, pine water,
	10 ins., deep, Course S. W.
	Begin ascent.
80.00	The cor. of Secs. 1, 2, 11 and 12.
	Land rolling.
	Soil, stony and loam 3rd and 4th Rate.
	Timber Aspen and pine.
	Heavily timbered. 80.00 chs.

Subdivision of T. 29 S. R. 5 W. Cont.

Chains	
	Aug. 1: At this cor. we set off 18° E. on the decl. arc: and at 0h 6m p.m. l.m.t. observe the Sun on the meridian, the resulting lat. is 38° 19' N.
	N. 0° 1' W. on a random line bet. secs. 1 and 2.
40.00	Set temp. ¼ sec. cor.
76.13	Intersect N. bdy. of T. 14 Rs. W. of Cor. of Secs. 1, 2, 35 & 36, heretofore described. Thence we run S. 0° 5' W. on a true line bet. Secs. 1 and 2. Descend, through heavy aspen pine and Spruce timber.
8.50	Spring branch, 1 lk. wide, S. W.
11.50	Top of Spur, projects S. W.
17.50	North fork of Three Creek, 5 lks. wide, 4 ins. deep, pure water Course W. in Canon 400 ft. deep. Begin ascent over rocky soil. Point for ¼ sec. cor. is subject to Slides. Therefor at
33.40	Set a trachy test 5 x 12 x 4 ins. 10 ins. in the ground, for W. C. to ¼ sec. cor. marked W. C. ¼ S. 2. on W. and 1 on E. faces: from which A pine, 9 ins. diam. bears N. 15° W. 12 lks. dist. marked W. C. ¼ S. 2. B. T. A pine, 5 ins. diam. bears N. 60° E. 22 lks. dist. marked W. C. ¼ S. 1, B. T.
36.13	¼ sec. cor. falls on slide rock, and cannot be set.
54.58	Top of ridge; bears N. E. and S. W., begin descent over rolling land.
76.13	The cor. of Secs. 1, 2, 11 and 12. Land, mountainous.

Subdivision of T. 29 S. R. 5 W. Continued

Chains	
	Soil, stony, clay and loam. 3rd and 4th Rate. Timber, aspen, pine and spruce. Heavily timbered or mountainous land. 76.13 Chs. August 1, 1900
	Aug. 2: At 8 A.M. L.M.T. we set off 38°15 on the lat arc: 17°48' N. on the decl. arc: and determine a true meridian, with the Solar, on the S. bdy. of the Tp. at the cor. of secs. 2, 3, 34 and 35 heretofore described, Thence we run N. 0° 1' W. bet. secs. 34 and 35. Descend, through heavy aspen and pine timber.
6.50	Dry run. Course N. W. Begin ascent.
26.00	Top of Spur, projects W. Begin descent.
40.00	Set a trachyte stone 14 x 11 x 9 ins. 10 ins. in the ground, for ¼ sec. cor. marked ¼ S. 34 on W. and 35, on E. faces: from which A aspen, 3 ins. diam. bears S. 80° E. 6 lks. dist. marked ¼ S. 35, B. T. A aspen, 4 ins. diam. bears N. 78° W. 24 lks. dist. marked ¼ S. 34 B. T.
80.00	Set a trachyte stone 12 x 12 x 6 ins. 8 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, 6 ins. diam. bears N. 65° W. 46 lks. dist. marked T. 29 S. R. 5 W. S. 27. B. T.

Chains	
	A pine, 6 ins. diam. bears N. 35° E. 1.15 chs. dist. marked T. 29 S., R. 5 W., S. 26. B. T.
	A pine, 6 ins. diam. bears S. 40° W. 51 lks. dist. marked T. 29 S., R. 5 W. S. 34. B. T.
	A pine, 7 ins. diam. bears S. 35° E. 33 lks. dist. marked T. 29 S. R. 5 W. S. 35 B. T.
	Land rolling
	Soil Stony loam, 3rd Rate
	Timber aspen and pine.
	Heavily timbered 80.00 chs.
	E. on a random line bet. Secs. 26 and 35.
40.00	Set temp. ¼ Sec. cor.
80.06	Intersect N. and S. line, 3 lks. N. of Cor. of Secs. 25, 26, 35 and 36.
	Thence run
	N. 89° 59' W. on a true line. bet Secs. 26 and 35.
	Run rolling land through heavy Spruce and pine timber.
11.00	Top of Spur, projects N.
22.00	Leave heavy timber bears N. W. and S. E. enter open County.
34.00	Leave open County, enter heavy timber, bears N. W. and S. E.
40.03	Set a trachyte stone 4 x 10 x 5 ins. 10 ins. in the ground, for ¼ Sec. cor. marked ¼ S. 26 on N. and 35 on S. faces; from which
	A pine, 5 ins. diam. bears S. 45° W. 35 lks. dist. marked ¼ S. 35 B. T.
	A pine, 5 ins. diam. bears N. 45° E. 20 lks. dist. marked ¼ S. 26. B. T.
41.00	Top of ridge, bears N. W. and S. E.

Subdivision of T. 29 S. R. 5 W. Continued

Chains	
	Begin descent
78.50	Jant Creek, 5 lks. wide, pure water, 6 ins. deep, and Canon 700 ft. deep. Course N. W.
80.06	The cor. of secs. 26, 27, 34 and 35. This cor. is 750 ft. below cor. of secs. 25, 26, 35 and 36. Land, mountainous. Soil, stony loam. 3rd Rate. Timber, spruce and pine Heavily timbered or mountainous land 80.06 chs.
	Ang 2: At this cor. we set off 17° 45' N. on the decl arc: and at 0h. 6m p. m. l. m. t. observe the sun on the meridian the resulting lat. is 38° 16' N
	N. 0° 1' W. bet. secs. 26 and 27. Descend through heavy aspen and scattering pine timber.
2.00	Jant Creek, 5 lks. wide, pure water, 6 ins. deep and Canon 700 ft. deep. Course N. W.
	Begin ascent.
37.00	Top of ridge, bears N. W. and S. E. 1000 ft. above Jant creek.
	Begin descent
40.00	Set a trachyte stone 16 x 10 x 4 ins. 11 ins. in the ground, for ¼ sec. cor. marked ¼ S. 27. on W. and 26 on E. faces from which. A pine, 6 ins. diam. bears N. 15 W. 27 lks. dist. marked ¼ S. 27. B. 7.

Subdivision of T. 29 S. R. 5 W. Cont

Chains	
	A aspen, 4 ins. diam. bears N. 30° E. 12 lks. dist. marked ¼ S. 26. B. T.
80.00	Set a trachyte stone 18 × 10 × 6 ins. 12 ins. in the ground, for cor. of secs. 22, 23, 26 and 27. marked with 2 notches on S. and 2 notches on E. edges:
	from which
	A pine, 6 ins. diam. bears N. 25° W. 18 lks. dist. marked T. 29 S. R. 5 W. S. 22 B. T.
	A pine, 6 ins. diam. bears N. 62° E. 96 lks. dist. marked T. 29 S. R. 5 W. S. 23. B. T.
	A pine. 8 ins. diam. bears S. 40 E. 37 lks. dist. marked T. 29 S. R. 5 W. S. 26. B. T.
	A aspen 3 ins. diam. bears S. 32° W. 15 lks. dist. marked T. 29 S. R. 5 W. S. 27. B. T.
	Land mountainous
	Soil stony loam. 3rd Rate
	Timber aspen and pine
	Heavily timbered or mountainous land. 80.00 Chs.
	S. 89° 59' E. on a random line bet. secs. 23 and 26
40.00	Set temp ¼ sec. cor.
80.08	Intersect N. and S. line. 5 lks. N. of cor. of secs. 23, 24, 25 and 26
	Thence we run
	N. 89° 57' W. on a true line bet. secs. 23 and 26.
	Descend through heavy aspen and scattering pine timber
24.00	South fork of Three Creek (now dry) and Canon 200 ft. deep, Course

Subdivision of T. 29 S. R. 5 W. Continued

	N. W. Begin ascent
40.04	Set a trachyte stone 12 x 8 x 6 ins. 8 ins. in the ground for ¼ Sec. Cor. marked ¼ S. 23 on W. and 26 on S. faces: from which A pine 10 ins. diam. bears N. 8 lks. dist. marked ¼ S. 23. B. T. A aspen 6 ins. diam. bears S. 20 lks. dist. marked ¼ S. 26. B. T.
80.08	The Cor. of Secs. 22, 23, 26 and 27. Land, rolling. Soil, stony loam. 3rd Rate Timber, aspen and pine. Heavily timbered. 80.08 chs.
	N. 0° 1' W. bet. Secs. 22 and 23. Lies and through dense aspen and pine timber.
29.75	Three Creeks, South fork (now dry) and Canon, 250 ft. deep; Course N. W. Begin ascent through heavy aspen timber
40.00	Set a trachyte stone 16 x 10 x 4 ins. 11 ins. in the ground, for ¼ Sec. Cor. marked ¼ S. 22 on W. and 23 on E. faces: from which A aspen 3 ins. diam. bears N. 35° W. 12 lks. dist. marked ¼ S. 22. B. T. A aspen 3 ins. diam. bears N. 15° E. 9 lks. dist. marked ¼ S. 23 B. T.
80.00	Top of ridge. bears N. 20° W. and S. 20° E.
	Set a trachyte stone 17 x 15 x 12 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: from which

Subdivision of T. 29 S. R. 5 W. Contin

Chains	
	Aspen, 3 ins. diam. bears N. 45° W. 22 lks. dist. marked T. 29 S. R. 5 W. S. 15. B. T.
	Aspen, 5 ins. diam. bears N. 70° E. 1.00 ch. dist. marked T. 29 S. R. 5 W. S. 14. B. T.
	Aspen, 5 ins. diam. bears S. 89° E. 30 lks. dist. marked T. 29 S. R. 5 W. S. 23. B. T.
	Aspen, 3 ins. diam bears S. 30° W. 5 lks. dist. marked T. 29 S. R. 5 W. S. 22. B. T.
	Land rolling.
	Soil stony loam, 3rd Rate
	Timber Aspen and pine
	Heavily timbered 80.00 lks.
	S. 89° 57' E. on a random line bet. Secs. 14 and 23.
40.00	Set stone ¼ Sec. Cor.
80.18	Intersect N. and S. line at cor. of Secs. 13, 14, 23 and 24.
	Thence run N. 89° 57' W. on a true line bet. Secs. 14 and 23.
	Run rolling land, descend thro' heavy aspen and pine timber.
40.09	Set a hardy [illegible] 6 x 10 x 5 ins. 11 ins. in the ground, for ¼ Sec. Cor. marked ¼ S. 14. on N. and 23 on S. faces:
	from which
	Aspen, 3 ins. diam. bears N. 10° E. 11 lks. dist. marked ¼ S. 14. B. T.
	Aspen, 4 ins. diam. bears S. 6 lks dist. marked ¼ S. 23 B. T.
44.15	Top of ridge. bears N. 10° W. and S. 10° E.

Subdivision of T. 29 S., R. 5 W. Continued

Chains	
69.00	Ravine, 200 ft. deep, course N.
	Begin ascent.
80.18	Top of ridge, bears N. 20° W. and S. 20° E.
	The cor. of secs. 14, 15, 22 and 23.
	Land, rolling.
	Soil, stony loam. 3rd Rate.
	Timber, aspen and pine.
	Heavily timbered 80.18 chs.
	August 2. 1900

Aug. 3: At 8 a.m. l.m.t. we set off 38° 17' on the lat. arc: 17° 33' N. on the decl. arc: and determine a true meridian with the solar, at the cor. of secs. 14, 15, 22 and 23.

Thence we run N. 0° 1' W. bet. secs. 14 and 15.

Over rolling land, descend through dense aspen and scattering pine.

40.00 Set a trachyte stone 16 x 14 x 10 ins. 11 ins. in the ground, for ¼ sec. cor. marked ¼ S. 15 on W. and 14 on E. faces: from which

A aspen, 8 ins. diam. bears N. 40° E. 80 lks. dist. marked ¼ S. 14. B. T.

A aspen, 18 ins. diam. bears S. 45° W. 20 lks. dist. marked ¼ S. 15, B. T.

48.75 Spring branch. Course N. 20° W. 1 lk. wide.

59.50 Spring branch. Course N. 70° W. 1 lk. wide.

68.60 Top of spur, projects N. W.

80.00 Set a trachyte stone 16 x 12 x 8 ins. 11 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

A pine, 14 ins diam. bears N. 35° W. 55 lks. dist. marked

Subdivision of T. 29 S. R. 5 W. Cont'd.

Chains	
	T. 29 S. R. 5 W. S. 10. B. T.
	A pine, 14 ins. diam. bears N. 64° E.
	1.06 chs. dist. marked
	T. 29 S. R. 5 W. S. 11. B. T.
	A pine, 16 ins. diam. bears
	S. 80° E. 71 lks. dist. marked
	T. 29 S. R. 5 W. S. 14. B. T.
	A pine, 8 ins. diam. bears S. 66° W.
	1.30 chs. dist. marked
	T. 29 S. R. 5 W. S. 15. B. T.
	Land rolling
	Soil loam, 3rd Rate
	Timber, aspen and pine.
	Heavily timbered 80.00 chs.
	S. 89° 57' E. on a random line bet. Secs. 11 and 14
40.00	Set temp. ¼ Sec. cor.
80.20	Intersect N. and S. line, 12 lks. S. of Cor. of Secs. 11, 12, 13 and 14.
	Thence run
	S. 89° 58' W. on a true line bet. Secs. 11 and 14.
	Run rolling land. Descend through dense aspen and scattering pine timber.
40.10	Set a stachybotes 15 x 10 x 5 ins., 10 ins. in the ground, for ¼ Sec. cor. marked ¼ S. 11 on N. and 14 on S. faces: from which
	A aspen 8 ins. diam. bears N. 30° E. 47 lks. dist. marked ¼ S. 11. B. T.
	A aspen, 5 ins. diam. bears S. 5 lks. dist. marked ¼ S. 14. B. T.
40.20	Road from Beaver to Puffer Lake Camp N. E. and S. W.
55.15	Centre fork of Thief Creek 5 lks. wide, pure water 6 ins. deep,

Subdivision of T. 29 S. R. 5 W. Continued

Chains	
	Course N. W.
	Leave aspen enter pine timber.
55.35	Road from Beaver to Puffer Lake, bears N. W. and S. E.
59.00	Top of rocky spur, projects N. E.
80.20	The cor. of secs. 10, 11, 14 and 15.
	This cor. is 350 ft. below the cor. of secs. 11, 12, 13 and 14.
	Land mountainous.
	Soil stony and loam. 3rd and 4th Rate.
	Timber, aspen and pine.
	Heavily timbered or mountainous land. 80.20 chs.
	N. 0° W. bet. secs. 10 and 11.
	Cerier rolling land, descend through scattering pine timber
.15	Road from Beaver to Puffer Lake, bears E. and S. W.
6.00	Centre fork of Three Creek. 10 lks. wide. pure water, 12 ins. deep. Course W. begin steep ascent over rocky soil and heavy aspen timber.
40.00	Set a trachyte stone 16 x 10 x 8 ins. 11 ins. in the ground, for ¼ sec. cor. marked ¼ S. 10 on W. and 11 on E. faces: from which
	A aspen, 6 ins. diam. bears S. 60° W. 18 lks. dist. marked ¼ S. 10, B. T.
	A aspen, 18 ins. diam. bears E. 44 lks. dist. marked ¼ S. 11, B. T.
52.00	Top of spur, projects S. 15° W.
	700 ft. above cor. of secs. 10, 11, 14 and 15.
	Begin descent.
80.00	Set a conglomerate stone 15 x 10 x 8 ins. 10 ins. in the ground, for cor. of secs. 2, 3, 10 and 11, marked

Chains	
	with 5 notches on S. and 2 on E. edges: from which A aspen, 3 ins. diam. bears N. 45° E. 16 lks. dist. marked T. 29 S. R. 5 W. S. 2. B. T. A aspen, 3 ins. diam, bears S. 60° E. 28 lks. dist. marked T. 29 S. R. 5 W. S. 11. B. T. A aspen, 3 ins. diam. bears S. 30° W. 21 lks. dist. marked T. 29 S. R. 5 W. S. 10, B. T. A aspen, 3 ins. diam. bears N. 50° W. 8 lks. dist. marked T. 29 S. R. 5 W. S. 3. B. T. Land mountainous Soil stony and loam, 3rd and 4th Rate. Timber aspen and pine. Mountainous land or heavily timbered. 80.00 Chs.
	Aug. 3: At this cor. we set off 17° 30' E. on the dec. and at 0h 6m p. m., G. M. T. observe the sun on the meridian the resulting lat. is 38° 19' N
	N. 89° 55' E. on a random line bet. Secs. 2 and 11.
40.00	Set stone. + Sec. cor.
80.15	Intersect N. and S. line, 5 lks. N. of Cor. of Secs. 1, 2, 11 and 12.
	Thence run W. on a true line bet. Secs. 2 and 11.
	Over rolling land, ascend through heavy aspen and pine timber.
18.95	Top of Spur, projects S. 15° E.

Subdivision of T. 29 S. R. 4 W. Continued

Chains	
37.00	Top of ridge. bears N.E. and S.W.
	Begin descent
40.04	Set a Conglomerate stone, 14x12x10
	ins. 10 ins. in the ground,
	for ¼ Sec. cor. marked ¼ S. 2.
	on N. and W. on S. faces:
	from which
	A pine, 8 ins. diam. bears S. 28° E.
	27 lbs. dist. marked ¼ S. W. 13. Y.
	A pine, 5 ins. diam. bears N. 12 lbs.
	dist. marked ¼ S. 2. B. Y.
80.08	The cor. of Secs. 2, 3, 10 and 11.
	Land, mountainous.
	Soil, Stony loam. 3rd Rate
	Timber, Aspen and pine,
	Mountainous land or
	Mainly timbered, 80.08 Chs.

N. 0° 1' W. on a random line,
dist. Secs. 2 and 3.

40.00	Set stone ¼ Sec. cor.
76.10	Intersect N. bdy. of T. At cor.
	of Secs. 2. 3. 34 and 35. heretofore described.
	Thence run
	S. 0° 1' E. on a true line dist.
	Secs. 2 and 3.
	Descend through heavy Aspen
	timber,
25.20	Sawmill road bears N.E. and S.W.
28.80	North fork of Beaver Creek, 8 lbs.
	wide, 6 ins. deep Course S.W.
	Begin ascent
36.10	Set a granite stone 14x8x6 ins.
	10 ins. in the ground, for ¼
	Sec. cor. marked ¼ S. 3 on
	W. and 2 on E. faces:
	from which
	A aspen 4 ins. diam. bears

Subdivision of T. 29 S. R. 5 W. Conti

Chains	
	S. 60° E. 15 lks. dist. marked ¼ S. 2, B. T.
	A aspen, 3 ins. diam. bears S. 30° W. 25 lks. dist. marked ¼ S. 3, B. T.
46.00	Top of ridge, bears N.E. and S. W. Begin descent through heavy pine and aspen timber.
65.00	North fork of Three Creek, 6 lks. wide, 10 ins. deep, pure water, course S. W. Begin ascent.
76.10	The cor. of secs. 2, 3, 10 and 11
	Land rolling
	Soil clay and loam, 3rd Rate
	Timber, aspen and pine
	Heavily timbered 76.10 Chs.
	August 3, 1900

Aug. 4: At 8 a. m. l. m. t. we set off 38° 15' N on the lat. arc: 17° 17' N. on the declination arc: and determine a true meridian with the solar at the cor. of secs. 3, 4, 33 and 34 on the S. bdy. of the Tp. heretofore described. Thence we run N. 0° 2' W. bet. secs. 33 and 34. Descend over open country.

9.00	Leave open country, enter heavy aspen and pine timber, bears N.W. and S.E. over rolling land along E. slope of ridge, bearing N. and S.
40.00	Set a trachyte stone 16 x 9 x 6 ins. 11 ins. in the ground, for ¼ sec. cor. marked ¼ S. 33 on W. and 34 on E. faces: from which
	A aspen, 3 ins. diam. bears W. 9 lks. dist. marked ¼ S. 33, B. T.

Chains.	
	A aspen, 4 ins. diam., bears N. 15° E., 12 lks. dist., marked ¼ S. 34, R. 3 T.
80.00	Set a trachyte stone, 16×12×8 ins., 11 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: from which A pine, 16 ins. diam., bears E. 4 lks. dist., marked T. 29 S., R. 5 W., S. 27, S. 34, R. 3 T. A pine, 8 ins. diam., bears W., 7 lks. dist., marked T. 29 S., R. 5 W., S. 33., S. 28, R. 3 T. No other trees within limits. And raise a mound of stone, 2 ft. base, 1½ ft. high, W. of Cor. Pits impracticable. Land mountainous. Soil, stony and loam. 3rd Rate. Timber, aspen and pine. Heavily timbered mountainous land. 80.00 chs.
	E. on a random line, bet. Secs. 27 and 34.
40.00	Set temp. ¼ sec. Cor.
80.04	Intersect N. and S. line, at Cor. of secs. 26, 27, 34 and 35. Thence we run W. on a true line, bet. Secs. 27 and 34. Over rolling land, ascend through heavy aspen and pine timber.
.50	Spring branch, 1 lk. wide, Course N.
40.02	Set a trachyte stone, 16×10×6 ins. 11 ins. in the ground, for ¼ sec. Cor., marked ¼ S. 27, on N. and 34, on S. faces: from which A pine, 6 ins. diam., bears N. 10° W. 12

Subdivision of T. 29 S. R. 5 W. Continued

Chains	
	lks. dist. marked ¼ S. 27, B. T.
	An aspen, 3 ins. diam., bears S. 5 lks. dist. marked ¼ S. 34, B. T.
58.00	Top of ascent, bears N. and S. Leave pine timber, over nearly level land.
64.00	Begin descent.
78.20	La Barron Creek, 6 lks. wide, pure water, 8 ins. deep, and Canon 100 ft. deep, Course N. 15° W.
	Leave aspen, ascend through heavy pine timber.
80.04	The cor. of Secs. 27, 28, 33 and 34.
	Land mountainous.
	Soil, rocky and loam, 3rd and 4th Rate
	Timber aspen and pine.
	Mountainous land and heavily timbered. 80.04 chs.
	Aug. 4. At this cor. the decl. are 17° 14' E. on the decl. arc and at 0h 6m p. m., l. m. t. observe the sun on the meridian, the resulting lat. is 38° 16' N.
	N. 0° 2' W. bet. secs. 27 and 28.
	Descend through heavy aspen and pine timber.
7.00	La Barron Creek, 6 lks. wide, pure water, 8 ins. deep and Canon 100 ft. deep, Course N. 10° W.
	Leave timber, over stony soil, along east side of Canon.
40.00	Set a trachyte stone 12 x 12 x 5 ins. 8 ins. in the ground, for ¼ sec. cor. marked ¼ S. 28, on N. and 27 on E. faces, from which a pine, 14 ins. diam. bears N. 59° E. 7 lks. dist., marked ¼ S. 27, B. T. No. 6 this tree within limits. And raise a mound of stone,

Subdivision of T. 29 S. R. 5 W. Continued

Chains	
	2 ft. base, 1½ ft. high, W. of Cor. Pits impracticable
41.60	La Barron Creek, 6 lks. wide, pure water, 8 ins. deep, Course N. 10° E. Enter heavy Aspen and pine timber bears S.W. and N.E.
73.40	East fork of Beaver Creek, 8 lks. wide, pure water 12 ins. deep and Canon 800 ft deep Course N. W. Begin steep ascent through dense timber
80.00	Set a trachyte stone 6 x 10 x 6 ins. 11 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, 1½ ft. high, W. of Cor. Pits impracticable Land mountainous. Soil, stony 4th Rate Timber, Aspen and pine. Dense undergrowth, heavily timbered mountainous land. 80.00 Chs.
	E. on a random line, bet. Secs. 22 and 27.
40.00	Set stone, ¼ Sec. Cor.
80.02	Intersect N. and S. line, 5 lks. N. of Cor. of Secs. 22, 23, 26 and 27. Thence run N. 89° 58' W. on a true line. bet. Secs. 22 and 27. Run rolling land, ascend through heavy aspen and pine timber.

Subdivision of T. 29 S. R. 5 W. Cor.

