Volume

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R0248

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PRELIMINARY OATHS OF ASSISTANTS.

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

....., *Chainman.*

....., *Chainman.*

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

SEAL

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

....., *Moundman.*

....., *Moundman.*

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

SEAL

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

....., *Axman.*

....., *Axman.*

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

SEAL

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

....., *Flagman.*

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

SEAL

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6—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 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 38, *Range* 16

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6—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 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 4 S, *Range* 3 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

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INDEX DIAGRAM.

Township 3 S, *Range* 4 W.

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31	32	33	34	35	36

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PRELIMINARY OATHS OF ASSISTANTS.

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

..... *Chainman.*

..... *Chainman.*

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

SEAL

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

..... *Moundman.*

..... *Moundman.*

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

SEAL

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

..... *Axman.*

..... *Axman.*

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

SEAL

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

..... *Flagman.*

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

SEAL

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Township 22 S, *Range* 2 1/2 W.

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Meanders Page

PRELIMINARY OATHS OF ASSISTANTS.

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

..... *Chainman.*

..... *Chainman.*

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

SEAL

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

..... *Moundman.*

..... *Moundman.*

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

SEAL

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

..... *Axman.*

..... *Axman.*

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

SEAL

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

..... *Flagman.*

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

SEAL

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Township 27 S, *Range* 3 W

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7 272	8	9 268	10 262	11 254	12 232
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PRELIMINARY OATHS OF ASSISTANTS.

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

....., *Chainman.*

....., *Chainman.*

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

SEAL

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

....., *Moundman.*

....., *Moundman.*

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

SEAL

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

....., *Axman.*

....., *Axman.*

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

SEAL

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

....., *Flagman.*

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

SEAL

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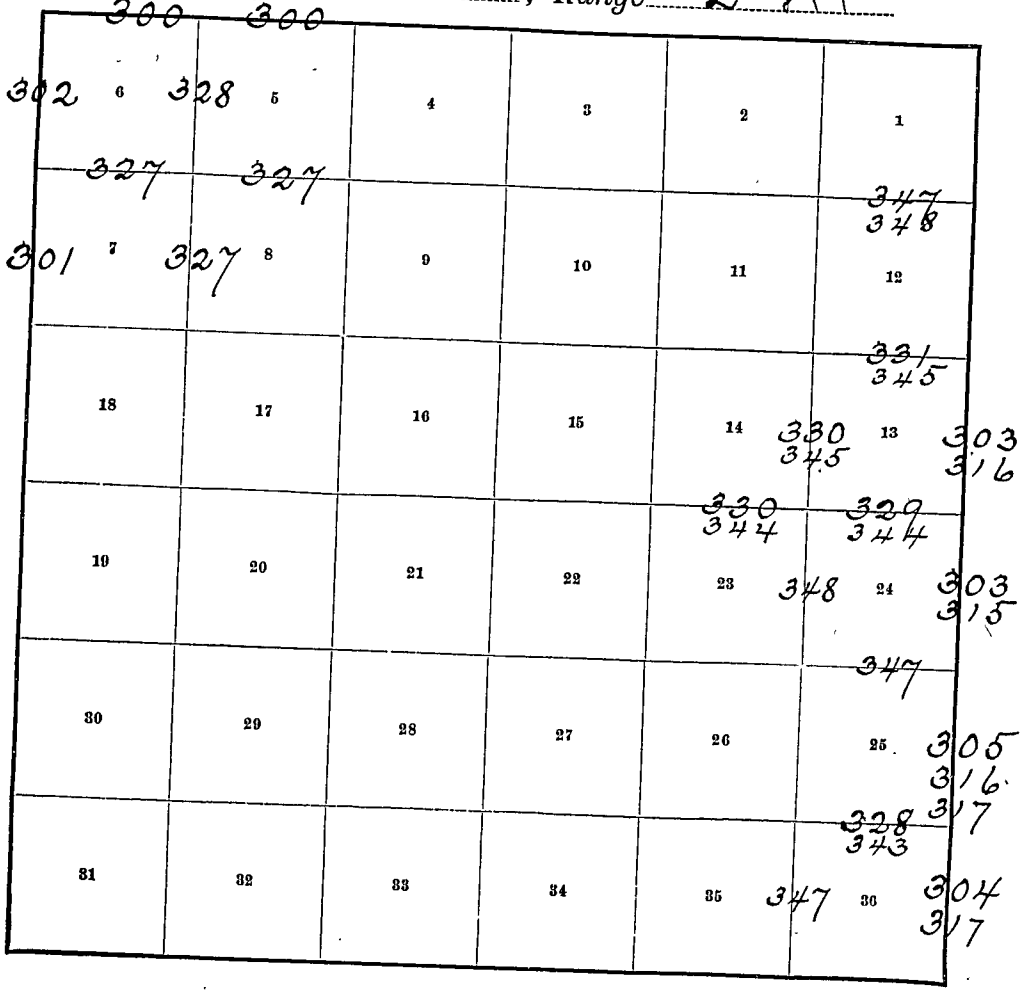
Township 23 S, *Range* 2 W.



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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

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PRELIMINARY OATHS OF ASSISTANTS.

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..... *Chainman.*

..... *Chainman.*

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

.....

SEAL

.....

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

..... *Moundman.*

..... *Moundman.*

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

.....

SEAL

.....

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

..... *Axman.*

..... *Axman.*

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

.....

SEAL

.....

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

..... *Flagman.*

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

.....

SEAL

.....

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Township 22 S., *Range* 2½ W.

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		~~453~~	~~452~~	~~445~~	~~439~~
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		~~451~~	~~450~~	~~444~~	~~437~~
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Meanders Page.....

PRELIMINARY OATHS OF ASSISTANTS.

WE, ... and .....
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..... *Chainman.*

..... *Chainman.*

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

SEAL

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

..... *Moundman.*

..... *Moundman.*

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

SEAL

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

..... *Axman.*

..... *Axman.*

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

SEAL

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

..... *Flagman.*

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

SEAL

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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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BOOK A-248

K.J.B.

FIELD NOTES

OF THE SURVEY OF THE

East Boundary of Township 2 North Range 1 East.

Of the Salt Lake Base and Meridian,

In the State of Utah.

AS SURVEYED BY

Andrew J. Stewart Jr., United States Deputy Surveyor,

Under his Contract No. 203, dated December 27th, 1895

Survey commenced October 13th, 1896

Survey completed October 18th, 1896

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BOOK A-248

NAMES AND DUTIES OF ASSISTANTS.

Scott C. Stewart, Chainman.

John R. Stewart, Chainman.

Bert Boshard, Chainman.

John U. Bucky. Chainman.

Thomas Barnard, Moundman and Axeman.

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6—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 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

East boundary of T. 2 S., R. 1 E., – Continued.

Chains. Note. – The land embraced in T. 2 S., R. 2 E., of the S. L. B. and M. is highly steep, rocky, and precipitous mountainous, and now agricultural in character, and is impracticable to survey.

In order to complete the survey of T. 2 S., 1 E., I proceed as follows:

commenced October 15, 1896 and ex- with a W. and L. E. Gurley light transit, No – the horizontal limb being provided with two opposite verniers reading to 30" of arc. (See Book A)

I begin at the cor. of secs. 1, 6, 7, and 12, on E. bdy. of T. 2 S., R. 1 E., which is a lime- stone, 6 x 12 x 7 ins., above ground, firmly set and marked and witnessed as described by the surveyor general.

40° 40' N. longitude 111° 47' W.

At this corner, at 5h 48m p. m., by my watch which is 0h 2m fast of l. m. t. I observe Polaris at eastern elongation accordance with instructions in the manual, and mark the point in the line thus determined by a tack in a wooden plug set in the ground 5.00 chs. north of my station.

October 15, 1896.

October 16: At 7h 30m a. m. l. m. t. I lay off the azimuth of Polaris 1° 38' to the west, and mark the True Meridian thus determined by a cross on a stone firmly set in the ground, west of the point es- tablished last night.

magnetic bearing of the true merid- ian is N. 16° 32' W., which reduced by the on page 100 of the Manual gives the mean mag. decl. 16° 29' E.

Thence I run

South, on a random line along East

Chains boundary of T. 2 S., R. 1 E. setting temp. ¼ sec. and sec. cors. at intervals of 40.00 chs., and at 240.55 chs., I fall 93 lks. E. of the cor. of secs. 19, 24, 25 and 30, which is a limestone, 4 X 12 X 10 ins. above ground, firmly set, and marked and witnessed as described by the surveyor general. The falling answers to a correction of 13' or 31 lks. E. per. mile, counting from the cor. of secs. 19, 24, 25 and 30; therefore I run N. 0°, 13' E., on a true line bet. secs. 19 and 24. Over mountainous land; descend through oak brush.

4.50 Bottom of hollow, 50 ft. below cor., course S. W.

17.50 Top of spur, 150 ft. above hollow, bears S. W. and N. E.; descend.

25.50 Bottom of hollow, 200 ft. below ridge, course S. 50° W.; ascend.

36.25 Top of ridge, 100 ft. above hollow, bears S. W. and N. E., descend.

40.00 Set a quartzite stone, 20 X 14 X 5 ins., 15 ins. in the ground, for ¼ sec. cor., marked ¼ on W. face; and raise a mound of stone 2½ ft. base, 3 ft. high, W. of cor. Pits impracticable.

This cor. is on W. slope of ridge.

80.00 Set a quartzite stone, 18 X 10 X 8 ins., 13 ins. in the ground, for cor. of secs. 13, 18, 19 and 24, marked with 3 notches on S., and 3 notches on N. edges; and raise a mound of stone, 2 ft. base, 2 ft. high, W. of cor. Pits impracticable.

Land, mountainous.

Soil, loam and gravelly; 1st and 2nd rate.

Good grass for grazing.

No timber.

Undergrowth, oak and maple.

Mountainous land, or land covered with dense undergrowth, 80.00 chs.

October 16, 1876.

East boundary of T. 2 S., R. 1 E. - Continued.

October 18: The sky is overcast, and solar observations are impossible.
N. 0° 13' E. on a true line bet. secs. 13 and 18.
Over mountainous land; descend.
oak brush and maple brush.
6.50 Bottom of hollow, 60 ft. below cor., course N. 10° W.; ascend.
25.00 Top of spur, 100 ft. above hollow, bears N. 80° W.
35.50 Cañon, 300 ft. below ridge, course N. 80° W.; ascend.
40.00 Set a quartzite stone, 16 x 10 x 6 ins., 9 ins. in the ground, for 1/4 sec. cor., marked 1/4 on W. face; and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor. Pits impracticable.
75.00 Top of high ridge, 600 ft. above canon, bears E. and W.; descend.
80.00 Set a quartzite stone, 18 x 9 x 5 ins., 12 ins. in the ground, for the cor. of secs. 7, 12, 13 and 18, marked with 4 notches on S., and 2 notches on N. edges; and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor. Pits impracticable.
Land, mountainous.
Soil, rock; 4th rate.
No timber;
Undergrowth, oak and maple.
Mountainous land, or land covered with dense undergrowth, 80.00 chs.

N. 0° 13' E., on a true line bet. secs. 7 and 12
ver mountainous land; descend
gh dense undergrowth of oak, maple, and mahogany.
10.00 Bottom of hollow, 100 ft. below cor., S. W.; ascend.
40.00 et a quartzite stone, 16 x 10 x 8 ins., 10 ins. in the ground, for 1/4 sec. cor., marked 1/4 on W. face; and raise a mound of , 2 ft. base, 2 ft. high, W. of cor.

East boundary of T. 2 S., R. 1 E. - Concluded.

Chains	
	Pits impracticable.
50.00	Top of spur, 400 ft. above hollow, bears E. and W.; descend.
80.55	The cor. of secs. 1, 6, 7, and 12.
	Land, mountainous.
	Soil, rocky; 4th rate.
	No timber.
	Undergrowth, oak, maple, and mahogany.
	Mountainous land, or land covered with dense undergrowth, 80.55 chs.
	October 18, 1896.

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

Andrew J. Stewart Jr.
W. 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

.....

.....

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.

.....

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, Mch 21st, 1899

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

executed by Andrew J. Stewart Jr.

under his contract No. 203, dated December 27th, 1895, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Jacob B. Blair

United States Surveyor General.

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

.....

United States Surveyor General.

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BOOK A-248

FIELD NOTES

OF THE SURVEY OF THE

Subdivision Lines of Township 2 South Range 1 East.

Of the Salt Lake Base and Meridian,

In the State of Utah.

AS SURVEYED BY

Andrew J. Stewart Jr., United States Deputy Surveyor,

Under his Contract No. 203, dated December 27, 1895

Survey commenced October 19th, 1896

Survey completed October 21st, 1896

6—181

Subs—high m. cho. bks. 2-00-59 1

NAMES AND DUTIES OF ASSISTANTS.

Scott A. Stewart, Chainman.

John R. Stewart, Chainman.

Bert Boshard, Chainman.

John U. Buchy, Chainman.

Thomas Barnard, Moundman & Axeman.

BOOK A-248

INDEX DIAGRAM.

Township 2 South, *Range* 1 East

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

Meanders Page

6—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 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. 2 S. R. 1 E. - of S. L. B. & M.

Chains. Survey commenced October 19, 1896, and executed with a W. and L. E. Gurley light mountain transit No. –, the horizontal limb being provided with two opposite verniers reading to 30" of arc. (See book B.)

I begin at the ¼ sec. cor. bet secs. 13 and 24, Tp. 2 S. R. 1 E., which is a boulder, 6 x 10 x 10 ins. above ground, firmly set and marked and witnessed as described by the surveyor general; latitude 40° 39' N. longitude 111° 47' W.

At this corner at 5h 23m a.m., l. m. t., I observe Polaris at western elongation in accordance with instructions in the manual, and mark the point in the line thus determined by a tack driven in a wooden plug set in the ground, 3.00 chs. north of my station.

October 19, 1896

October 20: At 7h 57m a.m., I lay off the azimuth of Polaris 1° 38' to the west, and mark the True Meridian thus by a cross on a stone firmly set in the ground, west of the point established last night.

The magnetic bearing of the true meridian is N 16° 33' W., which reduced by the table on page 100 of the Manual gives the mean mag. decl. 16° 30' E.

From this cor., I run East on a random line bet. secs. 13 and 24.

40.20 Intersect the E bdy. of T. 2 S. R. 1 E., 10 lks. S. of the cor. of secs. 13, 18, 19, and 24.

Thence I run S. 89° 32' W., on a true line bet. secs. 13 and 24.

Subdivision of T. 2 S., R. 1 E. — Continued.

Chains.	
	Over mountainous land; descend through dense oak and maple bush.
40.20	The ¼ sec. cor. bet. secs. 13 and 24.
	Land, mountainous.
	Soil, loam and gravelly; 1st and 2nd rate.
	Good grass for grazing.
	Undergrowth, dense oak and maple.
	No timber.
	Mountainous land, or land covered with dense undergrowth, 40.20 chs.
	From the cor. of secs. 13, 14, 23, and 24, which is a quartzite stone 4 x 10 x 6 ins. above ground, and marked and witnessed as described by the surveyor general, I run
	N. 0° 12' E., on a random line, bet. secs. 13 and 14.
40.00	Set temp. ¼ sec. cor.
80.14	Intersect E. and W. line, 48 lks. E. of the cor. of secs. 11, 12, 13, and 14, which is a boulder 6 x 10 x 9 ins. above ground, firmly set and marked and witnessed as described by the surveyor general.
	Thence I run
	S. 0° 9' E., on a true line bet. secs. 13 and 14.
	Along W. face of mountain through oak, sage, and maple bush.
40.07	Set a quartzite stone 16 x 10 x 9 ins., 11 ins. in the ground, for ¼ sec. cor., marked ¼ on W. face; and raise a mound of stone, 2 ft. base, 2 ft. high, W. of cor. Pits impracticable.
46.00	Top of spur 75 ft. above ¼ sec. cor., bears E. and W.; descend.
55.00	Bottom of hollow, 50 ft. below ridge, course N. 80° W.; ascend.
64.20	Top of spur, 160 ft. above hollow, bears

Chains.	
	N. 60° W. and S. 60° E.; descend.
- 80.14	The cor. of secs. 13, 14, 23, and 24.
	Land, mountainous.
	Soil, gravelly; 2nd rate.
	Undergrowth, oak, sage, and maple.
	Good grass for grazing.
	No timber.
	Mountainous, land or land covered with dense undergrowth, 80.14 chs.
	October 20, 1896.
	From the 1/4 sec. cor. bet. secs 12 and 13, which is a limestone, 3 x 10 x 9 ins., above ground, firmly set and marked and witnessed as described by the surveyor general, I run
	N. 89° 32' E., on a random line bet. secs. 12 and 13.
40.25	Intersect E. bdy. of T. 2 S. R. 1 E., 20 lks. N. of the cor. of secs. 7, 12, 13, and 18.
	Thence I run
	N. 89° 57' W., on a true line bet. secs. 12 and 13.
	Descend over mountain, through oak, maple, and mahogany undergrowth.
15.00	Bottom of head of hollow, 100 ft. below sec. cor., course N. 10° E.; ascend
35.00	Top of high ridge 150 ft. above hollow, bearing N. W. and S. E.; descend.
- 40.25	The 1/4 sec. cor. bet. secs. 12 and 13.
	Land, mountainous.
	Soil, gravelly; 2nd rate.
	Good grass for grazing.
	No timber.
	Undergrowth, oak, maple, and mahogany.
	Mountainous land, or land covered with dense undergrowth, 40.25 chs.
	Oct. 21, 1896.

Subdivision of T. 2 S., R. 1 E. - Concluded.

Note. - The lines bet. secs. 1 and 12, and 11 and 12, extend over high, steep, and impassible cliffs and ledges, and therefore cannot be run.

General Description.

In this township the land is principally mountain ridges and hollows, with some little bench land, the whole being situated on the western face of the mountain.

The soil ranges from gravel on the ridges to rich loam in the hollows, and as a whole would be classed as 2nd rate. It is covered with a luxuriant growth of nutritious grasses, and a dense undergrowth of oak, sage, mahogany, and maple. The land is now being used as a range, for grazing purposes, and is mainly valuable for such uses. There are a number of small springs in sec. 13 which furnish water for the cattle, horses, and sheep which graze the land. Some prospecting for silver has been done in secs. 13 and 14. I did not find Joseph R. Walker, D. E. 658, Miles Litchford, D. E. 2220, and Francis H. Price, D. E. 20, nor any trace of their improvements. There are indications of mineral in this Tp. in secs. 13 and 14, but not sufficient to return as mineral land.

Andrew J. Stewart Jr.
U. S. Dep. Surv.

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, 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, March 21st, 1897

The foregoing field notes of the survey of The Subdivisions of Township 2 South Range 1 East of the Salt Lake Basis & Meridian Utah.

.....

.....

.....

.....

executed by Andrew J. Stewart Jr. under his contract No. 203, dated December 24th, 1895, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Jacob B. Blair

United States Surveyor General.

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

.....

United States Surveyor General.

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BOOK A-248

FIELD NOTES

OF THE SURVEY OF

The Fractional East and South Boundaries

of

Township 3 South Range 1 East.

Of the Salt Lake Base and Meridian,

In the State of Utah.

AS SURVEYED BY

Andrew J. Stewart Jr., U. S. Deputy Surveyor,

Under his Contract No. 203, dated December 27th 1895.

Survey commenced October 22th, 1896.

Survey completed October 28th, 1896.

(12503—2,000.)

East Bdry. high m. chs. lks. 5-45-18 ✓

South " high 3-00-46 ✓

Contingent E.B. 35-00 ✓

Names and Duties of Assistants.

Scott P. Stewart, Chainman.

John R. Stewart, Chainman.

Bert Bochard, Chainman.

John U. Buchy, Chainman.

Thomas Barnard Moundman and Axman.

BOOK A-248

INDEX DIAGRAM.

Township 3 South, *Range* 1 East.

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

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Preliminary Oaths of Assistants.

WE, ...

.....

.....

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

.....

.....

.....

.....

.....*, Chainman.*

.....*, Chainman.*

.....*, Chainman.*

.....*, Chainman.*

Subscribed and sworn to before me this .....
day of ....., 18 .

.....

.....

WE, ...

.....

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

.....

.....

.....

.....

Subscribed and sworn to before me this .....
day of....., 18 .

.....*, Axeman.*

.....*, Axeman.*

.....

.....

6—161

East bdy of T. 3 S., R. 1 E.—(Northern Portion.)

Chains

Survey commenced October 22, 1896, and executed with a W. and S. E. Gurley light mountain transit No—, the horizontal limb being provided with two opposite verniers reading to 30" of arc. I begin at the ¼ sec. cor. on the E. bdy. of sec. 12, which is a granite stone, 5" x 10 x 6 ins. above ground, firmly set and marked and witnessed as described by the surveyor general, Lat. 40° 35' N., long. 111° 47' W.

At this cor., at 5h 11m a.m., local mean time, I observe Polaris at western elongation in accordance with instructions in the Manual, and mark the line thus determined by a tack driven in a wooden plug set in the ground, 5.00 chs. N. of my station.

Oct. 22, 1896.

October 23: At 7h 39m a.m., l.m.t., I lay off the azimuth of Polaris 1° 38' to the west, and mark the True Meridian thus determined by a cross on a stone firmly set in the ground, west of the point established last night.

The magnetic bearing of the true meridian is N. 16° 33' W., which reduced by the table on page 100 of the Manual gives the mean mag. decl. 16° 30' E.

Thence I run North on a retracement line bet. secs. 7 and 12.

Cont. 20.00 The cor. to 10 acre lot, which is a granite stone, 5" x 11 x 8 ins. above ground, and marked with x on top.

Thence North, on a true line.

Ascend mountain, through oak and maple brush.

20.00 Set a granite stone, 16 x 8 x 6 ins., 12 ins. in the ground, for the cor. of secs. 1, 6, 7, and 12, marked with 5 notches on S. and 1 notch on N. edges;

East bdy. of T. 3 S., R. 1 E. (Northern Portion) Continued.

Chains	
	and raise a mound of stone, 3 ft. base, 3 ft. high W. of cor. Pits impracticable. Land mountainous. Soil, gravelly and rocky; 2nd and 4th rate. Undergrowth, oak and maple. No timber. Mountainous land, or land covered with dense undergrowth, 20.00 chs.
	North bet. secs. 1 and 6. Ascend mountain, through oak brush.
6.25	Drag road on top of ridge 500 ft. above Little Cottonwood Cañon, bears E. and W.; descend.
20.50	Bottom of cañon 100 ft. below ridge, Course W.; ascend.
34.00	Top of ridge, 100 ft. above cañon, bears S. 60° W. and N. 60° E.; descend.
40.00	Set a granite stone, 16 x 8 x 6 ins., 12 ins. in the ground, for ¼ sec. cor., marked ¼ on W. face, and raise a mound of stone, 2 ft. base, 2 ft. high W. of cor. Pits impracticable. This cor. is on N. slope of ridge, about 25 lks. from top.
55.00	Creek 2 lks. wide, 2 ins. deep in bottom of cañon, 200 ft. below ¼ sec. cor., Course N. 75° W.; ascend.
63.00	Spur 100 ft. above canon, bears E. and W.; descend.
70.50	Bottom of cañon, 200 ft. below ridge, course S. 85° W.; ascend.
80.43	Intersect at the cor. of Tps. 2 and 3 S., Rs. 1 and 2 E., which is a limestone, 8 x 9 x 7 ins. above ground, firmly set, and marked and witnessed as described by the surveyor general. Land mountainous. Soil, loam and gravelly; 2nd and 3rd rate. Good grass for grazing. No timber; undergrowth oak. Mountainous land, or land covered with dense undergrowth, 80.43 chs. Oct. 23, 1896.

East and South bdys of T. 3 S., R. 1 E.

Chains	
	October 24: At 8h 10m a.m., l.m.t., I set off 40° 34' on the lat. arc; 11° 56' S. on the decl. arc; and determine a true meridian with the solar, at the ¼ sec. cor. on the E. bdy of sec. 12.
	Thence I run South, on a retracement line bet. secs. 7 and 12, from ¼ sec. cor.
13.00	The cor. of 16 acre lots, which is a granite stone, 5 x 9 x 8 ins. above ground, and marked with a + on top, from this cor., I run South, on a random line, along the E. bdy. of T. 3 S., R. 1 E., and at 25.00 chs. set temp. cor. of secs. 7, 12, 13, and 18, thence I continue random line South, setting ¼ sec. and sec. cors. at intervals of 40.00 chs.; and at 345.00 chs. set temp. corner of Tps. 3 and 4 S., Rs. 1 and 2 E.
	Oct. 24, 1896.
	Oct. 26: The sky is overcast and solar observations are impossible. From the temp. cor. of Tps. 3 and 4 S., Rs. 1 and 2 E., established Oct. 24, I run West, on a random line, along the S. bdy. of T. 3 S., R. 1 E., setting temp. ¼ sec. and sec. cors. at intervals of 40.00 chs.; and at 240.46 chs. I fall 25 lks. S. of the cor. of secs. 3, 4, 33 and 34, which is a granite stone 6 x 12 x 5 ins. above ground, firmly set and marked and dressed as described by the surveyor general.
	I abandon the random line, and run East, on a true line, from the cor. of secs. 3, 4, 33, and 34, bet. secs 3 and 34. Ascend over mountain, through sage brush, oak, and maple.
4.00	Begin step ascent, bears N. and S.
15.00	Top of spur 300 ft. above sec. cor., bears S. W. and N. E.; descend.
38.85	Bottom of Cherry Cañon, 30 ft. below ridge,

South bdy. of T. 3 S., R. 1 E. - Continued.

Chains.	
	course S. 70° W. Enter oak and maple brush.
40.46	Set a granite stone, 20 x 12 x 4 ins., 15 ins. in the ground for ¼ sec. cor., marked ¼ on N. face; from which A maple, 4 ins. diam., bears N. 78° W. 60 lks. dist., marked ¼ S., B. T. A maple, 4 ins. diam., bears S. 25° W. 15 lks. dist., marked ¼ S., B. T.
58.00	Top of spur 25 ft. above cañon, bears N. E. and S. W.; descend.
80.46	Set a granite stone, 30 x 12 x 8 ins. 24 ins. in the ground, for cor. of secs. 2, 3, 34 and 35, marked with 4 notches on W. and 2 notches on E. edges; from which A maple, 3 ins. diam., bears S. 50° W. 30 lks. dist., marked T. 4 S. R. 1 E., S. 3, B. T.; and raise a mound of stone 3 ft. base, 3 ft. high, W. of cor. Pits impracticable. Land mountainous. Soil, gravelly; 3rd rate. Good grass for grazing. Undergrowth, sage, oak and maple. Mountainous land, or land covered with dense undergrowth. 80.46 chs. Oct. 26, 1896.