Chains	
40.01	Set a trachyte stone 7.5 x 9 x 6 ins. 10 ins. in the ground, for ¼ sec. cor. marked ¼ S. 22 on N. and 27 on S. faces: from which. A aspen, 3 ins. diam. bears N. 15 lks. dist. marked, ¼ S. 22. B. T. A aspen, 3 ins. diam. bears S. 10° E. 9 lks. dist. marked ¼ S. 27. B. T.
54.00	Top of ridge, bears N. W. and S. E. Begin descent.
73.00	Leave timber, bears N.W. and S. E. enter dense artimesa
80.02	The cor. of secs. 21, 22, 27 and 28. Land, rolling. Soil, loam. 3rd Rate. Timber, aspen and pine. Dense undergrowth or heavily timbered. 80.02 Chs. August 4, 1900

Aug. 5: At 8 a.m. l.m.t. we set off 38°16' on the lat arc: 17°01 N. on the decl. arc: and determine a true meridian, with the solar, at the cor. of secs. 21, 22, 27 and 28. Thence we run N. 0°2' W. bet. secs. 21 and 22. Over rolling land, ascend through dense artimesa.

6.00	Enter heavy aspen and pine timber bears N.W. and S. E.
20.00	Top of ridge, bears N. 40° W. and S. 40° E. begin descent.
40.00	Set a trachyte, 14 x 10 x 6 ins. 10 ins. in the ground, for ¼ sec. cor. marked ¼ S. 21 on W. and 22, on E. faces: from which

Subdivision of T. 29 S. R. 5 W. Continued.

Chains.	
	A pine, 6 ins. diam., bears N. 15° W., 22 lks. dist.: marked ½ S. 21, B. T.
	A pine, 6 ins. diam., bears E. 17 lks. dist.: marked ½ S. 22. B. T.
70.70	South fork of Three Creeks. 5 lks. wide. Some shales, 4 ins. deep, and Canon 200 ft. deep, Course N. 30° W.
	Ascend along East side of Canon.
80.00	Set a trachyte stone, 15 x 7 x 7 ins. 10 ins. in the ground, for cor. of secs. 15, 16, 21 and 22. marked with T. 29 S. on N. E. and R. 5 W. on S. E. faces: with 3 notches on S. and E. edges: from which
	An aspen, 10 ins. diam., bears W. 3 lks. dist. marked T. 29 S., R. 5 W., S. 16. S. 21. B. T.
	An aspen, 8 ins. diam., bears N. 42° 30' E. 8 lks. dist. marked T. 29 S., R. 5 W. S. 15. B. T.
	An aspen, 6 ins. diam., bears S. 88° E. 3 lks. dist. marked T. 29 S., R. 5 W., S. 22. B. T.
	No other trees within limits.
	And raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
	Pits impracticable.
	Land rolling.
	Soil, stony loam. 3rd Rate.
	Timber, Aspen and pine.
	Heavily timbered on dense undergrowth. 80.00 chs.

	S. 89° 58' E. on a random line, bet. secs. 15 and 22.
40.00	Set temp. ¼ sec. cor.
80.00	Intersect N. and S. line 5 lks. S. of Cor. of secs. 14, 15, 22 and 23.
	Thence run
	West on a true line, bet. secs. 15 and 22.

Subdivision of T. 29 S. R. 5 W. Contin

Chains	
	Over rolling land, descend through heavy aspen and pine timber.
9.25	Ravine, 300 ft deep. Course N. W. Ascend.
38.00	Top of spur projects N. Descend.
40.00	Set a trachyte stone, 14 x 8 x 6 ins. 10 ins in the ground, for ¼ sec. cor. marked ¼ S. 15. on N. and 22. on S. faces from which
	A pine, 8 ins. diam. bears N. 45° W., 11 lks. dist. marked ¼ S. 15. B. T.
	An aspen, 12 ins. diam. bears S. 80° E., 52 lks. dist. marked ¼ S. 22. B. T.
	Begin ascent.
56.00	Top of ridge, bears N. 15° W. and S. 15° E. Descend.
80.00	The cor. of secs. 15, 16, 21 and 22.
	Land rolling.
	Soil loam. 3rd Rate.
	Timber, aspen and pine.
	Heavily timbered 80.00 chs.
	Aug. 5. At this cor. we set off 16° 58' N. on decl. arc: and at 0h 6m p. m. l. m. t. observe the sun on the meridian, the resulting lat. is 38° 17' N.
	N. 0° 2' W. Set secs. 15 and 16.
	Ascend through heavy aspen timber.
17.30	Top of spur, projects W.
	Begin descent through heavy pine and aspen timber.
40.00	Set a trachyte stone, 13 x 10 x 6 ins. 9 ins in the ground, for ¼ sec. cor. marked ¼ S. 16. on W. and 15. on E. faces from which
	An aspen, 5 ins. diam. bears N. 85° W.

Subdivision of T. 29 S. R. 5 W. Continued

Chains	
	3 lks. dist. marked ¼ S. 16. B. 7.
	A aspen, 4 ins. diam. bears S. 30° E. 9 lks. dist. marked ¼ S. 15. B. 7.
45.80	Top of spur, projects W.
75.55	Road from Beaver to Puffer Lake, bears N. W. and S. E.
77.80	Leave timber, bears E. and W.
	Enter open country.
80.00	Set a trachyte 3 x 10 x 5 ins. 9 ins. in the ground, for cor. of secs. 9, 10, 15 and 16 marked with 4 notches on S. and 3 on E. edges, and raise a mound of stone. 2 ft. base, 12 ft. high. W. of cor. Pits impracticable.
	Land, mountainous.
	Soil, clay and loam. 3rd Rate.
	Timber, aspen and pine.
	Heavily timbered or mountainous land. 80.00 lks.
	E. on a random line bet. secs. 10 and 15.
40.00	Set temp. ¼ sec. cor.
80.00	Intersect N. and S. line at cor. of secs. 10, 11, 14 and 15.
	Thence we run
	W. on a true line bet. secs. 10 and 15.
	Over rolling land, descending through dense artimesa.
2.00	Road from Beaver to Puffer Lake, bears N.E. and S. W.
9.80	Spring branch. Course N. 1 lk. wide.
11.00	Spring branch. Course N. 1 lk. wide.
13.62	Spring branch. Course N. 1 lk. wide.
22.40	South channel of Centre Fork of Three Creek, 10 lks. wide, pure water.

Subdivision of T. 29 S. R. 5 W. Con

Chains	
	12 ins. deep, Course S. W.
27.05	North channel of Centre fork of Three Creek. 10 lks. wide, pure water, 12 ins. deep, Course S. Begin ascent over stony soil.
30.50	Enter heavy aspen and pine timber bears N.E. and S. W.
40.00	Set a trachyte 13 x 11 x 6 ins. 8 ins. in the ground, for ¼ sec. cor. marked ¼ S. 10 on N. and 15 on S. faces: from which
	A aspen, 3 ins. diam. bears S. 30° E. 21 lks. dist. marked ¼ S. 15, B. T.
	A aspen, 3 ins. diam, bears, N. 15° W. 14 lks. dist. marked ¼ S. 10, B. T.
	Thence along South slope of high ridge, bearing E. and W.
55.60	Begin descent.
77.00	Centre fork of Three Creek. 15 lks. wide, pure water, 14 ins. deep Course N. W.
	Leave timber bears N.W. and S.E.
80.00	The cor. of secs. 9, 10, 15 and 16.
	Land mountainous
	Soil stony and loam. 3rd and 4th Rate.
	Timber. Aspen and pine.
	Heavily timbered, mountainous land or dense undergrowth. 80.00 chs.
	August 5, 1900

Aug. 6: At 8 a.m. l. m. t. we set off 38° 18' N on the lat. arc: 16° 44' N. on decl. arc: and determine a true meridian with the solar. at the cor. of secs. 9, 10, 15 and 16. Thence we run N. 0° 2' W. bet. secs. 9 and 10. Over rolling land, through dense

Subdivision of T. 29 S. R. 5 W. Continued.

Chains	
	Azimuth a.
3.25	Centre fork of Three Creek, 15 lks. wide, 14 ins. deep, Course N. W. Begin ascent through scattering pine.
13.25	Top of Span 200 ft. high, projects W. Begin descent.
23.35	North fork of Three Creek, 5 lks. wide 5 ins. deep, pure water, Course S. W. Begin ascent
26.00	Enter Beaver aspen and pine timber, bears S. W. and N. E.
40.00	Set a trachyte stone 8 x 8 x 5 ins. 11 ins. in the ground, for ¼ Sec. cor. marked ¼ S. 9 on W. and 10 on E. faces: from which A aspen, 5 ins. diam. bears W. 11 lks. dist. marked ¼ S. 9. B. T. A aspen, 6 ins. diam. bears S. 80° E. 11 lks. dist. marked ¼ S. 10, B. T. This ¼ sec. cor. is on top of Grizzly Ridge bears N. E. and S. W. Begin descent.
67.58	North fork of Beaver Creek, 6 lks. wide, pure water, 5 ins. deep, Course S. W.
70.00	Sawmill road, bears N. E. and S. W. Ascend over Stony Soil,
76.53	Top of trachyte ledges, 25 ft. high, bear N. E. and S. W.
80.00	Set a trachyte stone 12 x 11 x 7 ins. 8 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: from which A aspen, 5 ins. diam. bears N. 85° E. 50 lks. dist. marked T. 29 S. R. 5 W. S. 3. B. T. A aspen, 3 ins. diam. bears S. 30 E. 21 lks. dist. marked

Subdivision of T. 29 S. R. 5 W. Contin

Chains	
	T. 29 S. R. 5 W. S. 10. B. T.
	A aspen, 2½ ins. diam. bears S. 50° W. 17 lks. dist. marked
	T. 29 S. R. 5 W. S. 9. B. T.
	A aspen, 6 ins. diam. bears N. 82° W. 28 lks. dist. marked
	T. 29 S. R. 5 W. S. 4. B. T.
	From this Cor.
	Sawmill bears N. 60° E. about 16 chs. dist., operated by Murdock and Co.
	Land, mountainous.
	Soil, Stony and loam, 3rd and 4th Rate.
	Timber, Aspen and pine.
	Mountainous land or heavily timbered, 80.00 chs.
	E. on a random line, bet. secs. 3 and 10.
40.00	Set temp. ¼ sec. cor.
80.20	Intersect N. and S. line, at the cor. of secs. 2, 3, 10 and 11.
	Thence we run
	W. on a true line, bet. secs. 3 and 10.
	Descend through heavy aspen and scattering pine timber.
9.20	North fork of Three Creek: 6 lks. wide, pure water, 10 ins. deep.
	Course S. W. begin ascent.
40.10	Set a trachyte stone 20 x 11 x 10 ins. 15 ins. in the ground, for ¼ sec. cor. marked, ¼ S. 3 on N. and 10 on S. faces: from which
	A aspen, 7 ins. diam. bears N. 5° E. 12 lks. dist. marked ¼ S. 3. B. T.
	A aspen, 3 ins. diam. bears S. 15° E. 2 lks. dist. marked ¼ S. 10. B. T.
40.60	Top of ridge, bears N.E. and S. W.

Subdivision of T. 29 S. R. 5 W. Continued

Chains	
	Begin descent.
71.00	Sawmill road, bears N.E. and S.W.
72.90	North fork of Beaver Creek; 6 lks. wide, pure water, 5 ins. deep
	Begin ascent.
80.20	The cor. of secs. 3, 4, 9 and 10.
	Land, mountainous.
	Soil, loam. 3rd Rate.
	Timber, pine and aspen.
	Heavily timbered or mountainous land. 80.20 chs.
	Aug. 6: At this cor. we set off 16 41' N. on the decl. arc: and at 0h 6m p.m., l.m.t. observe the sun on the meridian, the resulting lat. is 38° 19' N ✓
	N. 0° 2' W. on a random line bet. secs. 3 and 4.
40.00	Set temp. ¼ sec. cor.
76.00	Intersect N. bdy. of Tp. 5 lks. west of Cor. of secs. 3, 4, 33 and 34. heretofore described. Thence we run S. on a true line, bet. secs. 3 and 4.
	Over rolling land descend through dense aspen and scattering pine timber.
24.38	Dry gulch, drains S.E.
36.00	Set a trachy test 16 × 9 × 4 ins. 11 ins. in the ground, for ¼ sec. Cor. marked ¼ S. 4 on W. and 3 on E. faces: from which
	A aspen, 3 ins. diam. bears N. 75° E. 6 lks. dist. marked ¼ S. 3. B. T.
	A aspen, 3 ins. diam. bears N. 40° W. 4 lks. dist. marked ¼ S. 4. B. T.

Chains	
76.00	The cor. of Secs. 3, 4, 9 and 10.
	Land, rolling.
	Soil, loam. 3rd Rate.
	Timber, aspen and pine.
	Heavily timbered 76.00 chs.
	August 6, 1900
	Aug. 7. At 8 A.M. Lat. we set set off 38°15' on lat. arc: 16°28' N. on decl. arc: and determine a true meridian with the solar, on the south bdy. of the Tp. at the cor. of Secs. 4, 5, 32 and 33. heretofore described, Thence we run N. 0°3' W. bet. secs. 32 and 33. Ascend through dense young aspen timber.
20.00	Top of ridge, bears N.W. and S.E. Begin descent through heavy pine and spruce timber.
40.00	Set a trachyte stone 18x14x12 ins. 12 ins. in the ground, for ¼ sec. cor. marked ¼ S. 32 on W. and 33 on E. faces: from which
	A spruce, 10 ins. diam. bears S. 80° E. 4 lks. dist. marked ¼ S. 33. B. T.
	A spruce, 5 ins. diam. bears S. 45° W. 4 lks. dist. marked ¼ S. 32. B. T.
75.80	Dry Hollow Canon, 300 ft. deep Course N.W. Begin ascent through heavy aspen timber.
80.00	Set a trachyte stone 13x8x8 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. edges from which A aspen, 13 ins. diam. bears N. 60° E. 13 lks. dist. marked

Subdivision of T. 29 S. R. 5 W. Continued

Chains	
	T. 29 S. R. 5 W. S. 28. M. T.
	A aspen, 12 ins. diam. bears S. 58° E.
	22 lks. dist. marked
	T. 29 S. R. 5 W. S. 33. M. T.
	A aspen, 4 ins. diam. bears S. 20° W.
	21 lks. dist. marked
	T. 29 S. R. 5 W. S. 32. M. T.
	A aspen, 12 ins. diam. bears N. 20° W.
	29 lks. dist. marked
	T. 29 S. R. 5 W. S. 29. M. T.
	Land mountainous.
	Soil stony loam, 3rd Rate.
	Timber Aspen and pine and Spruce.
	Heavily timbered on mountainous
	land. 80.00 chs.
	E. on a random line, bet.
	Secs. 28 and 33.
40.00	Set temp. ¼ Sec. Cor.
79.96	Intersect R. and S. line, 5 lks N.
	of Cor. of Secs. 27, 28, 33 and 34.
	Thence run
	N. 89° 58' W. on a true line, bet.
	Secs. 28 and 33.
	Ascend through Aspen and
	heavy dead and fallen
	timber.
37.60	Leave dead and fallen timber.
	bears N.E. and S. W.
	Enter heavy pine timber.
39.97	Set a trachyte stone 14 x 14 x 6 ins. 10
	ins. in the ground, for ¼
	Sec. Cor. unmarked. ¼ S. 28 on
	N. and 33 on S. faces:
	from which
	A pine, 12 ins. diam. bears S. 30° E.
	20 lks. dist. marked ¼ S. 33, M. T.
	A pine, 6 ins. diam. bears N. 30 lks.

Subdivision of T. 29 S. R. 5 W. Contin

Chains	
	dist. marked ¼ S. 28, B. 7.
41.90	Top of ridge, bears N. and S.
	Leave pine timber, begin descent through heavy aspen timber
79.96	The cor. of secs. 28, 29, 32 and 33
	This cor. is 400 ft. below top of ridge.
	Land mountainous
	Soil, loam. 3rd Rate
	Timber aspen and pine
	Heavily timbered & Mountainous land, 79.96 chs.
	Aug. 7: At this cor. we set off 16° 25' N. on decl. arc: and at 0h 6' p. m. l. m. t. observe the sun on the meridian, the resulting lat. is 38° 16' N.
	N 0° 3' W. bet. secs. 28 and 29.
	Ascend, through heavy aspen timber, along S.W. slope of ridge.
40.00	Set a trachyte stone 12 x 11 x 6 ins. 8 ins. in the ground, for ¼ sec. cor. marked ¼ S. 29 on W. and 28 on E. faces:
	from which
	A aspen, 3 ins. diam. bears N. 8° E. 2 lks. dist. marked ¼ S. 28, B. 7.
	A aspen, 3 ins. diam. bears N. 5° W. 7 lks. dist. marked ¼ S. 29, B. 7.
42.30	Top of ridge, bears N.W. and S.E.
	Begin descent through heavy aspen and pine timber.
80.00	Set a trachyte stone 13 x 10 x 7 ins. 9 ins. in the ground, for cor. of secs. 20, 21, 28 and 29. marked with 2

Chains	
	notches on S. and 4 notches on E. edges from which A aspen 5 ins. diam. bears N. 70° E. 24 lks. dist. marked T. 29 S. R. 5 W. S. 21. B.T.
	A pine, 6 ins. diam. bears S. 20° E. 22 lks. dist. marked T. 29 S. R. 5 W. S. 28. B.T.
	A aspen, 5 ins. diam. bears S. 20° W. 13 lks. dist. marked T. 29 S. R. 5 W. S. 29. B.T.
	A pine, 6 ins. diam. bears N. 15° W. 5 lks. dist. marked T. 29 S. R. 5 W. S. 20. B.T.
	Land, mountainous.
	Soil clay and loam. 3rd Rate
	Timber aspen and pine.
	Scantily timbered and mountainous land 80.00 chs.
	S 89° 58' E. on a random line, dist. secs. 21 and 28.
40.00	Set stone. ¼ secs. Cor.
80.00	Intersect W. and S. lines, A Cor. of secs. 21, 22, 27 and 28.
	Thence on min N. 89° 58' W. on a true line dist. S. cos. 21 and 28.
	Descend, steep bank of Beaver Canon, through dense undergrowth.
12.00	East fork of Beaver Creek, 8 lks. wide, pure water, 12 ins. deep. and Canon, 800 ft. deep. Course N. W. begin ascent.
15.00	Enter heavy aspen and scattering pine timber bears N.W. and S.E.
31.20	Top of Span, projects N.

Subdivision of T. 29 S. R. 5 W. Cont.

Chains	
	Begin descent.
40.00	Set a trachyte stone 16 x 8 x 8 ins. 11 ins. in the ground, for ¼ sec. cor. marked ¼ S. 21 on N. and 28 on S. faces: from which
	A aspen, 18 ins. diam. bears N. 30° W. 4 lks. dist. marked ¼ S. 21 B. T.
	A aspen, 6 ins. diam. bears S. 87° E. 2 lks. dist. marked ¼ S. 28. B. T.
40.25	Ravine, 200 ft. deep, Course N.
66.50	Top of ridge, bears N. and S.
77.00	Ravine, 150 ft. deep, Course N.
80.00	The cor. of secs. 20, 21, 28 and 29.
	Land mountainous
	Soil, stony, clay and loam. 3rd Rate.
	Timber, aspen and pine.
	Heavily timbered, dense undergrowth or mountainous land. 80.00 chs.
	August 7, 1900

Aug. 8: At 8 A.M. l.m.t. eve set off 38° 16' 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. 20, 21, 28 and 29.

Thence: ave run N. 0° 3' W. bet. secs. 20 and 21. Over rolling land, ascend through heavy aspen and pine timber.

40.00	Set a trachyte stone 24 x 12 x 6 ins. 18 ins. in the ground, for ¼ sec. cor. marked, ¼ S. 20. on W. and 21. on E. faces: from which
	A aspen, 5 ins. diam. bears N. 3° E. 11 lks. dist. marked ¼ S. 21. B. T.
	A aspen, 3 ins. diam. bears N. 80° W.

Sub-division of T. 29 S. R. 5 W. Continued

Chains	
	14 lks. dist., marked ¼ S. 20, B. T.
44.90	Top of spur, projects E. descend
57.60	Top of trachyte ledges, 25 ft. high, bear N. W. and S. E.
66.30	Top of trachyte ledges, 50 ft. high, bear N. W. and S. E.: steep descent over disintegrated rock.
72.50	East fork of Beaver Creek, 10 lks. wide, pure water, 12 ins. deep and Canon 80.0 ft. deep, Course N. 60° E. Begin steep ascent over trachyte boulders and slide rock.
80.00	Point for Cor. of Secs. 16, 17, 20 and 21. falls on steep slope, subject to slides: we therefore run E. 3.55 Chs. dist. and mark a trachyte boulder 12 x 8 x 6 ft. above ground, for N. C. to Cor. of Secs. 16, 17, 20 and 21. marked with a cross (X) on exact point, and N. C. with 3 grooves on S. and 4 grooves on E. sides: from which An aspen, 2½ ins. diam., bears S. 50° E. 28 lks. dist., marked N. C., T. 29 S. R. 5 W., S. 21. B. T. An aspen, 2½ ins. diam., bears N. 60° E. 40 lks. dist. marked N. C. T. 29 S. R. 5 W. S. 16. B. T. No other bearing trees within limits. And raise a mound of stone, 2 ft. base, 1½ ft. high, E. of Cor. Pits impracticable. Land mountainous. Soil, stony and loam, 3rd and 4th Rate. Timber, aspen and pine. Mountainous land and heavily timbered. 80.00 Chs.

Subdivision of T. 29 S. R. 5 W. Con't

Chains	
	S. 89° 58' E. on a random line bet. secs. 16 and 21, from the point for cor. of secs. 16, 17, 20 and 21 witnessed 3.55 chs. east.
40.00	Set temp. ¼ sec. cor.
80.00	Intersect N. and S. line, 5 lks. S. of cor. of secs. 15, 16, 21 and 22. Thence we run West, on a true line, bet. secs. 16 and 21. Descend through scattering pine and aspen timber.
4.05	S. fork of Three Creek, 2 lks. wide, pine water, 2 ins. deep. Course N. W.
5.25	Begin ascent through heavy aspen and pine timber.
29.60	Top of spur, projects N. descend.
34.35	Drain, 50 ft. deep, Course N. ascend.
40.00	Set a trachyte stone, 12 x 10 x 5 ins., 8 ins. in the ground, for ¼ sec. cor. marked ¼ S. 16. on N. and 21. on S. faces: from which An aspen, 5 ins. diam., bears N. 85° W. 3 lks. dist. marked ¼ S. 16. B. T. An aspen, 4 ins. diam., bears S. 30 E. 9 lks. dist. marked ¼ S. 21. B. T.
43.60	Top of spur, projects N. descend.
66.07	Trail, bears N. W. and S. E. ascend.
71.00	Top of ridge, bears N. W. and S. E. descend.
76.45	Witness Cor. of Cor. of secs. 16, 17, 20 and 21.
76.90	Top of broken trachyte ledges, 30 ft. high, bears N. W. and S. E.
80.00	Cor. to secs. 16, 17, 20 and 21, falls on steep slope and cannot be set. Land mountainous. Soil stony and loam, 3rd and 4th Rate. Timber, aspen and pine. Mountainous, land and heavily timbered 80.00 chs.

Subdivision of T. 29 S. R. 5 W. Continued

Chains		
	From the W. C. of Cor. of secs. 16, 17, 20 and 21. Set E. 3.55 chs. of true point for Cor. we run N. 0° 3' W. on an offset line.	
2.29	Top of steep stony slope, we offset 3.55 chs. W. and set a trachyte stone 4 x 12 x 6 ins. 9 ins. in the ground, on the true line, for W. C. to Cor. of secs. 16, 17, 20 and 21, marked W. C. on N. face and 3 notches on S. and with 4 notches on E. edges: and raise a mound of stone, 2 ft. base, 1½ ft. high N. of Cor. Pits impracticable. Thence we run N. 0° 3' W. on a true line bet. secs. 16 and 17. Ascending over stony soil through heavy aspen and pine timber.	2
5.29	Top of ridge. bears E. and W. Begin descent.	
20.90	Enter open Country leave heavy timber bears E. and W.	
40.00	Set a trachyte stone 20 x 8 x 8 ins, 15 ins. in the ground, for ¼ sec. Cor. marked ¼ S. 17 on W. and 16 on E. faces: and raise a mound of stone, 2 ft. base, 1½ ft. high. W. of Cor. Pits impracticable	
48.50	Leave open Country enter pine timber bears E. and W.	
54.24	Top of perpendicular trachyte ledges, 800 ft. high, bear E. and W. point for triangulation. To determine the distance to a point beyond the ledges	

Chains	
	we set a flag on line on the north bank of Three Creek: then measure a base S. 89° 54' W. 20.00 chs. to a point from which the flag bears N. 45° 36' E.; from the flag the W. end of the base bears S. 45° 36' W.; therefore the dist. is tan. 44° 21' x base or 0.99756 x 20.00 = 19.95 chs: making the distance 54.24 + 19.95
73.79	North bank of Three Creek, 12 lks. wide, fine water, 18 ins. deep, Course N. 80° W.
	Begin ascent through oak brush and aspen timber
— 80.00	Set a trachyte 14 x 12 x 8 ins. 10 ins. in the ground, for cor. of Secs. 8, 9, 16 and 17, marked with 4 notches on S. and 4 notches on E. edges:
	from which
	A aspen, 6 ins. diam. bears N. 8° E. 37 lks. dist. marked T. 29 S. R. 5 W. S. 9, 13. 7.
	A aspen, 6 ins. diam. bears S. 45° E. 21 lks. dist. marked T. 29 S. R. 5 W. S. 16, 13. 7.
	A aspen, 4 ins. diam. bears S. 15° W. 12 lks. dist. marked T. 29. S. R. 5 W. S. 17, 13. 7.
	A aspen, 14 ins. diam. bears N. 76° W. 28 lks. dist. marked T. 29 S. R. 5 W. S. 8, 13. 7.
	Land, Mountainous.
	Soil Stony and loam, 3rd and 4th Rate
	Timber aspen and pine
	Mountainous land in dense undergrowth. 80.00 chs.

Subdivision of T. 29 S. R. 5 W. Continued

Chains	
	Aug. 8. At this cor. we set off 16° 08' N. on the decl. arc: and at 0h 5½ p. m. l. m. t. observe the sun on the meridian, the resulting lat. is 38° 18' N.
	E. on a random line bet. secs. 9 and 16.
40.00	Set temp. ¼ sec. cor.
80.00	Intersect N. and S. line, at cor. of secs. 9, 10, 15 and 16.
	Thence we run
	W. on a true line, bet. secs. 9 and 16
	Over rolling open country.
5.00	Road from Beaver to Puffer Lake, bears N. W. and S. E.
15.00	South fork of Three Creek, 2 lks. wide, pure water, 4 ins. deep, Course N. W.
25.35	Top of Spur, projects N. E. Enter heavy aspen and pine timber, bears N. E. and S. W.
34.50	Spring branch, Course N, 1 lk. wide.
40.00	Set a trachytes stone 16 x 13 x 6 ins. 11 ins. in the ground, for ¼ sec. cor. marked ¼ S. 9, on N. and 16 on S. faces: from which
	A pine, 20 ins. diam. bears N. 85° W. 13 lks. dist. marked ¼ S. 9. B. T.
	A pine, 6 ins. diam. bears S. 85° W. 6 lks. dist. marked ¼ S. 16. B. T.
40.25	Top of rocky spur, 300 ft. high, projects N.
52.90	Three Creek, 12 lks. wide, pure water, 12 ins. deep, and Canon, 300 ft. deep, Course S. 80° W.
	Begin ascent over boulders.

Subdivision of T. 29 S. R. 5 W. Contin

Chains	
76.00	Top of rocky spur, 250 ft. high, projects S. begin descent.
80.00	The Cor. of secs. 8, 9, 16 and 17. Land mountainous. Soil, stony and loam, 3rd and 4th Rate Timber aspen and pine. Mountainous land. 80.00 chs.

Aug. 9: Get 8 a.m., l.m.t. we set off 38°18' N on the lat. arc: 15°54' on the decl. arc: and determine a true meridian with the solar, at the Cor. of secs. 8, 9, 16 and 17.
N. 0°3' W. bet. secs. 8 and 9.
Ascending through dense artimesa, pine and aspen timber.

2.50	Top of trachyte ledges, 50 ft. high. bear E. and W.
6.00	Point of Grizzly Ridge, bears N.E. & SW Begin descent.
20.85	North fork of Beaver Creek, 10 lks. wide, pure water, 12 ins. deep Course S. W. begin ascent. Leave timber, enter open Country.
23.25	Road from Beaver to Puffer Lake, bears N.E. and S. W.
29.40	Enter heavy aspen timber. bears N.E. and S. W.
40.00	Set a trachyte stone 16x12x4 ins. 11 ins. in the ground, for ¼ sec. cor. marked ¼ S. 8 on W. and 9 on E. faces: from which A aspen, 6 ins. diam. bears W. 48 lks. dist. marked ¼ S. 8, B. 7. A aspen, 4 ins. diam, bears S. 5° E. 19 lks. dist. marked ¼ S. 9, B. 7.
46.00	Top of spur, projects E.

Subdivision of T. 29 S. R. 5 W. Continued

Chains	
	Begin descent.
64.90	Spring branch, 1 lk wide. Course S. E.
80.00	Set a trachyte stone 18×7×7 ins. 12 ins. in the ground, for cor. of secs. 4, 5, 8 and 9, marked with 5 notches on S. and 4 notches on E. edges: from which
	A aspen, 5 ins. diam. bears N. 85° E. 11 lks. dist. marked, T. 29 S. R. 5 W. S. 4, B. T.
	A aspen, 5 ins. diam. bears S. 50° E. 24 lks. dist. marked T. 29 S. R. 5 W. S. 9, B. T.
	A aspen, 5 ins. diam. bears S. 8° W. 14 lks. dist. marked T. 29 S. R. 5 W. S. 8, B. T.
	A aspen, 5 ins. diam. bears N. 85° W. 9 lks. dist. marked T. 29 S. R. 5 W. S. 5, B. T.
	Land mountainous
	Soil, stony and loam. 3rd and 4th Rate
	Timber, aspen and pine.
	Dense undergrowth, mountainous land or heavily timbered. 80.00 lks.
	E. on a random line, bet. secs. 4 and 9.
40.00	Set temp. ¼ sec. cor.
80.00	Intersect N. and S. line, at cor. of secs. 3, 4, 9 and 10.
	Thence rie run
	W. on a true line, bet. secs. 4 and 9.
	Ascend through heavy aspen and pine timber.
4.85	Log road, bears N. and S.
30.00	Top of ridge, bears N. and S.
40.00	Set a trachyte stone 12×10×8 ins. 8 ins. in the ground, for ¼ sec. cor. marked ¼ S. 4 on N. and 9 on S. faces: from which
	A aspen, 5 ins. diam. bears N. 20° E. 56 lks. dist. marked ¼ S. 4, B. T.
	A aspen, 5 ins. diam. bears S. 70° W.

Chains	
	20 lks. dist. marked ¼ S. 9. B. T.
	Aug 9. At this cor. we set off 15°51' N.
	on the decl. arc: and at 0°5' p.m.
	l. m. t. observe the sun on
	the meridian, resulting lat. is 38°19' N.
62.70	West fork of Beaver,
	Creek 5 lks. wide, pure water, 6
	ins. deep. Course S.
	Begin ascent.
65.70	Top of trachyte ledges 25 ft. high
	bear N. and S.
73.00	Top of spur, projects S. E.
80.00	The cor. of secs. 4, 5, 8 and 9.
	Land mountainous
	Soil, stony and loam. 3rd and 4th Rate
	Mountainous land and heavily
	timbered. 80.00 chs.
	N. 0°3' W. on a random line bet. secs.
	4 and 5.
40.00	Set temp. ¼ sec. cor.
76.00	Intersect N. bdy. of Tp. at cor. of
	secs. 4, 5, 32 and 33. heretofore described.
	Thence we run
	S. 0°3' E. on a true line bet. secs.
	4 and 5
	Over rolling land, descend
	through heavy aspen and
	scattering pine timber.
2.70	Spring branch. Course S. E. 1 lk. wide
36.00	Set a trachyte 12 x 11 x 6 ins. 8 ins. in
	the ground, for ¼ sec. cor. marked
	¼ S. 5 on W. and 4 on E. faces:
	from which
	A aspen, 2½ ins. diam. bears S. 40° W.
	19 lks. dist. marked ¼ S. 5. B. T.
	A aspen, 3 ins. diam. bears N. 60° E.
	5 lks. dist. marked ¼ S. 4. B. T.

Subdivision of T. 29 S. R. 5 W. Continued.

Chains	
76.00	The cor. of secs. 4, 5, 8 and 9.
	Land rolling.
	Soil loam. 3rd Rate.
	Timber, aspen and pine.
	Heavily timbered. 76.00 lks.
	August 9, 1900
	Aug. 10. Gt 8 A.M., L.M.T., we set off 38°15' N on the lat. arc: 15°37' N. on the decl. arc: and determine a true meridian with the Solar at the cor. of secs. 5, 6, 31 and 32. on the S. bdy. of the Tp. heretofore described. Thence we run N. 0°3' W. bet. secs. 31 and 32. Over rolling land ascend through heavy aspen timber.
5.00	Top of ridge, bears N.W. and S.E. Begin descent, through pine timber.
30.00	Top of trachyte ledges. 200 ft. high, bear N.W. and S.E. descend.
40.00	Set a trachyte stone 18 x 10 x 5 ins. 12 ins. in the ground, for ¼ sec. cor. marked ¼ S. 31 on W. and 32 on E. faces: and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor. Pits impracticable. This ¼ sec. cor. is situated in bottom of Beaver Canon.
48.50	South fork of Beaver Creek, 12 lks. wide, 12 ins. deep, pure water. and Canon 250 ft. deep, Course N. W. Begin ascent.
60.00	Top of trachyte ledges 150 ft. high, bear N.W. and S.E.

Subdivision of T. 29 S. R. 5 W. Con

Chains	
	Over rolling land, through dense artimesa and scattering aspen and pine timber.
76.00	Spring branch, 1 lk. wide. S. W.
79.50	Spring branch, 1 lk. wide. S. W.
80.00	Set a trachyte stone 18 x 9 x 5 ins. 12 ins. in the ground, for ¼ sec. Cor. 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, stony and loam. 3rd and 4th Rate. Timber, aspen and pine. Dense undergrowth, Mountainous land or heavily timbered. 80.00 chs.
	E. on a random line bet. secs. 29 and 32.
40.00	Set temp. ¼ sec. cor.
80.10	Intersect N. and S. line. 5 lks. N. of Cor. of secs. 28, 29, 32 and 33. Thence we run N. 89° 58' W. on a true line, bet. secs. 29 and 32 Descend through heavy aspen timber.
4.10	Bottom of Dry Hollow Canon 300 ft. deep, Course N. W. Begin ascend through heavy aspen and pine timber.
21.25	Top of spur, projects N. W.
28.35	Drain, 100 ft. deep. course N.
38.90	Point for ¼ sec. cor. is subject to slides, therefor we set a trachyte stone 14 x 12 x 5 ins. 10 ins. in the ground, for W. C. to ¼ sec.

Subdivision of T. 29 S., R. 5 W. Continued.

Chains	
	Cor. marked W. C. ¼ S. 29. on N. and 32. on S. faces:
	from which
	An aspen, 6 ins. diam., bears N. 3° E. 10 lks. dist., marked W. C., ¼ S. 29. B. T.
	An aspen, 7 ins. diam., bears S., 10 lks. dist., marked W. C. ¼ S. 32. B. T.
49.00	Top of ridge, bears N. W. and S. E.
	Begin descent, through dense artimesa and scrub oak.
80.10	The cor. of secs. 29, 30, 31 and 32.
	Land rolling.
	Soil, stony and loam, 3rd and 4th Rate.
	Timber, aspen and pine.
	Dense undergrowth or heavily timbered 80.10 chs.
	Aug. 10: At this cor. we set off 15° 33' N. on the decl. arc: and at 0h. 5m. p. m., l. m. t., observe the sun on the meridian, the resulting lat. is 38° 16' N.
	Knowing from the resurvey of the E. bdy of Fort Cameron Wood and Timber Reservation, line bet. secs. 30 and 31 will not close within limits, We run West on a true line.
	bet. secs. 30 and 31.
	Over rolling land, descend through dense artimesa and scattering aspen and pine timber.
9.81	S. fork of Beaver Creek, 5 lks. wide, pure water, 12 ins. deep, Course N. W.
	Begin ascent.
37.31	Trail, from Beaver to Kent's Reservoir, bears N. W. and S. E.
40.00	Set a trachyte stone 16 x 10 x 6 ins., 11 ins. in the ground, for ¼ sec. cor. marked ¼ S. 30, on N. and 31, on S. faces: and raise a mound of stone, 2 ft. base, 1½ ft. high, N. of Cor.
	Pits impracticable.

Subdivision of T. 29 S., R. 5 W. Continued

Chains	
44.80	Enter heavy aspen and pine timber, bears N.W. and S.E.
90.81	Intersect E. bdy. of The Fort Camion Wood and Timber Reservation; 13.09 chs. N. 2° 30' E. from Closing Cor. for Secs. 30 and 31, T 29 S. R. 5 W. heretofore described, Set a trachyte stone, 18 x 10 x 8 ins. 12 ins. in the ground for Closing Cor. of Secs. 30 and 31, marked C.C. on E. face: 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 stony, 3rd Rate. Timber aspen and pine. Mountainous land, dense undergrowth on heavily timbered, 90.81 chs.
	N. 0° 3' W. bet. Secs. 29 and 30. Over stony land, ascend through dense artibesia and scrub oak.
29.00	Top of ridge, bears N.W. and S.E. 500 ft. above Cor. of Secs. 29, 30, 31 and 32. Begin descent
31.00	Enter heavy aspen and scattering pine timber, bears N.W. and S.E.
40.00	Set a trachyte stone, 14 x 10 x 8 ins. 10 ins. in the ground, for ¼ Sec. Cor. marked ¼ S. 30, on W. and 29, on E. faces; from which Cor. aspen, 5 ins. diam., bears N. 10° E. 13 lks. dist., marked ¼ S. 29, B.T.

Subdivision of T. 29 S. R. 5 W. Continued

Chains	
	An aspen, 4 ins. diam., bears S. 20° W. 8 lks. dist., marked ¼ S. 30, B. T.
61.00	Dry Hollow, Creek, 5 lks. wide, pure water, 6 ins. deep. and Cañon 200 ft. deep, Course W. Begin ascent, over rocky soil, through dense scrub oak and mahogany brush.
80.00	Set a trachyte stone, 18 x 8 x 5 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: and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of Cor. Pits impracticable. Land mountainous. Soil, loam and stony, 3rd and 4th Rate. Timber, aspen and pine. Mountainous land, heavily timbered, or dense undergrowth. 80.00 chs. August 10, 1900.
	August 11: At 8 A.M., l.m. t. we set off 38° 16' N. on the lat. arc: 15° 19' N. on the decl. arc: and determine a true meridian, with the solar, at the Cor. of secs. 19, 20, 29 and 30. Thence we run S. 89° 58' E. on a random line, bet. secs. 20 and 29.
40.00	Set temp. ¼ sec. cor.
80.06	Intersect N. and S. line, 3 lks. S. of the Cor. of secs. 20, 21, 28 and 29. Thence we run N. 89° 59' W. on a true line, bet. secs. 20 and 29.

Subdivision of T. 29 S., R. 5 W. Con't

Chains	
	Over rolling land, ascend through heavy aspen timber.
14.00	Top of ridge, bears N. W. and S. E. Begin descent.
40.03	Set a trachyte stone, 15 x 9 x 6 ins. 10 ins. in the ground, for ¼ sec. cor., marked ¼ S. 20. on N. and 29. on S. faces: from which An aspen, 5 ins. diam., bears N. 15° W., 35 lks. dist.: marked ¼ S. 20, B. T. An aspen, 2 ins. diam., bears S. 22 lks. dist., marked ¼ S. 29. B. T.
48.00	Top of trachyte ledges, 30 ft. high, bear N. and S.
62.00	Leave timber, bears N. and S. enter dense oak brush and mahogany.
75.00	Ravine, 150 ft. deep, Course S. Begin steep ascent.
80.06	The Cor. of secs. 19, 20, 29 and 30. Land, rolling. Soil, stony and loam, 3rd and 4th Rate. Timber aspen. Dense undergrowth on heavily timbered. 80.06 chs.

Knowing from the resurvey of the E. bdy. of The Fort Cameron Wood and Timber Reservation, line bet. secs. 19 and 30 will not close within limits.

Therefore we run West, on a true line, bet. secs. 19 and 30 Descend, over stony broken land, through dense oak, artimesia, sumach and mahogany.

Subdivision of T. 29 S. R. 5 W. Continued.

Chains	
14.93	Llaw, 50 ft. deep, drains S.
20.35	Point for ¼ sec. cor. falls on steep slope, subject to slides: Mark a quartzite boulder, 8 x 4 x 3 ft. above ground, for witness Cor. to ¼ sec. cor., marked with a (X) cross at exact point, and W. C. ¼ S. 19 on W. and 30, on S. sides: and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor. Pits impracticable
40.00	Point for ¼ sec. cor. falls on steep slide rock, subject to slides, and cannot be set.
47.60	Dry Hollow Creek (now dry) in Canon 400 ft. deep. Course N. W. Begin steep ascent over stony land.
62.43	Top of trachyte ledges, 50 ft. high, bear N. W. and S. E. Begin descent
87.43	Intersect E. bdy. of the Fort Cameron Wood and Timber Reservation 9.68 Chs. N. 2° 30' E. from Closing cor. of secs. 19 and 30, T. 29 S., R. 5 W. heretofore described Set a trachyte stone, 18 x 10 x 10 ins. 12 ins. in the ground, for Closing cor. of secs. 19 and 30, marked C. C. on E. face, with 4 grooves on N. and 2 grooves on S. faces: and raise a mound of stone, 2 ft. base, 1½ ft. high, E. of cor. Pits impracticable Land mountainous. Soil, stony 4th Rate.

Subdivision of T. 29 S. R. 5 W. Continu

Chains	
	No timber Dense undergrowth or mountainous land, 87.43 chs. Aug. 11: At this Cor. we set off 15° 16' N. on the decl. arc: and at 0h. 5m. p. m., l. m. t. observe the sun on the meridian, the resulting lat. is 38° 16' N.
	N. 0° 3' W. bet. secs. 19 and 20. Over stony, broken land ascend through dense oak, laurel and Mahogany brush.
10.25	Top of spur, projects E. descend.
19.50	Ravine, 150 ft. deep, Course S. E. Ascend, through scattering pine and aspen timber.
33.00	Top of rocky ridge, bears E. and W. descend.
40.00	Set a trachyte stone 14 x 10 x 6 ins. 10 ins. in the ground, for ¼ sec. Cor. marked ¼ S. 19, on W. and 20, on E. faces: from which An aspen, 3 ins. diam., bears N. 60 W. 42 lks. dist., marked ¼ S. 19, B. T. An aspen, 3 ins. diam., bears S. 70 W. 34 lks. dist., marked ¼ S. 20, B. T. Begin abrupt descent.
68.00	Ravine, 500 ft. deep. Course N. W. ascend.
80.00	Top of Spur, Covered with charred dead timber, projects N. W. Set a trachyte stone, 18 x 10 x 8 ins. 12 ins. in the ground, for Cor. of secs. 17, 18, 19 and 20, marked with 3 notches on S. and with

Subdivision of T. 29 S., R. 5 W. Continued

Chains	
	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, 4th Rate Timber, aspen and pine. Mountainous land, 80.00 chs.
	S. 89° 59' E. on a random line, bet. Secs. 17 and 20.
40.00	Set temp. ¼ sec. cor.
80.12	Intersect N. and S. line, S. 0° 3' E. 2.29 chs. dist. of witness cor. to Secs. 16, 17, 20 and 21. Thence we run N. 89° 59' W. on a true line bet. Secs. 17 and 20. Over broken trachyte ledges, and boulders, descend through scattering aspen and pine timber.
35.00	East fork of Beaver Creek, 10 lks. wide, pure water, 12 ins. deep, and Canon 500 ft. deep. Course N. 65° W. Begin ascent, along the steep Slope of the left bank of Beaver Canon.
40.06	Set a trachyte stone, 18x12x5 ins., 12 ins. in the ground, for ¼ Sec. cor. marked ¼ S. 17. on N. and 20, on S. faces; and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor. Pits impracticable.
80.12	The cor. of Secs. 17, 18, 19 and 20. Land mountainous. Soil, stony, 4th Rate.

Chains	
	Timber, aspen and pine. Mountainous land, 80.12 chs.
	Knowing from the resurvey of the E. bdy. of the Fort Cameron Wood and Timber Reservation, line bet. secs. 18 and 19, will not close within limits. Therefore we run West, on a true line, bet. secs. 18 and 19. Over broken land, descend through channel dead pine timber.
5.02	Beaver Creek, 15 lks. wide, pure water, 15 ins. deep, and Canon 1000 ft. deep. Course S. W.
	Begin ascent over stony land through dense artimesa, scrub oak and mahogany brush.
40.00	Set a trachyte stone, 15 x 9 x 6 ins. 10 ins. in the ground, for ¼ sec. cor. marked ¼ S. 18 on W. and 19. on S. faces; and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor. Pits impracticable.
84.02	Intersect E. bdy. of the Fort Cameron Wood and Timber Reservation 6.27 chs. N. 2° 30' E. of closing cor. of secs. 18 & 19, T. 29 S., R. 5 W. heretofore described. Set a trachyte stone, 16 x 9 x 9 ins. 11 ins. in the ground, for closing cor. of secs. 18 and 19, marked C.C. on E. face, with 3 grooves on W. and S.

Subdivision of T. 29 S. R. 5 W. Continued.

Chains	
	faces: and raise a mound of stone, 2 ft. base, 1½ ft. high, E. of cor. Pits impracticable. Land mountainous. Soil stony 4th Rate Timber, aspen and pine. Mountainous land, 84.62 chs. August 11, 1900.
	August 12: At 8 A.M. l. m. t. we set off 38° 17' N. on the lat. arc: and 15° 01' N. on the decl. arc: and determine a true meridian with the solar, at the cor. of secs. 17, 18, 19 and 20. Thence we run N. 0° 3' W. bet. secs. 17 and 18. Over broken, stony land, descend through scattering aspen and pine timber.
5.00	Beaver Creek. 15 lks. wide, pure water, 15 ins. deep and Cañon 1000 ft. deep. Course S. W. Begin ascent through dense artimesa and oak brush.
40.00	Set a trachyte stone 16×10×4 ins. 11 ins. in the ground, for ¼ sec. Cor. marked ¼ S. 18. on W. and 17, on E. faces: and raise a mound of stone, 2 ft. base, 1½ ft. high. W. of cor. Pits impracticable.
41.75	Top of ridge; bears N. W. and S. E. Descend over rolling land.
74.00	Ravine, 80 ft. deep. Course S. E. Ascend.
80.00	Set a trachyte stone 12×12×10 ins. 8 ins. in the ground, for cor.

Chains	
	of secs. 7. 8. 17 and 18. marked with 4 notches on S. and 5 notches on E. edges.
	from which
	An aspen, 8 ins. diam., bears N. 52° 30' E. 40 lks. dist., marked T. 29 S., R. 5 W., S. 8, B. T.
	An aspen, 4 ins. diam. bears S. 38° E. 13 lks. dist. marked T. 29 S., R. 5 W., S. 17, B. T.
	An aspen, 4 ins. diam., bears S. 66° W. 28 lks. dist., marked T. 29 S., R. 5 W. S. 18, B. T.
	An aspen, 5 ins. diam., bears N. 33° W. 9 lks. dist., marked T. 29 S., R. 5 W. S. 7, B. T.
	Land mountainous.
	Soil stony 4th Rate
	Timber, aspen and pine.
	Mountainous land. 80.00 chs.
	S. 89° 59' E. on a random line,
	bet. secs. 8 and 17.
40.00	Set temp. ¼ sec. cor.
80.00	Intersect N. and S. line, 3 lks. S. of Cor. of secs. 8, 9, 16 and 17.
	Thence we run
	West on a line line
	bet. secs. 8 and 17.
	Ascend through heavy aspen and pine timber
9.50	Leave timber bears N. and S.
	enter bottom land.
16.30	North fork of Beaver Creek, 10 lks. wide, pine water, 8 ins. deep.
	Course S. 40° W.
	Begin ascent
31.50	Enter heavy aspen and pine timber.

Subdivision of T. 29 S., R. 5 W. Continued.

Chains	
	bears N. E. and S. W.
40.00	Set a trachyte stone, 16 x 10 x 6 ins. 11 ins. in the ground, for ¼ sec. cor. marked ¼ S. 8: on N. and W. on S. faces: from which An aspen, 3 ins. diam., bears N 15° W. 7 lks. dist. marked ¼ S. 8., B. T. An aspen, 6 ins. diam. bears S. 10° W. 18 lks. dist. marked ¼ S. 17. B. T.
50.00	Top of ridge, bears N. and S. descend.
59.00	Lousy Jim Creek, 6 lks. wide, pure water, 4 ins. deep, and Canon 800 ft. deep, Course S. ascend.
80.00	The cor. of secs. 7, 8, 17 and 18. Land mountainous. Soil Stony, 4th rate Timber, aspen and pine. Mountainous land, 80.00 chs. August 12: At this cor. we Set off 14° 58' E. on decl. arc: and at 0h 5m p. m. l. m. b., observe the sun on the meridian, the resulting lat. is 38° 18' N.