October 27: At 8h a.m. l.m.t., I set off 40°30' on the lat. arc; 13° 3' S. on the decl. arc; and determine a true meridian, at the cor. of secs. 2, 3, 34, and 35. Thence I run

	East, on a true line bet. secs. 2 and 35. Descend mountain, through oak and maple brush.
5.50	Bottom of left hand fork of David James Cañon, 40 ft. below ridge, course S. 80° W.; ascend.
15.00	Top of spur, 45 ft. above cañon, bears S. 70° W. and N. 70° E.; descend.
16.00	Head of hollow, 10 ft. below ridge, course S. W.
18.00	A granite boulder 20 x 20 x 20 ft. on line.
20.00	Enter mahogany undergrowth bears N. and S.
26.50	A Granite reef, 20 ft. high, on top of ridge bears S. 70° W. and N. 70° E.; descend.
40.00	Set a granite stone, 20 x 12 x 6 ins., 15 ins. in the ground, for ¼ sec. cor., marked ¼ on N. face; from which A mahogany, 3 ins. diam., bears N. 70° W.

South bdy. of T. 3 S., R. 1 E. – Continued.

Chains.	
	100 lks. dist., marked ¼ S., B. T.
	A mahogany, 6 ins. diam., bears S. 73° W. 85 lks. dist., marked ¼ S., B. T.
47.50	Top of spur, 60 ft. above ¼ cor., bears S. W. and N. E.; descend.
49.50	Swale, 20 ft. below spur, course S. 70° W.
52.00	Top of spur, 30 ft. above swale, bears N. E. and S. W.; descend.
80.00	Set a quartzite stone, 24 x 12 x 10 ins. 18 ins. in the ground, for cor. of secs. 1, 2, 35, and 36, marked with 5 notches on W. and 1 notch on E. edges; and raise a mound of stone, 2½ ft. base, 2 ft. high, W. of cor. Pits impracticable.
	Land, mountainous.
	Soil, loam and gravel; 2nd rate.
	Good grass for grazing.
	Undergrowth, oak, maple, and mahogany. No timber.
	Mountainous land, or land covered with dense undergrowth 80.00 chs.

	East, on a true line bet. secs 1 and 36. Descend, along S. slope of mountain, through oak brush.
2.50	Bottom of hollow, 20 ft. below cor. course S.; ascend.
6.50	Top of spur, 10 ft. above hollow, bears N. and S.
18.20	Corner creek, 3 lks. wide, 4 ins. deep, in hollow, course S.; ascend.
22.50	Top of water shed bet. Salt Lake and Utah Valleys, bears S. W., and N. E.; descend.
40.00	Set a granite stone, 22 x 20 x 8 ins. 16 ins. in the ground, for ¼ sec. cor., marked ¼ on N. face; and raise a mound of stone, 3 ft. base, 3 ft. high, N. of cor. Pits impracticable.
	A house on Alpine Creek bears S. 10° E.
	A reservoir above Lehi City, bears S. 21° W.
55.20	Alpine creek, 5 lks wide, 3 ins.

South bdy. of T. 3 S., R. 1 E. – Concluded.

Chains	
	deep, rapid current, rocky bottom, cold water, course S. 20° E.
56.00	Top of ridge, 10 ft. above creek, bears S. 10° E.; descend.
58.30	Another branch of Alpine Creek, 15 lks. wide, 3 ins. deep, rapid current, rocky bottom, course S.
70.00	Top of granite boulder, 30 ft. high, 100 lks. long, on top of ridge, bears N. 3 E.; descend.
79.50	Spring branch, 2 lks. wide, 2 ins. deep, in hollow, course S.; ascend.
80.00	Intersect random E. bdy. of T. 3 S., R. 1 E., 25 lks. N. of the temp. cor. of Tps. 3 and 4 S. Rs. 1 and 2 E.

Set a granite stone, 24 x 12 x 8 ins., 18 ins. in the ground, for the cor. of Tps. 3 and 4 S., Rs. 1 and 2 E., marked with 6 notches on N., 6 notches on S., 6 notches on E., and 6 notches on W. edges; 3 S. on N. E., 2 E. on S. E., 4 S. on S. W., and 1 E. on N. W. faces; from which

A balsam, 4 ins. diam., bears N. 66° E. 98 lks. dist., marked T. 3 S., R. 2 E., S. 31, B. T.
An aspen, 3 ins. diam., bears S. 47° E. 100 lks. dist., marked T. 4 S., R. 2 E., S. 6, B. T.
A balsam, 6 ins. diam., bears N. 38° W. 95 lks. dist., marked T. 3 S., R. 1 E., S. 36, B. T.
A stationary boulder, 12 x 6 x 5 ft., bears S. 30° W., 25 lks. dist. I mark with (x) B O
A house in Alpine Cañon bears S. 8° W.

Land mountainous.
Soil, gravelly and rocky; 3rd and 4th rate.
Good grass for grazing.
Undergrowth, oak and mahogany.
No timber.
Mountainous land, or land covered with dense undergrowth 80.00 chs.

October 27, 1896.

Chains	October 28: At 9 h. 2 m. a. m. l. m. t., I set off 40° 30' on the lat. arc; 13° 25' S. on the decl. arc; and determine a true meridian with the solar, at the cor. of Tps. 3 and 4 S., Rs. 1 and 2 E., established heretofore.	15
	Thence I run	
	North on a true line bet. secs. 31 and 36.	
	Ascend over steep mountain.	
37.00	Top of high divide ridge, 400 ft. above Tp. cor., bears N. 80° E. and S. 80° W.; descend.	
37.50	Enter pine timber bears E. and W.	
40.00	Falls on a boulder 4 x 3 x 3 ft. above ground, I cut a (x) at exact cor. point, for 1/4 sec. cor. and 1/4 on W. face; from which	
	A pine, 6 ins. diam., bears N. 50° E., 41 lks. dist., marked 1/4 S., B. T.	
	A pine 8 ins. diam., bears S. 70° W. 40 lks. dist., marked 1/4 S., B. T.	
43.00	Bottom of Bear canon, 80 ft. below ridge, course W.; ascend.	
69.25	Top of divide ridge bet. Bear and left hand fork of Bear canon; 100 ft. above canon, bears E. and W.; descend.	
74.00	Bottom of canon, 90 ft. below ridge, course W.; ascend.	
80.00	Set a granite stone, 14 x 8 x 6 ins., 9 ins in the ground, for cor. of secs. 25, 30, 31 and 36, marked 5 notches on N. and 1 notch on S. edge; from which	
	A pine, 8 ins. diam., bears N. 30° W. 10 lks. dist., marked T. 3. S. R. 1 E., S. 25, B. T.; and raise a mound of stone 1½ ft. base 1½ ft. high W. of cor. Pits impracticable.	
	Land, mountainous.	
	Soil, gravel and rocky; 2nd and 4th rate.	
	Good grass for grazing.	
	Timber, pine and fir.	
	Mountainous, or heavily timbered land, 80.00 chs.	
	North on a true line bet. secs. 25 and 30	
	Ascend over mountain	
2.00	Top of ridge bet. Bear and Little Willow canons	

East bdy. of T. 3 S., R. 1 E. - Continued.

Chains	
	bears N. 80° E. and S. 80° W.; descend abruptly, through pine and fir timber.
20.00	Bottom Little Willow Canon, 200 ft. below ridge, course W.; ascend.
30.00	Leave pine timber.
33.00	Top of granite ridge 180 ft. above cañon, bears N. 82° W. and S. 82° E.; descend
36.00	Enter pine and fir timber.
40.00	Set a granite stone, 16 x 10 x 5 ins., 11 ins. in the ground, for 1/4 sec. cor., marked 1/4 on W. face; from which A pine 10 ins. diam., bears S. 82° W., 82 lks. dist., marked 1/4 S., B. T. A pine, 7 ins. diam., bears E., 20 lks. dist., marked 1/4 S., B. T.
46.00	Bottom of Big Willow Canon, 130 ft. below ridge course S. 85° W.; ascend.
60.00	Leave timber, bears E. and W.
71.00	Top of ridge, 200 ft. above cañon, bears E. and W.; descend through pine and aspen timber.
78.00	Bottom Rocky Mouth Canon, 100 ft. below ridge, course N. 75° W.; ascend.
80.00	Falls on a granite boulder, 4 x 3 1/2 x 3 ft., above ground, I cut a (x) at the exact cor. point, for cor. of secs. 19, 24, 25, and 30, marked with 4 notches on N. and 2 notches on S. edges; from which An aspen, 3 ins. diam., bears N. 35° E., 13 lks. dist., marked T. 3 S., R. 2 E. S. 19, B. T. An aspen, 5 ins. diam., bears S. 20° E., 13 lks. dist., marked T. 3 S., R. 2 E., S. 30, B. T. An aspen, 6 ins. diam., bears S. 31° W., 14 lks. dist., marked T. 3 S., R. 1 E., S. 25, B. T. An aspen, 4 ins. diam., bears N. 48° W., 16 lks. dist., marked T. 3 S., R. 1 E., S. 24, B. T. Land mountainous. Timber pine. Soil loam and rocky; 1st and 4th rate.

East bdy. of T. 3 S., R. 1 E. — Continued:

Chains.	Mountainous or heavily timbered land, 80.00 chs.
	North, on a true line bet. secs. 19 and 24.
	Over mountainous land, ascend through aspen timber.
8.00	Leave aspen timber; enter scattering pine timber.
13.00	A pine, 24 ins. diam., on line, I mark with 2 notches on N. and S. sides.
	Top of long ridge, 140 ft. above sec. cor., bears E. and W.; descend along W. face of mountain.
22.00	Leave scattering pine timber; enter aspen timber.
40.00	Set a granite stone, 18 x 14 x 6 ins., 12 ins. in the ground, for ¼ sec. cor., marked ¼ on W. face; from which
	An aspen, 7 ins. diam., bears N. 23° E., 30 lks. dist., marked ¼ S., B. T.
	An aspen, 9 ins. diam., bears S. 38° W., 47 lks. dist., marked ¼ S., B. T.
63.00	Bottom of wide cañon, 130 ft. below ridge, course N. 70° W.; ascend.
66.00	Leave aspen timber; enter scattering pines.
76.00	Top of divide ridge bet. two cañons, 125 ft. above cañon; bears E. and W.; descend.
80.00	Set a granite stone, 16 x 10 x 8 ins., 11 ins. in the ground, for cor. of secs. 13, 18, 19, and 24, marked with 3 notches on N., and 3 notches on S. edges; from which
	A pine, 3½ ins. diam., bears N. 68° E., 20 lks. dist., marked T. 3 S., R. 2 E., S. 18, B. T.
	A pine, 5 ins. diam., bears S. 30° E., 15 lks. dist., marked T. 3 S., R. 2 E., S. 19, B. T.
	A pine, 4 ins. diam., bears S. 22° W., 17 lks. dist., marked T. 3 S., R. 1 E., S. 24, B. T.
	A pine, 4 ins. diam., bears N. 42° W., 15 lks. dist., marked T. 3 S., R. 1 E., S. 13, B. T.
	Land, mountainous.
	Soil, loam and gravelly; 1st and 2nd rate.
	Good grass for grazing.

Chains	
	Timber, pine and aspen. Mountainous, or heavily timbered land, 80.00 chs.
	North, on a true line bet. secs. 13 and 18. Descend over mountain through pine and aspen timber.
13.00	Bottom of hollow, 100 ft. below sec. cor., course N. 87° W.; ascend.
15.00	Leave timber.
19.50	Top of spur, 30 ft. above hollow, bears E. and W.; descend, enter aspen timber.
28.00	Bottom of hollow, 50 ft. below ridge, course W.; ascend.
30.00	Leave aspen timber.
34.00	Top of divide ridge, 120 ft. above hollow, bears E. and W.; descend abruptly.
40.00	Set a granite stone, 24 x 10 x 6 ins., 16 ins. in the ground, for ¼ sec. cor., marked ¼ on W. face; from which A pine, 12 ins. diam., bears S. 10° W., 15 lks. dist., marked ¼ S., B. T. A pine, 12 ins. diam., bears E., 12 lks. dist., marked ¼ S., B. T.
60.00	Bottom of cañon, 500 ft. below ridge, course W.; ascend abruptly.
80.00	Set a granite stone, 20 x 13 x 8 ins., 15 ins. in the ground for cor. of secs. 7, 12, 13, and 18, marked with 2 notches on N., and 4 notches on S. edges; and raise a mound of stone, 3 ft. base 3 ft. high, W. of cor. Pits impracticable. Land, mountainous. Soil, loam and gravel; 1st and 3rd rate. Good grass for grazing. Timber, pine, and aspen. Mountainous or heavily timbered land. 80.00 chs.

Chains	
	North, on a true line bet. secs. 7 and 12.
3.00	Top of divide ridge bet. Little Cottonwood Canyon, and small cañon on S., bears N. 75° W. and S. 75° E.; descend.
24.75	The cor. of 10 acre lot at a point 15.00 chs. S. of the ¼ sec. cor. bet. secs. 7 and 12.
	Land, mountainous.
	Soil, loam and gravelly; 1st and 3rd rate.
	Good grass for grazing.
	No timber.
	Mountainous land 24.75 chs.
	October 28 1896

For general description see subdivision notes of this township.

Andrew J. Stewart Jr.
U. S. Dep. Surv.

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List of Names.

A list of the names of the individuals employed by Andrew J. Stewart Jr., U. S. Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the survey of the boundary lines of T. 2 S., R. 4 W.; T. 3 S., R. 3 W.; T. 3 S., R. 4 W.; T. 4 S., R. 3 W.; T. 4 S., R. 4 W.; T. 2 S., R. 2 E.; T. 3 S., R. 1 E. of the Salt Lake Base and Meridian, in the State of Utah, showing the respective capacities in which they acted:

Bert Boshard, Chainman.

Final Oath of Assistants.

We hereby certify that we assisted Andrew J. Stewart Jr., U. S. Deputy Surveyor, in surveying all those parts or portions of the boundary lines of T. 2 S., R. 4 W.; T. 3 S. R. 3 W.; T. 3 S., R. 4 W.; T. 4 S., R. 3 W.; T. 4 S., R. 4 W.; T. 2 S., R. 2 E.; T. 3 S., R. 1 E. of the Salt Lake Base and Meridian, in the State of Utah, as are represented in the foregoing field notes as having been surveyed by him and under his direction; and that said survey has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the corner monuments established, according to the instructions furnished by the U. S. Surveyor General for Utah

Bert Boshard, Chainman

Subscribed and sworn to before me this 10th day of April, 1897

SEAL

6—151

John E. Booth
Notary Public
for Utah Co. Utah

My commission expires
January 15, 1901

Final Oath of U. S. Deputy Surveyor.

I, ..., U. S. Deputy Surveyor, do solemnly swear that, in pursuance of instructions received from ....., U. S. Surveyor General for ....., bearing date of the .....day of ....., 18 , I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the U. S. Surveyor General for ....., the surveying manual, and the laws of the United States, surveyed all those parts or portions of .....

.....

.....

.....

.....

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

.....

U. S. Deputy Surveyor.

Subscribed and sworn to before me this .....
day of ....., 18 .

SEAL

.....

.....

Approval.

Office of the U. S. Surveyor General,

....., *18* .

The foregoing field notes of the survey of.....

.....

.....executed by

.....

under his Contract No....., dated....., 18 , having been critically examined, the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

.....

U. S. Surveyor General.

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

.....

U. S. Surveyor General.

List of Names.

A list of the names of the individuals employed by Andrew J. Stewart Jr., U. S. Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the survey of the boundary lines of T. 2 S., R. 3 W.; T. 2 S., R. 4 W.; T. 3 S., R. 3 W.; T. 3 S., R. 4 W.; T. 4 S., R. 3 W.; T. 4 S., R. 4 W.; T. 2 S., R. 2 E.; T. 3 S., R. 1 E., of the Salt Lake Base and

Meridian, in the State of Utah, showing the respective capacities in which they acted:

Scott P. Stewart, Chainman.
John R. Stewart, Chainman.
John U. Buchy, Chainman
~~Bert Boshard, Chainman~~
Thomas Barnard, Axeman

Final Oath of Assistants:

We hereby certify that we assisted Andrew J. Stewart Jr., U. S. Deputy Surveyor, in surveying all those parts or portions of the boundary lines of T. 2 S., R. 3 W.; T. 2 S., R. 4 W.; T. 3 S., R. 3 W.; T. 3 S., R. 4 W.; T. 4 S., R. 4 W.; T. 2 S., R. 2 E.; T. 3 S., R. 1 E., of the Salt Lake Base and

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

Scott P. Stewart Chainman
John R. Stewart Chainman
Thomas Barnard Mountain Axeman
John U. Buchy Chainman
~~Bert Boshard~~ Chainman

Subscribed and sworn to before me this 10 day of April, 1897.

SEAL

John E. Booth
Notary Public

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Final Oath of U. S. Deputy Surveyor.

I, Andrew J. Stewart Jr., U. S. Deputy Surveyor, do solemnly swear that, in pursuance of instructions received from Geo. W. Snow, U. S. Surveyor General for Utah, bearing date of the 27th day of December, 1895, I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the U. S. Surveyor General for Utah, the surveying manual, and the laws of the United States, surveyed all those parts or portions of the boundary lines of T. 2 S., R. 3 W.; T. 2 S., R. 4 W.; T. 3 S., R. 3 W.; T. 3 S., R. 4 W.; T. 4 S. R. 3 W.; T. 4 S., R 4 W T. 2 S., R. 2 E.; T. 3 S., R. 1 E. of the Salt Lake Base and Meridian, in the State of Utah, as are represented in the foregoing field notes as having been surveyed by me, and under my directions; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the surveying manual, printed instructions, the special written instructions of the U. S. Surveyor General for Utah and in the specific manner described in the field notes, and that the foregoing are the true field notes of such survey; and should any fraud be detected, I will suffer the penalty of perjury under the provisions of an Act of Congress approved August 8, 1846.

Andrew J. Stewart Jr.
U. S. Deputy Surveyor.

Subscribed and sworn to before me this _____ day of _____, 18 .

SEAL

Approval.

Office of the U. S. Surveyor General,
Salt Lake City, Utah, March 21st, 1899

The foregoing field notes of the survey of the fractional South & East boundaries of Township 3 South Range 1 East of the Salt Lake Base & Meridian, Utah

executed by Andrew J. Stewart Jr. under his Contract No. 243, dated December 27th, 1895, having been critically examined, the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Jacob B. Blair
U. S. Surveyor General.

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

_____
U. S. Surveyor General.

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(4—679.)

BOOK A-248

36.3.B.

FIELD NOTES

OF THE SURVEY OF

The subdivision lines of

Township 3 South Range 1 East.

Of the Salt Lake Base and Meridian,

In the State of Utah.

AS SURVEYED BY

Andrew J. Stewart Jr., U. S. Deputy Surveyor,

Under his Contract No. 203, dated December 27th 1895.

Survey commenced October 29th, 1896.

Survey completed November 3rd, 1896.

(12503—2,000.)

Subs- high m- cho- eko- 13- 40- 69

Names and Duties of Assistants.

Scott P. Stewart, Chainman.

John R. Stewart, Chainman.

Beat Bishard, Chainman.

John U. Bucky, Chainman.

Thomas Barnard Moundman 2nd Axeman.

BOOK A-248

INDEX DIAGRAM.

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

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31	32	33	34	35	36

Meanders Page .....

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Preliminary Oaths of Assistants.

WE, ...

.....

.....

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

.....

.....

.....

.....

....., *Chainman.*

....., *Chainman.*

....., *Chainman.*

....., *Chainman.*

Subscribed and sworn to before me this .....
day of ....., 18 .

.....

.....

WE, ...

.....

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

.....

.....

.....

.....

Subscribed and sworn to before me this .....
day of....., 18 .

....., *Axeman.*

....., *Axeman.*

.....

.....

Subdivision of T. 2 S., R. 1 E. of S. L. B. & M.

Chains.	
	Survey commenced October, 29, 1896, and executed with a Ward & E. Gurley light mountain transit No — with solar attachment, the horizontal limb being provided with two opposite verniers reading to 30" of arc. At the cor. of secs. 1, 2, 35, and 36, on S. bdy. of T. 3 S., R. 1 E., in Latitude 40° 30' N., longitude 111° 48' W., at 4h 11m a. m., by my watch, which is 2m fast of local mean time, I observe Polaris at western elongation, in accordance with the manual of instructions, and mark the point in the line thus determined, by a tack driven in a wooden plug set in the ground 5.00 north of my station. Oct. 29, 1896
	October 30: At 8h 3m p. m., I turn off the azimuth of Polaris 1° 38' to the west, and mark the True Meridian thus determined by cutting a mark on a stone firmly set in the ground west of the point established last night. The magnetic bearing of the true meridian is N 16° 33' W., which reduced by the table on page 100 of the manual, gives the mean mag. decl. 16° 30' E. Thence I run N. 0° 1' W., bet. secs. 35 and 36. Ascend over mountain through oak brush.
30.50	Top of divide mountain bet. Salt Lake and Utah Valleys 300 ft. above sec. cor.; bears S. 80° W. and N. 80° E.; descend through pines.
38.00	Leave pine timber.
40.00	Set a quartzite stone, 14 x 9 x 8 ins., 9 ins.

Subdivision of T. 3 S., R. 1 E. - Continued.

Chains	
	in the ground, for 1/4 sec. cor., marked 1/4 on W. face; and raise a mound of stone, 2½ ft. base, 2 ft. high, W. of cor. Pits impracticable.
42.00	Bottom of Bear canon, 70 ft. below ridge, course S. 82° W.; ascend.
48.00	Top of ridge, 60 ft. above cañon, bears N. 83° E., and S. 83° W.; descend.
60.50	Branch of Bear cañon, 200 ft. below ridge, course N. 70° W.; ascend.
77.50	Top of long divide ridge, 230 ft. above cañon, bears N. 87° W. and S. 87° E.; descend.
80.00	Set a granite stone, 16 x 10 x 8 ins., 11 ins. in the ground, for cor. of secs. 25, 26, 35, and 36, marked with one notch on S. and 1 notch on E. edge; from which A pine, 6 ins. diam., bears N. 30° W., 10 lks. dist., marked T. 3 S., R. 1 E., S. 26, B. T.; and raise a mound of stone, 1½ ft. base, 1½ ft. high, W. of cor. Pits impracticable. Land, mountainous. Soil, gravel and rocky; 2nd and 3rd rate. Good grass for grazing. Timber, pine; undergrowth, oak. Mountainous, or heavily timbered land, or land covered with dense undergrowth, 80.00 chs.
	East, on a random line bet. secs. 25 and 36.
40.00	Set temp. 1/4 sec. cor.
80.03	Intersect N. and S. line, 48 lks. N. of the cor. of secs. 25, 30, 31, and 36. Thence I run N. 89° 39' W., on a true line bet. secs. 25 and 36. Descend over mountain, along S. slope of ridge.
9.00	Top of ridge, bears S. 80° W. and N. 80° E.; with pine timber; thence along N. face of mountain.
40.01½	Set a granite stone, 20 x 9 x 6 ins., 14 ins. in the ground, for 1/4 sec. cor., marked 1/4 on N. face; and raise a mound of stone 1½ ft. base, 1½ ft. high, N. of cor. Pits impracticable.
48.00	Bottom of cañon 130 ft. below ridge,

Subdivision of T. 2 S., R. 1 E. Continued.

Chains.	
	course N. 10° E.; ascend.
56.00	Top of spur of ridge, 200 ft. above cañon, bears N. and S.; descend.
63.00	Leave pine timber; bears N. and S.
73.00	Bottom of swale, 100 ft. below ridge, course N. 30° W.; ascend gradually.
— 80.03	The cor. of secs. 25, 26, 35, and 36.
	Land, mountainous.
	Soil, loam and rocky; 1st and 4th rate.
	Good grass for grazing.
	Timber, pine and fir.
	Mountainous, or heavily timbered land 80.03 chs.
	N. 0° 1' W., bet. secs. 25 and 26.
	Descend mountain through pine timber
14.00	Leave timber; enter dense oak brush.
34.50	Bottom of Little Willow Cañon, 400 ft. below sec. cor.; course W.; ascend.
39.00	Enter mahogany undergrowth.
40.00	Set a granite stone, 16 x 10 x 5 ins., 11 ins. in the ground, for ¼ sec. cor., marked ¼ on W. face; and raise a mound of stone, 2½ ft. base; 2 ft. high W. of cor. Pits impracticable.
58.00	Top of divide ridge bet. Big Willow, and Rocky Mouth Cañons 200 ft. above cañon, bears N. 80° W. and S. 80° E.; descend.
64.00	Bottom of Big Willow cañon, 200 ft below ridge; spring branch 4 lks. wide 6 ins. deep, gentle current, course N. 45° W.; ascend abruptly.
— 80.00	Set a granite stone, 16 x 10 x 8 ins., 11 ins. in the ground, for cor. of secs. 23, 24, 25, and 26, marked with 2 notches on S., and 1 notch on E. edges; and raise a mound of stone, 2½ ft. base, 2 ft high, W. of cor. Pits impracticable.
	Land, mountainous.
	Soil, loam and gravel; 1st and 3rd rate.
	Good grass for grazing.
	Undergrowth, oak and mahogany.

Subdivision of T. 3 S., R. 1 E. - Continued.

Chains	
	Timber pine. Mountainous, or heavily timbered land, or land covered with dense undergrowth, 80.00 chs. Oct. 30, 1896
	November 1: At 8 h 3 m a. m., l. m. t., I set off 40° 32' on the lat. arc; 14° 41' S. on the decl. arc; and determine a true meridian with the solar at the cor. of secs. 23, 24, 25, and 26. Thence I run S. 89° 39' E., on a random line bet. secs. 24 and 25
40.00	Set temp. 1/4 sec. cor.
79.60	Intersect N. and S. line, 20 lks. S. of the cor. of secs. 19, 24, 25, and 30. Thence I run N. 89° 48' W., on a true line bet. secs. 24 and 25 Descend over mountain, through pine and aspens.
6.00	Head of Rocky Mouth Cañon, course N. 80° W.
39.80	Set a granite stone, 19 X 10 X 6 ins., 14 ins. in the ground, for 1/4 sec. cor., marked 1/4 on N. face; from which An aspen, 8 ins. diam., bears S. 10° E. 16 lks. dist., marked 1/4 S., B. T. A pine, 10 ins. diam., bears N. 14° W., 10 lks. dist., marked 1/4 S., B. T.
45.00	Cross top of ridge; thence along S. slope.
58.00	Leave pine and aspen timber, bears N. E. and S. W.; enter oak brush
60.00	Drag road, on side of mountain, bears N. E. and S. W.; continue descent.
79.60	The cor. of secs. 23, 24, 25, and 26. Land, mountainous. Soil, loam and gravelly; 1st and 3rd rat. Good grass for grazing. Timber pine and aspen; undergrowth, oak. Mountainous, or heavily timbered land, or land covered with dense undergrowth 79.60 chs.