Knowing, the line bet. secs. 7 and 18 will not close within limits, on the west bdy. of T. 29 S. R. 5 W.

We run West on a true line bet. secs. 7 and 18.

	Ascend, through heavy aspen and scattering pine timber:
13.50	Top of ridge bears N. and S. descend.
20.00	Begin ascent.
26.00	Top of spur, projects N. descend.

Subdivision of T. 29 S. R. 5 W. Contn

Chains	
29.80	Ravine, 60 ft. deep; Course N. E. ascend
40.00	Set a Brachyle Stone, 16 x 8 x 6 ins. 11 ins. in the ground for ¼ sec. Cor. marked ¼ S. 7. on N. and 18. on S. faces: from which An aspen, 3 ins. diam., bears N. 75° E. 3 lks. dist. marked ¼ S. 7. B. T. An aspen, 4 ins. diam, bears S. 25° E. 8 lks. dist. marked ¼ S. 18. B. T.
46.00	Top of ridge, bears N. and S. descend.
74.30	Old Beaver to Puffer Lake bears N. 25° E. and S. 25° W.
75.10	Ravine, 300 ft. deep; Course N. 25° E. Ascend.
76.70	Road from Beaver to Puffer Lake, bears N. 35° E. and S. 35° W.
81.00	Top of spur, projects S. descend.
85.32	Intersect east bdy. of Tp. 4.10 chs. N. of cor. of secs. 7, 12, 13 and 18. which is a Brachyle Stone 6 x 8 x 6 ins. above ground marked and witnessed as described by the Surveyor General. Set a Brachyle Stone. 14 x 12 x 8 ins. 10 ins. in the ground, for closing Cor. of secs. 7 and 18. marked C. C. on E. face; with 4 grooves on S., and 2 grooves on N. faces: from which An aspen, 6 ins. diam., bears N. 83° 30' E. 5 lks. dist. marked T. 29 S., R. 5 W., S. 7. B. T. An aspen, 4 ins. diam., bears S. 13° E. 12 lks. dist. marked T. 29 S., R. 5 W. S. 18. B. T. Witness marks on old cor. pertaining to T. 29 S. R. 5 W. Land mountainous Soil Stony and loam, 3rd and 4th Rate

Subdivision of T. 29 S. R. 5 W. Continued

Chains	
	Timber, aspen and pine. Heavily timbered mountainous land 85.32 chs.
	N. 0° 5' W. bet. secs. 7 and 8. Over rolling land, ascend through heavy aspen and pine timber.
8.30	Top of spur, projects E. descend.
17.00	Lousy Jim Creek, 6 lks. wide, pure water, 4 ins. deep, and Canion 600 ft. deep, Course S. E. Ascend
22.40	Road from Beaver to Puffer Lake, bears N. W. and S. E. Leave timber, bears N. W. and S. E.
27.50	Top of rocky spur, projects S. W. enter heavy timber bears N. W. and S. E.
33.00	Top of ridge, bears N. W. and S. E. Descend.
40.00	Set a trachyte stone, 24 x 20 x 12 ins. 18 ins. in the ground, for ¼ sec. cor. marked ¼ S. 7. on W. and 8. on E. faces: from which An aspen, 3 ins. diam., bears S. 70° E. 13 lks. dist. marked ¼ S. 8. B. T. An aspen, 4 ins. diam., bears S. 30° W. 18 lks. dist. marked ¼ S. 7. B. T.
80.00	Set a trachyte stone, 12 x 10 x 10 ins. 8 ins. in the ground, for cor. of secs. 5, 6, 7 and 8. marked with 5 notches on S. and E. edges: from which An aspen, 5 ins. diam., bears N. 75° E. 9 lks. dist. marked T. 29 S., R. 5 W., S. 5. B. T.

Chains	
	An aspen, 7 ins. diam., bears S. 80° E., 30 lks. dist., marked T. 29 S., R. 5 W., S. 8, B. T.
	An aspen, 4 ins. diam., bears S. 50° W., 14 lks. dist. marked T. 29 S., R. 5 W. S. 7. B. T.
	An aspen, 4 ins. diam., bears N. 30° W., 35 lks. dist., marked T. 29 S., R. 5 W., S. 6. B. T.
	Land rolling.
	Soil stony 3rd Rate.
	Timber, aspen and pine.
	Heavily timbered 80.00 chs.
	August 12, 1900.
	August 13, At 8 p. m., l. m. t. run set off 38° 19' W. on the Lat. arc: 14° 43' W. on the Decl. arc: and determine a line meridian, with the solar, at the cor. of secs. 5, 6, 7 and 8.
	Thence run East, on a random line, bet. secs. 5 and 8.
40.00	Set temp. ¼ sec. cor.
80.02	Intersect W. and S. line, at cor. of secs. 4, 5, 8 and 9.
	Thence run West, on a line line, bet. secs. 5 and 8.
	Run rolling land, descend through heavy aspen and pine timber.
4.85	Spring branch, 1 lk. wide, Course S. E. ascend.
40.01	Set a trachyte stone, 15 x 11 x 4 ins. 10 inb. in the ground, for ¼ sec. cor. marked ¼ S. 5, on

Subdivision of T. 29 S. R. 5 W. Continued

Chains	
	W. and S. on S. faces: from which
	An aspen, 5 ins. diam., bears W. 50° E.
	14 lks. dist., marked ¼ S. 5, B. T.
	An aspen, 4 ins. diam., bears S. 5° W., 15
	lks. dist., marked ¼ S. 8, B. T.
46.00	Top of ridge, bears N. E. and S. W.
	descend.
74.60	Spring branch, 1 lk. wide, Course S.
80.02	The Cor. of Secs. 5, 6, 7 and 8.
	Land rolling.
	Soil, stony loam, 3rd Rate.
	Timber, aspen and pine.
	Heavily timbered 80.02 chs.

Knowing, the line, bet. Secs. 6 and 7, will not close within limits on the west bdy. of Tp. 29 S. R. 5 W.

We run
West on a true line,
bet. Secs. 6 and 7.

Ascend through heavy aspen and pine timber.

9.00	Top of ridge, bears W. and S., descend.
35.40	Sandy Jim Creek, 2 lks. wide, pure
	water 6 ins. deep, Course S. W. ascend.
40.00	Set a Quartzite stone, 14 x 12 x 4 ins. 10 ins.
	in the ground, for ¼ Sec. Cor., marked
	¼ S. 6, on W. and 7, on S. faces;
	from which
	An aspen, 7 ins. diam., bears W. 75° W. 63
	lks. dist., marked ¼ S. 6, B. T.
	An aspen, 5 ins. diam., bears S. 60° E. 37
	lks. dist., marked ¼ S. 7, B. T.
	This ¼ Sec. Cor. is on top of a spur
	projecting S., descend.
44.10	Ravine, 100 ft. deep, Course S. 20° E. ascend.
85.30	Intersect W. bdy. of Tp., 4.10 chs. W.
	of the Cor. of Secs. 1, 6, 7 and 12.

Chains

which is a trachyte stone, 5 x 12 x 6 ins. above the ground, marked and witnessed as described by the Surveyor General.
Set a trachyte stone, 18 x 10 x 10 ins. 12 ins. in the ground, for closing Cor. of Secs. 6 and 7. marked C.C. on E. face, with 5 grooves on S. and 1 groove on N. faces: from which
A pine, 5 ins. diam., bears N. 32° E. 27 lks. dist., marked T. 29 S., R. 5 W., S 6. B. T.
An aspen, 3 ins. diam. bears S. 10° E. 11 lks. dist. marked T. 29 S., R. 5 W., S. 7. B. T.
No identifying marks on ale Cor, pertaining to T. 29 S. R. 5 W.
Land rolling.
Soil. Stony loam. 3rd Rate.
Timber. aspen and pine.
Heavily timbered 85.30 chs.
Angle 1-13: at this Cor. we set off 94° 39' N. on decl. arc: and at 0h 5m p. m., L. M. T. observe the sun on the meridian, the resulting Lat. is 38° 19' N.

N. 0° 3' W. bet. secs. 5 and 6, on a random line.

40.00 Set temp. ¼ Sec. Cor.

76.06 Intersect N. bdy. of Tp. at Cor. of Secs. 5, 6, 31 and 32. Stone before described. Thence we run S. 0° 3' E. on a true line, bet. secs. 5 and 6. Over rolling land, descend through heavy timber and scattering fine timber.

12.50 Grassy Run Creek, 2 lks. wide, pure.

Subdivision of T. 29 S. R. Con

Chains	
	Water 4 ins. deep. Course S. 30° W. Begin ascent.
27.50	Top of ridge. bears N. E. & S. W. Begin descent.
36.06	Set a trachyte 1/3 x 8 x 6 ins. 9 ins. in the ground, for 1/4 sec. cor. marked 1/4 S. 6 on W. and 5 on E. faces: from which Aspen, 6 ins. diam. bears E. 20 lks. dist. marked 1/4 S. 5. B. T. Aspen 8 ins. diam. bears S. 25° W. 12 lks. dist. marked 1/4 S. 6. B. T. Along E. slope of ridge. bearing [illegible]
76.06	The cor. of Secs. 5, 6, 7 and 8. Land. rolling. Soil loam. 3 ft. Rate. Timber, aspen & pine. Heavily timbered 76.06 chs.

August 12, 1900

Meanders of Puffer Lake
West end: in sec. 1.

We commence at the meander cor. of fract. secs. 1 and 6. on the E. bdy. of Tp. and South side of Lake, set by us August 1st 1900.
From this cor.
we run with meanders in sec. 1
Over stony ground
S. 19°15' W. 2.50 Chs.
S. 9° E. 5.00 "
S. 51° W. 3.00 " Spring branch, 2 lks. wide, Course W.
N. 66° W. 3.00 " Spring branch, 1 lk. wide, Course W.

13.50

Meanders, T. 29 S., R. 5 W.

13.50

N. 88° 30' W., 4.50 chs.
N. 26° W., 1.50 "
N. 77° W., 2.50 " Top of rocky spur, projects N. E.
S. 56° W., 1.00 "
S. 88° W., 8.00 "
N. 29° E. 5.30 "
N. 26° E. 16.00 "
N. 22° E. 8.00 "
N. 48° 45' E. 4.00 "
S. 65° E. 1.50 " Lake Creek, 10 lks wide, Course South.
S. 5° W. 3.50 chs.
S. 10° E. 2.50 "
S. 50° E. 4.00 "
N. 86° E. 1.25 " — to meander cor. of fracl. secs. 1 & 6.
77.05 on the E. bdy. of Tp.

and north side of lake set by us Aug. 1st, 1900
Land nearly level.
Soil stony 4th Rate
No timber.

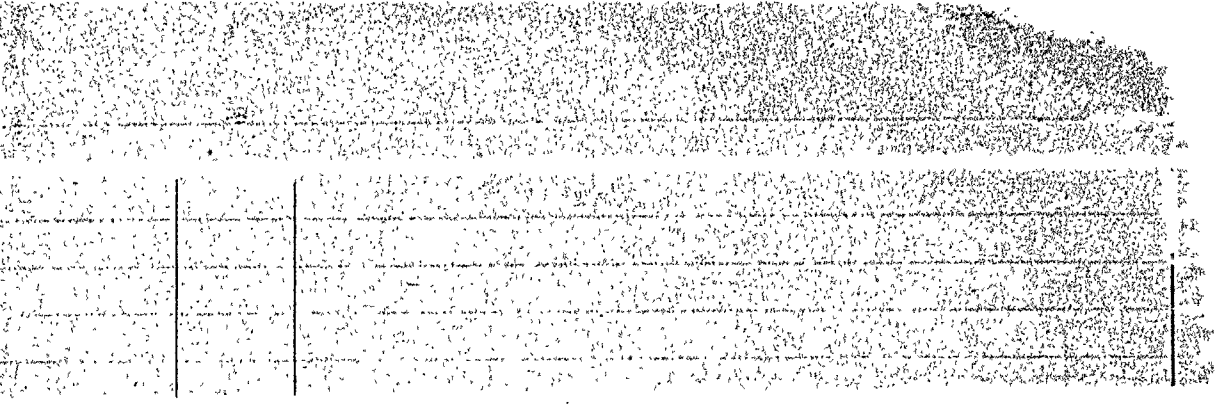
Aug. 5, 1900.

General Description.

This township is situated on the western slope of the devide of the Tushar mountains, and is mountainous throughout, and the soil is stony.
In places the mountain is covered with heavy aspen and pine, or cedar and pinion timber, and where not heavily timbered, by a dense

undergrowth and mutton grasses making it an excellent stock range.
The township is well watered by Beaver Creek and its tributaries and by numerous springs.
Puffer Lake, on the Range line, bet. secs. 1 and 6 in the north east portion of the township, is a body of clear, pure water, of great depth, this Lake is a favorite summer resort for residents of Beaver and surrounding Country.
There is no indications of mineral on this township.
A Saw mill is located on S. E. ¼ Sec. 3, owned by Murdock & Co.
There are two Settlers in this township. Lake creek emerges from Puffer Lake by an underground Channel, and does not cross the meander line.

Hubert D. Page.
Harry Erwin.
Asst. Deputy, Surveyors



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FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

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

_____, *Chainman.*

_____, *Chainman.*

_____, *Moundman.*

_____, *Moundman.*

_____, *Axman.*

_____, *Axman.*

_____, *Flagman.*

FINAL OATH OF ASSISTANTS.

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

_____, *Chainman.*

_____, *Chainman.*

_____, *Moundman.*

_____, *Moundman.*

_____, *Axman.*

_____, *Axman.*

_____, *Flagman.*

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

SEAL

_____

_____

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FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, ..., United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from ..... United States Surveyor General for ....., bearing date of ..... 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 ... the penalty of perjury under the provisions of an Act of Congress approved August 8, 1846.

For final affidavits see book [illegible]

.....
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 June 3 1902, 189

The foregoing field notes of the survey of the subdivision of Township 29 South Range 5 West of the Salt Lake Base and Meridian Utah

executed by Herbert Page and Harry Erwin under ~~his~~ their contract No. 232, 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. [illegible]
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 office.

.....
United States Surveyor

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4—679.

K.

BOOK A-287

FIELD NOTES

OF THE SURVEY OF THE

North

boundary of

Township No. 29 South

Range No. 4 West

Of the Salt Lake Base and Meridian,

In the State of Utah.

AS SURVEYED BY

Hubert D. Page and Harry Erwin, United States Deputy Surveyor,

Under ~~his~~ their Contract No. 232, dated November 24th, 1899

Survey commenced August 5th, 1900

Survey completed August 8th, 1900

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N-Bdry-Light m. chs. lks.
5-74-10 ✓
Cross- 15-88 ✓

NAMES AND DUTIES OF ASSISTANTS.

Harvey D. Hirst, Chainman

George H. Stevens "

Lewis S. Miller "

Wallace Isbell "

Newark S. Dawson, Monuman

Haven Burton, "

Newark S. Dawson Axman

Haven Burton, "

Haven Burton, Flagman

For preliminary affidavits see book D Sp 30 S Pl. (

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BOOK A-287

INDEX DIAGRAM.

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31	32	33	34	35	36

Meanders Page.....

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PRELIMINARY OATHS OF ASSISTANTS.

WE, _____ and

do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level 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*

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

_____

_____, *Moundma*

_____, *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 c 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 trul perform the duties of flagman according to instructions given me, to the best of my skill and ability, in survey of

_____, *Flagma*

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

_____

_____

SEAL

North bdy. of T. 29 S., R. 4 W.

Survey Commenced.
August 5th 1900.
and executed with a W. and L. E. Gurley, light mountain transit No-1. with solar attachment, the horizontal limb is provided with two double Verniers, placed opposite to each other reading to single minutes of arc; which is also the least count of the verniers of the latitude and declination arcs.

The instrument was examined, tested on the true meridian at Salt Lake City and found correct and was approved by the Surveyor General of Utah.
June 16th, 1900.

We examine the adjustments of the transit and find them correct, then to test the solar apparatus by comparing its indications resulting from solar observations made during a.m. and p.m. hrs. with the true meridian determined by observation on Polaris, We proceed as follows;

Timber is heavy at the cor. of Ts. 28 and 29 S., R. 4 and 5 W.

Therefore at a point on the N. W. side of Puffer Lake. S 15° W. 16 chs. dist. from the cor. of Tps. 28 and 29 S., Rs. 4 and 5 W.

North bdy. of T. 29 S., R. 4 W. continued.

August 5th 1900.

at 5 p. m., l. m. t., We set off on 38° 20' N. lat. arc; 16' 55" N. on decl. arc; and determine with the solar a true meridian and mark a point thereof on a stone, 5 ft. firmly in the ground 5 chs. N. of our Station.

at 10h 30m p. m. l. m. t., We observe Polaris at eastern elongation in accordance with manual of instructions and mark a point on the line thus determined by a plug driven in the ground 5 chs. N. of our station.

August 6th

at 7 a. m., l. m. t., We lay off the azimuth of Polaris 1° 33' 5" to the West and mark the true meridian thus determined by cutting a small groove in the stone set Aug 5th on which the true meridian falls 0.3 ths West of the mark determined by the solar.

at 9h 10m a. m. l. m. t., We set off 38° 20' N. on lat. arc; 16' 46" North decl. arc; and mark a point in the true meridian determined with the solar by a cross on the stone already set 5 chs N. of our station, this mark falls

0.35 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 0'16" E. and 0'18" West of the true meridian established by Polaris observation, therefore, We conclude the adjustments of the instrument are correct.

The magnetic bearing of the true meridian at 7h. 30 m. is N 15 51' W. the angle thus determined, reduced by the tables Page 100. gives the Mean. Mag. dec. 15°45' E.

From the cor. of Tps. 28 and 29 S. Rs 4 and 5 W. We run East on a random line along the N. bdy. of T.

and at 47.10 chs. Intersect E. bdy. of T. 15.88 chs S. of the cor. of Tps. 28 and 29 S. Rs. 3 and 4 W. which is Trachyte stone. firmly set and marked and witnessed as described by the Surveyor General.

This is beyond the limits of 21 minutes of arc. Therefore, at the point of intersection We establish closing cor.

North bdy. of T. 29 S., R. 4 W. continued.

Chains	
	as follows:
	Set a trachyte stone 7 x 8 x 8 ins. 8 ins. in the ground for Closing Cor. of Ts. 28 and 29 S., R. 4 W.
	Marked C.C. on W. with 6 grooves on the N. W. and S. faces.
	Raised a mound of stone 2 ft. base 1 ft. high W. of Cor.
	Pits impracticable
	We destroy all marks on the old W. Cor. relating to R. 4 W.
	August 4th
	At 9 a. m., L. m. t., We Set off 38° 20' N. on Lat. arc: 16° 29' N. on dec. arc: and determine a true Meridian with the Solar at the Closing Cor. of T. 28 and 29 S., R. 4 W.
	Knowing from retracement that the lines from the South will not close within limits We establish Cor. for T. 28 S., R. 4 W. only West on North bdy. of T. 29 S., R. 4 W.
	Set secs. 1 and 36
	Descending
	through dense artimesia and Mahogany
17.00	Ravine 80 ft. deep
	Course S. E.
40.00	Set a trachyte stone 10 x 10 x 5 ins. 7 ins in the ground for 1/4 Sec. Cor. Marked 1/4 S. 36 on N. face. Raised a mound of stone 2 ft. base 1 ft. high N. of Cor.
	Pits impracticable
50.25	Spur
	Projects S. E.
80.00	Set a trachyte stone 6 x 10 x 5 ins. 11 ins. in the ground for Cor. of secs. 35 and 36. T. 28 S. R. 4 W.

North bdy. of T. 29 S., R. 4 W. continued.

Chains	
	Marked with 1 notch on the E. and 5 notches on the W. edges. raised a mound of stone 2 ft. base, 1½ ft. high N. of Cor. Pits impracticable. Land, mountainous Soil, stony clay 4th rate No timber Dense undergrowth and mountainous land, 80.00 chs.
	West. On the N. bdy. of T. bet. secs. 2 and 35. Ascending through dense attimesa and mahogany
33.50	Ridge, bears N.E. and S.W.
40.00	Set a trachyte stone 13×10×5 ins. 8 ins. in the ground for ¼ sec. Cor. marked ¼ S. 35 on N. face raised a mound of stone 2 ft base, 1½ ft. high N. of Cor. Pits impracticable.
49.50	Wagon road bears N.E. and S.W.
49.75	Ten Mile Creek. 6 lks wide 5 ins deep. pure water flows N.E. in Canon 1000 ft deep. ascend Spur of mountain
80.00	Set a trachyte stone 14×8×6 ins. 9 ins. in the ground for cor. of secs. 34 and 35. Tp 28 S R 4 W Marked with 4 notches on the W. and 2 notches on the E. edges. raised a mound of stone

North bdy. of T. 29 S., R. 4 W. continued

Chains	
	2 ft. base 1½ ft. high N. of cor. Pits impracticable Land, mountainous Soil, stony 4th rate. No timber Dense undergrowth and Mountainous land 80.00 ch August 7th At this cor. we set off 16° 25' N on decl. arc; and at 0h 5m p.m. l. m. t., observe the sun on the meridian the resulting lat. is. 38° 20' N
	West On N. bdy. of T. bet. secs. 3 and 34 Ascending Along the S. side of ridge through dense artimesa and oak brush.
40.00	set a trachyte stone 16 x 10 x 4 ins. 11 ins. in the ground for ¼ sec. cor. Marked ¼ S. 34 on N. face, raised a mound of stone 2 ft. base 1½ ft. high N. of cor. Pits impracticable
45.00	Spur 600 ft above creek. projects S.
72.00	Trachyte Cliffs 50 ft. high bear N. W. and S. E.
80.00	Set a trachyte stone 15 x 10 x 4 ins. 10 ins in the ground for cor. of secs. 33 and 34 T. 28 S. R. 4 W. Marked with 3 notches on the W. and E. edges, raised a mound of stone 2 ft. base, 1½ ft. high N. of cor. Pits impracticable

North bdy. of T. 7 S., R. 4 W. continued.

Chains	
	Land, mountainous Soil, stony 4th rate. No timber Dense undergrowth and Mountainous land 80.00 chs.
	West On N. bdy. of T. bet. secs 4 and 33. Ascending, through dense Artimesa and Oak brush.
7.10	Spur.
	Projects S. descend
20.00	Ten mile creek 5 lks. wide 5 ins deep. pure water flows S.E. in Cañon 600 ft deep.
20.20	Wood road bears S.E. and N.W.
	Begin steep ascent - enter Aspen and pine timber,
40.00	Set a trachyte 6x20x10x5 ins 15 in a mound of stone and earth. for 1/4 sec. Cor. Marked 1/4 S. 33 on N. From which a pine 7 ins. in diam bears N. 18 lks dist. Marked 1/4 S. 33 B.T. Raised a mound of stone 2 ft. Base 11 ft N. of Cor. Pits impracticable.
47.05	Wood road bears N.E. and S.W.
47.50	S. fork of Ten Mile creek 4 lks wide 4 ins deep. pure water flows N. 75° E. in Cañon 600 ft deep.
80.00	Set a trachyte 6x8x8x6 ins. 12 ins. in the ground for Cor.

North bdy. of T. 29 S., R. 4 W. continued

Chains	
	of secs. 32 and 33 Cor. 28 S. R. 4 W. Marked with 4 notches on the E. and 2 notches on the W. edges. From which a pine 5 ins. in diam. bears N. 52° E. 16 lks. dist. marked T. 28 S. R. 4 W. S. 33 B.T. a pine 10 ins. in diam. bears N. 36° W. 27 lks. dist. marked T. 28 S., R. 4 W. S. 32 B.T.
	Land, mountainous. Soil, stony. 4th rate. Timber, aspen and pine. Mountainous land, dense under-growth and heavy timber 80.00 chs.
	August 8th At 7 a.m. l.m.t., We set off 38°20' N. on lat. arc: 16°12' N on decl. arc: and determine a true meridian with the solar at the cor. of Secs. 32 and 33. Thence We run. West On the N. bdy. of T.p. bet. secs. 5 and 32. Descending through heavy pine and aspen timber
12.50	Middle fork of Ten mile creek 3 lks wide 4 ins deep. pure water flows N.E. in Cañon 400 ft deep.
32.40	Spur projects S. and top of Trachyte Cliffs 40 ft high bear N. and S. leave timber bears N. and S.
40.00	Falls on slide.

North bdy. of T. 29 S. R. 4 W. continued.