Chains	
	N. 0° 1' W., on a random line bet. secs. 23 and 24.
40.00	Set temp. ¼ sec. cor.
80.00	Intersect E. and W. line, 20 lks. W. of the cor. of secs. 13, 14, 23, and 24, which is a granite stone, 6 x 15 x 9 ins. above ground, and marked and witnessed as described by the surveyor general.
	Thence I run
	S. 0° 8' W., on a true line bet. secs. 23 and 24.
	Ascend over mountain, through dense oak and service-berry brush.
38.00	Top of ridge dividing two small canons, 170 ft. above sec. cor., bears W.; descend.
40.00	Set a granite stone, 18 x 9 x 7 ins., 12 ins. in the ground, for ¼ sec. cor., marked ¼ on W. face; and raise a mound of stone, 2½ ft. base, 2 ft. high, W. of cor. Pits impracticable.
60.00	Bottom of Rocky Mouth Cañon, 150 ft. below ridge, course N. 63° W.; ascend.
75.50	Top of divide ridge, 180 ft. above cañon, bears N. 60° W. and S. 80° E.; descend.
80.00	The cor. of secs. 23, 24, 25, and 26.
	Land, mountainous.
	Soil, loam and gravelly.
	Good grass for grazing.
	No timber; undergrowth, oak and service-berry.
	Mountainous land, or land covered with dense undergrowth 80.00 chs.
	Note.—This day at the noon hour the sky is overcast and Solar observations impossible
	S. 89° 48' E., on a random line bet. secs. 13 and 24.
40.00	Set temp. ¼ sec. cor.

Chains	
80.00	Intersect N. and S. line 15 lks. S. of the cor. of secs. 13, 18, 19, and 24, described on page 9, book Q. Thence I run N. 89° 54' W., on a true line bet. secs. 13, and 24. Descend over mountain, through young pines and oak brush.
14.00	Leave young pines; on N. slope of ridge.
20.00	Enter pine timber.
26.00	Leave pine timber.
40.00	Set a granite stone, 15 x 10 x 8 ins., 10 ins. in the ground, for ¼ sec. cor., marked ¼ on N. face; and raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor. Pits impracticable.
48.00	Bottom of cañon, 190 ft. below sec. cor. course N. 84° W.; continue descent.
80.00	The cor. of secs. 13, 14, 23, and 24. Land, mountainous. Soil, loam and gravelly; 2nd rate. Good grass for grazing. Timber, pine; undergrowth oak. Mountainous land or land covered with dense undergrowth 80.00 chs.
	From the cor. of secs. 11, 12, 13, and 14, which is a granite boulder 30 x 24 x 20 ins. above ground, marked and witnessed as described by the surveyor general, I run S. 89° 34' E., on a random line, bet. secs. 12 and 13.
40.00	Set temp. ¼ sec. cor.
80.00	Intersect N. and S. line, 15 lks. S. of the cor. of secs. 7, 12, 13, and 18. Thence I run

Subdivision of T. 3 S., R. 1 E.—Continued.

Chains.	
	West, on a true line bet. secs. 12 and 13.
	Descend over mountain, through dense oak brush.
40.00	Set a quartzite stone, 18 x 10 x 6 ins., 13 ins. in the ground, for ¼ sec. cor., marked with ¼ on N. face; and raise a mound of stone, 2½ ft. base, 2½ ft. high, N. of cor. Pits impracticable.
	This cor. is 20.0 ft. below sec. cor., on S. slope of hill.
80.00	The cor. of secs. 11, 12, 13 and 14.
	This cor. is 80 ft. below ¼ sec. cor. on small flat, about 150 lks. N. of a small reservoir.
	Land mountainous.
	Soil, loam, and stony; 1st. and 4th rate.
	Good grass for grazing.
	No timber.
	Undergrowth, oak.
	Mountainous land, or land covered with dense undergrowth 80.00 chs.

November 3. At 7h 30m a.m., l. m. t., I set off 140° 30' on the lat. arc; 15° 18' S on the decl. arc. and determine a true meridian with the solar at the cor. of secs. 2, 3, 34, and 35 heretofore described. Thence I run N. 0° 2' W. on a true line bet. secs. 34 and 35.

	Ascend over mountain, through dense oak brush.
40.00	Set a quartzite stone 16 x 10 x 9 ins., 12 ins. in the ground, for ¼ sec. cor., marked ¼ on W. face; and raise a mound of stone 2 ft. base, and 2 ft. high, W. of cor. Pits imp-

Subdivision of T. 3 S., R. 1 E. — Continued.

Chains [illegible] ticable.
[illegible] Top of [illegible] divide ridge, bears N. W. and S. 70° E.; descend.
[illegible] Bottom of Bear Cañon, 200 ft. below ridge, course N. 70° W.
Spring branch in cañon, 3 lks. wide 6 ins. deep, rapid current, course with cañon; ascend, through oak and mahogany.
[illegible] Set a granite stone, 16 x 6 x 6 ins., 12 ins. in the ground for cor. of secs. 26, 27, 35 and 36, marked with 1 notch on S., and 2 notches on E. edges; and raise a mound of stone 2½ ft. base, 2 ft. high W. of cor. Pits impracticable.
Land, mountainous.
Soil, loam and gravelly; 1st and 3rd rat.
Good grass for grazing.
No timber.
Undergrowth, oak and mahogany.
Mountainous land, or land covered with dense undergrowth.
[illegible] Nov. 3: At this cor. I set off 15° 26' N., on the [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] resulting [illegible] [illegible]

East, on a random line, bet. secs. 26 and 35.
[illegible] Set temp. ¼ sec. cor.
[illegible] The cor. of secs. 25, 26, 35, and 36, heretofore described.
[illegible] [illegible]
West, on a true line, bet. secs. 26 and 35.
Descend mountain through pine timber, along N. side of ridge.
[illegible] Leave pine timber, bears N. and S.
[illegible] Cross to S. side of ridge.
[illegible] Cross to N. side of ridge.
[illegible] Set a granite stone, 10 x 9 x 7 ins.

Subdivision of T. 3 S. R. 1 E. - Continued.

Chains	
	11 ins. in the ground, for ¼ sec. cor., marked ¼ on N. face, and raise a mound of stone, 2½ ft. base, 2 ft. high, N. of cor. Pits impracticable.
35.00	Cross to S. side of ridge; thence decend into cañon on S.
80.00	The cor. of secs. 26, 27, 34 and 35. Land, mountainous. Soil, loam and gravelly; 2nd rate. Good grass for grazing. Timber, pine. Mountainous, or heavily timbered land, 80.00 chs.
	N. 0° 2' W., on a random line, bet. secs. 26 and 27.
40.00	Set temp. ¼ sec. cor.
74.00	I find no trace of old cor.
80.00	I find a partially decayed post in old mound and pits, marked and witnessed as described by the surveyor general, as it has every appearance of being the original cor., to perpetuate the same I Set a granite stone, 16x12x4 ins., 11 ins. in the ground, for reestablished cor. of secs. 22, 23, 26, and 27, marked with 2 notches on S. and 2 notches on E. edges, and raise a mound of stone, 1½ ft. base, 1½ ft high, W., of cor. Thence I run S. 0° 2' E. on a true line bet. secs. 26 and 27. Over mountainous land, through oak brush.
1.00	Descend abruptly.
2.00	Foot of steep descent.
3.15	Wash 3 ft. deep 20 lks wide, course W.
6.80	Creek, 3 lks. wide 6 ins. deep, rapid current, rocky bottom course N.W. Thro

Subdivision of T. 3 S. R. 1 E. - Continued.

Chains. creek comes out of Little Willow Cañon
8.00 Commence steep ascent, bears N. E. and S. W.
36.00 Top of ridge 150 ft. above sec. cor., bears and slopes W.; descend.
40.00 Set a quartzite stone, 18X9X6 ins., 13 ins. in the ground, for ¼ sec. cor., marked ¼ on W. face; and raise a mound of stone 2½ ft. base 2 ft. high, W. of cor. Pits impracticable.
42.00 Swale, course W.; ascend.
51.50 Top of spur 50 ft. above swale, bears E. and W.; descend.
61.00 Bottom of hollow, 70 ft. below ridge, course W.; ascend.
68.00 Top of small ridge 40 ft. above hollow, bears E. and W.; descend.
71.50 Bottom of swale 20 ft. below ridge, course N. 74° W.; ascend.
79.60 Top of long divid ridge, 100 ft. above swale bears and slopes N. 70° W.; descend.
80.00 The cor. of secs. 26, 27, 34 and 35.
Land, mountainous.
Soil, loam and gravelly; 2nd and 3rd rate.
Good grass for grazing.
No timber.
Undergrowth, oak.
Mountainous land, or land covered with dense undergrowth, 80.00 chs.

West, on a random line bet secs. 27 and 34.
[illegible] Set temp. ¼ sec. cor.
[illegible] I find no trace of old cor.
[illegible].40 I find a decayed stake in old mound with pits, marked and witnessed as described by the surveyor general.
To perpetuate the cor. I set a granite stone, 25 7X7 ins., 18 ins. in the ground, for

Subdivision of T. 3 S., R. 1 E. — Continued.

	reestablished cor. of secs. 27, 28, 33, and 34, marked with 1 notch on S., and 3 notches on E. edges; dig pits, 18 x 18 x 12 ins., in each sec., 5½ ft. dist.; and raise a mound of earth, 3 ft. base, 2 ft. high, W. of cor.
	Thence I run
	East, on a true line bet. secs. 27 and 34.
	Over mountainous land; ascend
5.50	Foot of bench, ascend abruptly.
7.50	Drag road leading from Dredger to top of mountain.
8.50	Swale in bench, course N. W.; enter oak brush.
12.00	Begin steep ascent of 2nd bench.
26.00	Leave upper bench; descend abruptly.
30.75	A granite boulder 20 x 20 x 30 ft. high, 20 lks. S. of line.
40.20	Set a granite stone, 20 x 12 x 4 ins., 15 ins. in the ground, for ¼ sec. cor., marked ¼ on N. face; from which
	A mahogany 3 ins. diam., bears S. 60° W., 120 lks. dist., marked ¼ S. B. T.; and raise a mound of stone, 3 ft. base, 2½ ft. high, N. of cor. There are no other trees convenient to mark.
41.40	Top of rocky spur of ridge, 600 ft. above sec. cor.; beaks N. W. and S. E.; descend
42.50	Bottom of perpendicular cliff of granite stone, 60 ft. high.
49.50	Branch in Bear Cañon, 5 lks. wide 6 ins. deep, 200 ft. below ridge, course N. 65° W.; ascend steep slope, through oak and maple brush.
80.40	The cor. of secs. 26, 27, 34, and 35.
	Land, mountainous.
	Soil, loam and gravel, 2nd and 3rd rate.
	Good grass for grazing.
	No timber; undergrowth oak and maple.
	Mountainous land, or land covered with

Subdivision of T. 3 S., R. 1 E. - Continued.

Chains	
	dense undergrowth, 80.40 chs.
	From the cor. of secs. 3, 4, 33, and 34, on the S. bdy. of the Tp., I run N. 0° 2' W., on a random line, bet. secs. 33 and 34.
40.00	I set temp. 1/4 sec. cor.
73.00	I find no trace of old cor.
80.50	I intersect E. and W. line, 48 lks. W. of the cor. of secs. 27, 28, 33, and 34.
	Thence I run S. 0° 19' W., on a true line bet. secs. 33 and 34.
	Over mountainous land; ascend, through sage brush.
8.50	Begin steep ascent.
10.00	Top of steep ascent.
15.00	Begin steep ascent.
35.00	Top of steep ascent.
40.50	Set a granite stone 20 x 12 x 6 ins., 15 ins. in the ground, for 1/4 sec. cor., marked 1/4 on W. face; and raise a mound of stone, 2 1/2 ft. base, 2 ft. high, W. of cor. Pits impracticable.
47.00	Bottom of steep little hollow, course W.
80.50	The cor. of secs. 3, 4, 33, and 34, which is a granite stone, 9 x 10 x 5 ins. above ground, and marked and witnessed and described by the surveyor general.
	Land mountainous.
	Soil, sandy-loam 1st rate.
	Good grass for grazing.
	Undergrowth, sage.
	No timber.
	Mountainous land; or land covered with dense undergrowth, 80.50 chs.

Subdivision of T. 3 S., R. 1 E. – Continued.

Chains.	
	From the cor. of secs. 23, 24, 25, and 26, described on page 4, I run West, on a random line bet. secs 23 and 26.
40.00	Set temp. 1/4 sec. cor.
80.20	Intersect N. and S. line, 18 lks. S. of the cor. of secs. 22, 23, 26, and 27, described heretofore.
	Thence I run S. 89° 52' E., on a true line, bet. secs. 23 and 26.
	Ascend over mountain, through oak.
6.00	Find no trace of old cor.
36.00	Top of divid. ridge, 250 ft. above sec. cor., bears N. W. and S. E.; descend
40.10	Set a granite stone, 20 x 8 x 6 ins., 14 ins. in the ground, for 1/4 sec. cor., marked 1/4 on N. face; from which
	A maple, 4 ins. diam., bears N., 14 lks. dist., marked 1/4 S., B. T.
	A maple 3 1/2 ins. diam., bears S. 10° E., 18 lks. dist., marked 1/4 S. B. T.
41.00	Head of swale, course N. 10° E.; ascend.
42.20	Small ridge, bears N. and S.; descend.
56.00	Bottom of Rocky Mouth Cañon, 170 ft. below ridge; creek in cañon 6 lks. wide, 5 ins. deep, rapid current, rocky bottom, course with cañon N. 70° W.
	Ascend abrupt slope.
80.20	The cor. of secs. 23, 24, 25, and 26,
	Land, mountainous.
	Soil, loam, gravelly and stony; 2nd and 3rd rates.
	Good grass for grazing.
	No timber.
	Undergrowth, oak.
	Mountainous land, or land covered with dense undergrowth. 80.20 chs.

Subdivision of T. 3 S., R. 1 E. - Continued.

Chains	
	From the cor of secs. 1, 6, 7, and 12, on E. bdy. of Tp., described heretofore
	I run
	West, on a random line, bet. secs. 1 and 12.
39.96	Intersect 1/4 sec. cor. 6 lks. S. of cor., which is a stationary granite stone, 18 x 15 x 9 ins. above ground, and marked and witnessed as described by the surveyor general.
	Thence I run
	S. 89° 55' E., on a true line bet. secs. 1 and 12.
	Ascend along ridge, through oak and sage brush.
39.96	The cor. of secs. 1, 6, 7, and 12,
	This cor. is 125 ft. above 1/4 sec. cor. on the S. slope of mountain.
	Land, mountainous.
	Soil, gravelly; 3rd rate.
	Good grass for grazing.
	Undergrowth, oak and sage.
	No timber.
	Mountainous land, or land covered with dense undergrowth, 39.96 chs.
	November 3, 1886

General Description.

This township contains mostly mountain ridges and hollows, with some little bench and cañon land, and the soil ranges from gravel and rocks, to rich, black, and sandy loam. The soil in the bottoms of the cañons is rich, black, and sandy loam, and would be classed as 1st rate; that on the ridges is gravelly and stony,

Subdivision of T. 3 S., R. 1 E. - Concluded.

and would be classed as 2nd and 3rd rate; and the whole is covered with rich, and nutritous grasses, and a dense undergrowth of oak, sage, mahogany, and maple.

Pine and aspen timber is found in small groves principally in the Southern and Easterh portions.

The land has been used mainly as a range, for cattle, horses, and sheep, and there is ample water in the small springs in the township for such purposes. There is a small reservoir in the N. W. corner of sec. 13 which supplies the farmers living near Draper.

I did not find Hyrum S. Despin D. E. No 5, William Thomson Sr. D. E. No. 832, and Thomas G. Sabrum D. E. No. 850, nor any trace of their improvements. Nephy P. Steward D. E. No 567 is now occupied by John S. Steward, D.E. No. 2012, who has about 20 acres cultivated in the N. E ¼ of N. E ¼ of sec 33. I did not find John Starwood, nor his improvements. His D. E. No is 2573-4. I did not find Fredk. Crowton Jr. D.E. No 2654, nor his improvements. Saritz A. Smith D. E. No. 3979 has about 20 acres cultivated in the S. W ¼ of S. W ¼ of sec. 27. Hannah C. Jensen, D.E. No. 4321, has about 13 acres under cultivation in S. W. ¼ of S. W. ¼ of sec. 23. Joshua P. Terry, D. E. No 3984 has about 30 acres under cultivation in the W ½ of S. E. ¼ of sec. 33.

There are no indications of mineral in this Tp.

Andrew J. Stewart Jr.
U. S. Dep. Sur.

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PAGE

List of Names.

A list of the names of the individuals employed by Andrew J. Stewart Jr., U. S. Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the survey of the subdivision lines of T. 2 S., R. 4 W.; T. 3 S., R. 3 W.; T. 2 S., R. 4 W.; T. 4 S., R. 3 W.; T. 4 S., R. 4 W.; T. 2 S., R. 1 E.; T. 3 S., R. 1 E. of the Salt Lake Base and Meridian, in the State of Utah, showing the respective capacities in which they acted:

Bert Boshard Chainman

Final Oath of Assistants:

We hereby certify that we assisted Andrew J. Stewart Jr., U. S. Deputy Surveyor, in surveying all those parts or portions of the subdivision lines of T. 2 S., R. 4 W.; T. 3 S., R. 3 W.; T. 3 S., R. 4 W.; T. 4 S., R. 3 W.; T. 4 S., R. 4 W.; T. 2 S., R. 1 E.; T. 3 S., R. 1 E., of the Salt Lake Base and Meridian, in the State of Utah, as are represented in the foregoing field notes as having been surveyed by him and under his direction; and that said survey has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the corner monuments established, according to the instructions furnished by the U. S. Surveyor General for Utahs

Bert Boshard Chainman

Subscribed and sworn to before me this 10th day of April, 1897.

SEAL

John E. Booth
Notary Public
for Utah Co. Utah.

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My commission expires,
January 13 1901

Final Oath of U. S. Deputy Surveyor.

I, ..., U. S. Deputy Surveyor, d
solemnly swear that, in pursuance of instructions received from ....., U. S
Surveyor General for ....., bearing date of the .....day o
....., 18 , I have well, faithfully, and truly, in my own proper person, and in stric
conformity with the instructions furnished by the U. S. Surveyor General for ....., th
surveying manual, and the laws of the United States, surveyed all those parts or portions of .....
.....
.....
.....
.....
.....Meridian, in the....., as are represented in the fore
going field notes as having been surveyed by me, and under my directions; and I do further solemnly swear that al
the corners of said survey have been established and perpetuated in strict accordance with the surveying manua
printed instructions, the special written instructions of the U. S. Surveyor General for.....
and in the specific manner described in the field notes, and that the foregoing are the true field notes of such survey
and should any fraud be detected, I will suffer the penalty of perjury under the provisions of an Act of Congres
approved August 8, 1846.

.....

U. S. Deputy Surveyor.

Subscribed and sworn to before me this .....
day of ....., 18 .

SEAL

.....

.....

Approval.

Office of the U. S. Surveyor General,

....., *18* .

The foregoing field notes of the survey of.....
.....
.....
.....
.....
.....
.....
..... executed b
.....
under his Contract No....., dated....., 18 , having been criticall
examined, the necessary corrections and explanations made, the said field notes, and the surveys they describe, a
hereby approved.

.....

U. S. Surveyor General.

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

.....

U. S. Surveyor General.

List of Names.

A list of the names of the individuals employed by Andrew J. Stewart Jr., U. S. Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the survey of the subdivision lines of T. 2 S., R. 3 W.; T. 2 S., R. 2 W.; T. 1 S., R. 3 W.; T. 2 S., R. 4 W.; T. 3 S., R. 3 W.; T. 3 S., R. 4 W.; T. 4 S., R. 3 W.; T. 4 S., R. 4 W.; T. 2 S., R. 1 E.; T. 3 S., R. 1 E., of the Salt Lake Base and Meridian, in the State of Utah, showing the respective capacities in which they acted:

Scott P. Stewart Chainman.
John R. Stewart Chainman.
Thomas Barnard, Axeman.
John U. Buchy Chainman.
~~Bert Bashard Chainman.~~

Final Oath of Assistants:

We hereby certify that we assisted Andrew J. Stewart Jr., U. S. Deputy Surveyor, in surveying all those parts or portions of the subdivision lines of T. 2 S., R. 3 W.; T. 2 S., R. 2 W.; T. 1 S., R. 3 W.; T. 2 S., R. 4 W.; T. 3 S., R. 3 W.; T. 3 S., R. 4 W.; T. 4 S., R. 3 W.; T. 4 S., R. 4 W.; T. 2 S., R. 1 E.; T. 3 S., R. 1 E., of the Salt Lake Base and Meridian, in the State of Utah, as are represented in the foregoing field notes as having been surveyed by him and under his direction; and that said survey has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the corner monuments established, according to the instructions furnished by the U. S. Surveyor General for Utah

Scott P. Stewart chainman
John R. Stewart chainman
Thomas Barnard axeman
John U. Buchy Chainman
~~Bert Bashard~~

Subscribed and sworn to before me this 10 day of April, 1897

SEAL

John E. Boggs
Notary Public

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Final Oath of U. S. Deputy Surveyor.

I, Andrew J. Stewart Jr., U. S. Deputy Surveyor, d
solemnly swear that, in pursuance of instructions received from Geo. W. Shaw, U.
Surveyor General for Utah, bearing date of the 27th day
December, 1895; I have well, faithfully, and truly, in my own proper person, and in stri
conformity with the instructions furnished by the U. S. Surveyor General for Utah, u
surveying manual, and the laws of the United States, surveyed all those parts or portions of the subdivi
sion lines of T. 1 S., R. 3 W.; T. 2 S., R. 2 W.; T. 1 S., R. 2
T. 2 S., R. 4 W.; T. 3 S., R. 3 W.; T. 3 S., R. 4 W.; T. 4 S., R. 2 W
T. 4 S., R. 4 W.; T. 2 S., R. 1 E.; T. 3 S., R. 1 E. of the Salt
Lake Base and
Meridian, in the State of Utah, as are represented in the for
going field notes as having been surveyed by me, and under my directions; and I do further solemnly swear that
the corners of said survey have been established and perpetuated in strict accordance with the surveying manu
printed instructions, the special written instructions of the U. S. Surveyor General for Utah
and in the specific manner described in the field notes, and that the foregoing are the true field notes of such surve
and should any fraud be detected, I will suffer the penalty of perjury under the provisions of an Act of Congr
approved August 8, 1846.

Andrew J. Stewart Jr.
U. S. Deputy Surveyor

Subscribed and sworn to before me this
day of , 18 .

SEAL

Approval.

Office of the U. S. Surveyor General,
Salt Lake City, Utah March 21st, 1899

The foregoing field notes of the survey of the subdivision lines of
Townships 3 South Range 1 East of the Salt Lake Base
& Meridian Utah

executed
Andrew J. Stewart Jr.
under his Contract No. 203, dated December 27th, 1895, having been critic
examined, the necessary corrections and explanations made, the said field notes, and the surveys they describe,
hereby approved.

Jacob B. Blair
U. S. Surveyor Genera

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

U. S. Surveyor Genera

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BOOK A-248

FIELD NOTES

OF THE SURVEY OF THE

South and West Boundaries of Township 4 South Range 3 West.

Of the Salt Lake Base and Meridian,

In the State of Utah

AS SURVEYED BY

Andrew J. Stewart Jr., United States Deputy Surveyor,

Under his Contract No. 203 J, dated December 27th, 1895

Survey commenced August 13th, 1896

Survey completed August 15th, 1896

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	M — [illegible]	
South Boundary Light	2 — 13 — 35	
West — Bdry — "	6 — 00 — 70	8.14.05
Closing J James PLC	10.44	

BOOK A-248

NAMES AND DUTIES OF ASSISTANTS.

Scott A. Stewart, Chainman.

John R. Stewart, Chainman.

Bert Boshard, Chainman.

John U. Buchy, Chainman.

Thomas Barnard, Moundman and Axeman.

Andy J. Stewart, Moundman and Axeman.

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96A

K. Contract #203 A-248

T 45 R. 3 W.

South Bdry-
high
M. Chs - lks -
66 - 20 ✓
1 - 27 - 15 ✓

2 - 13 35
✓

West. Bdry-
high
M. Chs lks -
1 - 00 - 70 ✓
1 - 00 - 00 ✓
1 - 00 - 00 ✓
1 - 00 - 00 ✓
1 - 00 - 00 ✓
1 - 00 - 00 ✓

6 - 00 - 70
✓

J James Clay 10.36
" 08
10.44

BOOK A-248

INDEX DIAGRAM.

Township 4 South, *Range* 3 West.

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12 31 2	32 1	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 assi
measuring, to the best of our skill and ability, and in accordance with instructions given us, in the surv

_____

_____, *Chain*

_____, *Chain*

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

_____

SEAL

_____

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

_____

_____, *Mound*

_____, *Mound*

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

_____

SEAL

_____

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

_____

_____, *Ax*

_____, *Ax*

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

_____

SEAL

_____

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

_____, *Flag*

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

_____

SEAL

_____

South boundary of T. 4 S., R. 3 W.

Chains	
	Aug. 13. At 8 h. 0 min. a. m., l. m. t., I set off 40° 25' on the lat. arc, 14° 25' N. on the decl. arc; and determine a true meridian with the solar, at the point for the closing corner, where the S. bdy. of this Tp. intersects the boundary of the Fort Crittenden Military Reservation, being on the S. bdy. of sec. 32, 13.80 chs. W. from the S. E. cor. of said sec., in lat. 40° 25' N., long 112° 12' W. × This point is 30 lks. E. of the witness cor., which is a quartzite stone, 10 x 9 x 3 ins. above ground, firmly set, and marked, and witnessed as described by the surveyor general.
	Thence I run
	West, on a true line bet. secs. 5 and 32, ascend.
0.75	Top of divide mountain bet. Utah and Tooele Valleys, about 4000 ft. above the valleys, bears N. 47° W. and S. 47° E.; descend W. slope of mountain.
12.65	Head of spur, 150 ft. below ridge, course S. 10° W.
22.00	Top of long spur of ridge, 200 ft. below divide ridge, bears S. W. and N. E.
26.20	Set a blue limestone, 18 x 10 x 4 ins., 13 ins. in the ground, for 1/4 sec. cor. marked 1/4 on N. face, and raise a mound of stone, 3 ft. base, 2 ft. high, N. of cor. Pits impracticable.
30.30	Enter aspen timber, bears N. and S.
66.20	Set a quartzite stone, 22 x 12 x 3 ins., 15 ins. in the ground, for cor. of secs. 5, 6, 31, and 32, marked with 5 notches on E., and 1 notch on W. edges; from which
	An aspen, 5 ins. diam., bears N. 70° E., 40 lks. dist. marked

Chains	
	T. 4 S., R. 3 W., S. 32, B. T., An aspen 7 ins. in diam., bears S. 32° E. 21 lks. dist., marked T. 5 S. R. 3 W. S. 5, B. T. An aspen, 4 ins. diam., bears S. 49° W., 60 lks. dist., marked T. 5 S., R. 3 W., S. 6 B. T. An aspen, 3 ins. diam., bears N. 40° W. 22 lks. dist., marked T. 4 S., R. 3 W., S. 31, B. T. Sand mountainous. Soil, loam and gravelly, 1st and 2nd rate. Timber, aspen. Mountainous, or heavily timbered land. 66.20 chs.
	West bet. secs. 6 and 31; descend.
5.20	Bottom of Ophir Cañon, about 1000 ft. below divide ridge, course S. 20° W.; ascend.
14.50	Leave aspen timber.
19.50	Top of ridge, 200 ft. above cañon, bears S. 23° E.; descend.
27.00	Bottom of hollow, 250 below ridge, course S. 13° E.; ascend.
35.00	Enter aspen timber.
40.00	Top of ridge, bears S. 20° W. and N. 23° E., 200 ft. above hollow. Set a sandstone, 15 x 7 x 5 ins., 11 ins. in the ground, for 1/4 sec. cor., marked 1/4 on N. face; from which An aspen, 7 ins. diam., bears N. 10° W. 70 lks. dist., marked 1/4 S. B. T. An aspen, 4 ins. diam., bears S. 33° W., 34 lks. dist., marked 1/4 S. B. T.
45.00	Leave aspen timber, bears N. and S.
52.00	Enter aspen timber.

South boundary of T. 4 S. R. 3 W., Continued.

Chains.	
55.40	Spring drain, in bottom of cañon, 150 ft. below ridge, course S. 20° W.
62.25	Top of ridge 150 ft. above hollow, bears S. 10° W.
65.00	Enter aspen timber.
67.00	Bottom of hollow, 120 ft. below ridge, course S. 45° E.; ascend
70.00	Enter aspen timber.
77.00	Top of ridge, 300 ft. above hollow slopes and bears S. E.
81.65	Bottom of swale, 100 ft. below ridge, course S. 55° E.; ascend mountain.
90.00	Enter aspen timber, bears N. and S.
94.50	Leave aspen timber, bears N. 10° E, and S. 15° E.
100.87	Divide ridge bet. Soldier and Ophir Canons, bears N. E. and S. W.

Note.— Knowing that the N. E. cor. of this Tp. is in reality 11.51 chs. W. of the S. E. cor., by the connection of the old survey out to the bdy. of the Fort Crittenden Military Reservation, and as the West mile of the N. bdy. is 98.00 chs. in length the N.W. cor. of the Tp. appears to be 5 miles 109.51 chs. W. of the S. E. cor. Therefore I deem it necessary in order to make proper connection with the N.W. cor. to make the West mile of the S. bdy. 98.00 chs. (N. bdy.) plus 62 lks. (convergency) plus 11.51 chs., and at 110.13 chs. Set temp. cor. of Tps. 4 and 5 S. Rs. 3 and 4 W.

107.15 The permanent cor. was set at 107.15 chs., for description of same see notes of W. bdy.

Sand, mountainous.

Soil, loam and gravelly; 2nd rate.

Good grass for grazing.

Timber, aspen.

Mountainous or heavily timbered land 107.15 chs.

West boundary of T. 4 S., R. 3 W. — Continued

Chains

Aug. 13, At the temp. cor. of Tps. 4 and 5 S., Rs. 3 and 4 W.
At this corner, at 9 h 54½ m p.m., by my watch, is 0 m. 3 s. fast of local mean time, I observe Polaris at eastern elongation, in accordance with the instructions in the manual and mark the point in the line thus determined by a tack driven in a wooden plug set in the ground 5.00 chs. N. of my station.

Aug 13, 1896.

Aug 14: At 7 h. 2 m. a m., I lay off the azimuth of Polaris 1° 38.5' to the W., and mark the True Meridian thus determined by a cross on a stone firmly set in the ground, W. of the point established last night.
The magnetic bearing of the true meridian is N. 16° 36' W., which reduced by the table on page 100 of the Manual, gives the mean mag. decl. 16° 30' E.
From the temp. Tp. cor. I run
North on a random line, along the W. bdy. of Tp. 4 S. R. 3 W., setting temp. ¼ sec. and sec. cors. at intervals of 40.00 chs.; and at 480.70 chs. intersect the S. bdy. of T. 3 S. R. 4 W., 2.98 chs W. of the cor. of Tps. 3 and 4 S., Rs. 3 W.
The falling is within the prescribed limits therefore I abandon the random line, destroying all cors. thereon, Thence I run
South, on a true line bet. secs. 1 and 6.
Descend mountain through oak and service-berry undergrowth.

West boundary of T. 4 S., R. 3 W. — Continued.

Chains	
1.60	Closing cor. for Tps. 3 and 4 S. R. 4 W.
2.90	Spring branch, 10 lks. wide, 11 ins. deep, rapid current, rocky bottom, in bottom of Middle Cañon, course N. 65° W.
3.30	Wagon road in Middle Cañon, bears with cañon
6.20	Commence steep ascent of mountain.
10.50	Enter pine timber, with dense under-growth of bark and wild currant.
40.70	Set a sandstone, 18 x 10 x 5 ins., 12 ins. in the ground, for 1/4 sec. cor., marked 1/4 on W. face; from which A pine, 5 ins. diam., bears N. 2° E. 15 lks. dist., marked 1/4 S., B. T. A pine, 8 ins. diam., bears S. 74° W., 17 lks. dist., marked 1/4 S., B. T.
43.00	Leave timber, bears N. E. and S. W.
79.00	Bottom of hollow, course N. E. Enter pine timber.
80.70	Set a limestone, 22 x 8 x 8 ins. 17 ins. in the ground, for cor. of secs. 1, 6, 7, and 12, marked with 1 notch on N., and 5 notches on S. edges; from which A pine, 14 ins. diam., bears N. 35° E. 180 lks. dist., marked T. 4 S., R. 3 W., S. 6 B. T. A pine, 12 ins. diam., bears S. 40° E., 80 lks. dist., marked T. 4 S., R. 3 W., S. 7 B. T.

No other trees within limits, and I raise a mound of stone, 2½ ft. base, 2 ft. high, W. of cor.

This cor. is about 1100 ft. above Tp. cor.

Land mountainous.

Soil, loam, 1st rate.

Good grass for grazing.

Dense under-growth of bark and wild currents.

Chains	
	Pine timber.
	Mountainous,
	land covered with dense undergrowth
	80.70 chs.
	South on a true line bet. secs. 7 and 12.
	Ascend mountain through pine timber.
3.00	Spur of rocky ridge 100 ft. above cor. bears N. 10° E., and S. 10° W.
9.00	Swale, 40 ft. below ridge, course N. 12° E.
21.00	Spur 70 ft. above hollow, bears and slopes N. E.
24.00	Head of hollow, 80 ft. below ridge, course N. E., terminates in Middle Cañon, about 1 mile below.
27.00	Leave timber
	Top of divide mountain bet. Middle and Settlement Cañons, about 2000 ft. above the creek in Middle Cañon, bears N. 36° W. and S. 36° E.; descend S. W. slope of mountain.
	Enter scrub mahogany.
40.00	Set a limestone, 10 x 12 x 10 ins., 12 ins. in the ground, for 1/4 sec. cor., marked 1/4 on W. face; and raise a mound of stone, 2½ ft. base, 2 ft. high. W. of cor. Pits impracticable.
54.50	Swale, 350 ft. below divide ridge, course N.
56.25	Small ridge, bears E. and W.
60.50	Bottom of head of first left hand fork of Settlement Cañon, 1000 ft. below divide ridge, course N.
	Leave mahogany, and enter aspen timber.
73.50	Leave aspen timber, bears E. and W.
80.00	Set blue limestone, 22 x 10 x 8 ins., 17 ins. in the ground, for cor. of secs. 7, 12,

West boundary of T. 4 S., R. 3 W. — Continued.

13 and 18, marked with 2 notches on N., and 4 notches on S. edges, and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor. Pits impracticable.
Land, mountainous.
Soil, gravelly and loam 2nd rate.
Good grass for grazing.
Undergrowth, oak and mahogany.
Timber pine and aspen.
Mountainous, or heavily timbered land, or land covered with dense undergrowth, 80.00 chs.

South on a true line, bet. secs. 13 and 18.
Ascend mountain, through oak brush.
5.00 Top of ridge, between first left hand fork of Settlement Cañon, and main Canon, 220 ft. above cor., bears N. W. and S. E.; descend.
17.00 Head of swale, 40 ft. below ridge, course S. 80° W.; ascend.
18.50 Spur, 60 ft. above swale, bears and slopes W.; descend.
40.00 Set a quartzite stone, 16 x 10 x 5 ins., 11 ins. in the ground, for ¼ sec. cor., marked ¼ on W. face; and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor. Pits impracticable.
45.25 A miner's cabin on line.
46.25 Bottom of left hand fork of Nelson's Cañon, 1000 ft. below divide ridge, course S. W.
A spring of good clear water, flowing about 500 gallons per minute, bears W. 75 lks. dist.; ascend.
54.00 Spur of ridge, 250 ft. above hollow, bears S. 80° W.

West boundary of Tp. 4 S, R 3 W. — Continued

Chains	
56.50	Enter aspen grove, bears E and W.
59.30	Leave aspen grove, bears E and W.
62.00	Bottom of hollow, course W. 50 ft. below ridge.
65.20	Top of spur, 40 ft. above hollow, bears N. 75° W., and S. 75° E., and terminates 10.00 chs. below; descend.
68.00	Swale, course W.
	Enter aspen saplings; ascend.
75.25	Leave aspen saplings.
78.00	Spur of ridge, 10 ft above swale, bears E. and W.; descend.
80.00	Bottom of swale, 50 ft. below ridge, course W.
	Set a sandstone, 14 x 10 x 6 ins, 9 ins in the ground, for cor. of secs. 13, 18, 19, and 24, marked with 3 notches on N., and 3 notches on S. edges; and raise a mound of stone, 2½ ft. base, 2 ft. high, W. of cor. Pits impracticable.
	Land, mountainous, sloping toward the W.
	Soil, loam mixed with gravel, 2nd rate.
	Good grass for grazing.
	Undergrowth, oak and larb.
	Timber, aspen.
	Mountainous, or heavily timbered land or land covered with dense undergrowth, 80.00 chs.
	Aug. 14, 1896.

August 15: At 7h 30m a.m., l.m.t. I set off 40° 28' on the lat. arc, 13° 49' N. on the decl. arc; and determine a true meridian with the solar at the cor. of secs. 13, 18, 19 and 24. Thence I run South bet. secs. 19 and 24.

	Ascend mountain, through oak and larb undergrowth.
2.00	Top of long ridge, about 1000 ft. above the coal kilns in Settlement

West boundary of T. 4 S. R. 3 W. — Continued

Chains	cañon, which are plainly visible, bears W., and terminates near said coal kilns, about 1 mile dist.; descend.
19.00	Bottom of sharp hollow, course S. 75° W.
24.00	Ridge, slopes towards S. W.; descend.
27.00	Bottom of right hand fork of Kelsey's Cañon, 700 ft. below ridge, course W.
	Enter pine and aspen timber; ascend.
40.00	Set a quartzite stone, 20×10×4 ins., 4 ins. in the ground, for 1/4 sec. cor., marked 1/4 on W. face; from which
	An aspen, 6 ins. diam., bears N. 34° 30' W., 15 lks. dist., marked 1/4 S., B. T.
	An aspen, 7 ins. diam., bears N. 75° E., 12 lks. dist., marked 1/4 S., B. T.
42.00	Ridge, 500 ft. above hollow, bears W. Leave pine timber, and enter scrub mahogany; descend.
58.24	I intersect N. bdy. of James James' ranch, at a point from which the first half mile cor. on the ranch bdy. bears S. 50° 15' E. 10.36 chs. dist.
	Set a quartzite stone, 17×10×5 ins., 12 ins. in the ground, for closing cor. of fracl. secs. 19 and 24., marked C.C. on N. and J. J. on W. faces; and raise a mound of stone 2 ft. base, 2 ft. high, W. of cor. Pits impracticable.
62.50	Foot of ridge; enter bottom of branch of Settlement Cañon.
64.00	Rocky wash in bottom of cañon, course N. 60° W.
68.00	Wood road, bears with cañon.
	A spring bears N. 60° W., about 7.00 chs. dist.
70.00	Leave cañon, ascend.

Chains	
72.00	Intersect S. bdy. of James James ranch at angle cor. from which the 1/2 mile cor. bet the 3rd and 4th mile cor. on the ranch bdy. bears N 45° W. 2.08 chs. dist. This corner is a quartzite stone, 5 x 12 x 10 ins. above ground firmly set which I mark, for closing cor. of fract. secs. 19 and 24, with C. C. on S., and J. J. on N. faces; from which A red pine, 14 ins. diam., bears N. 68° W., 55 lks. dist., marked C. C. T. 4 S., R. 3 W. S. 24 B. T. Ascend mountain, through pine and aspen timber.
80.00	Set a blue limestone, 14 x 9 x 5 ins., 9 ins. in the ground, for cor. of secs. 19, 24, 25 and 30, marked with 4 notches on N., and 2 notches on S. edges; from which A pine, 14 ins. diam., bears N. 68° E., 13 lks. dist., marked T. 4 S., R. 3 W., S. 19, B. T. An aspen 15 ins. diam., bears S. 54° E., 75 lks. dist., marked T. 4 S., R. 3 W., S. 30, B. T.; and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, N. of cor. No other tree within limits. This cor. is 200 ft. above cañon. Land, mountainous. Soil, gravelly and loam. 3rd rate. Mountainous, or heavily timbered land, or land covered with dense under growth. 80.00 chs.

Smith on a true line bet. secs. 25 and

West boundary of Tp. 4 S. R. 3 W. — Continued.

Chains	30
	Ascend mountain, through pine and aspen timber.
15.00	Limestone ledge 4 ft high on top ridge, 500 ft above cañon, bears E. and W.
35.00	Leave pine and aspen timber, bears S. E. and N. W.
37.00	Enter grove of aspen saplings.
40.00	An aspen, 3 ins. diam., for 1/4 sec. cor., I mark 1/4 S. on W. side; from which
	An aspen, 7 ins. diam., bears S. 35° E., 22 lks. dist., marked 1/4 S., B. T.
	An aspen, 5 ins. diam., bears S. 35° E., 38 lks. dist., marked 1/4 S., B. T.; descend.
44.00	Wash in swale, 75 ft below ridge, course N. W.; descend.
45.00	Leave aspen grove, bears E. and W.
50.50	Spur of ridge, 20 ft. above swale, slopes N. W.
51.50	Swale, course N. W.; ascend gently.
55.00	Enter scrub pines; ascend abruptly.
67.50	Top of divide, mountain bet. Settlement and Soldier Cañons, 3000 ft above Tooele Valley, bears E. and W. Leave pine timber; descend S. slope of mountain.
78.50	Enter clump of aspen trees.
79.50	Leave timber clump.
80.00	Set a sandstone, 16 X 10 X 6 ins. 11 in the in the ground, for cor. of secs. 25, 30, 31, and 36., marked with 5 notches on N. and 1 notch on S. edges; from which
	An aspen, 3 ins. diam., bears N. 16° 30' E., 120 lks. dist., marked T. 4 S. R. 3 W. S. 30 B. T.
	An aspen, 3 ins. diam., bears

West boundary of T. 4 S. R. 3 W. — Continued.

bearing	N. 3° W., 70 lks. dist., marked T. 4 S., R. 4 W., S. 25, B. T.
	Dig pits 18 X 18 X 12 ins., 5 ft. dist., in secs. 31 and 36; and raise a mound of earth, 2 ft. base, 1½ ft high, W. of cor-ner.
	Land, mountainous.
	Soil, loam and gravelly, 2nd rate.
	Undergrowth, sage, choke-cherry, and scrub pine.
	Good grass for grazing.
	Timber, pine and aspen.
	Mountainous, or heavily timbered land or land covered with dense undergrowth, 80.00 chs.
	South, on a true line, bet. secs. 31 and 36.
	Descend mountain through sage, wild currant and choke-cherry undergrowth.
7.00	Enter aspen timber, bears E. and W.
11.50	Swale, 200 ft. below cor., course S. 80° W.
14.00	Top of spur 40 feet above swale, bears E. and W.
	Leave aspen timber.
20.80	Bottom of left hand fork of Soldier Cañon about 200 ft. below divide bet. Settlement and Soldier Cañons; course S. 50° W.
21.50	Enter pine and aspen timber.
32.00	Leave pine and aspen timber.
34.30	Top of divide ridge bet. right and left hand forks of Soldier Cañon, 300 ft. above bottom of left hand fork, bears N. 80° E. and S. 80° W.; terminates 15.00 chs. below.
	Enter scattering pine timber; descend.
40.00	Set a quartzite stone, 20 X 12 X 6 ins., 17 ins. in the ground, for ¼ sec. cor., marked ¼ on W. face; from which

West boundary of T. 4 S., R. 3 W. - Continued.

Chains	
	A pine, 5 ins. diam., bears S. 10° W., 75 lks. dist., marked ¼ S., B. T., and raise a mound of stone, 2 ft. base 1½ ft. high W. of cor. Pits impracticable.
45.00	Enter aspen and maple trees.
49.25	Spring branch in bottom of right hand fork of Soldier Cañon, 10 lks. wide, 4 ins. deep about 100 ft. below ridge; course N. 80° W., about 20.00 chs. to fork of cañon.
	Ascend mountain, through dense undergrowth.
72.00	Leave pine and aspen timber, bears E. and W.
72.50	Top of spur of ridge, 600 ft. above creek, bears N. 55° W. and S. 55° E.; descend.
73.00	Enter aspen.
74.00	Leave aspen.
80.00	Intersect S. bdy. of Tp., 2.98 chs. E. of temp. Tp. cor. which I destroy and Set a limestone, 18 x 9 x 6 ins., 14 ins. in the ground, for cor. of Tps. 4 and 5 S. Rs. 3 and 4 W., marked with 6 notches on each edge, 4 S. on N. E., 3 W. on S. E., 5 S., on S. W., 4 W. on N. W faces; and raise a mound of stone, 2 ft. base, 2 ft. high, S. of cor. Pits impracticable.
	Sand, mountainous.
	Soil, loam and gravel; 2nd rate.
	Good grass for grazing.
	Undergrowth, sage, wild currant and choke-cherry.
	Timber pine and aspen.
	Mountainous land or heavily timbered land or land covered with dense undergrowth, 80.00 chs.

August 15, 1896.

Copy [illegible] Sec. & Dep. [illegible] next page

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

Andrew J. Stewart Jr.
U. S. Dep. Sur.

Boundaries of T. 4 S., R. 3 W.

Latitudes, departures and closing errors.

Line designated	True bearing	Distance	Latitudes N.	Latitudes S.	Departures E.	Departures W.
		chs.	chs.	chs.	chs.	chs.
E. bdy. T. 4 S., R. 3 W.	South	303.49		303.49		
F. C. M. R. bdy.				13.24		399.38
N. side Sec. 30.	East	9.90			9.90	
E. side Sec. 30.	S. 0° 1' W.	80.10		80.10		
N. side Sec. 32.	N. 89° 57' E.	80.40	0.21		80.40	
E. side Sec. 32.	S. 0° 1' E.	80.00		80.00		
S. bdy. T. 4 S. R. 3 W.	West	187.15				187.15
W. bdy. T. 4 S. R. 3 W.	North	480.70	480.70			
N. bdy. T. 4 S. R. 3 W.	East	498.00			498.00	
Convergency					.62	
Totals			480.91 478.83	478.83	588.92 586.53	586.53
Error in latitude			2.08	Error in dep. 2.39		

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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

_____

_____

BOOK [illegible]

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, ... United States Deputy Survey
solemnly swear that, in pursuance of a contract received from .....
United States Surveyor General for ..... bearing date
..... day of ....., 189 , I have well, faithfully, and truly, in m
proper person, and in strict conformity with the instructions furnished by the United States Su
General for ....., the Manual of Surveying Instructions, and the laws
United States, surveyed all those parts or portions of .....
.....
.....
.....
..... of the .....
..... meridian, in the ..... of ....., which are represented
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 accordanc
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, an
the foregoing are the original field notes of such survey; and should any fraud be detected, I will
the penalty of perjury under the provisions of an Act of Congress approved August 8, 1846.

.....
United States Deputy Sur

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, Mch 21st

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

executed by a Andrew J. Stewart Jr.
under his contract No. 203, dated December 27th, 1895, having
critically examined, and the necessary corrections and explanations made, the said field notes, a
surveys they describe, are hereby approved.

Jacob B. Bla
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 off

.....
United States Surveyor Ge

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4—679.

BOOK A-248

FIELD NOTES

OF THE SURVEY OF THE

Fractional South Boundary of

T. 3 S., R. 4 W.

Of the Salt Lake Base and Meridian,

In the State of Utah.

AS SURVEYED BY

Andrew J. Stewart Jr., United States Deputy Surveyor,

Under his Contract No. 203, dated December 27th, 1895

Survey commenced August 10th, 1896

Survey completed August 11th, 1896

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South Bdry — Lot	1	39-00
Closing		1-60
" Bdry. Pcc.		37-82
" Pkg.		10-54
Contingent		39-00

NAMES AND DUTIES OF ASSISTANTS.

Scott R. Stewart, Chainman.

John R. Stewart, Chainman.

Bert Boshard, Chainman.

John U. Bichy, Chainman.

Thomas Barnard, Moundsman & Axeman.

Andy J. Stewart, Moundsman & Axeman.

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INDEX DIAGRAM.

Township 30 South, *Range* 4 West

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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 lev
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 as
measuring, to the best of our skill and ability, and in accordance with instructions given us, in the sur

.....

..... *Chai*

..... *Chai*

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

SEAL

.....

.....

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

.....

..... *Moun*

..... *Moun*

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

SEAL

.....

.....

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

.....

..... *A*

..... *A*

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

SEAL

.....

.....

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

..... *Fla*

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

SEAL

.....

.....

South boundary of T. 3 S., R. 4 W.

Chains

Survey commenced August 10, 1896, and executed with a W. and L. E. Gurley light mountain transit No-, the horizontal limb having two double verniers placed opposite to each other and reading to 30" of arc. The instrument was examined, tested on the true meridian at Salt Lake City, found correct, and was approved by the surveyor general for Utah, April 3, 1896.

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

August 10: At the cor. of secs. 2, 3, 34 and 35 lat. 40° 30' N., long. 112° 16' W., at 7h 12m a.m. l.m.t., I set off 40° 30' on the lat. arc; and 15° 22' N. on the decl. arc; (these settings being the nearest practicable to the true minutes and fractions thereof required); determine with the solar a true meridian, and mark a point thereof on a stone, set firmly in the ground, 5.00 chs. N of cor.

At 10h 05m p.m., l.m.t., I observe Polaris at eastern elongation, in accordance with the Manual of Instructions, and mark the line thus determined by a (x) on a stone, set in the ground, 5.00 chs. N. of my station.

August 11: At 7h 12m a.m., l.m.t., I lay off the azimuth of Polaris 1° 38' west and mark the True Meridian thus determined, by cutting a groove on the stone set this day, on which the true meridian falls 0.3 lns. east of the point determined by the solar.

At 7h 30m a.m., l.m.t. I set off 40° 30', on the lat. arc 15° 02' N., on the decl. arc; and mark a point in the true meridian determined with the solar, by a cross on the stone already set 5.00 chs. N. of my station;

S bdy. of T. 3 S., R. 4 W. - continued.

Chains.	this mark falls 0.3 ins. east of the true meridian established by the Polaris observation. The solar apparatus, by p. m. and a. m. observations, defines for true meridians, respectively about 0°20" west and 0°16" east of the meridian established by the Polaris observations; therefore, I conclude that the adjustments of the instrument are satisfactory. The magnetic bearing of the true meridian, at 8h 30m a. m., is N. 16°36' W.; the angle thus determined, reduced by the table, page 100, gives the mean mag. decl. 16°31' E.
X	Note. - As the ¼ sec. cor. bet. secs. 2 and 35 on S. bdy. of T. 3 S., R. 4 W. cannot be found I commence at the corner of secs. 2 and 35 on S. bdy. of T. 3 S., R 4 W., which is a grey sandstone, 7 x 6 x 5 ins., above ground, marked and witnessed as described by the surveyor general. I raise a mound of stone, 2 ft. base, 2 ft. high W. of cor.
	Thence I run,
	East on a retracement line along the S. bdy. of T. 3 S. R. 4 W. bet. secs. 2 & 35; ascend.
1.50	Spur of ridge, 10 ft. above cor., slopes towards the N.
5.25	Wire fence, bears N. E. and S. W.
5.50	Swale, 80 ft. below ridge, course N.; ascend.
13.15	Top of ridge, 60 ft. above swale, bears N. and S.
21.00	Swale, 50 ft. below ridge, course N.; ascend.
24.00	Ridge, 40 ft. above swale, bears N. 5° E. and S. 5° W.
30.50	Swale, 30 ft. below ridge, course N.
35.50	Ridge, 20 ft. above swale, bears N. and S.
39.00	Bottom of Corner Canon, 20 ft. below ridge course N. W.; it heads about a mile S. E.
39.00	I find the old ¼ sec. cor., which is a sandstone, 6 x 10 x 6 ins., above the ground, marked and witnessed as described by the surveyor general, and I raise a mound of stone 3½ ft. base, 3 ft. high, N. of cor. Pits impractical.
	Thence I run
	East, on a random line, along the S. bdy.

3

South boundary of T. 3 S., R. 4 W.—Continued.