Chains	
58.80	Top of divide and mountain (Pushad) bears S. E. and N. Set a trachyte 6 x 14 x 8 ins. 11 ins. in the ground for 1/4 sec. cor. Marked 1/4 C. 1/4 S. 32 on N. face raised a mound of stone 2 ft. base, 1 1/2 ft. high N. of cor. Pits impracticable. Descend.
65.10	Enter scattering pine and aspen timber, bears N. and S.
75.00	Ravine 400 ft deep. Course N. W.
80.00	Set a trachyte 6 x 14 x 8 ins. 11 ins. in the ground, for cor. of secs. 31 and 32 T. 28 S. R. 4 W. Marked with 5 notches on the E. and 1 notch on the W. edges. From which a pine 6 ins. in diam. bears N. 79° W. 41 lks. dist. marked T. 28 S. R. 4 W. S. 31 B. T. Raised a mound of stone 2 ft base 1 1/2 ft high N. of cor. Pits impracticable. No other suitable trees. Land, mountainous Soil, stony. 3rd rate. Timber, aspen and pine. Mountainous land 80.00 chs.

West.
On N. bdy. of T.
between secs. 6 and 31
Descending
through scattering pine
and Aspen

North bdy. of T. 29 S., R. 4 W. concluded.

Chains	
30.50	Spring branch 4 lks. wide flows S. enter heavy timber.
37.00	Bottom of ravine 1300 ft below devide course S. ascend.
40.00	Set a trachyte stone 4 x 10 x 6 ins. 10 ins. in the ground, for 1/4 sec. cor. marked 1/4 S. 31 on N. face. From which an aspen 6 ins. in diam bears N. 10 lks. dist. marked 1/4 S. 31 B.T.
60.00	High Spur projects S. descend.
74.10	The cor. of Tps. 28 and 29 S. Rs. 4 and 5 W.

Established lines
Land, Mountainous
Soil, stony 3rd rate
Timber, aspen and pine
Mountainous land,

74.10 Chs

August 8th
1900.

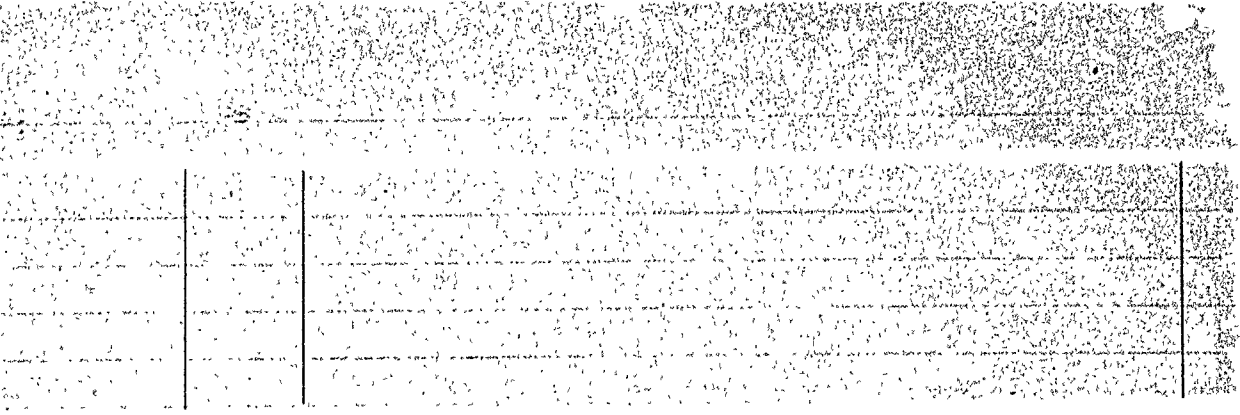
Boundaries of D. 29 S. R. + N.

Latitudes, Departures and Closing errors.

Line designated		True Bearing	Distance	Latitudes N.	Latitudes S.	departures E.	departures W.
South [illegible]		West	478.68				478.68
West		North	476.12	476.12			
North		East	474.10			474.10	
Bldg. [illegible]	[illegible]	South	.09		70.90		
"	[illegible]	[illegible]	[illegible]		[illegible]	85	
"	[illegible]	[illegible]	[illegible]		[illegible]	85	
"	[illegible]	[illegible]	79.35		79.71	1.57	
"	[illegible]	[illegible]	[illegible]		[illegible]	45	
"	[illegible]	[illegible]	82.98		82.91		.65
Convergency						[illegible]	
				[illegible]	75.96	479.37	479.33
				75.96		479.33	
Error in Lat. & Departure				.16		.06	

For general description see Subdivisions, Book "M".

Hubert C. Vogt
Jane Ervin
Asst. Deputy Surveyor



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PAGE

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

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

showing the respective capacities in which they acted:

_____, *Chainman.*

_____, *Chainman.*

_____, *Moundman.*

_____, *Moundman.*

_____, *Axman.*

_____, *Axman.*

_____, *Flagman.*

FINAL OATH OF ASSISTANTS.

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

_____, *Chainman.*

_____, *Chainman.*

_____, *Moundman.*

_____, *Moundman.*

_____, *Axman.*

_____, *Axman.*

_____, *Flagman.*

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

SEAL

_____

_____

6—151

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

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

.....

.....

.....

..... of the

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

For final affidavits see Book R. Pg 2 of S. R. B. M.

.....
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 June 3 1902, 189

The foregoing field notes of the survey of the North Boundary of Township 29 South Range 4 West of the Salt Lake Base & Meridian, Utah

executed by Hubert D Page and Harry E Curry under ~~his~~ their contract No. 232, 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.

6—151

4—679.

2.

BOOK A-287

FIELD NOTES

OF THE the SURVEY OF THE

East Boundary

of

Township No. 79 South

Range No. 4 West

Of the Salt Lake Base and Meridian,

In the State of Utah

AS SURVEYED BY

Herbert D Page and Harry Erwin, United States Deputy Surveyors

Under ~~his~~ their Contract No. 232, dated November 24th, 1899

Survey commenced August 9 1900, ~~189~~

Survey completed August 10. 1900, ~~189~~

6—151

Resurvey E. Bdry — high m — chs — lks — 6 — 11 — 88 ✓

NAMES AND DUTIES OF ASSISTANTS.

Harvey D. Hurst, Chainman

George H. Stevens "

Lewis S. Miller "

Wallace Isbell "

Newark S. Dawson, Monman

Haven Burton "

Newark S. Dawson, Axman

Haven Burton, "

Haven Burton, Flagman.

For preliminary affidavits see Book B. Fr. 305 R.R.W.

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BOOK A-287

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 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 i measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey .....

..... *Chainma*

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

..... *Moundma*

..... *Moundma*

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

SEAL

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

..... *Axma*

..... *Axma*

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

SEAL

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

..... *Fla*

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

SEAL

6—151

Resurvey of the Ebdy. of Tps. 29 S., Rs. 4 & 5 W.

Survey Commenced
August 9th 1900.
and executed with the instrument described in
Book K
of this survey.
Known from recent observation made
August 5
at our camp near the cor. of Tps. 28 and 29 S., Rs. 4 and 5 W.
on the
shore of Puffer Lake
and recorded in
book K
of this survey.
the instrument to be in adjustment.
Preliminary to beginning the subdivision of this Tp. I retrace the Ebdy.
At the cor. of Tps. 29 and 30 S., Rs. 3 & 4 W.
Previously described

August 9th 1900
At 7 a.m., L.m.t., We set off 38°15' N. on Lat. and 15°55 N. on Decl. and; and determine a true meridian with the solar.

Thence We run
North on blank line
On the Ebdy. of Tp.
bet. secs. 31 and 36.
40.00 after diligent search.
No trace of said 1/4 sec. cor. can be found.

East bdy. of T. 7 S., R. 4 W. continued.

and at 82.98 chs. We find the cor. of secs. 25, 30, 31 and 36, which is a lava stone 16 x 16 x 12 ins. in a mound of stone, marked as described by the Surveyor-General.
East 65 lks. dist.
The course of this line is therefore N. 0° 27' E.

We continue our retracement
Thence We run
North
bet. secs. 25 and 30
40.00 chs. No trace of old 1/4 sec. cor. can be found
and at 80.62 chs. We find the cor. of secs. 19, 24, 25 and 30, which is a lava stone 20 x 18 x 16 ins. in a mound of stone. marked as described by the Surveyor-General.
West 45 lks. dist.
The course of this line is therefore N. 0° 39' W.

Thence We run
North
bet. secs. 19 and 24
40.00 chs. No trace of old 1/4 sec. cor. can be found.
and at 79.75 chs. We find the cor. of secs. 13, 18, 19 and 24, which is a trachyte stone 8 x 8 x 7 ins. above ground, marked as described by the Surveyor General. The witness trees have been destroyed.
2.57 chs. West
The course of this line is.

East bdy. of T. 29 S., R. 4 W. continued.

therefore N. 15' W

Thence We run
North
bet. secs. 13 & 18.
40.00 chs. No trace of old 1/4 sec.
cor. can be found.
80.00 chs. No trace of old sec. cor. can
be found.
120.00 chs. No trace of old 1/4 sec. cor.
can be found.
161.75 chs. We find the cor. of
secs. 1, 6, 7 & 12.
which is decayed post on a
mound of rocks.
West 1.70 chs. dist.
The course of this line is
therefore
N. 0°36' W.

Thence We run
North
bet. secs. 1 & 6
40.00 chs. no trace of old 1/4 sec. cor. can
be found.
and at 86.75 chs. We find the
cor. of T. 28 & 29 S. Rs. 3 & 4 W.
which is a tracky 6 x 16 x 11 x 6 ins
in a mound of stone.
Marked and witnessed as
described by the Surveyor
General.

As many of the corners on
the Tp. line are missing
and marks on all the corners
must be changed so as to
refer to T. 29 S., R. 3 W.
We resurvey the Range line

East bdy. of T. 29 S., R. 4 W. continued.

Chains.	
	as follows: August 10th 1890
	At 7 a.m., l.m.t., We set off
	38°20' N. on lat. arc; 15°38' N.
	on decl. arc: and determine a
	true meridian with the solar,
	at the cor. of Ts. 28 and 29 S., Rs
	3 and 4 W.
	Previously described.
	Thence We run
	South
	On the E. bdy. of T.
	bet. secs. 1 and 6.
	Descending
	through dense artimesa
	Scattering cedar and Spinion
1.00	Ridge, bears E. and W.
32.00	Ravine 400 ft deep
	Course E.
43.63	Set a tracky te stone 4 x 10 x 5 ins. 10 ins.
	in the ground, for reestablished 1/4 Sec. cor
	Marked 1/4 S 6 on E face
	raised a mound of stone 2 ft.
	base, 1 1/2 ft. high E. of cor.
	Pits impracticable.
54.50	Ravine 50 ft deep
	Course E.
86.78	Set a tracky te stone 15 x 10 x 6 ins. 10 ins
	in the ground, for reestablished cor. of secs.
	6 and 7 T. 29 S., R. 3 W.
	Marked with 1 notches on the N.
	and 5 notch on the S. edges
	raised a mound of stone 2 ft
	base, 1 1/2 ft. high E. of cor.
	Pits impracticable
	Land, Mountainous
	Soil, stony 3rd rate
	Timber, scattering Cedar and Spinion
	Dense undergrowth and
	Mountainous land 86.78 chs.

East bdy. of T. 29 S., R. 4 W. continued.

Chains.	
	S. 0:36 E.
	On the E. bdy. of T.
	Cor. secs. 7 and 12.
	Descending
	through dense artimesia
10.11	Ravine 60 ft. deep
	Course E.
40.44	Set a trachyte stone 3 x 11 x 6 ins. 9 ins.
	in the ground for reestablished
	1/4 sec. Cor.
	Marked 1/4 S. 7 on E. face.
	Raised a mound of stone 2 ft.
	base 1 1/2 ft. high E. of Cor.
	Pits impracticable
73.50	Ridge, bears E. and W.
80.87 1/2	Set a trachyte stone 16 x 11 x 5 ins. 11 ins.
	in the ground for reestablished
	Cor. of secs. 7 and 18, T. 29 S., R. 3 W.
	Marked with 2 notches on the
	N. and 4 notches on the S. edges
	Raised a mound of stone
	2 ft. base, 1 1/2 ft. high E. of
	Cor.
	Pits impracticable
	Sandstone
	Soil, stony
	No timber
	Dense undergrowth
	80.87 1/2 Chs.

	S. 0:36 E.
	On the E. bdy. of T.
	Cor. secs. 13 and 18
	Descending
	through dense artimesia
8.00	Wood road
	bears N. and S. E.
73.50	dry run.
	Course E.

East bdy. of T. 29 S., R. 4 W. continued.

Chains	
40.44	Set a trachyte stone 16 x 11 x 4 ins. 11 ins. in the ground, for reestablished 1/4 sec. cor. Marked 1/4 S. 18 on E. face. Raised a mound of stone 2 ft. base 1 1/2 ft. high E. of cor. Pits impracticable.
57.00	Wood road bears N. W. and S. E.
80.87 1/2	The cor. of secs 13, 18, 19 and 24. which is a trachyte stone 8 x 8 x 7 ins. above ground, firmly set. and marked with 3 notches on the N. and S. edges. Raised a mound of stone 2 ft. base 1 1/2 ft. high E. of cor. Pits impracticable. We destroy marks relating to R. 4 W. Land, rolling. Soil, stony 4th rate. No timber. Dense underg rowth 80.87 1/2 chs. August 10th. At this cor. We set off 15°33' N on decl. arc. and at 0 h. 5 m. p. m. l. m. t., We observe the sun on the Meridian the resulting lat. is 38°17' N
	S. 1°51' E. On E. bdy. of Tp. Bet. secs 19 and 24. Descending. Over rolling land, through dense Artemesia
39.87 1/2	Set a trachyte stone 14 x 10 x 4 ins. 10 ins. in the ground for reestablished 1/4 sec. cor.

East bdy. of T. 29 S., R. 4 W. continued.

Chains.	
	Marked 1/4 S. 19 on E. face,
	raised a mound of stone 2 ft.
	base 1 1/2 ft. high. E. & W. Pits impracticable.
72.00	Ridge, bears E. and W.
79.75	The Cor. of secs. 19, 24, 25 and 30.
	which is a trachyte 20 x 18 x 6 ins.
	5 ins. in a mound of stone 3 ft. high.
	marked with 4 notches on the
	N. and 2 notches on the S.
	edges.
	Raised a mound of stone 2 ft.
	base 1 1/2 ft. high E. of Cor.
	Pits impracticable.
	To destroy marks relating to R. 4 W.
	Land rolling
	Soil, stony 4th rate.
	No timber
	Dense undergrowth 79.75 Chs.

	S. 0.19 E.
	On E. bdy. of T.
	Cor. secs. 25 and 30.
	Descending over rolling land
	through dense undergrowth
31.00	City Creek. Canon Road,
	bears E. and W.
31.50	City Creek. 15 ft. wide 6 ins.
	deep. Pure water flows E. in Canon 40 ft. deep.
35.00	Spurs project N. E.
40.31	The old 1/4 sec. cor. on boulder
	10 x 8 x 6 ft. above ground
	marked 1/4 on E. face. Pipe mark
	1/4 S. 30. on E.
	and raised a mound of stone
	2 ft. base 1 1/2 ft. high E. of Cor.
	Pits impracticable.
51.00	Ravine 100 ft. deep
	Runs E.

East bdy. of T. 29 S., R. 4 W. concluded.

Chains	
72.50	Ridge. bears E. and W.
80.62	1000 ft above creek
	The cor. of secs. 25, 30, 31 and 36.
	Previously described.
	Dye destroy marks relating to T. 4 W. and
	Raise a mound of stone 2 ft. base, 1 1/2 ft. high. E. of Cor.
	Pits impracticable.
	Land mountainous.
	Soil, stony. 4th rate.
	No timber -
	Mountainous land and
	Dense pinon growth. 80.62 chs.

	S. 0° 27' W.
	On E bdy. of T
	bet. secs. 36 and 31
	Descending
8.00	Ravine 30 ft deep
	course N. E. ascend
27.00	Rocky ridge
	bears N. E. and S. W.
41.49	Set a trachyte stone 14 x 10 x 5 ins. in a mound of stone. for re-established 1/4 sec. Cor.
	Marked 1/4 S. 31 on E. face.
	raised a mound of stone 2 ft. base 1 1/2 ft. high E. of Cor.
	Pits impracticable
56.00	Ravine 500 ft deep.
	Course N. E.
	Enter Scattering pinion and Cedar timber.
82.98	The Cor. of Secs. 29 and 30 S. R. 3 and 4 W.
	Land mountainous
	Soil, stony 4th rate.
	Timber, Cedar and Pinion
	Mountainous land 82.98 chs.

Resurvey of the
East bdy. of T. 29 S. R. 4 W. concluded.

For general description see subdivisions of this Tp.

Hubert D. Ragle.
Harry Erwin.
U.S. Deputy Surveyors.

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PAGE

CJR A-

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 affidavit see book N. Hf 28.5 R4 W.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted _____

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

_____

_____

_____ of the _____

_____ meridian, _____ of _____, which are represented n 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 _____

_____, *Chainman.*

_____, *Chainman.*

_____, *Moundman.*

_____, *Moundman.*

_____, *Axman.*

_____, *Axman.*

_____, *Flagman.*

_____

For final affidavit see book N. Hf 28.5 R4 W.

ubscribed and sworn to before me this _____

day of _____, 189

_____

SEAL

_____

6—151

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.

Original affidavit see Cook N. Tf 28 S R 4 W

_____
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 June 3 1902, 189

The foregoing field notes of the re survey of the East Boundary of Township 29 South Range 4 West of the Salt Lake Base & Meridian Utah

executed by Hubert S Page and Harry Erwin under ~~his~~ their contract No. 232, dated November 24, 1899, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the re 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.

6—151

4—679.

M.

BOOK A-287

FIELD NOTES

OF THE SURVEY OF THE

Subdivision

of

Township No. 29 South

Range No. 4 West

Of the Salt Lake base and Meridian,

In the State of Utah

AS SURVEYED BY

Hubert D Page and Harry Erwin, United States Deputy Surveyors

Under ~~his~~ their Contract No. 232, dated November 24, 1899

Survey commenced August 14, 1900, ~~189~~

Survey completed August 23, 1900, ~~189~~

6—151

	m. chs. lks.
Subs. high	59-44-55 ✓
Closings	38-68 ✓
Meanders	62-70 ✓ low

BOOK A-287

NAMES AND DUTIES OF ASSISTANTS.

Willie L. Neal Chainman

Alfred H. Shorten. "

Orson M. Allred. Mountaman

Otis S. Allen Axman

Herbert Price "

Orson M. Allred, Flagman

For preliminary affidavits see book J. Fp. 295 R5W

6—151

BOOK A-287

INDEX DIAGRAM.

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

Meanders Page.....

5—151

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

.....

..... *Cha*

..... *Cha*

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' h
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
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 .....

..... *Fl*

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

SEAL

.....

.....

Subdivision of T. 29 S., R. 4 W.

Survey Commenced.
August 14th 1900.
and executed with the instrument described in
Book K.
of this survey.
Known from recent
observation made
August 5th
at our camp, near the cor.
of Ts. 28 and 29 S., Rs. 4 and 5 W.
on the
shore of Puffer Lake.
and recorded in
book K.
of this survey.
the instrument to be in
adjustment

at the cor. of secs. 35 and 36
on the south bdy. of T. 29 S., R. 4 W.

Established by us. July 11th 1900.

August 14th 1900.
At 7 a.m. l.m.t. We set off 38°15'
N. on lat. arc: 14°26' W. on dec. arc;
and determine a true meridian
with the solar.
The Ebdy of Tp being defective
We run
North on Sectional Guide meridian
bet. secs. 35 and 36.
Descending, through dense arctimisa
stony land.
35.00 Bottom of Bason
drain N. E. ascend

Subdivision of T. 29 S., R. 4 W. continued.

chains.	
40.00	Set a trachyte stone 16×10×6 ins. 11 ins. in the ground, for 1/4 sec. cor. marked 1/4 S. 35 on W. 36 on E. faces. raised a mound of stone 2 ft. base, 1 1/2 ft. high W. of cor. Pits impracticable.
60.00	Enter scattering pinion and cedar bears N. E. and S. W.
80.00	On East side of spur, projects N. E. Set a trachyte stone 15×10×8 ins. 10 ins. in the ground, for cor. of secs. 25, 26, 35 and 36. marked with 1 notch on the S. and 5 Notches on N. edges. raised a mound of stone 2 ft. base, 1 1/2 ft. high W. of cor. Pits impracticable. Land, rolling, Soil stony 3rd rate. Timber, scattering cedar and pinion. Dense undergrowth 80.00 chs.
	East on a random line bet. secs. 25 and 36.
40.00	Set temp. 1/4 sec. cor.
80.61	Intersect East bdy. of Tp. heretofore described. S. 0°27' W. 2.88 chains, from the Cor. of secs. 30 and 31. This cor. responds to retracement.
	Set a trachyte stone 16×8×6 ins. 11 ins. in the ground, for closing Cor. of secs. 25 and 36. Marked C.C. on the W. with 1 groove on the S. and 5 on the N. faces. raise a mound of stone 2 ft. base 1 1/2 ft. high W. of cor. Pits impracticable. Thence We run West on a true line bet. secs. 25 and 36.

Subdivision of T. 29 S., R. 4 W. continued.

Chains.	
	Ascending through dense Artimesa.
40.61	Set a trachyte stone 18 x 10 x 6 ins. 12 ins. in the ground, for 1/4 sec. cor. marked 1/4 S. 25 on N. 36 on S. faces, raised a mound of stone 2 ft. base, 1 ft. high N. of cor. Pits impracticable
44.00	Top of ridge, bears N. and S. enter scattering pinion and cedar.
58.00	Wood road bears N. and S.
58.50	Bottom of ravine 100 ft. deep, course N.
80.61	The cor. of secs. 25, 26, 35 and 36. Land, Mountainous Soil, stony 3rd rate. Timber scattering Cedar and pinion Dense undergrowth and mountainous land, 80.61 chs.
	North on Sectional Guide Meridian. bet. secs 25 and 26. Ascend, through dense page, and scattering cedar and pinion.
20.00	Spur, projects N. E.
35.40	Trachyte ledges bear, N. E. and S. W. descend.
34.50	Bottom of Cañon 300 ft. deep and City Creek 6 lks. wide, pure water flows E. ascend.
37.50	Wagon road bears E. and W.
40.00	Set a trachyte stone 12 x 10 x 6 ins. 8 ins. in the ground, for 1/4 sec. cor. Marked 1/4 S. 26 on W. 25 on E. faces, raise a mound of stone 2 ft. base, 1 1/2 ft. high W. of cor.

Subdivision of T. 29 S., R. 4 W. Continued

Chains	
	Pits impracticable.
80.00	Set a trachyte stone 14 x 12 x 6 ins. 9 ins. in the ground, for cor. of secs. 23, 24, 25 and 26. marked with 2 notches on the S. and 4 notch on the N. edges, raise a mound of stone 2 ft. base, 1½ ft. high W. of cor.
	Pits impracticable
	Land, mountainous
	Soil, stony 3rd and 4th rate.
	Dense undergrowth and mountainous land, 80.00 chs.
	East on a random line bet. secs. 24 and 25.
40.00	set temp. ¼ sec. cor.
80.30	Intersect E. bdy of Tp. heretofore described S 0°19' E 350 chs. from the cor. of secs. 19 and 30. T. 29 S., R. 3 W.
	This corresponds to retracment
	Set a trachyte stone 16 x 10 x 5 ins. 11 ins. in the ground for closing cor. of secs. 24 and 25. marked C.C. on the W. with 2 grooves on the S. and 4 grooves on the N. faces. raised a mound of stone 2 ft. base, 1½ ft. high W. of cor.
	Pits impracticable.
	Thence We run
	West on a true line
	bet. secs. 24 and 25.
	Descending, through dense Artimesa, scattering cedar and pinion.
4.00	Bottom of ravine 6 ft deep course S. and then E. ascend.