Chains	
	of Tp. 3 S., R. 4 W., setting temp. sec. and ¼ sec. cors. at intervals of 40.00 chs.; and at 119.00 chs. intersect E. bdy. of Tp 160 lks. S. of the cor. of Tps. 3 and 4 S., Rs. 3 and 4 W. Set a quartzite stone, 16 x 10 x 6 ins.; 11 ins. in the ground, for the closing cor. of Tps. 3 and 4 S., R. 4 W., marked C. C and 6 grooves on W., and 6 grooves on N., and 6 grooves on S. faces; and raise a mound of stone, 3 ft. base, 3 ft. high, W. of cor. Pits impracticable. I destroy the marks on the cor. set for Tps. 3 & 4 S., Rs. 3 & 4 W. that relate to Tps. 3 and 4 S. R. 4 W.
	West on a true line bet. secs. 1 and 36.
	Descend mountain through dense undergrowth.
1.75	Bed of creek, in Middle Cañon, course N. 80° W. Thence along bottom of cañon.
4.00	Wood road, in Middle Cañon, bears N. 80° W. and S. 80° E.
15.50	Top of ridge, 80 ft. above cañon, bears N. and S. Thence along N. slope of mountain; descend.
33.00	Drag road, in bottom of hollow, bears N. and S.; ascend mountain.
	Enter pine timber.
40.00	Set a quartzite stone, 14 x 10 x 5 ins. 9 ins. in the ground, for ¼ sec. cor., marked ¼ on N. face; from which
	A pine, 9 ins. diam., bears N. 10° W. 5 lks. dist., marked ¼ S., B. T.
	A pine, 12 ins. diam., bears S. 30 lks. dist., marked ¼ S., B. T.
44.70	Top of ridge, slopes towards the N.
53.00	Head of swale; course N. 50° E.
	Ascend abruptly.
71.30	Top of rocky ridge, bears N. and S.
73.00	Head of swale, course N. 10° W.
74.50	Top of divide ridge bet. Middle Cañon and Tooele Valley, 1000 ft. above the Valley; bears N. 30° W. and S. 40° E. Leave pine timber.
	Descend through scrub mahogany.

South boundary of T. 3 S., R. 4 W. Continued.

Chains	
79.70	Intersect John B. Gordon's private land claim at a point 20.02 chs. S. of angle cor., which is 17.30 chs. E. of ½ mile cor.
	Set a quartzite stone 15 x 9 x 6 ins., 9 ins. in the ground, for closing cor., marked C.C. on E. and J. B. G. on W. faces; and raise a mound of stone, 2 ft. base 1½ ft. high E of cor. Pits impracticable.
80.00	Set a sandstone, 15 x 9 x 6 ins. 10 ins. in the ground, for cor. of secs. 1, 2, 35 and 36, marked with 1 notch in E., and 5 notches on W. edges; from Which,
	A mahogany, 6 ins. diam., bears S. 10° W. 30 lks dist., marked T. 4 S., R. 4 W., S. 2, B.T.
	A mahogany, 4 ins. diam., bears N. 10° E. 140 lks dist., marked T. 3 S., R. 4 W., S. 36, B.T.
	No other trees within limits. Raise a mound of stone, 3 ft. base, 2 ft high, W. of cor. Pits impracticable.
	Land, mountainous.
	Soil, loam and gravelly; 2nd and 3rd rate.
	Timber, pine and aspen; undergrowth oak.
	Mountainous land, or land covered with dense undergrowth 80.00 chs.
	Thence I run
	West, on a true line, bet. secs. 2 and 35.
	Descend W. slope of mountain through mahogany undergrowth.
7.00	Intersect dividing line bet. Peter Clegg's and John B. Gordon's private land claims at a point 27 lks S. of ½ M. cor. on Peter Clegg claim.
	Leave mahogany.
36.95	Intersect the West boundary of Peter Clegg Claim 10.27 chs. S. of Big cor.
38.00	Bottom of wash, course N. 80° W.
	Ascend.
39.00	To ¼ sec. cor. bet. secs. 2 and 35.
	Land mountainous.

South boundary of T. 3 S., R. 3 W. Concluded.

Soil, loam and gravelly; 2nd and 3rd rate.
No timber.
Undergrowth, mahogany and oak
Mountainous land, or land covered with dense undergrowth 39.00 chs.
Aug. 11, 1896.

For general description see notes of subdivisions of this township.

Andrew J. Stewart Jr.
U. S. Dep. Sur.

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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.

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

_____

_____

_____

_____ of the _____
_____ meridian, in the _____ of _____, which are represented
foregoing field notes as having been surveyed by me, and under my direction; and I do further so
swear that all the corners of said survey have been established and perpetuated in strict accordan
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, a
the foregoing are the original field notes of such survey; and should any fraud be detected, I wil
the penalty of perjury under the provisions of an Act of Congress approved August 8, 1846.

_____
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 Mch 21st

The foregoing field notes of the survey of Fractional South Bound
of Township 3 South Range 4 West of the Salt Lake
Base and Meridian Utah —

executed by Andrew J. Stewart Jr
under his contract No. 203, dated December 27th, 1895, havi
critically examined, and the necessary corrections and explanations made, the said field notes, a
surveys they describe, are hereby approved.

Jacob B. Bla
United States Surveyor G

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

_____
United States Surveyor G

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BOOK A-248

FIELD NOTES

OF THE SURVEY OF THE

Subdivision lines and Private Land Claim Boundaries of Township 4 South Range 3 West

Of the Salt Lake Base and Meridian,

In the State of Utah

AS SURVEYED BY

Andrew J. Stewart Jr., United States Deputy Surveyor,

under his Contract No. 203, dated December 27th, 1895

Survey commenced August 18th, 1896

Survey completed September 1st, 1896

[illegible]

BOOK A-248

NAMES AND DUTIES OF ASSISTANTS.

Scott A. Stewart, Chainman.

John R. Stewart, Chainman.

Bert Bishard, Chainman.

John W. Buchy, Chainman.

Thomas Barnard, Mountman & Axeman.

Andy J. Stewart, Mountman & Axeman.

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Volume

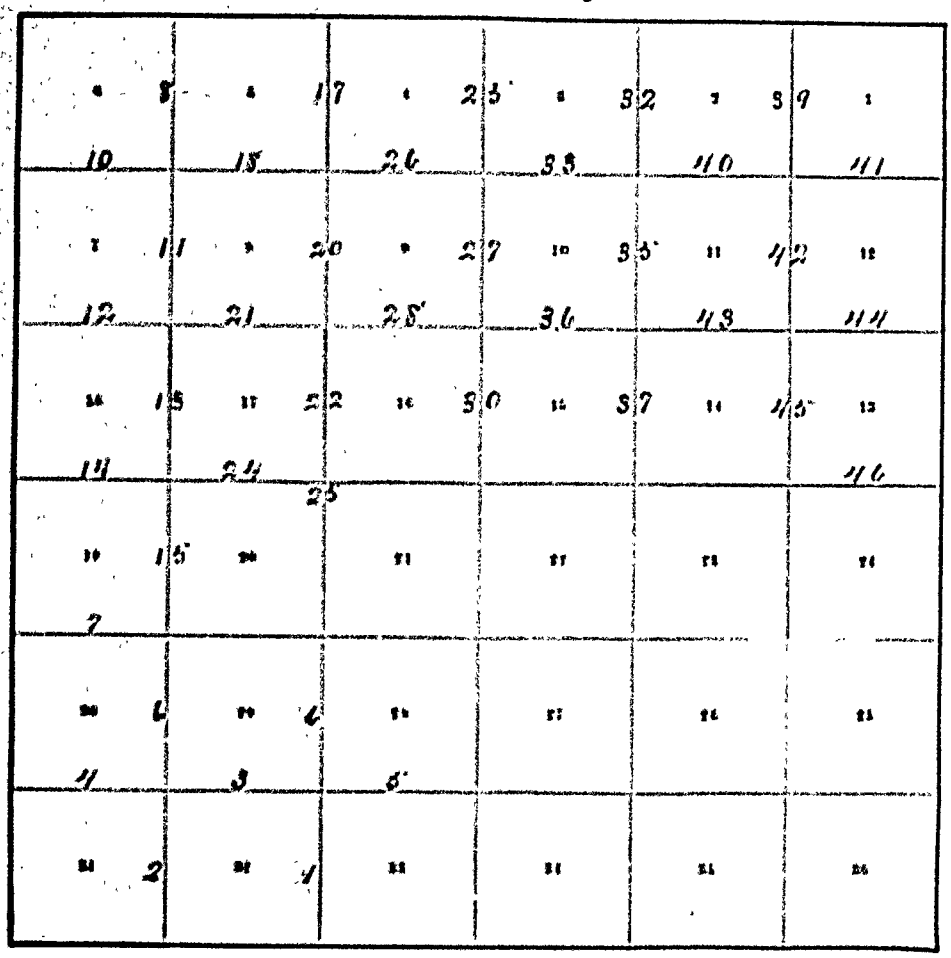
#

R0248

BOOK A-248

INDEX DIAGRAM.

Township 4 South, *Range* 3 West



Meanders Page 49

PRELIMINARY OATHS OF ASSISTANTS.

WE, ... and .....
do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will lev
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 a
measuring, to the best of our skill and ability, and in accordance with instructions given us, in the sur
.....

.....*, Chai*

.....*, Chai*

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

SEAL

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

.....*, Moun*

.....*, Moun*

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

SEAL

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

.....*A*

.....

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

SEAL

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

.....*F*

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

SEAL

Subdivision of T. 4 S., R. 3 W.

Chains	
	Survey commenced Aug. 18, 1896, and executed with a V. and L. E. Gurley light mountain transit, No —, the horizontal limb having two double verniers placed opposite to each other and reading to 30" of arc. (See book B.) Note.—The sky was overcast the entire night of Aug. 17, and the morning of the 18, therefore Polaris, and solar observations are impossible.
	From the cor. of secs. 32 and 33, on the S. bdy. of Tp., which is a limestone, 5 x 10 x 5 ins. above ground, firmly set and marked and witnessed as described by the surveyor general. Thence
	N. 0° 1' W. bet. secs. 32 and 33
	Descend over ridges and ravines.
2.00	Enter pine timber, bears E. and W.
5.00	Begin steep descent.
14.00	Leave pine timber, bears E. and W.
15.70	Bottom of wash in cañon, 500 ft. below cor., course N. 75° E.
25.00	A lagoon, 100 lks. in diam., bears E., about 15.00 chs. dist.
40.00	Top of spur, bears and slopes N. 54° E. Set a blue limestone, 16 x 5 x 5 ins., 9 ins. in the ground, for 1/4 sec. cor., marked 1/4 on W. face, and raise a mound of stone, 2 1/2 ft. base, 2 1/2 ft. high, W. of cor. Pits impracticable.
	The high peak which bears S. 55° E., 2.22 chs. from 27th mile cor. on the T. C. M. R. bdy., bears S. 55° W.; descend.
41.00	Enter pine timber, bears N. E. and S. W.
50.00	Set a limestone 18 x 12 x 7 ins., 14 ins. in the ground, for cor. of secs. 28, 29, 32, and 33, marked with 4 notches on E. and 1 notch on S. edges; from which
	A balsam, 10 ins. diam.

bears S. 45° 30' W. 60 lks. dist., marked T. 4 S., R. 3 W., S. 32, B. T.
A balsam, 12 ins. diam., bears S. 39° E., 85 lks. dist., marked T. 4 S., R. 3 W., S. 33, B. T.
A balsam, 8 ins. diam., bears N. 33° E., 153 lks. dist., marked T. 4 S., R. 3 W., S. 28, B. T.
A balsam, 8 ins. diam., bears N. 58° W., 153 lks. dist., marked T. 4 S., R. 3 W., S. 29, B. T.;
and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor. X
Land, mountainous.
Soil, loam and gravelly, 1st and 2nd rate.
Good grass for grazing.
Timber, pine.
Mountainous, or heavily timbered land.
80.00 Chs. Aug. 18: At this cor., al. set off 12° 46' N. on the decl. arc, and at 11h 38m a.m., l.m.t. observe the sun on the meridian; the resulting latitude is 40° 26'.

From the cor. of secs. 31 and 32, on the S. bdy. of Tp., described heretofore,
Run
N. 0° 2' W. bet. secs. 31 and 32.
Descend through aspen timber.
14.50 Bottom of Ophir Canyon, about 50 ft. below cor., course S.; ascend.
24.00 Leave aspen timber, bears N. E. and S. W.
40.00 Set a sandstone, 14 x 10 x 6 ins., 9 ins. in the ground, for ¼ sec. cor., marked ¼ on W. face, and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor. Pits impracticable.
This cor. is on S. slope of mountain.
57.50 Top of divide ridge, bet. Settlement and Ophir Canyons, bears N. 80° E. and S. 80° W.; descend

Chains	
40.00	Set a blue limestone, 18 x 9 x 6 ins., 12 ins. in the ground, for the cor. of secs. 29, 30, 31 and 32, marked with 5 notches on E., and 1 notch on S. edges; and raise a mound of stone, 3 ft. base, 2 ft. high W. of cor. X Pits impracticable
	Land, mountainous
	Soil, black loam, 1st rate
	Good grass for grazing
	Undergrowth, sage and wild currant
	Timber, aspen, 24, 50 chs.
	Mountainous, or heavily timbered land, 50.00 chs.
	East on a random line bet. secs. 29 and 32
40.00	Set temp. 1/4 sec. cor.
50.40	Intersect N. and S. line, 20 lks. S. of the cor. of secs. 28, 29, 32 and 33.
	Thence Drain
	S. 89° 51' W., on a true line bet. secs. 29 and 32.
	Descend through pine and aspen timber
10.70	Leave pine and aspen timber
11.50	Spring branch in North canon, 10 lks. wide, 5 ins. deep, rapid current, pure water, course N. 20° E.; flows from a spring of pure water, 10 ft. diam., 1 ft. deep, which bears S. 20° W. about 10 chs. dist.; ascend.
40.20	Set a blue limestone, 18 x 12 x 9 ins., 12 ins. in the ground, for 1/4 sec. cor., marked 1/4 on N. face, and raise a mound of stone, 2 1/2 ft. base, 2 1/2 ft. high, W. of cor. Pits impracticable.
43.65	Top of high sharp ridge, bears N. 30° E. and S. 30° W.
47.90	Enter pine timber, bears N. E. and S. W.

Subdivision of T. 4 S., R. 3 W. — Continued

Chains	
58.90	Bottom of wash in North Canon, course N. 20° E.; ascend.
69.40	Leave pine timber; bears N. E. and S. W.
75.65	Top of divide ridge bears N. 20° E. & S. 20° W.
76.17	Bdy. of F. C. M. R. The 26th mile cor. bears S. 17° W. 2.71 chs. dist.
80.40	The cor. of secs. 29, 30, 31, and 32.
	Land, high mountainous ridges.
	Soil, 2nd rate.
	Good grass for graging.
	Undergowth, oak, choke-cherry and sage.
	Timber, pine 21.50 chs.
	Mountainous, or heavily timbered land, 80.40 chs.
	Aug 18. 1896.

Aug. 19: At 7 h. 4 m. a. m. l. m. t., I set off 40° 26' on the lat. arc; 12° 31' N. on the decl. arc; and determine a true meridian with the the solar, at the cor. of secs. 29, 30, 31 and 32.

Thence I run

West on a random line bet. secs. 30 and 31.

40.00	Set temp. 1/4 sec. cor.
107.60	Intersect N. bdy. of Tp., 19 lks. N. of the cor. of secs. 25, 30, 31, and 36. described heretofore

Thence I run

N. 89° 55' E., on a true line bet. secs. 30 and 31

Ascend through choke-cherry and wild current bushes.

16.80	Top of ridge, 150 ft. above cor., bears N. and S.; descend.
30.10	Swale, 100 ft below ridge, course S. W.; ascend.
41.30	Top of low ridge, bears S. 50° W. and

Subdivision of T. 4 S., R. 3 W. – Continued.

Chains.	
	N. 30° E.; descend.
46.20	Bottom of swale, course S. 60° W.; ascend.
55.25	Top of divide ridge, bet. Settlement and Soldier Cañons, 1500 ft. above the cañons, bears N. 30° W. and S. 30° E.
67.60	Set a sandstone, 14 x 10 x 5 ins., 9 ins. in the ground; for ¼ sec. cor., marked ¼ on N. face; and raise a mound of stone, 2½ ft. base, 2 ft. high, N. of cor. Pits impracticable.
107.60	The cor. of secs. 29, 30, 31 and 32.
	Land, high rolling ridges.
	Soil, loam and gravelly; 1st. and 2nd rate.
	Good grass for grazing.
	No timber; undergrowth, choke-cherry.
	Mountainous land, or land covered with dense undergrowth, 107.60 chs.

From the cor. of secs. 28, 29, 32, and 33 heretofore described I run

East, on a random line bet. secs. 28 and 33.

40.20 I fall 6 lks. S. of the ¼ sec. cor. bet. sec. cors. 28, and 33, which is a limestone 8 x 8 x 8 ins., above ground, firmly set and marked and witnessed as described by the survey on general.

Thence I run

S. 89° 55' W., on a true line bet. secs. 28 and 33.

Descend mountain, through pine timber.

12.00	Bottom of gulch, course N.; ascend.
18.00	Top of low ridge, bears N. 15° E. and S. 15° W.; descend.
21.00	Bottom of ravine, 8 ft. deep, course N. 15° E.
30.10	Top of ridge, bears N. and S.; descend.
40.20	The cor. of secs. 28, 29, 32, and 33.
	Land, mountain ridges and ravines.
	Soil, loam and gravelly; 1st and 3rd rate.
	Good grass for grazing.
	Timber, pine.
	Mountainous, or heavily timbered land 40.20 chs.

Subdivision of T. 4 S., R. 3 W. Continued.

Chains	
	N. 0° 1' W., on a random line bet. secs. 28 and 29.
39.95	I fall 13 lks. E. of the ¼ sec. cor. bet. secs. 28 and 29, which is a limestone, 5 x 10 x 10 ins., above ground, firmly set and marked and witnessed as described by the surveyor general. Thence I run S. 0° 12' E., on a true line bet. secs. 28 and 29; descend.
25.00	Spring branch in North Canon, 6 lks wide 6 ins. deep, rapid current, course N. 30° E., begin ascent. Enter pine timber.
39.95	The cor. of secs. 28, 29, 32 and 33. Land, mountainous. Soil, gravel and dark loam; 1st and 2nd rate. Good grass for grazing. Timber, pine. Mountainous or heavily timbered land 39.95 chs. August 19: At this cor., I set off 12° 27' N. on the decl. arc and at 0h 3m p.m., l.m.t., observe the sun on the meridian, the resulting lat. is 40° 26'.
	From the cor. of secs. 29, 30, 31 and 32 described heretofore. Thence I run N. 0° 12' W., on a random line bet. secs. 29 and 30.
40.00	Set temp. ¼ sec. cor.
80.10	Intersect N. and S. line, 50 lks W. of the cor. of secs. 19, 20, 29, and 30, which is a sandstone 6 x 12 x 10 ins. above ground, firmly set and marked and witnessed as described by the surveyor general. Thence I run S. 1' W. on a true line bet. secs. 29 and 30; ascend.
3.00	Top of spur, about 30 ft. above the cor., bears E. and W.; descend.
24.90	Bottom of swale, 200 ft. below ridge, course N. 83° E.; ascend.

Chains.	
30.00	Top of spur 220 ft. above hollow, bears and slopes S. 75° E.
34.60	Swale, 100 ft. below ridge, course N. 80° E., ascend.
40.10	Point for cor. falls on a boulder, 2 x 2 x 1½ ft. above ground, on which I cut a cross (X), at the exact cor. point, for ¼ sec. cor., marked ¼ on W. face; and raise a mound of stone, 2½ ft. base, 2 ft. high, W. of cor. Pits impracticable.
50.06	Bottom of swale, the head of North Canon, 60 ft. below ¼ sec. cor., course E.
62.70	Top of divide ridge bet. Utah and Tooele Counties, bears N. 20° W. and S. 20° E.; descend.
66.26	Boundary of Fort Crittenden Military Reservation. The 26th mile cor. bears S. 17° E., 22.18 chs. dist.
80.10	The cor. of secs. 29, 30, 31 and 32.

Land, mountain ridges.
Soil, gravelly; 2nd rate.
Good grass for grazing.
Timber pine.
Mountainous, or heavily timbered land, or land covered with dense under-growth, 80.10 chs.

From the closing cor., where the S. bdy. of sec. 19 intersects the Fort Crittenden Military Reservation Boundary at a point 9.90 chs. W. from the N. E. cor. of sec. 30, which is a limestone, 5 x 14 x 6 ins., above ground, firmly set, and marked and witnessed as described by the surveyor general, I run S. 89° 55' W., on a random line bet. secs. 19 and 30.

30.10	Set temp ¼ sec. cor.
97.00	Intersect W. bdy. of Tp. 14 lks. S. of the cor.

Subdivision of T. 4 S., R. 3 W. Continued.

Chains	
	of secs. 19, 24, 25 and 30 described heretofore.
	Thence I run
	S. 89° 39' E. on a true line, bet. secs. 19 and 30.
	Ascend W. slope of mountain.
17.01	Intersect James James private land claim, at a point from which the ½ mile cor. bet. the 3rd and 4th miles bears N. 34° W. 13.61 chs. and S. 45° 11' W. 0.05 chs.
	Set a quartzite stone, 16 x 9 x 7 ins., 9 ins. in the ground for closing cor., marked C. C. on W. and J. J. on E. faces; and raise a mound of stone, 2 ft. base 1½ ft. high, W. of cor. Pits impracticable.
15.00	Bottom of Settlement Cañon, course N. 35° W.
16.00	Wagon Road, bears with cañon.
26.16	Intersect James James private land claim at a point 23.66 chs. S. 60° 15' E. from ½ mile cor.
	Set a quartzite stone, 17 x 6 x 6 ins., 10 ins. in the ground for closing cor., marked C. C. on E. and J. J. on W. faces; and raise a mound of stone, 2 ft. base 1½ ft. high E. of cor. Pits impracticable.
57.00	Set a limestone, 16 x 12 x 8 ins., 12 ins. in the ground, for ¼ sec. cor. marked ¼ on N. face, and raise a mound of stone 2 ft. base 2 ft. high, N. of cor. Pits impracticable.
97.00	Top of mountain.
	The closing cor. where the sec. line on the Sbdy. of sec. 19 intersects the Fort Crittenden Military Reservation Boundary.
	Land, mountainous.
	Soil, loam and gravelly, 1st and 3rd rate.
	Good grass for grazing.
	Undergrowth, sage and wild currant.
	No timber.
	Mountainous land, or land covered with dense undergrowth, 97.00 chs.
	August 19, 1896.

August 21, 1896. The sky is over cast and solar observations are impossible.
From the cor. of secs. 5, 6, 31 and 32

Chains	
	on the N. bdy of Tp. described heretofore, I run
	S. 0° 7' W., bet. secs. 5 and 6.
	Descend mountain through oak bush
16.50	A perpendicular cliff of quartzite stone, 30 ft. high, bears E. and W.
27.75	Road in bottom of left hand fork of Middle Cañon 300 ft. below sec. cor. bears S. 60° W. and N. 60° E.; ascend.
40.00	Set a quartzite stone, 16 x 10 x 6 ins., 11 ins. in the ground, for 1/4 sec. cor., marked 1/4 on W. face, and raise a mound of stone, 2 1/2 ft. base, 2 ft. high; Q.V. of cor. Pits impracticable.
53.00	Top of divide ridge bet. right and left hand forks of Middle Cañon, 270 ft. above left hand fork, bears S. 80° W., and N. 80° E.; descend
69.27	Intersect the N. bdy. of W. G. Stewart's ranch, at a point, from which the 1 1/2 mile cor. on the ranch bdy. bears N. 68° 45' W., 12.56 chs. dist.
	Set a quartzite stone 20 x 10 x 8 ins., 15 ins. in the ground, for closing cor. of fract. secs. 5 and 6, marked with C. C. on N., 5 grooves on E., and 5 grooves on S. faces, and raise a mound of stone, 2 ft. base, 2 ft. high, N. of cor. Pits impracticable.
76.00	Creek in bottom of Middle Cañon, 300 ft. below ridge, 8 lks. wide, 6 ins. deep, rocky bottom, course N. 60° W.
77.00	Road in Cañon, bears with cañon.
80.00	Intersect S. bdy. of W. G. Stewart's ranch, at a point from which the first mile cor. on ranch bdy. bears N. 68° 45' W., 8.45 chs. dist.
	Set a quartzite stone 15 x 7 x 6 ins., 12 ins. in the ground, for the cor. of secs. 5, 6, 7, and 8, marked with 5 notches on E., C. C. and 5

Chains	
	notches on S. edge; and raise a mound of stone, 2 ft. base, 2 ft. high. N. of cor. Pits impracticable.
	Land, ridges and ravines.
	Good grass for grazing.
	Soil, gravelly, rocky, and loam. 2nd and 3rd rate.
	Undergrowth, oak.
	No timber.
	Mountainous land, or land covered with dense under growth, 80.00 chs.
	Rest, on a random line bet. secs. 6 and 7.
40.00	Set temp. 1/4 sec. cor.
97.65	Intersect W. bdy. of Tp., 25 lks. N. of the cor. of secs. 1, 6, 7 and 12.
	Thence I run
	N. 89° 51' E., on a true line bet. secs. 6 and 7
	Descend mountain, through dense undergrowth.
3.30	Bottom of hollow, 50 ft. below cor., course N. 30° E.
	Enter pine timber, bears N. 30° E. and S. 30° W.; ascend
9.00	Top of spur, 100 ft. above hollow, bears N. 25° E., and S. 25° W., descend.
56.00	Leave pine timber.
57.65	Set a sandstone, 18 x 10 x 6 ins., 12 ins in the ground, for 1/4 sec. cor., marked 1/4 on N. face; and raise a mound of stone, 2 ft. base, 2 ft. high; N. of cor. Pits impracticable.
59.50	Spring drain in bottom of hollow, 2 lks. wide, 3 ins. deep, clear water, rocky bottom; rapid current, course N. 10° E.; ascend.

Chains	
	Thence along mountain side, over small hollows and ridges.
97.65	The cor. of secs. 5, 6, 7, and 8.
	Land mountainous.
	Soil, loam, 1st and 2nd rate.
	Good grass for grazing.
	Undergrowth, bark, wild currant, oak, and service-berry.
	Timber, pine.
	Mountainous, or heavily timbered land, or land covered with dense undergrowth. 97.65 chs.
	South 0° 1' W., bet. secs. 7 and 8.
	Ascend small cañon, very steep, course N.; through dense undergrowth.
15.00	Cross spring branch in cañon, 5 lks. wide 6 ins. deep, rapid current, steep banks, rocky bottom, good water, course N. 50° E.; continue ascent in bottom of cañon.
24.00	Leave bottom of cañon; begin steep ascent. Enter pine timber, bears N. E. and S. W.
40.00	Set a blue limestone, 16 x 10 x 5 ins., 11 ins in the ground, for 1/4 sec. cor., marked 1/4 on N. face; from which A pine, 9 ins. diam., bears N. 50° W., 35 lks. dist., marked 1/4 S. B. T. A pine, 8 ins. diam., bears E., 25 lks. dist., marked 1/4 S., B. T.
	This cor. is about 700 ft. above sec. cor.; continue ascent.
49.00	A perpendicular cliff of blue limestone, 15 ft. high, bears N. E. and S. W.
57.10	Top of spur of divide ridge, 1000 ft. above sec. cor. bears N. 30° E. and S. 30° W.; descend.

Subdivision of T. 4 S., R. 3 W. — Continued

60.00 Head of small cañon, course N. 25° E., ascend.

76.00 Leave pine timber.

80.00 Set a blue limestone, 14 x 9 x 6 ins., 10 ins. in the ground, for cor. of secs. 7, 8, 17, and 18, marked with 4 notches on S., and 5 notches on E. edges; and raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor. Pits impracticable.

Land, mountainous.

Soil, black loam, 1st rate.

Good grass for grazing.

Undergrowth, wild currant, choke-cherry, and oak.

Timber, pine.

Mountainous, or heavily timbered land, or land covered with dense undergrowth, 80.00 chs.

S. 89° 51' W., on a random line bet. secs. 7 and 18.

40.00 Set temp. 1/4 sec. cor.

97.20 Intersect the W. bdy. of Tp. at the cor. of secs. 7, 12, 13 and 18.

Thence I run

N. 89° 51' E., on a true line bet. secs. 7 and 18.

Ascend mountain, through wild currant bushes.

37.70 Top of divide mountain bet. Middle and Settlement Cañons, 3000 ft. above the valley, bears N. 15° W. and S. 15° E.

Descend E. slope of mountain.

41.85 A lone balsam, 12 ins. diam., on line. I mark with 2 notches on E. and W. sides.

57.00 Foot of descent, in flat swale, 500 ft. below ridge, bears N. and S.

57.20 Set a sand coated blue limestone,

Subdivision of T. 4 S. R. 3 W. — Continued.

Chains.	
	22 x 10 x 8 ins., 16 ins. in the ground, for 1/4 sec. cor., marked 1/4 on W. face, and raise a mound of stone, 2½ ft. base, 2½ ft. high, W. of cor. Pits impracticable.
	Ascend gradually.
62.50	Top of low ridge, 20 ft. above 1/4 sec. cor., bears N. 30° E. and S. 30° W.; descend.
68.00	Bottom of hollow, 200 ft. below ridge, course N. 10° E.; ascend.
69.00	Top of low ridge, 20 ft. above hollow, bears N. 10° E. and S. 10° W.
76.50	Bottom of Harker's Cañon, course N. A spring 8 ft. in diam., bears N.
82.00	Ridge, bears N. 25° E. and S. 25° W.; descend.
97.20	The cor. of secs. 7, 8, 17 and 18.
	Land, mountainous, ridges and ravines.
	Soil, loam; 1st rate.
	Good grass for grazing.
	Undergrowth, wild currant and bark.
	Mountainous land, or land covered with dense undergrowth, 97.20 chs.
	Aug. 21, 1896.

Aug. 22: At 8h. 0m. a.m., l. m. t., O. set off 4° 29' on the lat. arc; 11° 30' N. on the decl. arc; and determine a true meridian with the solar, at the corner of secs. 7, 8, 17, and 18.

Thence Dryn

S. 0° 1' W. bet. secs. 17 and 18.

Ascend mountain through dense under-growth.

12.00	Top of high divide ridge, 1500 ft. above Middle Cañon, bears N. 30° E. and S. 30° W.; descend.
40.00	Set a gray granite stone, 18 x 9 x 8 ins., 12 ins. in the ground, for 1/4 sec. cor., marked 1/4 on W. face; and raise a mound of stone, 2½ ft. base, 2½ ft.

Subdivision of T. 4 S., R. 3 W. – Continued.

high, W. of cor. Pits impracticable.
This cor. is on side of hill, facing S.E., 10 ft. above hollow, on S.
40.55 Bottom of hollow, course S. 80° E.; ascend.
47.20 Top of spur, 60 ft. above ¼ sec. cor., bears and slopes E.; descend.
59.00 A creek in bottom of hollow, course N. 80° E., 3 lks. wide, 4 ins. deep, gentle current, pure cold water; it flows from a snow bank, which bears S. 80° W. about 7.00 chs. dist.; ascend.
80.00 Set a limestone, 22×12×6 ins., 16 ins. in the ground, for the cor. of secs. 17, 18, 19 and 20, marked with 3 notches on S. and 6 notches on E. edges; and raise a mound of stone 2 ft. base, 2 ft. high, W. of cor. Pits impracticable.
This cor. is on side of hill, sloping N.W. 200 ft above creek.
Land, mountainous.
Soil, black loam and gravel, 1st and 3rd rate.
Good grass for grazing.
No timber.
Undergrowth, wild currant and hart.
Mountainous land, or land covered with dense undergrowth, 80.00 chs.

South 89° 51' W. on a random line bet. secs. 18 and 19.
40.00 Set temp. ¼ sec. cor.
96.75 Intersect W. bdy of Tp. 20 lks. S. of the cor. of secs. 13, 18, 19 and 24.
Thence Drain
North 89° 58' E. on a true line bet. secs. 18 and 19.
Ascend W. face of mountain, through dense undergrowth.
56.75 Set a lime stone 16×12×7 ins., 12 ins.

in the ground, for ¼ sec. cor. marked ¼ on N. face; and raise a mound of stone, 2 ft base, 2 ft. high, N. of cor. Oils impracticable.
Continue ascent.

70.00 Top of divide mountain bet. Middle and Settlement Cañons 1700 ft. above cañon, bears N. and S.

85.00 Bottom of Shingle Fork a branch of Middle Cañon, 900 ft. below divide ridge course N. 15° E.

96.75 The cor. of secs 17, 18, 19 and 20.
Land, mountainous.
Soil, gravelly and loam; 2nd rate.
Good grass for grazing.
No timber.
Undergrowth, wild currant and larb.
Mountainous land or land covered with dense undergrowth, 96.75 chs.
August 22. At this cor., I set off 11° 26' N., on the decl. arc; and at 0h 2m p. m., local mean time, observe the sun on the meridian; the resulting lat. is 40° 27' which is nearly the proper lat.

S. 0° 1' W., bet. secs. 19 and 20.
Ascend steep mountain.

10.00 Top of high ridge, 200 ft. above sec. cor. bears and slopes N. 30° E. and S. 30° W.; descend.

Subdivision of T. 4 S. R. 3 W. — Continued

Chains	
19.00	Center of broad swale 140 ft. below ridge, course N. E.
29.00	Top of divide ridge, bet. Shingle Fork and Settlement Cañon, 400 ft. above swale, bears S. 80° E. and N. 80° W.; descend.
40.00	Set a quartzite stone, 18 x 10 x 3 ins. 12 ins. in the ground, for ¼ sec. cor., marked ¼ on W. face; and raise a mound of stone, 2 ft. base, 2 ft. high, W. of cor. Pits impracticable.
48.00	Bottom of head of Settlement Cañon, 300 ft. below ridge, course S. 80° W.; ascend.
50.50	Enter pine timber, bears N. E. and S. W.
	Begin ascent.
62.00	Leave pine timber, bears E. and W.
67.70	I intersect the boundary of the Fort Crittenden Military Reservation at a point from which the ∠ cor. on said bdy. bears N. 24° E., 2.30 chs. from which the ½ mile cor. bet. the 24th and 25th mile cors. bears N. 11° E., 13.80 chs. dist.
	Set a limestone, 18 x 10 x 14 ins., 4 ins. in the ground, for closing cor. of fract. secs. 19 and 20, marked with 2 grooves on S., 3 grooves on E., and C. C. on N. face; and raise a mound of stone, 2½ ft. base, 2½ ft. high, W. of cor. Pits impracticable. This cor. is 30 lks. E. and 10 ft. below top of ridge.
	Land, high mountain ridges

Chains	
	and deep hollows.
	Soil, loam and gravelly; 2nd rate.
	Good grass for grazing.
	Timber, pine.
	Mountainous or heavily timbered land 67.70 chs.
	Aug 22, 1896.
	August 25: At 6h 57m a.m., l.m.t., I set off 40° 30' on the lat. arc; 10° 30' N. on the decl. arc, and determine a true meridian with the solar at the cor. of secs 4, 5, 32 and 33, on the N. bdy. of the Tp. described heretofore. Thence I run S. 0° 2' W., bet. secs. 4 and 5. Descend mountain through dense undergrowth.
7.50	Bottom of left hand fork of Middle Canon, 130 ft. below sec. cor., course S. 80° W.; ascend.
15.30	Wood road, bears N. 75° E. and S. 75° W.
34.30	Enter aspen timber, bears E. and W.
40.00	Set a quartzite stone, 14 x 10 x 6 ins., 9 ins. in the ground, for 1/4 sec. cor., marked 1/4 on W. face; from which
	An aspen, 5 ins. diam., bears S. 30° W. 15 lks. dist.; marked 1/4 S., B. T.
	An aspen, 6 ins. diam., bears S. 30° E., 30 lks. dist., marked 1/4 S., B. T.

[illegible] ridge [illegible] right and
left hand [illegible] Middle Canon
[illegible] left hand fork,
[illegible]
[illegible]
[illegible] below
[illegible] ascends
[illegible] clouds [illegible]
[illegible] the ground, [illegible]
[illegible] knocked
[illegible] and [illegible]
[illegible]
[illegible] of stone, 2 ½ ft. base
[illegible] high [illegible] Pito
[illegible] call.
[illegible] mountain ridge
[illegible]
[illegible] sand gravelly; [illegible]
[illegible]
[illegible]
[illegible]
[illegible] and
[illegible]
[illegible] timber
[illegible] land [illegible] with
[illegible]

[illegible] between [illegible]
[illegible] at the cor. of
[illegible]
[illegible]
[illegible]
[illegible] between [illegible]
[illegible]
[illegible]
[illegible] rocky hillsides [illegible]
[illegible]
[illegible] Middle Canyon [illegible]
[illegible]
[illegible]

	deep, rapid current, rocky bottom, course N. 35° W.
	Leave cañon; enter dense undergrowth of oak and service berry; ascend
27.59	Intersect N. bdy. of Wm. L. Stewart's ranch at a point, from which the 2 mile cor. on the said bdy., bears N. 65° 45' W. 2.16 chs. dist.
	Set a sandstone, 15 x 10 x 4 ins., 12 ins. in the ground, for closing cor. of fract. Secs. 5 and 8, marked with 5 grooves on S., and C.C. and 4 grooves on E. faces; and raise a mound of stone 2½ ft. base, 2 ft. high, E. of cor. Pits impracticable.
36.25	Top of ridge 170 ft. above cañon, bears S. 30° E., and N. 50° W.
40.00	Set a quartzite stone 18 x 10 x 6 ins., 10 ins. in the ground, for ¼ sec. cor., marked ¼ on N. face, and raise a mound of stone 3 ft. base, 2 ft. high, N. of cor. Pits impracticable.
42.50	Bottom of swale, 30 ft. below ridge, course S. 10° W.; ascend.
61.00	Top of long ridge, 200 ft. above ¼ sec. cor., bears S. 10° W., descend
72.50	Bottom of hollow, 120 ft. below ridge, course S.
74.50	Top of low ridge, bears N. and S.
76.00	Bottom of branch of Middle Cañon, 60 ft. below ridge, course S. 25° W.; ascend.
80.00	The cor. of secs. 4, 5, 8, and 9.
	Land, high mountainous ridges.
	Soil, gravelly, 2nd rate.
	Good grass for grazing.
	Undergrowth, oak and service berry.
	No timber.
	Mountainous land, or land covered with dense undergrowth, 80.00 chs.

Subdivision of T. 4 S., R. 3 W. — Continued

Chains	
	S. 0° 2' W., bet. secs. 8 and 9; ascend through oak brush.
7.50	Top of high ridge 150 ft. above cor., bears S. 70° W., and N. 70° E.; descend.
14.50	Bottom of hollow, 150 ft. below ridge, course S. 50° W.; ascend.
17.50	Top of low ridge, bears S. 70° W. and N. 70° E.; descend.
20.50	Enter aspen timber.
25.00	Foot of steep descent, enter bottom of Middle Cañon.
	Leave oak brush and aspen timber.
26.07	Intersect N. bdy. of Darley P. Hansen's ranch, at a point from which the ½ mile cor. on ranch bdy. bears S. 55° 48' E., 22.09 chs. dist.
	Set a sandstone 20 x 11 x 8 ins., 15 ins. in the ground, for closing cor. of fract. secs. 8 and 9, marked with P.P.H. on S. and C.C. on N. faces; from which
	An aspen, 6 ins. diam., bears N. 64° 15' E. 25 lks. dist., marked C.C. P.P.H., B.T.
	An aspen 5 ins. in diam., bears N. 33° E., 5 lks. dist., marked C.C. P.P.H., B.T.
	Thence across ranch.
27.75	Road in Middle Cañon bears N. 60° W., and S. 60° E.
29.50	Creek in Middle Cañon, 8 lks. wide 6 ins. deep, rapid current, rocky bottom, course with cañon.
32.11	Intersect S. bdy. of P.P. Hansen's ranch at a point from which the 3½ mile cor. on ranch bdy. bears N. 55° 48' W., 5.85 chs. dist.
	Set a sandstone 16 x 10 x 6 ins., 11 ins. in the ground, for closing cor. of fract. secs. 8 and 9, marked C.C. on S. and P.P.H. on N. faces, and raise a mound of stone 2 ft.

Subdivision of T. 4 S., R. 3 W. — continued

Chains	
	base, 2 ft. high S. of cor. Pits impracticable.
	Leave S. side of cañon, ascend through dense brush.
40.00	Set a limestone 18 X 10 X 8 ins., 13 ins. in the ground, for 1/4 sec. cor. marked 1/4 on W. face, and raise a mound of stone 2 ft. base, 2 ft. high, W. of cor. Pits impracticable.
62.00	Bottom of Shingle Fork, a branch of Middle Cañon, course N. 15° E.
	Spring branch, 5 lks. wide, course N. 15° E.
63.00	Road in Cañon, bears with Cañon.
74.00	P. P. Hansen's wood road bears N. E. and W.
80.00	Set a sandstone 20 X 10 X 7 ins, 16 ins. in the ground, for the cor. of secs. 8, 9, 16 and 17, marked with 4 notches on S., and 4 notches on E. edges, from which
	A pine 6 ins. diam., bears S. 29° E., 42 lks. dist. marked T. 4 S. R. 3 W. S. 16. B. T.
	A pine, 6 ins. diam bears S. 55° W., 36 lks. dist, marked T. 4 S. R. 3 W. S. 17 B. T.
	Land, mountainous.
	Soil, loam, and gravelly 1st and 3rd rate.
	Good grass for grazing.
	Timber, aspen.
	Undergrowth, oak and service-berry.
	Mountainous, or heavily timbered land covered with dense undergrowth, 80.00 chs.
	Aug. 25, 1896.

Aug. 26. At 7 h. 31 m. a. m. l. m. t. set off 40°29' on the lat. arc; 10°9' N. on the decl. arc, and determine a true meridian with the solar at the cor. of secs. 8, 9, 16, and 17.

Subdivision of T. 4 S., R. 3 W. — Continued

Chains	
	Thence Srun
	N., on a random line bet. secs. 7 and 17.
40.00	Set temp. 1/4 sec. cor.
80.22	Intersect N. and S. line, at the cor. of secs. 7, 8, 17 & 18.
	Thence Srun
	East on a true line bet. secs. 7 and 17.
	Over mountainous land; ascend
5.00	Top of ridge 200 ft. above sec. cor., bears N. 30° E., and S. 30° W.; descend
40.11	Set a limestone, 18 x 12 x 4 ins., 10 ins. in the ground, for 1/4 sec. cor., marked 1/4 on N. face; and raise a mound of stone 2 1/2 ft. base, 2 1/2 ft. high, N. of cor. Pits impracticable.
	This cor. is 300 ft. below top of ridge
69.00	Foot of descent, in Shingle Fork, bears N. and S.
69.10	Wood road leading to Tooele from head of cañon, bears N. 12° E. and S. 12° W.
71.20	Creek in bottom of Shingle Fork, the largest branch of Middle Cañon, 6 lks. wide, 0 ins. deep, rocky bottom, water clear and cold, course N. 13° E.
71.60	Begin ascent, bears N. and S.
76.40	Wood road leading from Shingle Fork to Bingham Cañon, bears N. 10° E. and S. 10° W.
80.22	The cor. of secs. 7, 9, 16 and 17.
	Land, mountainous. No timber.
	Soil, loam, and rocky; 1st and 4th rate.
	Good grass for grazing.
	Mountainous land, 80.22 chs.

	S. 0° 2' W. bet. sec. 16 and 17.
	Ascend through fine timber and dense undergrowth.
1.50	To top of spur, 40 ft. above cor., bears E. and W.; descend.

Subdivision of T. 4 S. R. 3 W. – Continued.

Chains	
3.50	Bottom of hollow, 80 ft. below ridge, course W.; ascend.
10.10	A pine 8 ins. in diam. on line, I mark with 2 notches on N. and S. sides.
14.00	Top of spur, 80 ft. above hollow, bears N. 30° W. and S. 30° E.; descend.
29.30	Drag road leading from top of mountain to bottom of Shingle Fork, bears N. 30° W. and S. 30° E., in bottom of hollow.
40.00	Set a blue limestone, 14 x 10 x 6 ins., 9 ins. in the ground, for ¼ sec. cor., marked ¼ on W. face, and raise a mound of stone, 2 ft. base, 2 ft. high, W. of cor. Pits impracticable.
41.45	Top of blue limestone ledge, 15 ft. high.
45.95	A pine 8 ins. in diam. on line, I mark with 2 notches on N. and S. sides.
47.00	Top of spur, 150 ft. above hollow, bears N. 40° W., and S. 40° E.
	Leave pine timber; descend.
74.50	Bottom of swale 300 ft. below ridge, course N. 40° W.; ascend
80.00	Set a blue limestone 18 x 8 x 6 ins., 9 ins. in the ground, for the cor of secs. 16, 17, 20, and 21, marked with 3 notches on S., and 4 notches on E. edges, and raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor. Pits impracticable.
	Sand, mountainous.
	Soil, loam and gravelly; 1st and 2nd rate.
	Good grass for grazing.
	Timber, pine; undergrowth, currant larb and wild rose.
	Mountainous, or heavily timbered land, or land covered with dense undergrowth.
	80.00 Chs. Aug. 26: At this cor. I set off 10° 4' W. on the decl. arc; and at 11h 57m a.m. lim. t., observe the sun on the meridian: the resulting lat. is 40° 38'

Subdivision of T. 4 S., R. 8 W. — Continued

Chains	
	West on a random line bet. secs. 17 and 20
40.00	Set temp. 1/4 sec. cor.
80.46	Intersect the N. and S. line 29 lks. S. of the cor. of secs. 17, 18, 19, and 20
	Thence I run
	S. 89° 48' E., on a true line bet. secs. 17 and 20
	Over mountainous land; ascend through dense undergrowth.
11.00	Top of ridge, 200 ft. above sec. cor. bears N. 40° E., and S. 40° W.; descend.
20.00	Bottom of hollow, 170 ft. below ridge, course N. 26° E.; ascend.
28.00	Top of ridge, 230 ft above hollow, bears N. 38° E. and S. 38° W.; descend.
34.00	Bottom of hollow, 195 ft. below ridge, course N. 00° E.; ascend.
	Enter pine timber.
37.80	Leave pine timber.
40.23	Set a blue limestone, 14 x 9 x 7 ins., 10 ins. in the ground, for 1/4 sec. cor., marked 1/4 on N. face, and raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor. Pits impracticable.
42.20	Top of ridge, 160 ft. above hollow, course N. 29° E.; descend.
47.90	Drag road in Shingle Fork, bears with cañon.
49.00	Spring branch in bottom of Shingle Fork, 200 ft. below ridge, 6 lks. wide, 5 ins. deep, rapid current, rocky bottom, course N. 10° E.
54.00	Top of small spur, 90 ft. above cañon, bears N. 20° W., and S. 20° E.
56.60	Swale, 40 ft. below ridge, course N. 30° W.; ascend.
80.46	The cor. of secs. 16, 17, 20, and 21.
	Land, mountainous.
	Soil, loam, and gravelly, 2nd and 3rd rate.
	Good grass for grazing.
	Timber, pine; undergrowth, bark, currant

Subdivision of T. 4 S., R. 3 W.—Continued.

and wild rose.
Mountainous, or heavily timbered land, or land covered with dense under growth 80.46 chs.

From the cor. of secs. 16, 17, 20, and 21, I run
S. 0° 2' W., bet secs. 20 and 21. Ascend over mountain.
10.00 Top of divide ridge, 130 ft. above sec. cor., bears N. 32° 45' E., and S. 32° 45' W.
10.44 Intersect bdy. of Fort Crittenden Military Reservation at a point S. 32° 45' W. 22.70 chs. from 23 mile cor. on said bdy.
Set a quartzite stone, 18 x 8 x 4 ins., 12 ins. in the ground for closing cor. of secs. 20 and 21, marked C. C. on N. 3 notches on S., and 4 notches on E. faces, and raise a mound of stone, 3 ft. base, 2½ ft. high.
N. of cor. Pits impracticable.
Land, mountainous.
Soil, gravelly; 3rd rate.
Good grass for grazing.
No timber.
Mountainous land 10.44 chs.

Thence, I run
East, on a true line bet. secs. 16 and 21.
3.00 Hollow, course N. 45° W.; ascend.
6.72 Intersect the Fort Crittenden Military Reservation bdy. at a point from which the 23rd mile cor. on said bdy. bears N. 32° 45' E. 12.41 chs. dist.
Set a quartzite stone, 18 x 8 x 4 ins. 12 ins. in the ground for closing cor. of secs. 16 and 21, marked C. C. on W. (grooves on S. and 4 on E.) faces, and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor. Pits impracticable.
Land, mountainous.
Soil, gravelly; 3rd rate.
Good grass for grazing.
No timber.
Mountainous land 6.72 chs.

From the cor. of secs. 3, 4, 33, and 34, on N. bdy. of Tp.

Subdivision of T. 4 S., R. 3 W. — Continued.

Chains.	
	heretofore described, I run
	S. 0° 2' W., bet. secs. 3 and 4, over mountainous land; ascend through dense undergrowth and scattering pine timber
13.25	Graded wagon road leading from Bingham to top of mountain, 300 ft. above sec. cor., bears E. and W.
38.00	Leave pine timber.
40.00	Set a sandstone, 15 x 10 x 6 ins., 11 ins. in the ground, for 1/4 sec. cor., marked 1/4 on W. face; and raise a mound of stone, 2 1/2 ft. base, 2 1/2 ft. high, W. of cor. Pits impracticable.
47.00	Top of divide ridge bet. Salt Lake and Tooele valleys, 1000 ft. above sec. cor., bears N. 20° W. and S. 20° E.; descend.
67.00	To J. P. Hansen's graded wood road leading from Shingle Fork to Bingham Cañon, bears N. 60° E. and S. 60° W. Enter aspen timber and scrub mahoganay.
80.00	Set a quartzite stone, 12 x 10 x 5 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
	In aspen, 7 ins. diam., bears N. 42° W. 4 lks. dist., marked T. 4 S., R. 3 W., S. 4 B. T.; and raise a mound of stone, 2 ft. base, 2 ft. high, W. of cor. Pits impracticable.
	No other trees are convenient to mark.
	Soil, loam and gravelly; 1st. and 3rd rate.
	Sand, mountainous.
	Good grass for grazing.
	Timber, pine and aspen.
	Undergrowth, lard, currant and rose.
	Mountainous, or heavily timbered land, or land covered with dense undergrowth, 80.00 chs.
	West, on a random line bet. secs. 4 and 9.
40.00	Set temp. 1/4 sec. cor.
80.20	Intersect N. and S. line, 40 lks. N. of the cor. of secs. 4, 5, 8, and 9.
	Thence I run

Chains.	
	N. 89° 43' E., on a true line bet. secs. 4 and 9.
	Ascend mountain through oak brush.
36.00	Top of high ridge 500 ft. above sec. cor., bears S. 10° E., and N. 10° W.; descend
39.00	Enter aspen and choke cherry.
40.10	Set a limestone 16 x 10 x 6 ins., 11 ins in the ground, for 1/4 sec. cor., marked 1/4 on N. face; from which An aspen 6 ins. diam., bears S. 10° W., 17 lks. dist., marked 1/4 S. B. T. An aspen, 6 ins. diam., bears N. 45° W., 23 lks. dist., marked 1/4 S. B. T.
45.60	Bottom of branch of Middle Canyon, 130 ft. below ridge, course S. 30° W.
61.80	Top of divide ridge bet. Middle and Butterfield Canyons, also divide between Salt Lake and Tooele Counties bears N. 10° W.
70.10	To U. P. Hansen's wood road, leading from Shingle Fork to Bingham Canyon, bears N. 10° E., and S. 10° W.
80.20	The cor. of secs. 3, 4, 9, and 10.
	Land, mountainous.
	Soil, loam and gravelly 1st and 3rd rate.
	Good grass for grazing.
	No timber; undergrowth, oak and choke-cherry.
	Mountainous land, or land covered with dense undergrowth, 80.20 chs.

	S. 0° 2' W. bet secs. 9 and 10.
	Descend mountain through dense undergrowth.
35.00	Bottom of hollow, 300 ft. below sec. cor., course S. 70° E., ascend.
40.00	Set a blue limestone 20 x 7 x 6 ins., 15 ins. in the ground, for 1/4 sec.

Chains	
	cor., marked ¼ on W. face; and raise a mound of stone, 2½ ft. base 2½ ft. high, W. of cor. Pits impracticable.
47.50	Top of low spur, bears S. 60° E., and N. 60° W.
52.50	Drag road and trail, leading from Butterfield to Middle Cañon, bears E. and W.
53.00	Bottom of head of Butterfield Cañon; course E.; ascend.
78.50	Foot of perpendicular white quartz ledge, 40 ft. high.
78.80	Top of divide ridge bet. Butterfield and Middle Cañons, bears N. 10° W. and S., thence along top of ridge.
80.00	Set a quartzite stone, 20 x 10 x 5 ins., 15 ins. in the ground, for the cor. of sec. 9, 10, 15 and 16, marked with 8 notches on E., and 4 notches on S. edge; and raise a mound of stone, 4 ft. base, 3 ft. high, W. of cor. Pits impracticable.
	Land, mountainous.
	Soil, loam, 1st rate.
	Good grass for grazing.
	No timber, undergrowth, oak and mahogany.
	Mountainous land, or land covered with dense undergrowth, 80.00 chs.
	Aug. 26, 1896.

Aug. 27: At 7h 1m a.m. l.m.t. I set off 40° 29' on the lat. arc, and 9° 48' Nor. the decl. arc; and determine a true meridian with the solar at the corner of sec. 9, 10, 15, and 16.