Subdivision of T. 29 S., R. 4 W. continued

Chains	
40.30	On Spur, projects E. set a trachyte stone 12×10×10 ins. 8 ins. in the ground, for 1/4 sec. cor. marked 1/4 S. 24 on N. 25 on S. faces, raised a mound of stone 2 ft. base, 1½ ft high N. of cor. Pits impracticable.
80.30	The cor. of secs. 23, 24, 25 and 26. Land, mountainous. Soil, stony. 3-d rate. Timber, scattering Cedar and pinion. Mountainous land and Dense undergrowth 80.30 chs. August 14th At this cor. we set off 14°21' N. on decl. arc: and at 0h 4½m p.m. l. m. t, observe the sun on the meridian, the resulting lat. is 38° 16' N
	North on Sectional Guide Meridian bet. secs. 23 and 24. Ascending, through dense artimesa, scattering Cedar and pinion.
33.50	High Spur of mountain projects E.
40.00	set a trachyte stone 18×10×6 ins. 12 ins. in the ground for 1/4 Sec. cor. marked 1/4 S. 23 on W. 24 on E. faces. raised a mound of stone 2 ft. base, 1½ ft. high. W. of Cor. Pits impracticable
42.00	Foot of trachyte cliffs 200 ft high bear W. and E. and N
76.00	Foot of trachyte cliffs 200 ft high

Chains	
	bear W. and E. and S. descend
80.00	set a trachyte stone 14 x 10 x 8 ins. 9 ins. in the ground for cor. of secs. 13, 14, 23 and 24. marked with 3 notches on the S. and 3 notch on the W. edges. raised a mound of stone 2 ft. base 1½ ft. high W. of Cor. Pits impracticable. Land, mountainous Soil, stony 3rd and 4th rate. Timber Cedar and Pinion Mountainous land, 80.00 chs.
	East on a random line bet. secs. 13 and 24
40.00	set temp. ¼ sec. cor.
77.77	Intersect E. bdy. of T. S. 1° 51' E. 3.25 chs. from the cor. of secs. 18 and 19. T. 29 S., R. 3 W. This corresponds to the retracement.
	set a trachyte stone 18 x 10 x 8 ins. 12 ins. in the ground for Closing Cor. of secs. 13 and 24. marked C.C. on W. with 3 grooves on N. and S. faces. raised a mound of stone 2 ft. base, 1½ ft. high W. of Cor. Pits impracticable.
	West on a true line bet. secs. 13 and 24. Ascend, through dense artimesia
33.50	Brow of mountain, bears N. and S. begin steep ascent, enter Scattering Cedar and pinion
37.77	set a trachyte stone 13 x 11 x 4 ins. 8 ins. in the ground for ¼ sec.

Subdivision of T. 79 S., R. 4 W. continued.

Chains.	
	Cor. marked 1/4 S. 13 on N. and 24 on S. faces, raised a mound of stone 2 ft. base, 1½ ft. high N. of cor. Pits impracticable.
49.00	Spur, projects S. E.
58.00	Bottom of ravine 200 ft. deep; course S. E.
77.77	The cor. of secs. 13, 14, 23 and 24. Land, mountainous, Soil, stony clay and loam, 3d rate. Timber, scattering cedar and pinion. Dense undergrowth and Mountainous land, 77.77 chs.
	North on Sectional Guide Meridian bet. secs. 13 and 14. Descending, through dense artimesia
3.75	Bottom of ravine, 100 ft. deep; course E. ascend.
9.80	Top of ridge, bears E. and W. descend through scattering cedar and pinion
40.00	set a trachyte stone 13 x 10 x 5 ins. 8 ins. in the ground, for 1/4 sec. cor. marked 1/4 S. 14 on W. 13 on E. faces, raised a mound of stone 2 ft. base, 1½ ft. high W. of cor. Pits impracticable.
50.00	Bottom of ravine, 75 ft. deep, course S. E.
68.50	Top of knole,
75.00	Dry Gun, course E.
80.00	set a trachyte stone 14 x 8 x 7 ins. 10 ins. in the ground, for cor. of secs. 11, 12, 13 and 14.

Subdivision of T. 29 S., R. 4 W. continued.

Chains	
	Marked 4 notches on the S. and 2 notch on the N edges. Raised a mound of stone 2 ft. base, 1½ ft. high W. of Cor. Pits impracticable. From which a pinion 12 ins. in diam. bears S 13°30' E 2.05 chs. dist. marked T. 29 S., R. 4 W. S. 13 B.T. A pinion 8 ins. in diam. bears S 34° W. 2.30 chs dist. marked T. 29 S., R. 4 W. S. 14 B.T. A pinion 8 ins. in diam. bears N. 15° W. 18 lks dist. marked T. 29 S., R. 4 W. S. 11 B.T. A pinion 6 ins. in diam. bears N. 10° E 20 lks. dist. marked T. 29 S., R. 4 W. S. 12. B.T. Land, mountainous. Soil, stony. 4th rate. Timber, Cedar and pinion. Dense undergrowth and mountainous land 80.00 chs.
	East on a random line bet. secs. 12 and 13.
40.00	Set temp. ¼ sec. cor.
77.20	Intersect E bdy. of T. S 0°36' E 4.00 chs from the cor. of secs 7 and 18. T. 29 S. R. 3 W. hereafter described. This corresponds to the retracement. Set a trachyte stone 14 x 12 x 10 ins. 8 ins in the ground, for closing cor. of secs. 12 and 13. Marked C.C. on W. with 4 grooves on the S. and 2 grooves on the N. Raised a mound of stone 2 ft base, 1½ ft high W. of Cor.

Subdivisions of T. 29 S., R. 4 W. continued.

chains	
	-Pits impracticable
	Thence West on a true line
	bet. secs. 12 and 13.
	Descending, through dense
	at times and scattering
	Cedar and pinion.
7.00	Dry run and road
	bears S. E. and N. W. drain S. E.
	Ascend.
22.00	Top of rocky ridge
	bears S. E. and N. W.
36.00	Dry gulch
	course S. E.
37.20	Set a trachyte stone 13 x 7 x 5 ins.
	9 ins. in the ground, for 1/4 sec.
	cor., marked 1/4 S. 12 on N. 13 on
	S. faces. Raised a mound of
	stone 2 ft. base, 1 1/2 ft. high to N.
	of cor. Pits impracticable.
39.50	Wood road
	bears N. W. and S. E.
60.00	Top of ridge. bears S. E. and N. W.
77.20	The cor. of secs. 11, 12, 13 and 14.
	Land mountainous
	Soil Stony 3rd and 4th rate.
	Timber, scattering Cedar and pinion.
	Dense undergrowth and
	Mountainous land, 77.20 chs.
	August 14th

August 15th

At 7 a.m. L.m.t., the set off 38° 18' N. on lat. arc. 14° 07' N. on ded. arc; and determine a true meridian with the solar, at the cor. of secs. 11, 12, 13 and 14.

Thence the pursuit North on Sectional Guide Meridian

Subdivision of T. 29 S., R. 4 W. conti

Chains	
	bet. secs. 11 and 12.
	ascending, over rolling foot hills, through dense artimesa scattering pinion and cedar.
20.00	Ridge bears S. E. and N. W.
40.00	set a trachyte stone 15 x 10 x 5 ins. 10 ins. in the ground for 1/4 sec. cor. marked 1/4 S. 11 on W. 12 on E. Ledges raised a mound of stone 2 ft. base, 1 1/2 ft. high W. of cor.
	Pits impracticable.
80.00	set a trachyte stone 16 x 9 x 5 ins. 11 ins. in the ground, for cor. of secs. 1, 2, 11 and 12. marked with 5 notches on the S. and 1 notch on the N. Ledges raised a mound of stone, 2 ft. base, 1 1/2 ft. high W. of cor.
	Pits impracticable.
	Land, mountainous
	Soil, stony 4th rate.
	Timber, scattering cedar and pinion.
	Dense undergrowth.
	80.00 chs.
	East on a random line
	bet. secs. 1 and 12.
40.00	set temp. 1/4 sec. cor.
46.02	Intersect E. bdy. of Tp. heretofore described.
	S 0°36 E. 5.06 chs. from the cor. of secs. 6 and 7. T. 29 S., R. 3 W.
	This corresponds with retracement.
	Set a trachyte 16 x 10 x 4 ins. 11 ins. in the ground, for closing cor. of secs. 1 and 12.
	Marked C.C. on W. with 5 groov

Subdivision of T. 29 S., R. 4 W. continued.

chains.	
	on the S. and, groove on the N. faces.
	raised a mound of stone 2 ft. base 1½ ft. high W. of Cor.
	Pits impracticable.
	Thence W. per run
	West on a true line
	bet. secs. 1 and 12.
	Descending through dense artimesia scattering cedar and pinion.
6.00	Dry run
	Course S. 80° E.
36.02	Set a trachyte stone 15 x 9 x 4 ins. 10 ins. in the ground, for ¼ sec. cor. marked ¼ S. 1 on N. 12 on S. faces. raised a mound of stone 2 ft. base, 1½ ft. high N. of Cor.
	Pits impracticable.
76.02	The cor. of secs. 1, 2, 11 and 12.
	Land, rolling
	Soil, Stony 3rd rate.
	Timber, scattering Cedar and pinion.
	Dense undergrowth.
	76.02 chs.

August 15th.

At this cor. W. set off 14° 02' N. on dec. arc; and at 0 h. 4 m. p. m. L. m. t., observe the sun on the meridian the resulting latitude is 38° 19' N.

Subdivision of T. 29 S., R. 4 W. continued.

Chains.	
	North on Sectional Guide meridian between secs. 1 and 12.
	Descending over rolling foot hills, through dense artimesa, scattering Cedar and pinion.
37.00	Ravine. 350 ft. deep.
	drains E. ascend.
40.00	set a trachyte stone 15 x 9 x 5 ins. 10 ins. in the ground for 1/4 sec. cor. marked 1/4 S. 2 on W. 1 on E. faces.
	raised a mound of stone 2 ft. base, 1 1/2 ft. high. W. of Cor.
	Pits impracticable.
76.10	Intersect N. bdy. of T. 4 chs. E. of the cor. of secs. 35 and 36, on the S. bdy. of T. 28 S., R. 4 W.
	Set a trachyte stone 16 x 9 x 5 ins. 11 ins. in the ground for closing cor. of secs. 1 and 2.
	Marked C. C. on S. with 1 groove on the E. and 5 grooves on the W. faces.
	raised a mound of stone 2 ft. base 1 1/2 ft. high S. of cor.
	Pits impracticable
	Sand, rolling
	Soil, Stony 3rd rate.
	Timber scattering
	Cedar and pinion.
	Dense undergrowth.
	76.00 chs.

From the cor. of secs 34 and 35 on the S. bdy. of T. heretofore described

Subdivision of T. 29 S., R. 4 W. continued.

Chains.	
	N. 0°01' W.
	bet. secs. 34 and 35.
	Ascending, through dense artimesa, scattering cedar and pinion
12.50	Spur, projects W. descend
40.00	Set a trachyte stone 16×6×7 ins. 11 ins. in the ground for 1/4 sec. cor. marked 1/4 S. 34 on W. 35 on E. faces, raised a mound of stone 2 ft. base, 1 1/2 ft. high W. of cor. Pits impracticable.
54.50	Wagon road, bears N. 25° E. and S. 25° W.
80.00	Set a lava rock 16×8×8 ins. 11 ins. in the ground, for cor. of secs. 26, 27, 34 and 35, marked with 1 notch on the S. and 2 notches on the E. edges. raised a mound of stone 2 ft. base, 1 1/2 ft. high. W. of cor. Pits impracticable. Land, rolling, Soil, stony, 2nd and 3rd rate. Timber, scattering cedar and pinion. Dense undergrowth. 80.00 chs.
	East on a random line bet. secs. 26 and 35.
40.00	set temp. 1/4 sec. cor.
80.00	Intersect N. and S. line at the cor. of secs. 25, 26, 35 and 36 Thence We run West on a true line bet. secs. 26 and 35. Ascending through dense artimesa, scattering cedar and pinion

Subdivision of T. 29 S., R. 4 W. continued.

Chains	
3.00	Spur, projects N. E.
34.00	Bottom of ravine 250 ft. deep course N.
40.00	Set a trachyte stone 16 x 10 x 6 ins. 11 ins. in the ground. for 1/4 sec. cor. marked 1/4 S. 26 on N. 35 on S. faces. raised 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.
65.25	Wagon road, bears N. 30° E. and S. 30° W.
80.00	The cor. of secs. 26, 27, 34 and 35. Land, mountainous Soil, stony 2nd and 3rd rate. Timber, scattering cedar and pinion Dense undergrowth 80.00 chs.
	N. 0° 01' W. bet. secs. 26 and 27. Descending, through dense artimesa, scattering cedar and pinion
7.50	Ravine 20 ft deep, course E.
28.50	top of ridge, bears E and W.
40.00	In City Creek Cañon. 250 ft deep. Drains E. Set a trachyte stone 16 x 10 x 8 ins. 11 ins. in the ground, for 1/4 sec. cor. marked 1/4 S. 27 on W. 26 on E. faces. raised a mound of stone 2 ft. base, 1 1/2 ft. high, W. of cor. Pits impracticable.
50.50	City Creek, 10 lbs. wide huge water flows E.
51.00	Road, Cirdeville to Temmile Creek, bears E and W.
54.00	Begin steep ascent, along West side of mountain, through heavy cedar and pinion

Subdivision of T. 29 S., R. 4 W. continued.

Chains	
80.00	Set a trachyte stone 14 x 12 x 5 ins. 9 ins. in the ground, for cor. of secs. 22, 23, 26 and 27. marked, with 2 notches on the S. and E. edges. From which a pinion 19 ins in diam, bears N. 87° W. 6 lks dist. marked T. 29 S., R. 4 W., S. 22 B.T. a pinion 16 ins in diam, bears S. 86° W. 10 lks dist, marked T. 29 S. R. 4 W., S. 27 B.T. a pinion 3 ins. in diam, bears S. 30° E. 5 lks. dist, marked T. 29 S., R. 4 W., S. 26 B.T. a cedar 14 ins in diam, bears N. 45° E. 10 lks dist. marked T. 29 S., R. 4 W., S. 24 B.T. Land mountainous Soil, stony, 3rd and 4th rate. Timber, cedar and pinion. Dense undergrowth of Mountainous land 80.00 chs.
	East on a random line bet. secs. 23 and 26.
40.00	set temp. 1/4 sec. cor.
80.04	Intersect N. and S. line at the cor. of secs. 23, 24, 25 and 26
	Thence West
	West on a true line bet. secs. 23 and 26.
	Ascending along the South side of mountain through scattering cedar and pinion.
40.00	Set a trachyte 16 x 10 x 5 ins. 11 ins. in the ground for 1/4 sec. cor. marked 1/4 S. 23 on N. 26 on S. ? raised a mound of stone 2 ft. base 1½ ft. high. N. of cor. Pits impracticable.

Subdivision of T. 29 S., R. 4 W., Continued.

Chains	
72.00	Top of spur, projects S. W. 100 ft high. descend.
80.04	The cor. of secs. 22, 23, 26 and 27. Land, mountainous, Soil, stony clay. 4th rate. Timber scattering cedar and pinion. Mountainous land, 80.04 chs.

August 16th

At 7 a.m., l.m.t., We set off 38°16' N. on lat. arc: 13°48' N. on decl. arc; and determine a true meridian with the solar. at the cor. of secs. 22, 23, 26, and 27.

Thence We run N. 0°01' W. bet. secs. 22 and 23

Ascending along West side of mountain through dense cedar and pinion

30.00	Trachyte ledges 20 ft high bear N. E and S. W.
40.00	Set a trachyte stone 16 x 8 x 6 ins. 11 ins in the ground, for 1/4 sec. cor. marked 1/4 S 22 on W. 23 on E. From which a pinion 12 ins. in diam bears S. 30° E 15 lbs dist. marked 1/4 S. 23 B.T. a cedar 13 ins. in diam. bears S 45° W 1 lks dist. marked 1/4 S. 22 B.T.
42.00	Begin steep descent along West side of mountain.
57.00	Leave heavy timber enter scattering
71.50	Bottom of ravine 300 ft deep. course S. W. ascend.
80.00	set a trachyte stone 16 x 12 x 4 ins.

Subdivision of T. 29 S., R. 4 W., continued.

Chains.	
	11 ins. in the ground, for cor. of secs 14, 15, 22 & 23, marked with 3 notches on the S. and 2 notches on the E. raised a mound of stone 2 ft. base, 1½ ft. high. W. of cor. Pits impracticable, a pinion 12 ins. in diam. bears N. 73° W. 35 lks. dist., marked T. 29 S., R. 4 W., S. 15 B.T.
	No other suitable trees within limits.
	Land, mountainous.
	Soil, stony.
	Timber, cedar and pinion.
	Mountainous land, 80.00 chs.
	East on a random line between secs. 14 and 23.
40.00	Set temp. ¼ sec. cor.
80.06	Intersect N. and S. line 3 lks. S. of the cor. of secs. 13, 14, 23 and 24.
	Thence the line S. 89° 59' W. on a true line between secs. 14 and 23.
	Ascending along the N. E. side of mountain through scattering cedar and pinion
29.00	Top of mountain. Bears N. W. and S. W. enter heavy cedar and pinion descend
40.03	Set a trachyte stone 10 x 8 x 8 ins. 7 ins. in the ground for ¼ sec. cor., marked ¼ S. 14 on N. 23 on S. From petrick a pinion 6 ins. in diam. bears S. 80° E. 12 lks. dist., marked ¼ S. 23 B.T. a pinion 10 ins. in diam. bears N. 88° W. 26 lks. dist., marked ¼ S. 14 B.T.

Subdivision of T. 29 S., R. 4 W. continued.

Chains.	
41.00	Leave heavy timber enter scattering
72.00	Bottom of ravine 150 ft. deep 800 ft. below top of mountain drains S. W.
80.06	The cor. of secs. 14, 15, 22 and 23. Land, mountainous Soil, stony 3rd rate. Timber, cedar and pinion. Mountainous land. 80.06 chs.

N. 0° 01' W.
bet. secs. 14 and 15.
Ascending along west side of mountain, through scattering cedar and pinion

40.00	Set a trachyte stone 14 x 10 x 5 ins., 9 ins. in the ground, for 1/4 sec. cor. Marked 1/4 S. 15 on W. 14 on E. faces, raised a mound of stone 2 ft. base, 1 1/2 ft. high. W. of cor. Pits impracticable
51.80	Top of mountain ridge. bears N. 70° W. and S. 40° E. begin steep decent.
68.00	Ravine 40 ft. below ridge, drains E.
80.00	Set a trachyte stone 12 x 6 x 6 ins. 8 ins. in the ground, for cor. of secs. 10, 11, 14 and 15. Marked with 4 notches on the S. and 2 notches on the E. edge, raised a mound of stone 2 ft. base, 1 1/2 ft. high. W. of cor. Pits impracticable. Land mountainous. Soil, stony clay 3rd rate. Timber, cedar and pinion

Subdivision of T. 29 S., R. 4 W., continued.

Chains.	
	mountainous land, 80.00 chs.
	N. 89°59' E. on a random line bet. secs. 11 and 14
40.00	set temp. 1/4 sec. cor.
80.00	Intersect N. and S. line 5 lks. N. of the cor. of secs. 11, 12, 13, and 14. Thence we run N. 89°59' W. on true line bet. secs. 11 and 14. ascending, the E. side of mountain, through dense sage and scattering cedar and pinion.
28.00	Ravine 200 ft deep. course S. E.
40.00	Set a trachyte stone 24 x 8 x 4 ins in a mound of stone, for 1/4 sec. cor. marked 1/4 S. 11 on N. 14 on S. raised a mound of stone 2 ft. base, 1 1/2 ft. high N. of cor. Pits impracticable
63.00	Ravine 250 ft deep course S. E.
80.00	The cor. of secs. 10, 11, 14 and 15. Land, mountainous, Soil, stony 3rd rate. Timber, cedar and pinion. Mountainous land 80.00 chs.
	August 16th At this cor. we set off 13°43' N on decl. arc; and at 0h 4m p.m. l. m. t., observe the sun on the meridian the resulting lat. is 38°18' N.

Subdivision of T. 29 S. R. 4 W. continued.

Chains	
	N. 0° 01' W.
	bet. secs. 10 and 11.
	Ascending through dense page,
	scattering cedar and pinion
27.00	Top of ridge bears N. 25° E. and
	S. 25° W.
40.00	Set a trachyte stone 14 x 8 x 5 ins.
	9 ins. in the ground for 1/4 sec. cor.
	marked 1/4 S. 10 on W. face, 11 on E
	face, raised a mound of stone 2 ft.
	base, 1½ ft. high. W. of cor.
	Pits impracticable.
59.50	Pass on East side of rocky
	knoll, which connects with
	divide between
	Ten mile and City Creeks.
67.50	Begin steep descent.
80.00	Set a trachyte stone 18 x 8 x 6 ins.
	12 ins. in the ground, for cor.
	of secs. 2, 3, 10 and 11.
	Marked with 5 notches on the
	S. and 2 notches on the E. edges.
	raised a mound of stone 2 ft. base,
	1½ ft. high. W. of cor.
	Pits impracticable
	Land mountainous
	Soil, stony
	Timber, scattering cedar and pinion.
	Mountainous land and
	Dense undergrowth 80.00 Chs.
	S. 89° 59' E. on a random line
	bet. secs. 2 and 11.
40.00	Set temp. 1/4 sec. cor.
80.04	Intersect N. and S. line at the cor.
	of secs. 1, 2, 11 and 12.
	Thence Spe. pine

Subdivision of T. 29 S., R. 4 W., continued.

Chains.	
	N. 89° 59' W. on a true line between secs. 2 and 11. Ascending the East side of the Mountain, through dense sage, scattering cedar and pinion.
40.02	Set a trachyte stone 16 x 10 x 4 ins. 11 ins. in the ground, for 1/4 sec. cor. marked 1/4 S 2. on N. 11 on S. faces, raised a mound of stone 2 ft. base, 1 1/2 ft. high. N. of cor. Pits impracticable. This point being subject to slides. Set witness cor. also
57.00	On top of ridge, bears N and S. set a trachyte stone for witness 1/4 sec. cor. marked W. C. 1/4 S 2 on N face, raised a mound of stone 2 ft. base 1 1/2 ft high. W of cor. Pits impracticable. Leave timbered land.
79.00	Ravine 500 ft below ridge, course N. W. and
80.04	The cor. of secs. 2, 3, 10 and 11. Land, mountainous Soil, stony 3rd rate. Timber, scattering cedar and pinion Dense undergrowth and mountainous land, 80.04 chs.

N. 0° 01' W. on a random line between secs. 2 and 3.

40.00	Set temp. 1/4 sec. cor.
76.11	Intersect N. bdy. of T. 4 chs. E. of the cor. of secs. 34 and 35. T. 28 S., R. 4 W. set by us.

Set a trachyte stone 15 x 8 x 6 ins. 10 ins. in the ground for closing cor. of secs. 2 and 3. T. 29 S., R. 4 W., Marked C. C. on S. with 2 grooves

Subdivision of T. 29 S., R. 4 W., continued.

chains	
	on the E. and 4 grooves on the W. faces. raised a mound of stone 2 ft. base, 1 1/2 ft. high. S. of cor. Pits impracticable. Thence Wpe run S 0° 01' E. bet. secs. 2 and 3. Descending through dense sage and oak brush.
21.50	Ten Mile Creek, 5 lks. wide 3 ins. deep. pure water flows E. ascend
26.50	Wagon road, Ten Mile to City Creek, bears N.E. and S.W.
36.00	set atrachyte stone 13 x 12 x 7 ins. 8 ins. in the ground, for 1/4 sec. cor. marked 1/4 S. 3 on W. 2 on E. faces. raised a mound of stone 2 ft base, 1 1/2 ft. high. W. of cor. Pits impracticable
72.50	Dry ravine 200 ft deep. Course N 15° W.
76.00	The cor. of secs. 2, 3, 10 and 11. about 1000 ft. below closing cor. Land, mountainous Soil, stony 3rd rate. No timber, Dense under growth and Mountainous land 76.00 chs. August 16th
	August 17th At 7 a.m., l. m. t., Wpe set off 38° 15' N on lat. arc; 13° 29' N. on decl. arc; and determine a true meridian with the Solar at the cor. of secs. 33 and 34 on the S. bdy. of Tp. heretofore described.

Subdivision of T. 29 S., R. 4 W. continued.

chains	
	Thence W. per run No. 1 W. bet. secs. 33 and 34
	Ascending through dense timber, scattering cedar and mahogany.
11.00	Top of mountain. bears N. 20° W. and 70° E.
	Descend.
32.40	Wood road bears E. and W.
38.00	Trachyte Cliffs 80 ft. high. bear E. and W.
40.00	set a trachyte stone 15 x 8 x 6 ins. 10 ins. in the ground, for 1/4 sec. cor. marked 1/4 S. 33 on W. face. 34 on E. faces. raised a mound of stone 2 ft. base, 1 1/2 ft. high. W. of cor.
	Pits impracticable
56.00	Top of rocky spur projects E.
69.00	Begin steep descent.
78.00	Dry run drains N.E.
80.00	set a trachyte stone 14 x 12 x 10 ins. 10 ins. in the ground, for cor. of secs. 27, 28, 33 and 34. marked with 3 notches on the E. and 1 notch on the S. edges. raised a mound of stone 2 ft. base, 1 1/2 ft. high W. of cor. Pits impracticable. Land, mountainous soil, stony 4th rate. Timber, scattering cedar and mahogany. Dense undergrowth and Mountainous land, 80.00 chs.

East on a random line bet. secs. 27 and 34.