Thence I run

S. 80° 48' W., on a random line bet. secs. 9 and 16.

40.00	Set temp. ¼ sec. cor.

50.40 Intersect N. and S. line, 19 lks. N. of the cor. of secs. 8, 9, 16 and 17.
Thence I run
N. 89° 57' E., on a true line bet. secs. 9 and 16.
Over ridges and ravines, descend through dense undergrowth.

5.00 Bottom of swale, 120 ft. below cor., course N. 75° W.

19.30 Top of high divide ridge, 2000 ft. above Shingle Fork, bears N. 10° W., and S. 10° E.; descend.

25.46 A lone aspen, 14 ins. diam., on line, I mark with 2 notches on E. and W. sides.

37.90 To P. P. Hansen's wood road, bears N. 36° W. and S. 35° E.

40.20 Set a limestone 16 x 10 x 5 ins., 9 ins. in the ground, for 1/4 sec. cor., marked 1/4 on W. face, and raise a mound of stone, 2½ ft. base, 2½ ft. high, W. of cor. Pits impracticable.

40.79 Intersect S. bdy. of P. P. Hansen's ranch, at a point, from which the 2½ mile cor. on said bdy. bears S. 24° 26' E., 9.04 chs. dist.
Set a blue limestone 16 x 9 x 5 ins., 13 ins. in the ground, for the closing cor. to secs. 9 and 16, marked C.C. on W. end, P.P. H. on E. face; from which P. P. Hansen's house bears S. 43° E. 10 chs. dist.
An aspen, 6 ins. diam., bears S. 18° E., 35 lks. dist., marked T. 4 S., R. 3 W., S. 16, B.T., P.P. H., C.C.
An aspen 4 ins. diam., bears N. 40° W., 32 lks. dist., marked T. 4 S., R. 3 W., S. 9, B.T., P.P. H., C.C.

43.00 Spring branch in bottom of Middle Canon, 10 lks. wide, 6 ins. deep, rocky bottom, rapid current, course N. 20° W.

Chains	
	Thence across the ranch.
46.29	Intersect bdy. of P. P. Hansen's ranch, at a point from which the 1st mile cor. on said bdy., bears N. 24° 26' W., 11.70 chs. dist.
	Set a blue limestone 15 x 8 x 6 ins., 10 ins. in the ground for closing cor. of fract. secs. 9 and 16, marked C.C. on E., and P. P. H. on W. faces; and raise a mound of stone, 2 ft. base, 1½ ft. high E. of cor. Pits impracticable.
47.65	To P. P. Hansen's wood road, leading from Shingle Fork to Bingham meadow, bears N. and S.; ascend.
54.40	Top of spur, 200 ft. above ¼ sec. cor. bears N. 42° W. and S. 42° E.; descend.
65.80	To drag road, bears N. W. and S. E.
66.40	Bottom of hollow, 50 ft. below ridge, course N. W.; ascend.
77.00	Leave undergrowth.
80.40	The cor. of secs. 9, 10, 15 and 16.
	Land, mountain ridges and ravines.
	Soil, gravelly and loam; 2nd rate.
	Good grass for grazing.
	Timber, aspen; undergrowth, lait, currant, and wild rose.
	Mountainous, or heavily timbered land, or land covered with dense undergrowth 80.40 chs.

	S. 0° 2' W. bet. secs. 15 and 16.
	Along top of ridge, through dense undergrowth.
16.00	Begin descent. Leave ridge.
	Enter aspen timber.
21.20	Bottom of swale, 120 ft. below ridge, course W.
24.05	Drag road leading to wood road from top of mountain, course N. 70° E. and

Subdivision of T. 4 S., R. 3 W.—Continued.

Chains.	
	and S. 70° W., ascend gradually.
25.35	Leave aspen timber, bears E. and W.
25.55	Top of spur, bears E. and W., descends.
29.50	Enter aspen timber, bears E. and W.
36.75	Cross [illegible] road mentioned above, bears [illegible] E. and [illegible] W.
38.81	Intersect bdy. of [illegible] ranch, at angle cor. [illegible] from which the [illegible] cor. on said bdy. bears [illegible] W., [illegible] chs. dist.
	Set a [illegible] on the ground for closing cor. of fract. sec. [illegible] and [illegible] on [illegible] and [illegible] faces, and raise a mound of stone 2 ft. base, 2 ft. high [illegible] impracticable.
38.75	Bottom of [illegible] canon, bears [illegible] W., ascend.
40.00	Set a white [illegible] on the ground for a sec. cor. marked [illegible] on [illegible] faces, and raise a mound of stone 2 ft. base, [illegible] ft. high [illegible] impracticable.
43.[illegible]	Intersect bdy. of [illegible] ranch at a point from which the [illegible] cor. on said bdy. bears [illegible] W., [illegible] chs. dist.
	Set a sandstone, [illegible] on the ground, for closing cor. of fract. sec. 15 and 16, marked [illegible] on S. and W. [illegible] on [illegible] faces, and raise a mound of stone 2 ft. base, 2 ft. high [illegible] impracticable.
45.00	Enter pine timber.
[illegible]	Top of divide ridge [illegible] Middle and North Ranches.
	Intersect the bdy. of the Fort Griffin Military Reservation bdy. at a point from which the 22nd mile cor. on said bdy. bears S. 82° 30' E. [illegible] chs. dist.
	Set a quartzite stone 20 x 10 x 6 ins. [illegible]

ins. in the ground, for closing cor. of frac. secs. 15 and 16, marked with C.C. on N., 3 grooves on S. and E. faces; and raise a mound of stone, 4 ft. base, 4 ft. high, N. of cor. Pits impracticable.
Land, mountainous.
Soil, loam and gravelly; 1st and 2nd rate.
Good grass for grazing.
Timber, pine and aspen; undergrowth, larkand oak brush.
Mountainous or heavily timbered land or land covered with dense undergrowth.
67.07 chs.

From the cor. of secs. 2, 3, 34 and 35, on the N. bdy. of Tp., described heretofore
I run
S. 0° 3' W., bet. secs. 2 and 3.
Over mountainous land, through oak brush
3.50 Foot of steep descent; leave oak brush.
4.00 Cross enclosed tramway of the South Galena mine and hoisting works, bears N. E., and S. W.
5.00 Cross enclosed tramway of same mine
0.75 Cross tramway bears N. E. and S. W.
The South Galena hoisting works bears N. 100 lks. dist.
7.50 Cross the bottom of Bingham Canon, course N. E. Enter dense undergrowth.
Ascend along bottom of Pine or Porcupine Gulch, course N.
21.50 Cross spring branch in Pine Gulch, 2 lks. wide, clear water, gravelly bottom rapid current, course N. 6° E., leave bottom of gulch, ascend.
30.00 Enter aspen timber.
40.00 Set a quartzite stone, 18 x 7 x 4 ins., 14 ins. in the ground, for 1/4 sec. cor.,

Subdivision of T. 4 S., R. 3 W. — Continued

Chains	
	marked, ¼ on W. face; from which An aspen, 5 ins. diam., bears N. 25° E., 15 lks. dist., marked ¼ S., T. T.
	An aspen, 5 ins. diam., bears N. 75° W., 20 lks. dist., marked ¼ S., T. T.
41.50	Grade wagon road, leading from Bingham to the lefthand fork of Middle Cañon, bears E and W.
43.00	Top of divide ridge, bet. Bingham and Butterfield Cañons, 1000 ft. above sec. cor. bears E. and W.; descend S. slope of mountain.
55.00	Bottom of small hollow, course S. E.; ascend.
57.00	Top of ridge, bears S. 10° E., and N. 10° W.; descend.
80.00	Set a quartzite stone, 16 X 9 X 5 ins., 11 ins. in the ground, for the cor. of secs. 2, 3, 10, and 11, marked with 5 notches on S., and 2 notches on E. edges, dig pits, 18 X 18 X 12 ins., in each sec. 5½ ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, W. of cor.,
	Land, mountainous ridges and ravines.
	Soil, black loam; 1st rate.
	Good grass for grazing.
	Timber, aspen; undergrowth, oak.
	Mountainous, or heavily timbered lands, or land covered with dense undergrowth, 80.00 chs.
	Aug. 27, 1896.

Aug. 28. The sky is overcast, and solar observations are impossible. West on a random line bet. secs. 3 and 10.

40.00 Set temp. ¼ sec. cor.

Subdivision of T. 4 S., R. 3 W. — Continued

Chains	
80.24	Intersect N. and S. line at the cor of secs. 3, 4, 9, and 10.
	Thence S. run
	East on a true line bet. secs. 3 and 10.
	Descend over mountain through dense oak brush.
9.00	Bottom of hollow 150 ft. below sec. cor., course S. 40° E.; ascend.
11.50	Spur of low ridge, bears N. and S.; descend.
14.50	Bottom of hollow, 30 ft. below ridge; course S. 10° E.; ascend.
20.25	Top of spur 140 ft. above hollow, bears S. 10° E., and N. 10° W.
22.50	Bottom of swale, 60 ft. below ridge, course S. 10° E.
33.40	Top of high ridge, 300 ft. above hollow, bears S. 30° E., and N. 30° W.; descend.
40.12	Set a white quartz stone 14 x 5 x 5 ins. 9 ins in the ground, for 1/4 sec. cor., marked 1/4 on N. face; and raise a mound of stone 2 ft. base, 2 ft. high N. of cor. Pits impracticable.
46.25	Bottom of right hand fork of Butterfield Cañon, 400 ft. below ridge. Spring drain, 6 lks. wide, 4 ins. deep, rapid current, rocky bottom, course S. 18° E.; ascend.
66.50	Top of spur, 300 ft. above cañon, bears S. 30° E., and N. 30° W.
76.50	Branch of right hand fork of Butterfield Cañon, 200 ft. below ridge, course S. 17° E.
80.24	The cor of secs. 2, 3, 10, and 11.
	Land, mountain ridges and ravines.
	Soil gravelly; 2nd rate.
	Good grass for grazing.
	No timber, under growth, oak.
	Mountainous land, or hard covered with dense under growth. 80.24 chs.

Subdivision of T. 4 S., R. 3 W. — Continued.

Chains	
	S. 0° 3' W., bet. Secs. 10 and 11. Over ridges and ravines; descend through oak brush.
6.30	Bottom of ravine, 75 ft. below sec. cor. course S. 30° E.
15.00	Top of long ridge, 150 ft. above hollow, bears S. 40° E., and N. 40° W.
20.55	Bottom of right hand fork of Butterfield Cañon, 150 ft. below ridge. Spring branch, 4 lks. wide, 8 ins. deep, rapid current, course S. 40° E.; ascend.
30.25	Top of spur, 25 ft. above cañon, bears S. 60° E., and N. 60° W.; descend.
40.00	Set a quartzite stone, 16 X 12 X 6 ins., 12 ins. in the ground, for 1/4 sec. cor., marked 1/4 on W. face; and raise a mound of stone, 3 ft. base, 3 ft. high, W. of cor. Pits impracticable.
43.00	Spring branch in bottom of Butterfield Cañon, course E., 3 lks wide 6 ins. deep; ascend.
60.00	Top of ridge, bet. left hand fork and Butterfield Cañon, 300 ft. above main cañon, bears N. 50° E., and S. 50° W.
74.50	Bottom of swale, 175 ft. below ridge, course N. 60° E.; ascend.
80.00	Set a quartz stone, 20 X 14 X 8 ins., 15 ins. in the ground, for the cor. of secs. 10, 11, 14 and 15; marked with 4 notches on S., and 2 notches on E. edges; from which
	A maple, 4 ins. diam., bears N. 50° E., 20 lks. dist., marked T. 4 S., R. 3 W., S. 11, B. T.
	An oak, 5 ins. diam., bears S. 5° E., 25 lks. dist., marked T. 4 S., R. 3 W., S. 14, B. T.
	A maple 4 ins. diam., bears S. 55° W., 10 lks. dist., marked T. 4 S., R. 3 W., S. 15, B. T.

Subdivision of T. 4 S., R. 3 W.—Con

Chains	
	A maple, 4 ins. diam., bears N. 30° W., 10 lks. dist., marked T. 4 S. R. 3 W., S. 10, B. T.
	Sand, ridges and hollows.
	Soil; loam, and gravelly; 1st and 3rd rate.
	Good grass for grazing; Timber; scattering maple and oak; Dense undergrowth, oak, rose bushes, and bark.
	Mountainous land, or land covered with dense undergrowth 60.00 chs.
	Aug. 28; At this cor., I set off 9° 21' E., on the decl. arc; and at 12 h. 2 m. l. m. t., observe the sun on the meridian; the resulting lat. is 40° 29' which is about 1' 30" greater than the proper lat.
	Thence I run
	West on a random line bet. secs. 10 and 15.
40.00	Set temp. 1/4 sec. cor.
79.90	Intersect N. and S. line, at the cor. of secs. 9, 10, 15, and 16.
	Thence I run
	E. on a true line, bet. secs. 10 and 15.
	Over ridges and hollows; descend through dense underbrush.
9.00	Bottom of hollow, 200 ft. below ridge, course S. 25° E.
	Enter pine timber, bears N. and S.; ascend.
10.00	Top of spur, 40 ft. above hollow, bears N. 25° W., and S. 25° E.
10.50	Bottom of swale, course S. E. ascend
22.00	Leave pine timber, bears N. W. and S. E.
22.60	Top of spur, 250 ft. above hollow, bears N. W. and S. E.; descend gradually.
39.95	Set a white quartzite stone 14 x 10 x 5 ins.

Subdivision of T. 4 S., R. 3 W. – Continued.

	9 ins. in the ground, for ¼ sec. cor., marked ¼ on N. face; and raise a mound of stone, 2 ft. base, 2 ft. high N. of cor. Pits impracticable.
	This cor. is on side of hill, sloping S. E.
79.90	The cor. of secs. 10, 11, 14, and 15.
	Land, mountainous ridges and ravines.
	Soil, loam; 1st rate.
	Good grass for grazing.
	Timber pine; undergrowth, oak and larb.
	Mountainous, or heavily timbered land, or land covered with dense undergrowth, 79.90 chs.
	Aug. 29: At 8h 1m a. m. l. m. t. I set off 40°29' on the lat. arc; 9°3' N. on the decl. arc; and determine a true meridian at the cor. of secs. 10, 11, 14, and 15.
	Thence I run
	S. 0°3' W., bet. secs. 14 and 15; over mountainous land.
	Descend through maple saplings.
9.00	Spring branch, 2 lks. wide, 2 ins. deep, gentle current, in branch of Butterfield Cañon, 200 ft. below sec. cor., course N. 80° E.
9.80	Drag road, leading from Butterfield Cañon to Middle Cañon, bears N. 80° E., and S. 80° W.; begin ascent.
10.75	Spur, 20 ft. above cañon bears E. and W.; descend.
16.50	Foot of descent, edge of flat in Bear Fork.
17.50	Leave maple saplings, bears E. and W.; descend gradually.
25.25	Branch, 4 lks. wide, 2 ins. deep, gentle current; course N. 35° E. in bottom of Bear Fork Cañon; ascend.
30.00	Top of small edge; bears N. 30° E. and S. 30° W.
	Enter aspen saplings; bears E. and W.
30.75	Leave aspen saplings.
39.90	Bottom of Branch Cañon, a fork of Butterfield Cañon, course N. 30° E.; ascend.
40.00	Set a quartz stone, 22 x 12 x 6 ins., 16 ins. in the ground, for ¼ sec. cor., marked ¼ on W. face; and raise a mound of stone 2½ ft. base, 2 ft. high, W. of cor. Pits impracticable.
43.60	A lone pine, 10 ins. diam., on line I mark with 2 notches on N. and S. sides.
45.50	A small spring of standing water on line.

Subdivision of T. 4 S., R. 3 W. Continued.

Chains	
	Ascend through sage brush.
62.50	Spur, 300 ft. above hollow, bears N. 47° W. and S. 47° E.
69.00	Enter aspen timber, bears E. and W.
	Leave sage brush.
76.00	Swale, 60 ft. below ridge, course W.
78.00	Leave aspen timber, bears E. and W.
80.00	Set a quartzite stone, 16 x 9 x 6 ins., 11 ins. in the ground for cor. of secs. 14, 15, 22, and 23, marked with 2 notches on E. and 3 notches on S. edges; and raise a mound of stone, 2 ft. base 1½ ft. high, W. of cor. Pits impracticable.
	Land, mountainous.
	Soil, loam and gravelly; 2nd and 3rd rate.
	Good grass for grazing.
	Timber, aspen; undergrowth, maple and sage.
	Mountainous land, or heavily timbered land or land covered with dense undergrowth 80.00 chs.
	Knowing the line W. bet. secs. 15 and 22 will intersect the bdy. of Fort Crittenden Military Reservation in less than a mile, I run West on a true line bet. secs. 15 and 22, descend
40.00	Set a sandstone, 14 x 10 x 8 ins., 9 ins. in the ground for sec. cor., marked ¼ on N. face; and raise a mound of stone 2 ft. base 1½ ft. high, N. of cor. Pits impracticable.
42.00	Head of Bear Fork, course N. E.; ascend.
59.64	Intersect Fort Crittenden Military reservation at a point N. 35° W. 3.66 chs. from angle cor. which is N. 63° 15' W. 15.30 chs. from 21½ mile cor. on Reservation bdy.
	Set a granite stone, 15 x 9 x 7 ins., 10 ins. in ground for closing cor. of secs. 15 and 22, marked with C C 3 grooves on E. and 3 grooves on S. faces; and raise a mound of stone, 2 ft. base, 1½ ft. high, E. of cor. Pits impracticable.
	Land, mountainous.
	Soil, loam and gravel; 2nd and 3rd rate.
	Good grass for grazing. No timber.
	Mountainous land 59.64 chs.
	S. 0° 3' W. bet. secs. 22 and 23 from cor. of secs. 14, 15, 22 & 23.
	Ascend mountain.
3.40	Intersect bdy. of Fort Crittenden Military Reservation

at a point from which the 21st mile cor. bears S. 37°30' W. 15.00 chs. dist. Set a granite stone, 22 x 10 x 6 ins., 18 ins. in the ground for closing cor. of secs. 22 and 23, marked with C.C. on N. face, 2 grooves on E. and 3 grooves on S. faces; and raise a mound of stone, 3 ft. base, 2 ft. high, N. of cor. Pits impracticable.
Land, mountainous.
Soil, loam, and gravelly; 2nd and 3rd rate.
Good grass for grazing.
Mountainous land, 3.40 chs.

At being but a short distance to the reservation bdy. I run East, bet. secs. 14 and 23, from cor. of secs. 14, 15, 22, and 23.
2.61 Intersect Fort Crittenden Military Reservation bdy. at point from which the 21st mile cor. on bdy. bears S. 37°30' W. 15.09 chs. dist.
Set a quartzite stone, 14 x 10 x 4 ins. 9 ins. in the ground, for closing cor. of secs. 14 and 23, marked with 3 grooves on S. face, and C.C. on W. face; and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor. Pits impracticable.
Land, mountainous.
Soil, loam mixed with gravel; 2nd and 3rd rate.
Good grass for grazing. No timber.
Mountainous land 2.61 chs.

From cor. of secs. 1, 2, 35 and 36 on N. bdy. of Tp. described heretofore run S. 0°4' W., bet. secs. 1 and 2, descend mountain through oak brush.
4.75 Wash in Bear Flat, 100 ft. wide 30 ft. deep, with a spring drain, in bottom, course N. 23° W.; ascend.
13.00 A miner's rock and log cabin, bears 60 lks. E.
17.00 A spring bears 2.30 chs. E., course E. The water from this spring is used in the Greek placers mine.
18.90 Wagon road, bears S. 50° W., and N. 50° E.
20.50 Bottom of swale, course N. 45° E.
24.00 Spur, 30 ft. above sec. cor., bears N. 70° E. and S. 70° W.
29.50 Hollow, 50 ft. below ridge, course N. 45° E.
30.25 Wagon road, bears N. 45° E., and S. 45° W.
37.50 Top of divide ridge, bet. Butterfield Canon and Bear Gulch of Bingham Canon, bears E. and W. There is a wood road on ridge.
40.00 Set a limestone, 16 x 10 x 6 ins., 9 ins. in the ground, for ¼ sec. cor. marked ¼ on W. face; and raise a mound of stone, 3 ft. base, 3 ft. high, W. of cor. Pits impracticable. From this cor. U.S. Mineral Monument No. 6, in sec. 2, bears N. 81°10' W., 51.50 chs. dist.
It is on the divide ridge bet. Bear Gulch of Bingham Canon,

	and Black Jack Gulch of Butterfield Canyon.
49.00	Swale, course S. E.; ascend.
56.00	Ridge, 100 ft. above hollow; bears S. 10° E. and N. 10° W.; descend.
76.75	To old wagon road, bears S. E. and N. W.
80.00	Set a quartz stone, 13 x 10 x 7 ins., 10 ins. in the ground, for cor. of secs. 1, 2, 11, and 12, marked with 5 notches on S. and 1 notch on E. edge; and raise a mound of stones, 3½ ft. base, 3 ft. high, W. of cor. Pits impracticable. This cor. is on side of hill, sloping S. Land, mountainous ridges and ravines. Soil, loam and gravelly; 1st. and 3rd rate. Good grass for grazing. No timber; undergrowth, oak. Mountainous land; a land covered with dense undergrowth, 80.00 ch. Aug. 29: At this cor. I set off 9° N. on the decl. arc; and at 11h 39m a.m. I omit. observe the sun on the mer. line; the resulting lat. is 40° 29'.
	West, on a random line; bet. secs. 2 and 11.
40.00	Set temp. ¼ sec. cor.
79.80	Intersect N. and S. lines, at the cor. of secs. 2, 3, 10 and 11. Thence I run
	East, on a true line bet. secs. 2 and 11.
	Over high ridges; ascend through oak brush.
10.00	Top of spur, 130 ft. above sec. cor., bears S. 45° E. and N. 45° W.; descend.
21.10	Bottom of hollow, 80 ft. below ridge, course S. 45° E.; ascend.
30.00	Top of spur, 200 ft. above hollow, bears S. 20° E. and N. 20° W.; descend.
34.25	Bottom of hollow, 80 ft. below ridge, course S. 15° E.; ascend.
39.90	Set a granite stone, 14 x 10 x 4 ins., 9 ins. in the ground, for ¼ sec. cor., marked ¼ on N. face; and raise a mound of stones, 3 ft. base, 3 ft. high, N. of cor. Pits impracticable.
41.00	Top of spur, 20 ft. above cor., bears S. 20° E. and N. 20° W.; descend.
45.50	Swale, 75 ft. below ridge, course S. 20° E.; ascend.
52.00	Top of spur, 100 ft. above swale; bears

Subdivision of T. 4 S., R. 3 W. — continued

Chains	
	S. 20° E., and N. 20° W.; descend.
66.30	To winding wagon road, leading to mines from valley.
71.10	Spring branch in bottom of Black Jack canon, 3 lks. wide, 3 ins. deep, rapid current, good water, course S. 20° E.
79.80	The cor. of secs. 1, 2, 11, and 12.
	Land, mountainous.
	Soil, gravelly, 2nd rate.
	Good grass for grazing.
	No timber; undergrowth, oak.
	Mountainous land, or land covered with dense undergrowth, 79.80 chs.
	Aug. 29, 1896.

Aug. 31: At 7 h. 31 m. a. m., l. m. t., I set off 40° 29' on the lat. arc, 8° 22' N., on the decl. arc; and determined a true meridian with the polar at the cor. of secs. 1, 2, 11 and 12. Thence I run

	East on a random line, bet. secs. 1 and 12
40.00	Set temp. 1/4 sec. cor.
79.60	Intersect E. bdy. of the Tp. 10 lks. S. of the cor. of secs. 1, 6, 7, and 12.
	Thence I run
	S. 89° 56' W., on a true line bet. secs. 1 and 12.
	From this cor. a U. S. mineral monument No. 15 in Sec. 12, bears S. 53° 55' W. 16.35 chs. dist.
	Over ridges and hollows, descend through oak brush.
9.90	Bottom of hollow, 100 ft. below sec. cor., course S. 30° E.; ascend.
16.60	Top of ridge 200 ft. above hollow, bears S. 30° E. and N. 30° W.
23.25	Bottom of hollow, 140 ft. below ridge, course S. 20° E.; ascend.
39.80	Set a gray granite stone, 24 x 12 x 6 ins., 15 ins. in ground for 1/4 sec. cor., marked 1/4 on N. face;

Subdivision of T. 4 S., R. 3 W.—Continued.

Chains	
	and raise a mound of stone, 2 ft base 1½ ft. high, N. of cor. Pits impracticable.
65.35	Top of spur, 250 ft. above hollow, bears S. 10° E., and N. 10° W.; descend.
76.00	Bottom of hollow, 90 ft. below ridge, course S.; ascend.
79.60	The cor. of secs. 1, 2, 11, and 12.
	Sand, high mountain ridges.
	Soil, gravelly, 2nd rate. Good grass for grazing.
	No timber; undergrowth, oak and brush.
	Mountainous land, or land covered with dense undergrowth 79.60
	S. 0° 4' W., bet. secs. 11 and 12.
	Over mountain ridges and ravines; descend through oak brush.
5.75	Spring branch in bottom of small cañon, 3 lks. wide, 4 ins. deep, clear water, gentle current, course S. E.; ascend.
10.00	Top of spur, 100 ft. above hollow, bears S. 70° E., and N. 70° W.; descend.
11.85	Wagon road, bears S. 30° E., and N. 30° W.
17.00	Bottom of hollow, 100 ft. below ridge, course S. 20° E.; ascend.
17.75	A sheet iron aqueduct, carrying water to the Butterfield Milling Company's works, on top of spur, bears S. 50° E., and N. 50° W.; descend.
24.15	Bottom of hollow, 120 ft. below ridge course S. 50° E.; ascend.
29.50	Top of spur, 100 ft. above hollow, bears S. 45° E., and N. 45° W.
40.00	Set a quartz stone, 14 x 10 x 8 ins., 9 ins. in the ground, for ¼ sec. cor., marked ¼ on W. face; and raise a mound of stone, 2 ft. base, 2 ft. high, W. of cor. Pits impracticable.
	This cor. is on hill sloping S. about 80 ft. above cañon.
43.00	Wagon road in Butterfield Cañon, bears E. and W.
43.50	To creek in Butterfield Cañon, 8 lks.

Subdivision of T. 4 S., R. 3 W. — Continued.

wide, 3 ins. deep, rapid current, rocky bottom, good water, course E.

44.00 Begin ascent, bears E and W.

58.10 Top of spur, 100 ft. above cañon, bears N.E. and S.W.

77.58 To old wagon road, bears N. 30 E., and S. 30° W.

78.00 Spring branch in bottom of cañon, 4 lks. wide, 4 ins. deep, water clear and cold, rapid current, rocky bottom, course N. 30° E.; ascend.