Subdivision of T. 29 S., R. 4 W., Continued.

Chains	
40.00	set temp. 1/4 sec. cor.
80.00	Intersect N. and S. line 5 lks N. of the cor. of secs. 26, 27, 34 and 35
	Thence We run N. 89°58' W. on a true line bet. secs. 27 and 34.
	Ascending East side of mountain, through dense artimesa, scattering cedar and pinion
40.00	400 ft above sec. cor.
	Set a trachyte stone 14 x 8 x 5 ins. 10 ins. in the ground, for 1/4 sec. cor. marked 1/4 S. 27 on N. 34 on S. faces raised a mound of stone 2 ft. base, 1 1/2 ft. high N. of cor.
	Pits impracticable.
78.00	Dry run
	drains N. E.
80.00	The cor. of secs. 27, 28, 33 and 34.
	Land, mountainous.
	Soil, stony 3rd rate.
	Timber, scattering cedar and pinion
	Mountainous land, and
	Dense undergrowth 80.00 chs.
	N. 0°1' W.
	bet. secs. 27 and 28.
	Ascending over rolling foot hills through dense artimesa, scattering cedar and pinion.
37.00	Dry run
	drains E.
40.00	Set a trachyte stone 14 x 7 x 6 ins. 10 ins. in the ground, for 1/4 sec. cor. marked 1/4 S. 28 on W. 27 on E. faces raised a mound of stone 2 ft. base, 1 1/2 ft. high W. of cor.

Subdivision of T. 29 S., R. 4 W., continued.

Chains.	
	Pits impracticable.
42.70	Dry run
	Drains E.
80.00	Set a trachyte stone 12×10×7 ins. 8 ins. in the ground, for cor. of secs. 21, 22, 27 and 28. Marked with 3 notches on the E. and 2 notches on the S. edges. Raised a mound of stone, 2 ft. base, 1½ ft. high W. of Cor. Pits impracticable.
	Land, mountainous
	Soil, stony 3rd rate.
	Timber, scattering cedar and pinion.
	Dense undergrowth.
	Mountainous land 80.00 chs.

	S. 89° 58' E. on a random line bet. secs. 22 and 27.
40.00	Set temp. ¼ sec. cor.
80.07	Intersect N. and S. line 5 lks. S. of the cor. of secs. 22, 23, 26 and 27
	Thence W. run West on a true line bet. secs. 22 and 27.
	Descend, through dense pinion pine and cedar.
27.00	Dry ravine 8.00 ft below Cor. Course S.
	Leave timber bears N. & S. enter dense artimesa.
	ascend
40.01	Set a trachyte stone 16×10×8 ins. 11 ins. in the ground, for ¼ sec. cor. marked ¼ S. 22 on N. 27 on S. faces. Raised a mound of stone, 2 ft base, 1½ ft. high N. of Cor.

Subdivision of T. 29 S., R. 4 W. continued

Chains	
	Pits impracticable
11.00	Wagon road,
	Ten mile creek to Cedarville
	bears N. W. & S. E.
13.50	City Creek. 8 lbs wide
	fuel water flows S. E.
80.02	The cor. of secs. 21, 22, 27 & 28.
	Land, mountainous
	Soil, stony 3rd rate,
	Timber, Cedar & Pinion
	Dense underg rowth &
	Mountainous land 80.02 chs.
	August 17th
	At this cor. we set off
	13°24' N on decl. arc; and at
	0h. 4m. p.m. l. m. t., observe the
	sun on the meridian, the
	resulting lat. 38°16' N.
	NO 1 W.
	bet. secs. 21 & 22.
	Descending, through dense
	artimesa.
8.00	Pits Creek. 8 lbs wide, course S. E.
10.00	Wood road, bears N. W. & S. E. ascend.
12.00	Begin steep ascent through
	scattering Cedar & Pinion bears E. & W.
32.00	Top of ridge bears E. & W.
	descend leaves timber bears N. W.
	and S. E.
40.00	set a trachyte stone 12 x 8 x 6 ins
	8 ins. in the ground for 1/4 sec. cor.
	marked 1/4 S. 21 on W. 22 on E. faces
	raised a mound of stone 2 ft
	base 1 ft high W. of cor.
	Pits impracticable
60.00	Dry run
	dedin S. E.

Subdivision of T. 29 S. R. 4 W. continued.

Chains	
80.00	Set a trachyte stone 14x12x8 ins. 9 ins. in the ground, for cor. of secs. 15, 16, 21 and 22. marked 29 S. on N. E. 4 W. on S. E. faces with 3 notches on the S. and E. edges, raised a mound of stone 2 ft. base, 1½ ft. high. W. of Cor. Pits impracticable. Land, mountainous soil, stony, 3rd rate. Timber, scattering Mountainous land and Dense undergrowth 80.00 Chs.
	East on a random line bet. secs. 15 and 22.
40.00	set temp. 1/4 sec. cor.
80.04	Intersect N. and S. line at the cor. of secs. 14, 15, 22 and 23. Thence We run West on a true line bet. secs. 15 and 22. Descending through dense artimesa, scattering cedar and pinion
12.00	Bottom of ravine 100 ft. deep drains S. leave cedar and pinion
15.25	Top of ridge bears N. and S.
21.00	Bottom of ravine 200 ft. deep. course S. ascend.
40.02	Set a trachyte stone 24x10x6 ins. in a mound of stone, for 1/4 sec. cor. marked 1/4 S. 15 on N 22 on S. raised a mound of stone 2 ft. base, 1½ ft. high N. of Cor. Pits impracticable

Subdivision of T. 29 S., R. 4 W. continued

Chain.	
46.00	wagon road Ten mile creek to Circleville bears N. 15° E. and S. 15° W.
— 80.04	The cor. of secs. 15, 16, 21 and 22, Land, mountainous Soil, stony 3rd rate, Timber, cedar 2nd pinion. Mountainous land 2nd Dense undergrowth 80.04 chs.

N. 0° 1' W.
Set. secs. 15 and 16.
Ascending through dense artimesa

38.00	Dry runs drains S. E.
40.00	Set a trachyte stone 12 x 9 x 8 ins. 8 ins. in the ground for 1/4 sec. cor. marked 1/4 S. 16 on W. 15 on E. faces, raised a mound of stone 2 ft. base, 1½ ft. high W. of Cor. Pits impracticable
47.00	R. 2 ins 100 ft deep. Course S. E. ascend
— 80.00	Set a trachyte stone 12 x 10 x 6 ins. 8 ins. in the ground for cor. of secs. 9, 10, 15 and 16, marked with 4 notches on the S. and 3 notches on the E. edges, raised a mound of stone 2 ft. base, 1½ ft. high W. of cor. Pits impracticable. Land, mountainous Soil, stony 4th rate. No timber Mountainous land 2nd Dense undergrowth, 80.00 chs.

Subdivision of T. 29 S., R. 4 W. Continued

Chains	
	August 18th
	At 7 a.m., l.m.t., We set off 38°18' N. on lat. arc: 13°10' N on decl. arc: and determine a true meridian with the solar at the cor. of secs. 9, 10, 15 and 16.
	Thence We run
	E on a random line
	bet. secs. 10 and 15.
40.00	set temp. 1/4 sec. cor.
80.06	Intersect N. and S. line at the cor. of secs. 10, 11, 14 and 15
	Thence We run
	West on a true line
	bet. secs. 10 and 15
	Ascending, through dense artimesa
10.50	Top of ridge, bears N. and S. descend.
21.00	Bottom of ravine 500 ft. deep course S. 15° E. and
	Wood road, Ten mile creek to Circle-ville ascend
	west side of mountain
40.03	Set a trachyte stone 16 x 10 x 5 ins. 11 ins. in the ground, for 1/4 sec. cor. marked 1/4 S. 10 on N. 15 on S. faces, raised a mound of stone 2 ft. base, 1 1/2 ft. high N. of Cor. Pits impracticable.
80.06	The cor. of secs. 9, 10, 15 and 16.
	Land, Mountainous
	Soil, stony 3rd rate.
	No timber
	Mountainous land and
	Dense underg rowth, 80.06 chs.

Subdivision of T. 29 S., R. 4 W. continued.

Chains	
	N. 0° 1' W.
	bet. secs. 9 and 10.
	Ascending through dense artimesa and oak.
30.50	Top of ridge, bears E. and W.
40.00	Set a trachyte stone 16 x 10 x 6 ins. 11 ins. in the ground for 1/4 sec. Cor. marked 1/4 S. 9. on W. 10 on E. faces. raised a mound of stone 2 ft. base, 1 1/2 ft. high, W. of Cor. Pits impracticable.
	head of ravine
	bears E. ascend.
80.00	Set a trachyte stone 24 x 14 x 6 ins. in a mound of stone, for cor. of secs. 3, 4, 9 and 10. marked with 5 notches on the S. and 3 notches on the E. and W. raised a mound of stone 2 ft. base, 1 1/2 ft. high W. of Cor. Pits impracticable.
	Land, mountainous
	Soil, stony
	No timber
	Mountainous land and
	Dense under growth 80.00 chs
	East on a random line
	bet. secs. 3 and 10.
40.00	Set temp. 1/4 sec. cor.
79.98	Intersect N. and S. line 3 lks. S. of the cor. of secs. 2, 3, 10 and 11.
	Thence we run
	S. 89° 59' W. on a true line
	bet. secs. 3 and 10.
	Ascending through dense artimesa and oak brush.
2.00	Top of knoll,
	descend.

Subdivision of T. 29 S., R. 4 W. continued.

Chains.	
7.50	Bottom of Cañon drains N. 30° E. and wagon road, 7 mile creek to Circleville. bears N. 30° E and S. 30° W. ascend. the West side of mountain
39.99	set a trachyte stone 14 x 12 x 9 ins. 9 ins. in the ground, for 1/4 sec. cor. marked 1/4 S. 3 on N. 10 on S. faces. raised a mound of stone 3 ft. base, 1 1/2 ft. high N. of cor. Pits impracticable.
79.98	The cor. of secs. 3, 4, 9 and 10. Land, mountainous Soil, stony 4th rate. No timber. Mountainous land and Dense undergrowth. 79.98 chs.

August 18th At this cor. the pet off 13° 05' N. on decl. arc; and at 0 h. 4 m. p.m. l. m. t, observe the sun on the meridian the resulting lat. is 38° 19' N.

N. 0° 1' W. on a random line. bet. secs. 3 and 4.

40.00	set temp. 1/4 sec. cor.
76.00	Intersect N. bdy of T. 4 chs. E. of the cor. of secs. 33 and 34 T. 28 S., R. 4 W. Established by us. Set a trachyte stone 16 x 12 x 6 ins. 10 in ground for closing cor. of secs 3 and 4. Marked C.C. on S. with 3 grooves on the E. and W. faces. raised a mound of stone 2 ft.

Subdivision of T. 29 S., R. 4 W. continued.

Chains.

base, 1½ ft. high. S. of Cor.
Pits impracticable
Thence We run
S 0° 1 E. on a true line
bet. secs. 3 and 4.
Descending, through dense artimes
and oak brush.

2.00 Ten mile creek, and cañon 400 ft
deep. creek 5 lks wide pure water
flows. E. ascend
through scattering cedar and
pinion.

9.00 Top of ridge, bears E. and W.

20.00 Bottom of ravine 300 ft deep
drains E. ascend
point for ¼ sec. cor falls on
broken ledges and slide
therefore

30.00 Set a trachyte stone 15×10×5 ins.
10 ins. in the ground for Witness
¼ sec. cor. marked W.C. ¼ S. 4 on
W. 3 on E. faces.
raised a mound of stone 2 ft.
base, 1½ ft high N. of Cor
pits impracticable
Ascend over brok. trachyte ledges bear E and W.

36.00 Point for ¼ sec. cor. falls on inaccessable place and is not

49.00 Top of ridge bears N. 80° E. and S. 80 W.
leave broken ledges. descend.

70.00 Point of Spur projects E.
leave timber

76.00 The Cor. of secs. 3, 4, 9 and 10.
Land, mountainous
Soil, stony 4th rate.
Timber scattering cedar and pinion.
Mountainous land
and dense undergrowth.
76.00 chs.

Subdivision of T. 29 S., R. 4 W. continued.

Chains	
	August 19th
	At 7 a.m., l. m. t., We set off 38° 15' N. on Sat. arc; 12° 51' non dec. arc; and determine a true meridian with the Solar, at the cor. of secs. 32 and 33 on the S. bdy. of T.
	Established by us.
	Thence W. on
	N. 0° 02' W.
	bet. secs. 32 and 33.
	Descending, through dense
	altimesa, along the East side
	of Mountain
2.50	Ravine 200 lks. deep.
	Course E. ascend.
40.00	Set a trachyte Stone 10 x 10 x 6 ins.
	7 ins. in the ground, for 1/4 sec. cor.
	marked 1/4 S. 32 on W. 33 on E. & on
	raised a mound of stone 2 ft. base,
	1 1/2 ft. high W. of cor.
	Pits impracticable.
80.00	Set a trachyte Stone 16 x 10 x 5 ins. 11 ins.
	in the ground for cor. of secs.
	28, 27, 32 and 33. Marked with 4
	Notches on the E. and 1 notch
	on the South & raised a mound
	of stone 2 ft. base, 1 1/2 ft. high.
	W. of cor.
	Pits impracticable,
	Land, mountainous
	Soil Stony 3rd rate.
	No timber.
	Mountainous land and
	Dense pinon growth 80.00 chs.

	Cast on a random line
	bet. secs. 28 and 33.

Subdivision of S. 29 S., R. 4 W. continued.

Chains.	
40.00	set temp. 1/4 sec. cor.
80.00	Intersect N. and S. line at the cor. of secs 27, 28, 33 and 34. Thence W. pursuing Weston's true line bet. secs. 28 and 33. Ascending East side of Mountain through dense adinisa and oaks brush, scattering cedar and pinion.
230.00	Top of ridge bears N.W. and S.E.
240.00	Set a trachyte stone 14x12x10 ins. 9 ins in the ground, for 1/4 sec. cor. marked 1/4 S. 28 on N. 33 on S. faces. raised a mound of stone 2 ft. base 1 1/2 ft. high N. of cor. Pits impracticable.
280.00	The cor. of secs. 28, 29, 32 and 33. Land, Mountainous Soil, stony 3rd rate, Timber, scattering cedar and pinion Mountainous land, and Dense undergrowth 80.00 chs.
	N. 0° 02' W. bet. secs. 28 and 29. Over rolling foot hills along the E. side of mountain, through dense adinisa.
18.00	Ridge, bears N.E. and S.W. Descend through scattering timber.
240.00	Set a trachyte stone 15x10x5 ins. 10 ins. in the ground, for 1/4 sec. cor. marked 1/4 S. 29 on W. 28 on E. faces raised a mound of stone 2 ft. base, 1 1/2 ft. high W. of cor. Pits impracticable.
280.00	Set a trachyte stone 16x9x6 ins

Subdivision of T. 29 S., R. 4 W. continued.

Chains.	
	11 ins. in the ground for cor. of secs. 20, 21, 28 and 29. Marked with 4 notches on the E. and 2 notches on the S. edges, raised a mound of stone 2 ft. base, 1½ ft. high N. of cor. Pits impracticable. Land, mountainous Soil, stony 3rd and 4th rate. Timber, scattering Mountainous land and Dense undergrowth. 8000 chs.
	August 19th At this cor. we set off 12°46' N. on decl. arc. and at 0 h. 3½ m. p.m.l. m. t. Observe the sun on the meridian the resulting lat. is 38°16' N.
	Thence we run East on a random line bet. secs. 21 and 28.
40.00	set temp. ¼ sec. cor.
80.02	Intersect N. and S. line 4 lks. S. of the cor. of secs. 21, 22, 27 and 28. Thence we run S. 89°58' W. on a true line bet. secs. 28 and 21 Ascending the East side of mountain, through dense artimesa and oak.
23.50	Spur, projects N.E.
40.00	Set a trachyte stone 14 x 9 x 7 ins.
—	9 ins. in the ground, for ¼ sec. cor. marked ¼ S. 21 on N., 28 on S. faces, raised a mound of stone 2 ft. base, 1½ ft. high N. of cor. Pits impracticable.

Subdivision of T. 2 S. R. 4 W., contin.

Chains	
80.02	On S. E. side of City Creek Canon. The cor. of secs. 20, 21, 28 and 29. Land, mountainous Soil, stony 4th rate. Timber, scattering Mountainous land, Dense undergrowth 80.02 chs.
	N. 0° 2' W. bet. secs. 20 and 21. Descending, over rolling foot hills, through dense arbutus and oak brush, scattering timber, aspen and pine.
8.00	South fork of City Creek, 5 lks. wide, pine water flows N. E.
40.00	Set a trachyte stone 16 x 10 x 4 ins. 11 ins. in the ground, for 1/4 sec. cor. marked 1/4 S. 20 on W., 21 on E. faces, raised a mound of stone 2 ft. base, 1 1/2 ft. high W. of cor. Pits impracticable.
51.00	Ravine 20 ft. deep. Course E.
80.00	Set a trachyte stone 15 x 9 x 5 ins. 10 ins. in the ground for cor. of secs. 16, 17, 20 and 21. marked with 4 notches on the E. and 3 notches on the S. edges, raised a mound of stone 2 ft. base, 1 1/2 ft. high W. of cor. Pits impracticable. Land, mountainous Soil, stony 4th rate.

Subdivision of T. 29 S., R. 4 W. continued.

Chains	
	Timber, Aspen and fine. Mountainous land, and Dense undergrowth. 80.00 chs.
	N. 89°58' E. on a random line bet. secs. 16 and 21.
40.00	Set temp. 1/4 sec. cor.
80.06	Intersect N. and S. line at the cor. of secs. 15, 16, 21 and 22. Thence we run S. 89°58' W. on a true line bet. secs. 16 and 21. Ascending the East side of mountain, through dense oak and at times a scattering Cedar and pinion.
37.00	Top of ridge bears N. and S. descend
35.00	Top of trachyte cliffs 400 ft. high, bears N. and S. point for 1/4 sec. cor. will fall on rocky slope subject to slide. therefore at this point set a trachyte stone 18 x 14 x 6 ins. in a mound of rock for witness 1/4 sec. cor. Marked W. C. 1/4 S. 16 on N. 21 on S. faces. raised a mound of 2 ft. base 1 1/2 ft. high N. of cor. Pits impracticable.
40.03	Point for 1/4 sec. cor. fall on land subject to slide and is not set.
56.00	N. fork of city creek 4 lks wide pure water flows S. 20° E. ascend.
80.06	The cor. of secs. 16, 17, 20 and 21 Land, mountainous, Soil, stony 4th rate. Timber, scattering Mountainous land and Dense undergrowth 80.06 chs.

Subdivision of T. 29 S. R. 4 W. continued

Chains	
	No. 02' W.
	bet. secs. 16 and 17.
	Over, broken foot hills on the E. side of mountain, through dense artimesa and oak brush, scattering aspen and pine.
40.00	Set a trachyte stone 15x10x5 ins. 10 ins. in the ground, for 1/4 sec. cor. marked 1/4 S. 17 on W. 16 on E. faces. raised a mound of stone 2 ft. base 1 1/2 ft. high. W. of cor.
	Pits impracticle.
42.00	North fork of City creek 4 lks wide. pure water flows S.E.
	ascend. over broken ledges.
80.00	Set a trachyte stone 16x10x5 ins. 11 ins. in the ground, for cor. of secs. 8, 9, 16 and 17. marked with 4 notches on the S. and E. edges. raised a mound of stone, 2 ft. base, 1 1/2 ft. high. W. of cor.
	Pits impracticable
	Land, mountainous
	Timber, aspen and pine.
	Mountainous land and
	Dense undergrowth 80.00 chs.
	August 19th
	August 20th
	At 7 a.m. l.m.t., We set off 38°18 N. on lat. arc. 12°31 N. on decl. arc. and determine a true meridian with the solar at the cor. of secs. 8, 9, 16 and 17.
	Thence We run
	N. 89°58' W. on a random line bet. secs. 9 and 16
40.00	set temp. 1/4 sec. cor.

Subdivision of T. 29 S. R. 4 W. continued.

Chains	
80.08	Intersect N. and S. line 3 lks S. of the cor. of secs. 9, 10, 15 and 16. Thence we run S. 89°57' W. on a true line. bet. secs. 9 and 16. Ascending through dense artimesa and oak brush.
28.70	Foot of trachyte ledges and cliffs 400 ft. high. bear N. and S. point for 1/4 sec. cor. will fall on rocky slope subject to slides therefore. Set a trachyte stone 12x10x6 ins. 8 ins. in the ground for witness 1/4 sec. cor. marked W.C. 1/4 S. 9. on N. 16 on S. faces. raised a mound of stone 2 ft. base, 1 ft. high N. of lot. Pits impracticable
40.04	Point for 1/4 sec. cor. fall on land subject to slide and is not set.
57.00	Ravine 35 ft. deep. drains S. enter scattering aspen.
80.08	The cor. of secs. 8, 9, 16 and 17. Land, mountainous Soil, stony, 3rd rate. Timber scattering Mountainous land and Dense undergrowth. 80.08 chs.

N. 0°2' W.
bet. secs. 8 and 9.
Ascending over broken foot hills along the East side of mountain, through dense oak brush and scattering aspen timber.

40.00	Set a trachyte stone 16x10x5 ins. 11 ins. in the ground for 1/4 sec. cor. marked 1/4 S. 8 on W. 9 on E. faces.

Subdivision of T. 29 S., R. 4 W. continued.

Chains	
	raised a mound of stone 2 ft. base, 1½ ft. high W. of cor.
	Pits impracticable
66.00	Ravine 15 ft deep
	Course S. E.
80.00	Set a trachyte stone 15 x 10 x 4 ins. 10 ins. in the ground, for cor. of secs. 4, 5, 8 and 9. marked with 5 notches on the S. and 4 notches on the E. edges. raised a mound of stone 2 ft. base, 1½ ft. high W. of cor.
	Pits impracticable.
	Land, mountainous.
	Soil, stony 4th rate.
	Timber, scattering
	Mountainous land and
	Dense undergrowth. 80.00 chs.
	August 20th
	At this cor. we set off 12°26' N on decl. arc; and at 0h 3m p.m. l. m. t., observe the sun on the meridian; the resulting lat. is. 38°19' N.
	N. 89°57' E on a random line, bet. secs. 4 and 9.
40.00	set temp. ¼ sec. cor.
80.00	Intersect N and S. line 5 lks. N. of the cor. of secs. 3, 4, 9 and 10.
	Thence we run
	S. 89°59' W. on a true line bet. secs. 4 and 9.
	Ascending, the E. side of mountain, through dense Artimesa, scattering cedar and pinion.
17.50	Foot of trachyte cliffs, 200 ft high bear N. and S.

Subdivision of T. 29 S., R. 4 W. continued.

Chains	
40.00	Set a trachyte stone 15 x 10 x 5 ins 10 ins in the ground, for 1/4 sec. cor., marked 1/4 S. 4 on N. & on S. faces. Raised a mound of stone 2 ft. base, 1 1/2 ft. high N. of cor. Pits impracticable.
80.00	The cor. of secs. 4, 5, 8 and 9. Land, mountainous. Soil, stony. 4th rate. Timber, scattering. Mountainous land and Dense undergrowth 80.00 chs.
	N. 0° 02' W. on a random line bet. secs. 4 and 5.
40.00	Set temp. 1/4 sec. cor.
76.10	Intersect N. bdy. of G.L. 4.05 chs. E. of the cor. of secs. 32 and 33.
	Set a trachyte stone, 12 x 9 x 5 ins., 8 ins. in the ground, for closing cor. of secs. 4 and 5. Marked C. C. on S. with 4 grooves on the E. and 2 grooves on the W. faces.
	From which a pine 6 ins. in diam. bears S. 75° E. 4 lks. dist. marked T. 29 S., R. 4 W., S. 4. B. T. a pine 14 ins. in diam. bears S. 50° W., 14 lks. dist. marked T. 29 S., R. 4 W. S. 9. B. T.
	Thence W. per run S. 0° 02' E. on a random line bet. secs. 4 and 5. Ascending along the E. side of mountain spur through pine and aspen

Subdivision of T. 29 S., R. 4 W. continued

Chains	
36.10	Set a trachyte stone 15 x 9 x 5 ins. 10 ins. in the ground for 1/4 sec. cor. marked 1/4 S. 5 on W. 4 on E. face, raised a mound of stone 2 ft. base 1 1/2 ft. high W. of cor. Pits impracticable
68.00	Top of mountain ridge, bears E. and W. descend.
76.10	The cor. of secs. 4, 5, 8 and 9. Land, mountainous soil, stony 4th rate. Timber, pine and aspen. Mountainous land, 76.10 chs. August 20th
	August 21st At 7 a.m., l.m.t., We set off 38°15' N. on lat. arc; 12°11' N. on decl. arc; and determine a true meridian with the solar at the cor. of secs. 31 and 32 on the South bdy. of Tp. heretofore described. Thence We run N. 0°03' W. bet. secs 31 and 32. Ascending over broken ledges and cliffs.
8.00	Leave ledges and cliffs bear N. E. and S. W.
33.00	Top of mountain ridge bears N. E. and S. W. Descend through scattering timber.
40.00	Set a trachyte stone 16 x 10 x 5 ins. 11 ins. in the ground, for 1/4 sec. cor. marked 1/4 S. 31 on W. 32 on E. faces, raised a mound of stone

Subdivision of T. 29 S., R. 4 W. continued.

Chains	
	2 ft. base, 1½ ft. high W. of cor. Pits impracticable.
80.00	On S. side of City creek Cañon. Set a trachyte stone 15 x 10 x 5 ins. 10 ins. in the ground, for cor. of secs. 29, 30, 31 and 32. Marked with 5 notches on the E. and 1 notch on the S. edges. raised a mound of stone 2 ft. base, 1½ ft. high W. of Cor. Pits impracticable. Land, mountainous Soil, stony 4th rate. Timber, scattering Mountainous land, 80.00 Chs.
	East on a random line bet. secs. 29 and 32.
40.00	Set temp. ¼ sec. cor.
80.00	Intersect N. and S. line at the Cor. of secs. 28, 29, 32 and 33. Thence We run West on a true line bet. secs. 29 and 32. Ascending, through dense Arbutus and oak.
15.00	Ridge, bears N. E. and S. W. Descend enter scattering timber
40.00	Set a trachyte stone 16 x 9 x 5 ins. 11 ins. in the ground, for ¼ sec. cor. marked ¼ S. 29 on N. 32 on S. faces, raised a mound of stone 2 ft base 1½ ft high N. of Cor. Pits impracticable.

Subdivision of T. 29 S., R. 4 W., continued.

Chains	
80.00	The cor. of secs. 29, 30, 31 and 32.
	Land, mountainous
	Soil, stony 4th rate.
	Timber scattering
	Mountainous land, 2nd.
	dense undergrowth 80.00 chs.
	West on a random line
	bet. secs. 30 and 31.
40.00	Set temp. 1/4 sec. cor.
78.55	Intersect W. bdy. of T. heretofore described
	at the cor. of secs. 25, 30, 31 and 36.
	Thence We run
	East on a true line bet.
	secs. 30 and 31.
	Descend, through dense artimesa
	and aspen.
9.00	ravine 300 ft deep
	course S. ascend.
20.00	Leave aspen
24.00	Foot of trachyte cliffs 75 ft high
	bear N. and S.
28.00	Spur, projects S. W.
	descend along E. side of mountain
	through scattering aspen and
	pine.
38.55	Set a trachyte stone 17 x 8 x 6
	ins. 11 ins. in the ground.
	for 1/4 sec. cor. marked 1/4 S. 30
	on N. 31 on S. faces.
	From which an aspen 8 ins in
	diam bears N. 15° W. 19 lks. dist.
	marked 1/4 S. 30, B.T.
	An aspen 8 ins. in diam. bears
	S. 60° W. 26 lks. dist. marked 1/4 S. 31
	B.T.
57.00	S. Fork of City creek 3 lks
	wide, pure water flows N.E.

Subdivision of T. 29 S., R. 4 W. continued.

Chains.	
	In cañon 800 ft deep. ascend.
78.55	The cor. of secs. 29, 30, 31 and 32. Land mountainous, Soil, stony 4th rate. Timber, scattering Aspen and pine. Mountainous land, 78.55 chs.
	August 21st At this cor. We set off 12°06' N. on decl. arc; and at 0h3m. p.m. l. m. t., observe the sun on the meridian the resulting lat. is 38°16' N
	No°03' W. bet secs. 29 and 30. Descending, through dense Artimesa and oak Scattering aspen and pine
22.00	S. fork of City Creek 4 lbs. wide, pure water flows N.E. in Canon 700 ft. deep. ascend.
40.00	Set a trachyte stone 16 x 10 x 4 ins. 11 ins. in the ground, for 1/4 sec. Cor. marked 1/4 S. 30 on W. 29 on E. From which an aspen 3 ins. in diam bears E. 12 lbs. dis. marked 1/4 S. 29. B.T. an aspen 5 ins. bears W. 15 lbs. dis. marked 1/4 S. 30 B.T.
47.00	Top of ridge, bears N.E. and S.W. descend
80.00	Set a trachyte stone 15 x 10 x 5 ins. 10 ins. in the ground, for cor. of secs. 19, 20, 29 and 30. marked with 5 notches on the E.

Chains	
	and 2 notch on the S. edges. From which an aspen 4 ins in diam bears N. 40 E. 19 lks. dist marked T. 29 S. R. 4 W. S. 20 B.T. an aspen 3 ins. in diam. bears S. 50° E. 16 lks dist. marked T. 29 S. R. 4 W. S. 29 B.T. An aspen 5 ins. in diam. bears S. 45 W. 18 lks dist. marked T. 29 S. R. 4 W. S. 30 B.T. An aspen 6 ins. in diam. bears N. 60° W. 9 lks. dist. marked T. 29 S. R. 4 W. S. 19 B.T. Land, mountainous Soil, stony 4th rate. Timber aspen and pine. Mountainous land, 80.00 chs.
	East on a random line bet. secs. 20 and 29.
40.00	Set temp. 1/4 sec. cor.
80.10	Intersect N. and S. line 5 lks S. of the cor. of secs. 20, 21, 28 and 29. Thence we run S. 89°58' W. on a true line bet. secs. 20 and 29. Descend, through scattering aspen and pine.
11.00	S. fork of City Creek 4 lks wide pure water flows N. E. in canon 600 ft deep. ascend.
40.05	Set a trachyte stone 12 x 10 x 6 ins. 8 ins. in the ground, for 1/4 sec. cor. marked 1/4 S. 20 on N. face, raised a mound of stone 2 ft. base, 1 1/2 ft high N. of cor. Pits impracticable

Subdivision of T. 29 S. R. 4 W. continued.

Chains.	
48.00	top of mountain ridge. bears N. E. and S. W.
80.10	The cor. of secs. 19, 20, 29 and 30. Land, mountainous Soil, stony, 4th rate. Timber, pine and aspen. Mountainous land 80.10 chs.
	West on a random line bet. secs. 19 and 30.
40.00	Set temp. 1/4 sec. cor.
78.48	Intersect W. bdy. of T. at the cor. of secs. 19, 24, 25 and 30. heretofore described. Thence West on a true line bet. secs 19 and 30. Descending through dense aspen and pine timber along the East side of mountain.
11.00	Dry run in opening drains N. E.
38.48	Set a flat trachyte stone 15 x 9 x 6 ins. 10 ins. in the ground, for 1/4 sec. cor. marked 1/4 S. 19 on N. 30 on S. faces. From which an aspen 3 ins. in diam. bears N. 10 lks. dist. marked 1/4 S. 19. B. T. an aspen 4 ins. in diam. bears S. 12 lks dist. marked 1/4 S. 30 B. T.
51.00	Ridge. bears N. E. and S. W. East side heavy dense timber.
53.00	Enter dense timber. bears N. E. and S. W.
78.48	The cor. of secs 19, 20, 29 and 30. Land, mountainous Soil, stony, 3rd rate. Timber, pine and aspen Mountainous land and heavy timber 78.48 chs

Subdivision of T. 29 S., R. 4 W. contin

Chains

August 22nd At 7 a.m. l. m. t. We set off 38°16' N. on lat. arc; 11°51' W. on decl. arc; and determine a true meridian with the solar, at the cor. of secs. 19, 20, 29 and 30.

Thence We run N. 0°03' W.

Bet. secs. 19 and 20.

Descending along the E. side of mountain, through dense aspen and pine.

40.00 Set a trachyte stone 15×10×4 ins 10 ins. in the ground for 1/4 sec. Cor. marked 1/4 S. 19 on W. 20 on E. faces. From which an aspen 4 ins in diam bears E. 20 lbs dis marked 1/4 S. 20 B.T.

An aspen 3 ins. in diam, bears W. 5 lbs. dist. marked 1/4 S. 19. B.T.

41.00 Dry run.

Course N. E.

enter boulders and dense growth of young aspen.

80.00 Set trachyte stone 18×12×10 ins. in mound of stone. for cor. of secs. 17, 18, 19 and 20.

Marked with 3 notches on the S. and 5 notches on the E. edges. Raised a mound of stone 2 ft base, 1 1/2 ft. high. W. of Cor. Pits impracticable

an aspen 8 ins. in diam bears N 8° W. 8 lbs dist. marked T. 29 S. R. 4 W. S. 18 B.T.

an aspen 6 ins. in diam. bears S 40° E. 20 lbs. dist. marked T. 29 S. R. 4 W. S. 20 B.T.

Subdivision of T. 29 S., R. 4 W. continued.

Chains.	
	an aspen 5 ins. in diam. bears N. 16° E. 12 lks dist. marked T. 29 S., R. 4 W. S. 17. B.T. No other suitable tree within proper limits. Land, mountainous. Soil, stony. 4th rate. Timber, pine and aspen. Mountainous land and heavily timbered 80.00 chs.
	N. 89° 58' E. on a random line. bet. secs. 17 and 20.
40.00	set temp 1/4 sec. cor.
80.04	Intersect N. and S. line. 5 lks N. of the cor. of secs. 16, 17, 20 and 21. Thence we run West on a true line bet. secs. 17 and 20. Ascending the E. side of mountain through scattering aspen and pine.
30.00	Top of steep ascent. 800 ft above cor. Leave timber, bears N. and S.
40.02	Set a trachyte stone 15 x 7 x 6 ins. 10 ins in the ground, for 1/4 sec. cor. marked 1/4 S. 17 on N. 20 on S. face. raised a mound of stone 2 ft. base, 1 1/2 ft. high. N. of cor. Pits impracticable.
43.50	Enter dense growth of young aspen and broken boulders. bear N. and S.
80.04	The cor. of secs. 17, 18, 19 and 20. Land, mountainous. Soil, stony. 4th rate

Subdivision of T. 29 S., R. 4 W. continued.

Chains.	
	Timber, heavy aspen and pine. Mountainous land and heavily timbered 80.04 chs.
	West on a random line bet. secs. 18 and 19.
40.00	set temp. 1/4 sec. cor.
78.30	Intersect West bedy. of T. heretofore describ at the cor. of secs. 13, 18, 19 and 24. Thence We run East on a true line bet. secs. 18 and 19. Ascending west slope of mountain
33.50	Top of Tushar mountains. and main devide bears N. 25° E. and S. 25° W. 10,000 ft above sea level. descend East side of mountain
38.00	Enter heavy pine and aspen timber, bears N. and S.
38.30	Set a trachyte stone 15 x 7 x 6 ins. 10 ins. in the ground, for 1/4 sec. cor, marked 1/4 S. 18 on N. 19 on S. faces. From which a Pine 18 ins. in diam bears S. 85° E. 7 lks dist. marked 1/4 S. 19. B.T. a pine 18 ins. in diam. bears N. 86° W. 5 lks. dist. marked 1/4 S. 18 B.T.
47.00	Leave pine timber bears N. and S. enter dense growth of young aspen.
66.00	Broken ledges N & S through great boulders.
78.30	The cor. of secs. 17, 18, 19 and 20. 900 ft below top of mountain. Land, mountainous, Soil, stony 2nd and 4th rate

Subdivision of T. 29 S., R. 4 W. continued.

Chains.	
	Timber, Aspen and Pine. Mountainous land and heavily timbered 78.36 chs. August 22nd. At this cor. we set off 11°46' N. on decl. arc; and at 0h.3m.p.m. l. m. t., observe the sun on the meridian the resulting lat. is 38°17' N.
	N. 0°03' W. bet. secs. 17 and 18. Ascending along the East side of mountain, through boulders and young growth of aspen
40.00	Set a trachyte stone 16 x 10 x 5 ins. 11 ins. in the ground for 1/4 sec. cor. marked 1/4 S. 18 on W. 17 on E. faces. From which an aspen 3 ins. in diam. bears N. 10 E. 10 lks dist. marked 1/4 S. 17 B.T. an aspen 3 ins. in diam. bears W. 5 lks. dist. marked 1/4 S. 18. B.T.
55.00	Ledges bear N. W. and S. E.
80.00	Set a trachyte stone 16 x 10 x 5 ins. 11 ins. in the ground, for cor. of secs. 7, 8, 17 and 18. marked with 5 notches on the E. and 4 notches on the S. edges. From which an aspen 3 ins in diam. bears N 40° E. 15 lks dist. marked T. 29 S., R. 4 W. S. 8. B.T. an aspen 4 ins. in diam. bears S 45 E. 17 lks dist. marked T. 29 S., R. 4 W. S. 17 B.T. an aspen 3 ins in diam bears S. 50° W. 3 lks dist. marked T. 29 S., R. 4 W. S. 18. B.T.

Subdivision of T. 29 S., R. 4 W. continued.

Chains.	
	an aspen 3 ins. in diam. bears N. 60° W. 5 lks. dist. marked T. 29 S. R. 4 W. S. 7 B.T.
	Land mountainous
	Soil stony 4th rate.
	Timber aspen
	Mountainous land & dense undergrowth. 80.00 chs.
	East on a random line bet. secs. 8 and 17.
40.00	Set temp. 1/4 sec. cor.
80.17	Intersect N. and S. line at the cor. of secs. 8, 9, 16 and 17.
	Thence West on a true line bet. secs. 8 and 17,
	Ascending the East side of mountain over broken hills, through scattering aspen and pine.
25.00	Trachyte ledges, bear N. W. and S. E. descend
40.06	Set a trachyte stone 15 x 9 x 5 ins. 10 ins. in the ground for 1/4 sec. cor. Marked 1/4 S. 8 on N. 17 on S. faces. Raised a mound of stone 2 ft. base 1/2 ft. high N. of Cor.
	Pits impracticable.
60.00	N. fork of City Creek, 4 lks. wide pure water flows S. E. in Canon 100 ft. deep.
	Ascend into dense growth of aspen.
80.10	The cor. of secs. 7, 8, 17 and 18.
	Land mountainous
	Soil, stony 4th rate.
	Timber, aspen and pine.
	Mountainous land 80.12 chs.

Subdivision of T. 29 S., R. 4 W., continued.

Chains.	
	West over random line between secs. 7 and 18.
40.00	Set temp. 1/4 sec. cor.,
78.27	Intersect W. bdy. of T. 5 lks N. of the cor. of secs. 7, 12, 13 and 18, heretofore described. Thence N. run N. 89° 58' E. on a true line bet. secs. 7 and 18. Ascending the West side of mountain
100.00	Enter dense pine and aspen, bears N. and S.
38.27	Set a hachy. tim. 6 x 10 x 5 ins., 11 ins. in the ground, for 1/4 sec. cor. marked 1/4 S. 7 on N. 18 on S. faces. From which an aspen 3 ins. in diam. bears N. 7 lks dist. marked 1/4 S. 7, B. T. an aspen 4 ins. in diam. bears S. 5° E. 11 lks dist. marked 1/4 S. 18 B. T.
65.00	Top of Dutchman mountain 10,500 ft. above sea level. and divide. Bears N. 10° E. and S. 10° W. descend East side of mountain, dense timber.
67.00	Top of precipitous descent 1500 ft. above City Creek Canon. Set a pointing cor. for secs. 7, 8, 17 and 18. Marked W. C. on N. E. point, 4 notches on the E. and 4 notches on the S. edges, raised a mound of stone 2 ft. base, 1 1/2 ft. high W. of cor. Pits impracticable An aspen 14 ins in diam. bears S. 15° W. 12 lks dist. marked T. 29 S., R. 4 W., S. 18. W. C. B. T. no other suitable trees within limits Descend over broken ledges and

Subdivision of T. 29 S., R. 4 W. continued

Chains	
	Cliffs, bear N. and S.
78.27	The cor. of secs. 7, 8, 17 and 18.
	Land, mountainous.
	Soil, stony 4th rate
	Timber, pine and aspen.
	Mountainous land,
	78.27 chs.
	August 22nd
	August 23rd
	At 7 a.m., l.m.t., W.C. set off 38°18' N. on lat. arc. 11°31' N. on decl. arc. and determine a true meridian with the solar, at the cor. of secs. 7, 8, 17 and 18.
	Thence W.C. run N. 0°03' W. bet. secs. 7 and 8, ascend along the E. side of the mountain, through scattering aspen and pine.
20.00	Head of North fork of City Creek, E. about 16 chains.
40.00	Set a trachyte stone 15 x 10 x 5 ins. 10 ins. in the ground, for 1/4 sec. cor. marked 1/4 S. 7 on W. 8 on E. faces, raised a mound of stone 2 ft. base 1 1/2 ft. high W. of cor.
	Pits impracticable.
43.00	Top of Pushar Mountains and devid. 10,500 ft. above sea level.
	bears N. E. and S. W.
	Leave timber bears N. E. and S. W.
	descend N. W. slope of mountain
80.00	Set a trachyte stone 20 x 12 x 4 ins. 15 ins. earth mound of stone, for cor. of secs. 5, 6, 7 and 8. marked with 5 notches on the S. and E. edges raised a mound of stone 2 ft. base, 1 1/2 ft. high W. of cor.

Subdivision of T. 29 S., R. 4 W. continued.

Chains.	
	Pits impracticable.
	Land, mountainous.
	Soil, stony 3rd and 4th rate.
	Timber, pine and aspen.
	Mountainous land, 80.00 chs.
	East on a random line.
	bet. secs. 5 and 8.
40.00	set temp. 1/4 sec. cor.
80.00	Intersect N. and S. line at the cor. of secs. 4, 5, 8 and 9.
	Thence we run
	West on a true line bet. secs. 5 and 8.
	Ascending East side of mountain.
	through scattering aspen and pine.
40.00	set a trachyte stone 14×10×5 ins. 10 ins. in the ground for 1/4 sec. cor. marked 1/4 S. 5 on N. 8 on S. faces, raised a mound of stone 2 ft. base. 1 1/2 ft. high. N. of cor.
	Pits impracticable.
63.00	Top of Tushar Mountains and divide 10,500 ft. above sea level, bears N.E. and S.W.
	leave timber, bears N.E. and S.W.
	descend West side of mountain.
80.00	The cor. of secs. 5, 6, 7 and 8.
	Land, mountainous
	Soil, stony. 4th rate.
	Timber, pine and aspen
	Mountainous land, 80.00 chs.
	S. 89°58' W. on a random line.
	bet. secs. 6 and 7.
40.00	set temp. 1/4 sec. cor.
78.18	Intersect W. bdy of T. 5 lks. S. of the cor. of secs. 1, 6, 7 and 12. heretofore described

Subdivision of T. 29 S., R. 4 W. continued.

Chains	
	Thence we run E. on a true line bet. secs. 6 and 7. Ascend the West side of Mountain, through heavy pine and aspen timber
38.18	Set a trachyte stone 12×10×5 ins. 8 ins. in the ground. for 1/4 sec. cor. marked 1/4 S. 6 on N. 7 on S. faces. raised a mound of stone 2 ft. base, 1 1/2 ft. high. N. of Cor. Pits impracticable. A pine 10 ins. in diam. bears N. 15° E. 26 lks dist. marked 1/4 S. 6 B.T. A pine 4 ins in diam bears S. 10 lks dist, marked 1/4 S. 7 B.T.
49.00	Ridge, bears N. W. and S. E.
63.50	Ravine 100 ft deep. course N. W.
64.00	Leave timber, bears N and S.
78.18	The cor. of secs. 5, 6, 7 and 8. Land, Mountainous Soil, stony 4th rate. Timber pine and aspen. Mountainous land and heavily timbered 78.18 chs.
	August 23rd At this cor. we set off 11°26 N. on decl. arc: and at 0h 2 1/2 m. p.m. l. m. t., observe the sun on the meridian the resulting lat. is 38° 19' N
	N. 0°03' W. on a random line bet. secs. 5 and 6.

Subdivisions of T. 29 S., R. 4 W. concluded.

chains.	
40.00	Set temp. 1/4 sec. cor.
76.10	Intersect N. bdy. of T.
	4 chs. E. of the cor. of secs.
	31, 32 & 33 T. 28 S., R. 4 W.
	heretofore described.
	Set a trachyte 15 x 10 x 5 ins. 10 ins.
	in the ground for closing
	cor. of secs. 5 & 6.
	Marked C.C. on S. with 5 grooves
	on the E. and 1 groove on the N.
	faces, raised a mound of stone
	2 ft. base, 1½ ft. high S. of cor.
	Pits impracticable.
	Thence run
	S. 0°03' E. on a true line
	bet. secs. 5 & 6.
	Ascending along the West
	side of mountain, through
	scattering pine and aspen
	timber.
36.10	Set a trachyte 15 x 9 x 5 ins. 10 ins.
	in the ground, for 1/4 sec. cor.
	Marked 1/4 S. 6 on W. 5 on E. faces,
	raised a mound of stone 2 ft.
	base, 1½ ft. high W. of cor.
	Pits impracticable
76.10	The cor. of secs. 5, 6, 7 & 8.
	1500 ft. above closing cor.
	Land, mountainous
	soil, stony 4th rate.
	Timber, aspen & pine.
	mountainous
	land, 76.10 chs.

August 23rd 1900

Meanders, T. 29 S., R. 4 W.

Meanders of the Puffer Lake, East end; in sec. 6.

We commence at the meander cor. of fract. secs. 1 and 6 on the W. bdy. of Tp. and the North side of the lake, set by us.
August 5th 1900.
At this cor. at 7 h. 0 m. a. m., l. m. t.,
We set off 38°20' N. on lat. arc; 17°02' N. on decl. arc; and determine a true meridian with the solar.
Thence We run with meanders in sec. 6.
Over stony ground.
N. 75° E. 0.50 chs. Bank 9 ft. high.
N. 43°15' E. 7.50 chs.
N. 47° E. 6.50 chs.
N. 74° E. 9.00 chs. Spring branch 4 lks wide course S.W.
S. 61° E. 3.00 chs.
S. 52°30' W. 4.50 "
S. 10° E. 3.00 " at 2.75 chs creek 3 lks. wide flows N.W.
West 5.50 "
S. 37°30' W. 4.00 "
S. 25°45' W. 8.00 "
S. 44° W. 5.00 "
S. 37°15' W. 6.20 " Bank 10 ft. high, to meander cor. of
62.70 fractional secs. 1 and 6.
on W. bdy. of Tp. and South side of lake.
Land, nearly level,
Soil, stoney 4th rate.
No timber.

August 5th 1900.

General Description.

This township is entirely mountainous, the soil is stony throughout ranging from 2nd to 4th rates.

In the lower foot hills in the Eastern part of the township is a dense growth of sage brush, oak, and scattering cedar and pinion.

The Western part reaches to the top, (and devides) and over on to the Western slope of the Pushar Mountains.

In places the mountain is heavily timbered with aspen and pine. The elevation is from 6 to 10 thousand feet above sea level.

The township is well watered by City and Ten mile creeks, the water of which is used for irrigation purposes, in the township East.

In the early spring a light growth of grass covers the mountain, later it is burnt up for want of moisture.

The township is poor grazing and is totally unfit for agricultural purposes.

There are no settlers in this township.

There is no indications of mineral.

Hubert D. Page
Harry Erwin.
U.S. Deputy Surveyors.

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FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

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

....., 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 .....

.....

.....

..... 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 ....., 180

SEAL.

.....

.....

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FINAL OATH OF UNITED STATES DEPUTY SURVEY

I, _____, United States Deputy Surveyor, solemnly swear that, in pursuance of a contract received _____ United States Surveyor General for _____ bearing date of _____ day of _____, 189__, I have well, _____, and truly, in proper person, and in strict conformity with the instructions furnished by the United States General for _____, the Manual of Surveying Instructions, and the laws of United States, surveyed all those parts or portions of _____ of the _____ meridian, in the _____ of _____, which are represented in foregoing field notes as having been surveyed by me, and under my direction; and I do further swear that all the corners of said survey have been established and perpetuated in strict accordance the Manual of Surveying Instructions, and the special written instructions of the United States Surv 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 the penalty of perjury under the provisions of an Act of Congress approved August 8, 1846.

For final office [illegible] see book [illegible]

_____
United States Deputy Su.

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, June 3 1902, 189

The foregoing field notes of the survey of the subdivisions of Township 29 South Range 4 West of the S. L. Base & Meridian, Utah

executed by Hubert S Page and Harry Eu under ~~his~~ their contract No. 232, dated November 24, 1899, having b 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 Gene.

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

_____
United States Surveyor Gen.

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