80.00 Set a white quartz stone, 14x10x7 ins., 9 ins. in the ground, for the cor. of secs. 11, 12, 13, and 14., and raise a mound of stone, 2 ft. base, 2 ft. high, W. of cor. Pits impracticable.

This cor. is on W. slope of hill, about 15 ft. above the creek in cañon.

Land, mountainous.

Soil, loam and gravelly, 1st and 2nd rate.

Good grass for grazing.

No timber; undergrowth; oak and maple.

Mountainous land, or land covered with dense undergrowth. 80.00 chs.

Aug. 31: At this cor. I set off 8° 16' N. on the decl. arc; and at 0h 3m p. m., limit observe the sun on the meredian; the resulting lat. is 40° 28'.

West on a random line, bet. secs. 11 and 14.

40.00 Set temp. 1/4 sec. cor.

79.70 Intersect N. and S. line, 15 lks. N. of the cor. of secs. 10, 11, 14, and 15.

Thence I run

N. 89° 54' E., on a true line, bet. secs. 11 and 14.

Over mountain ridges and ravines; descend through oak brush.

5.50 Branch in left hand fork of

Chains	
	Butterfield Cañon, course N.; 2 lks. wide.
16.75	Top of ridge; 220 ft. above cañon, bears N. and S.
20.00	Bottom Branch cañon, 70 ft. below ridge, course N. 5° E.; ascend.
26.25	Top of spur, bears N. 10 E., and S. 10° W. Descend steep slope.
39.85	Set a limestone, 10 x 5 x 6 ins., 12 ins. in the ground, for 1/4 sec. cor.; marked 1/4 on N. face; from which A maple, 5 ins. diam., bears S. 70° W., 25 lks. dist., marked 1/4 S., B. T. An oak, 4 ins. diam., bears N. 70° W., 12 lks. dist., marked 1/4 S., B. T.
43.00	Bottom of Branch Cañon, 60 ft. below cor., course N. 15° E.
48.00	Cross ledge of quartzite stone, 30 ft. high
50.00	Top of spur, bears N. 15° E. and S. 15° W.; descend.
52.10	To perpendicular cliff of quartzite stone, 20 ft. high.
59.00	Bottom of hollow, course N.; ascend.
63.00	Top of spur, 120 ft. above hollow, bears N. 20° E. and S. 20° W.
77.00	Bottom of cañon, 250 ft. below ridge, course N. 5° E. Branch 4 lks. wide 3 ins. deep.
79.70	The cor. of secs. 11, 12, 13, and 14. Land, mountain ridges and hollows. Soil, loam and gravelly, [illegible] and rate. Good grass for grazing. No timber; undergrowth, oak and maple. Mountainous land, or land covered with dense undergrowth, 79.70 chs. Aug. 31, 1896.

Sept. 1st The sky is overcast, and solar observations are impossible. N. 89° 56' E., on a random line bet.

Chains	secs. 12 and 13.
40.00	Set temp. ¼ sec. cor.
79.88	Intersect E. bdy of Tp. 25 lks. S of the cor. of secs. 7, 12, 13, and 18, which is a granite stone, 10 X 8 X 6 ins above ground, marked and witnessed as described by the surveyor general.
	Thence I run
	S. 89° 45' W., on a true line bet. secs. 12 and 13.
	Over mountainous ridges and ravines.
	Ascend through oak brush.
7.38	Top of ridge, 100 ft. above cor., bears N. and S.; descend.
14.13	Bottom of swale, 80 ft. below ridge; course N. 10° W.
23.48	Ridge, 400 ft. above hollow, bears N. 10° W and S. 10° E.; descend.
39.94	Set a granite stone, 20 X 8 X 6 ins., 15 ins in the ground, for ¼ sec. cor., marked ¼ on N. face; and raise a mound of stone, 3 ft. base, 3 ft. high, N. of cor. Pits impracticable.
	This cor. is on side of hill sloping N.
48.38	Bottom of hollow, 200 ft. below ridge; course N. 15° E.; ascend.
60.35	Spur, bears and slopes N.; descend.
79.88	The cor. of secs. 11, 12, 13, and 14.
	Land, mountain ridges and hollows.
	Soil, loam and gravelly; 1st and 3rd rate.
	Good grass for grazing.
	No timber; undergrowth, oak.
	Mountainous land, or land covered with dense undergrowth, 79.88 chs.

	S. 0° 4' W., bet. secs. 13 and 14
	Ascend along the bottom of cañon, through dense undergrowth.
5.00	Creek 3 lks wide in cañon, course N. 3° W.
40.00	Set a volcanic rock, 16 X 8 X 10 ins., 10 ins. in the ground, for ¼ sec. cor., marked ¼ on W. face; and raise a mound of stone, 2½ ft. base, 2 ft. high, W. of cor. Pits

Subdivision of T. 4 S., R. 3 W.—Continued.

Chains	
	impracticable.
50.00	Begin steep ascent of ridge at head of canon.
64.30	Top of divide ridge bet. Butterfield and North Cañons, bears N. 50° W. and S. 50° E.
	Intersect the boundary of Fort Cuttenden Military Reservation, at a point from which the ½ mile cor. bet. the 19th and 20th mile cors. on said bdy., bears N. 43° W. 3.39 chs. dist.
	Set a blue limestone, 14 x 9 x 6 ins., 10 ins. in the ground, for closing cor. of fracl. secs. 13 and 1[illegible] marked with C.C. on N., 3 grooves on S., and 1 groove on E. faces; and raise a mound of stone, 2½ ft. base, 2 ft. high, N. of cor. Pits impracticable.
	Land, mountainous.
	Soil, black loam, 1st. rate.
	Good grass for grazing.
	No timber; undergrowth, oak, rose, choke-cherry and service-berry.
	Mountainous land, or land covered with dense undergrowth, 64.30 chs.
	September 1: At this cor. I set off 7° 54' on the decl. arc; and at 0h 8m p.m., l.m.t. observe the sun on the meridian; the resulting lat. is 40° 28'.
	From the closing cor. where the line bet. secs. 13 and 24 intersects the Fort Cuttenden Military Reservation Bdy., I run
	N. 89° 45' E., on a random line bet. secs. 13 and 24.
66.64	Intersect the E. bdy. of Tp., at point 2.24 chs. N. of the cor. of secs. 13, 18, 19 and 24, which is a sandstone, 5 x 10 x 6 ins. above ground, firmly set, and marked and witnessed as described by the surveyor general.
	From this cor. I run
	West, on a true line, bet. secs. 13 and 24.
	Over mountainous land; descend.
11.00	Bottom of cañon, course E.

Chains	
	Thence along bottom of canon.
27.50	Leave canon; ascend mountain.
40.00	Set a grey granite stone, 20x10x8 ins., 15 ins. in the ground, for ¼ sec. cor., marked ¼ on N. face; and raise a mound of stone, 2½ ft. base, 2½ ft. high, N. of cor. Pits impracticable.
52.50	Top of high ridge 350 ft. above canon, bears N. E., and S. W.; descend.
56.20	Intersect the Fort Crittenden Military Reservation bdy.; at a point from which the closing cor. bet. secs. 13 and 24, bears N. 67° W. 6.25 chs. dist.
	Set a quartzite stone, 18x9x8 ins., 12 ins. in the ground, for closing cor. of fracl. secs. 13 and 24, marked with 3 grooves on S., and 1 groove and C.C. on E. faces; and raise a mound of stone, 2½ ft. base, 2 ft. high, E. of cor. Pits impracticable.
	Land, mountainous ridges and ravines.
	Soil, loam and gravelly, 1st and 3rd rate.
	Good grass for grazing.
	No timber; undergrowth, oak.
	Mountainous land, or land covered with dense undergrowth, 56.20 chs.
	Sept. 1, 1896.

General Description.

This fractional township contains a variety of mountainous land, ranging from canon bottoms to mountain peaks, and the soil ranges from rock beds to rich loam.

The soil in the flat hollows, on the benches, and in Middle, Settlement, North, and Butterfield Canons is generally rich black loam capable of producing crops without irrigation, and the remaining portion of the township, except the high mountain peaks and the rock beds above mentioned, is loam

mixed with gravel, and can nearly all be classed as 2nd rate.
There is an abundant growth of rich and nutritious grasses, well adapted for grazing on the entire township.
The land in Ophir, Middle, North, and Butterfield Cañons is watered from springs in those cañons.
Large bands of horses, herds of cattle and flocks of sheep are now ranging on this township.
The greater part of the timber has been cut and hauled away, however there are many scattering groves of pine and aspen timber, mainly on the N. slopes of the high ridges still remaining.
Where the timber has been cut, in most cases new groves are starting.
James Stewart who made D. E. No. 2622, sold his claim to William J. Stewart who has a private land claim in Middle Cañon, in secs. 5, 6, and 8. Parley P. Hansen has a private land claim in secs. 8, 9, and 16.
James James has a private land claim in secs. 19, and 30 of this Tp. and sec. 24 T. 4 S., R. 4 W.
All three of these gentlemen occupy their respective claims as ranches.
John Marsden who made D. E. No. 2634 has abandoned his claim. He had no improvements.
In secs. 1, 2, and 3, near the heads of Bear Gulch, Bingham Cañon, and Carr Fork there are a number of settlers who are engaged in mining.
Secs. 1, 2, 3, 4, 10, 11 and 12 are mineral lands.
There is a dense undergrowth of oak, larl, service-berry, and choke-cherry all over the township.
The U. S. Mineral Monuments in Tps. 3 and 4 S., R. 3 W., are in the West Mountain Mining District. The monuments in this District, not mentioned in the field notes of Tps. 3 and 4 S. R. 3 W. I was unable to find, and believe they are obliterated.

Andrew J. Stewart Jr. U. S. Dep. Surv.

Retracement of East bdy. of T. 4 S., R. 3 W.

Chains.	Note. On account of not closing within the prescribed limits in sec. 24, T. 4 S., R. 3 W., I retrace the E. bdy. of said sec. as follows:
	From the cor. of secs. 13, 18, 19, and 24 heretofore described, I run
	South, on a retracement bet. secs. 19 and 24.
40.00	The ¼ sec. cor., which is a limestone, 6 x 10 x 9 ins. above ground, marked and witnessed as described by the surveyor general.
63.44	The closing cor. where the line bet. secs. 19 and 24 intersects the Fort Crittenden Military Reservation bdy., which is a sandstone, 5 x 11 x 9 ins. above ground, marked and witnessed as described by the surveyor general.
	This falling shows my connections to be within limits.
	Andrew J. Stewart Jr. U. S. Dep. Surv.

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Boundary of P. L. C. T. 4 S., R. 3 W.

Claims Meanders of James James private land claim.
James James, having duly presented
this claim and proofs of 20 years ad-
verse possession of a tract of land in
sec. 24, T. 4 S., R. 4 W., and sec. 19
and 30, T. 4 S., R. 3 W.; therefore in
accordance with special instruct-
ions, I proceed to locate and mean-
der the claims as follows;
Begin at a point 20.98 chs. N., and
13.06 chs. W. from the cor. of secs.
19, 24, 25 and 30 on W. bdy. of Tp. 4 S.,
R. 3 W. I set a sandstone 24 x 12 x 4
ins., 18 ins. in the ground, for
beginning cor. of James James's
private land claim, marked J. J.
Beg. Cor. on N. E. face; and raise
a mound of stone, 2½ ft. base, 1½
ft. high, N. E. of cor.; from which
A balsam, 5 ins. diam., bears
S. 85° E., 88 lks. dist., marked
J. J. Beg. cor., T. 4 S., R. 4 W., B. T.
A balsam, 8 ins. diam., bears
N. 57° E., 13 lks. dist., marked
J. J. Beg. Cor. T. 4 S., R. 4 W., B. T.
August 15: At 6 h. 39 m. a. m., l. m. t. set
off 40° 27' on the lat. arc; 13° 49' N. on the
decl. arc; and determine a true meridian
with the solar at the above described cor.
Thence I run with meanders in sec. 24.
Over mountainous land through
dense undergrowth, descend.
North 11.50 chs At 3.00 chs., foot of descent;
enter flat in Rocky Canon,
course N. 50° W. At 5.00 chs.
wagon road leading from
head of Canon to Tooele City,
bears N. W. and S. E. At 11.50
chs., set a sandstone, 18 x 10
x 5 ins., 12 ins. in the ground,
for angle cor., marked L

J. J. on S. E. face; and raise a mound of stone, 2½ ft. base, 2 ft. high, S. E. of cor. Pits impracticable.

S. 30°15' E., 67.37 chs. At 18.14 chs. line bet. secs. 19 and 24, at point 38.24 chs. S. from the cor. of secs. 13, 18, 19 and 24. Thence in Sec. 19, T. 4 S. R. 3 W. At 28.50 chs., set a limestone, 24 X 12 X 4 ins., 18 ins. in the ground for first ½ mile cor., marked J. J. ½ M. on S. face; and raise a mound of stone, 2½ ft. base 1½ ft. high, S. of cor. Pits impracticable. At 38.00 chs., top of ridge, bears S. W. and N. E.; descend. At 43.00 chs., bottom of hollow, course S. W.; ascend. At 52.16 chs. line bet. secs. 19 and 30 at a point 26.16 chs. S. 89°59' E. from cor. of secs. 19 and 30, on W. bdy. of Tp. Thence in sec. 30. At 62.00 chs., a red pine, 24 ins. diam., on line, I mark with 2 notches on N. W. and S. E. sides. At 67.37 chs. set a sandstone, 20 X 12 X 4 ins. 15 ins. in the ground for ∠ cor. marked ∠ J. J. on S. face; and raise a mound of stone, 2½ ft. base 2 ft. high, S. of cor. Pits impracticable.

S. 45°45' E. 1.13 chs. Set a sandstone, 16 X 10 X 8 ins., 11 ins. in the ground for 1 mile cor., marked ∠ J. J. 1 M. on S. face; and raise a mound of stone, 2 ft. base 1½ ft. high, S. of cor. Pits impracticable.

Land, mountainous.
Soil, loam and gravel; 1st and 2nd rate.
Good grass for grazing.
Timber, scattering pine and aspen.
Undergrowth, oak, sage, wild gooseberry and wild currant.
Mountainous or heavily timbered land, or land covered with dense undergrowth, 80.00 chs.

Boundary of P. L. & T. 4 S., R. 3 W. - Continued.

Thence in sec. 30, over mountainous land
S. 45°45' E., 48.87 chs. At 14.50 chs., edge rock slide,
At 16.50 chs., leave rock slide.
At 40.00 chs. set a quartzite stone 18 11X5 ins. 12 ins. in the ground, for ½ mile cor. bet 1st and 2nd miles on claim bdy., marked J.J. ½ M. on S. face; and raise a mound of stone, 2½ ft. base, 2 ft. high S. of cor. Pits impracticable.
At 48.87 chs. set a quartzite stone, 20X12X6 ins. 15 ins. in the ground for angle cor. marked ∠ J.J. on S. face, from which
An aspen 6 ins. diam., bears S. 22° W., 15 lks. dist. marked ∠ J.J., T. 4 S. R. 3 W., B.T.
An aspen 4 ins. diam., bears N. 67° W., 23 lks. dist., marked ∠ J.J.T. 4 S., R 3 W. B T.
S. 34°40' E. 19.93 chs. At 19.93 chs., set a quartzite stone 18X10X10 ins., 12 ins. in the ground for ∠ cor., marked ∠ J.J. on S.W. face; and raise a mound of stone, 2 ft. base 2 ft. high S.W. of cor. Pits impracticable
South, 11.20 chs. At 11.20 chs., set a limestone, 25X12X4 ins., 18 ins. in the ground, for 2 Mile cor., marked J.J. 2 M. on W. face; and raise a mound of stone, 4 ft. base, 4 ft. high, W. of cor. Pits impracticable
Land mountainous.
Soil, black loam in hollows, gravelly on ridges, 1st and 2nd rate
Good grass for grazing
No timber; undergrowth oak and sage.
Mountainous land, or land covered with dense undergrowth, 80.00 chs

Thence continue in Sec. 30
Over mountainous land.

South 1.09 chs. Set a limestone, 24x12x6 ins., 18 ins. in the ground, for angle cor., marked < J.J. on N.W. face; and raise a mound of stone, 3 ft. base 2½ ft. high N.W. of cor. Pits impracticable

N. 50° 30' W. 37.57 chs. At 22.50 chs., finale course N. 70° E. At 37.57 chs., Set a quartzite stone, 20x12x6 ins., 16 ins. in the ground for angle cor. marked < J.J. on N.E. face; and raise a mound of stone, 3 ft. base, 2 ft. high N.E. of cor.
Pits impracticable

N. 35° W. 40.00 chs. At 1.34 chs. set a quartzite stone, 14x10x6 ins., 9 ins. in the ground for 2½ mile cor. on Claim bdy., marked J.J. ½ M. on N.E. face; and raise a mound of stone, 2 ft. base 1½ ft. high N.E. of cor.
Pits impracticable

At 9.00 chs., bottom of finale course N. 20° W.

At 12.25 chs., enter scattering Pine timber, bears N. and S.

At 12.50 chs., edge of rock slide,

At 14.00 chs., leave ~~rock~~ slide

At 36.00 chs. leave scattering timber.

At 40.00 A quartzite stone 18x12x4 ins., 12 ins., in the ground, which I marked < J.J. on N.E. face

Boundary of P. L. C. T. 4 S. R 3 W. continued.

and raise a mound of stone 2½ ft. base 1½ ft. high N. E. of cor. Pits impracticable. Thence I run

N. 53° W. 134 chs. Set a quartzite stone 17X10X4 ins. 11 ins in the ground for 3 mile cor. on claim bdy., marked T J 3 M. on N. E. face and raise a mound of stone, 2 ft. base, 1½ ft. high N. E. of cor. Pits impracticable

Land, mountainous.

Soil, black loam and rocky; 1st and 4th rate

Good grass for graging

Timber, Scattering pine

Undergrowth, larb, oak and wild currant

Mountainous land or land covered with dense undergrowth, 8000 chs.

Thence continue in sec. 30.

Over mountainous land

N. 83° W. 26. 31 chs. At 26. 31 chs. Set a quartzite stone 18X9X3 ins., 16 ins. in the ground, for angle cor. marked L. J. J. on the N. E. face; and raise a mound of stone 2½ ft. base, 1½ ft high N. E of cor. Pits impracticable. Line bet. secs. 19 and 30, 11. 01 chs. S. 89° 59' E. from cor. of secs. 19 and 30 on W. bdy. of Tp. Thence in sec 19 N. 54° W 13. 61 chs.

Set a quartzite stone 17X12X10 ins, 12 ins in the ground for angle and closing cor., marked C. C. L. J. J. on N. face, and raise a mound of stone 2 ft. base, 1½ ft. high N. W. of Cor. Pits impracticable, from which the cor. of secs. 24, 25, 19 and 30 bears S 8.00 chs. dist.

An aspen 4 ins. diam. bears N. 55° E. 20 lks. dist. marked L. J. J. T. 4 S. R. 3 W., B. T.

An aspen 5 ins. diam. bears N. 23° 30' W. 33 lks. dist. marked L. J. J. T. 4 S. R. 4 W. B. T.

N. 46° 11' W. 19.66 chs. At 0.08 chs. Set a quartzite stone 18 X 8 X 4 ins. 12 ins. in the ground for 3½ mile cor. marked J. J. ½ M. on N. E. face

from which:

A red pine, 6 ins. diam. bears N. 21° 30' W. 90 lks. dist. marked J. J. ½ M. T. 4 S. R. 3 W. B. T.

A balsam 7 ins. diam., bears N. 46° 30' E., 60 lks. dist. marked J. J. ½ M. T. 4 S. R. 3 W. B. T.

At 8.30 chs. drag Road bears N. 20° W. and S. 20° E. At 19.66 chs. the beginning cor. of James James private land claim

Land mountainous

Soil, loam and gravel; 1st and 2nd rate.

Good grass for grazing.

Timber, scattering pine, balsam and aspen.

Undergrowth, oak and sage.

Mountainous land or land covered with dense under growth 3-9, 5-8 chs.

August 20, 1896.

Total area of claim 150.81 acres

General Description

James James private land claim is situated in the head of a branch of Settlement Canon, and extends in a northwesterly and South Easterly direction, occupying nearly all of the bottom of what is called "Rock Gulch" for about 1½ miles in length. The land is mostly canon bottom, and the soil is generally rocky, however there is some rich loam and as a whole would be classed as 3rd rate. The claim is mostly in secs. 19 and 30 T. 4 S. R. 3 W. but the claimants house where he is living is in Sec. 24 T. 4 S. R. 4 W.

The land is covered with a luxuriant growth quick and nutritious grasses and the claim is used mostly as a ranch for pasturing cattle, sheep and horses.

The side lines of the claim run along the sides of the canon leaving all the bottom land in the claim. There is a limited amount of pine and aspen timber on the claim.

Andrew J. Stewart Jr. U. S. Dep. Sur.

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See book M-244 page 206 for correction of errors

Boundary of P.L.C., T. 4 S., R. 3 W.

Meanders of W. G. Stewart's private land claim.
Wm. G. Stewart, having duly presented his claim and proofs, of 20 years adverse possession of a tract of land in secs. 5, 6, and 8, T. 4 S., R. 3 W., I proceed, according to special instructions, to locate and meander the claim as follows:
At a point 14.06 chs. N. and 13.32 chs. W. from the ¼ sec. cor. bet. secs. 8 and 9 in T. 4 S., R. 3 W., I set a quartzite stone, 30 x 7 x 5 ins., 20 ins. in the ground, for beginning cor., marked W. G. S., Beg. cor. on N. face; and raise a mound of stone, 2½ ft. base, 1½ ft. high, N. of cor. Pits impracticable.
August 20: At 7h 0m a.m., l.m.t., I set off 40°28' on the lat. arc.; 12°12' N. on the decl. arc; and determine a true meridian with the solar at the above described cor.
Thence I run with meanders in sec. 8. Over mountainous land sloping to N., through oak and service berry undergrowth and scattering pine timber.
N. 68°45' W. 80.00 chs. At 5.00 chs., hollow, course N. W.
At 35.00 chs., canon course N. W.
At 40.00 chs. set a sandstone, 16 x 9 x 4 ins., 10 ins. in the ground, for ½ mile cor. on claim bdy., marked W. G. S. ½ M. on N. E. face, and raise a mound of stone, 2½ ft. base 1½ ft high, N. E. of cor.; from which
A fir, 12 ins. diam., bears N. 85° E., 55 lks. dist., marked W. G. S. ½ M., B. T.
A fir, 10 ins. diam., bears N. 20° W., 40 lks. dist., marked W. G. S., ½ M. B. T. At 70.06 chs., spring branch 4 lks. wide, 4 ins. deep, rocky bottom, rapid current, cold water,

course N. At 71.35 chs. leave sec. 8 thence in sec. 6, At 80.00 chs. set a sand-coated limestone, 18 X 10 X 5 ins., 12 ins. in the ground, for one mile cor., marked, W. G. S. 1 M. on N. E. face; and raise a mound of stone, 3 ft. base, 2 ft. high, N. E. of cor. Pits impracticable.

Land, mountainous ridges and hollows.
Soil, loam and gravelly; 1st and 2nd rate.
Good grass for grazing.
Timber, scattering pine and aspen.
Undergrowth, oak, choke-cherry and service-berry.
Mountainous land, or land covered with dense undergrowth, 80.00 chs.

Thence continue in sec. 6.
Over mountainous land, through dense undergrowth, of oak, choke-cherry and service-berry.

N. 68° 45' W. 19.00 chs. At 19.00 chs., set a grey limestone, 24 X 16 X 9 ins. 18 ins. in the ground, for angle cor., marked ∠ W. G. S. on N. E. face; and raise a mound of stone, 3 ft. base, 2 ft. high, N. E. of cor. Pits impracticable.

N. 21° 15' E. 10.00 chs. Enter Bottom of Middle Cañon. At 9.90 chs., wagon road leading from Bingham City to Tooele City through mountains, bears S. E. and N. W. At 10.00 chs., set a grey limestone, 18 X 12 X 8 ins., 12 ins. in the ground, for N. W. ∠ angle cor., marked ∠ W. G. S.

Boundary of P.S.C., T.4S., R.3 W.- Continued.

on S.E. face; and raise a mound of stone 3 ft. base 2½ ft. high, S.E. of cor. Pits impracticable. Leave bottom of canon, course N.W.

S.68°45' E. 51.00 chs. At 0.75 chs., spring branch 8 lks. wide, 5 ins. deep. rocky bottom, rapid current, in bottom of canon, course N.W. At 3.00 chs., leave canon, ascend. At 11.00 chs., set a sandstone, 16 x 12 x 6 ins., 10 ins. in the ground, for 1½ mile cor.; marked W.G.S. ½ M. on S.W. face; and raise a mound of stone, 2½ ft. base, 2 ft. high S.W. of cor. Pits impracticable. At 23.36 chs., leave sec. 6, thence in sec. 5. At 51.00 chs., set a quartzite stone, 30 x 14 x 8 ins., 22 ins. in the ground, for the two mile cor., marked W.G.S., 2 M. on S.W. face; and raise a mound of stone 2½ ft. base, 1½ ft. high S.W. of cor. Pits impracticable.

Land, mountainous ridges and hollows.
Soil, loam and gravelly; 1st and 2nd rate.
Good grass for grazing.
No timber; undergrowth, oak, choke-cherry and service berry.
Mountainous land, or land covered with dense undergrowth, 80.00 chs. 80 ch.

Thence in sec. 5
Over mountainous land.
S.68°45' E. 48.00 chs. At 2.16 chs. leave sec. 5.

Boundary of P.S.C., T.4S., R.3W.—Continued.

Thence in sec. 8. At 18.50 chs., Gulch, course S. At 40.00 chs. set a quartzite stone, 18×4×7 ins., 12 ins. in the ground for 2½ mile cor., marked W.G.S. ½ M. on S.W. face, and raise a mound of stone 3 ft. base, 2 ft. high, S.W. of cor. Pits impracticable. At 44.00 chs. Gulch drains S. At 48.00 chs. set a quartzite stone, 16×8×6 ins., 9 ins. in the ground, for angle cor., and N.E. cor. of claim, marked ∠ W.G.S. on S.W. face; and raise a mound of stone, 3 ft. base, 2 ft. high, S.W. of cor. Pits impracticable.

S. 21°15' W. 10.00 chs. At 4.00 chs., road in bottom of Middle Cañon, bears N. 68°45' W., and S. 68°45' E. At 5.40 chs. spring branch, 6 lks. wide, 6 ins. deep, rocky bottom, rapid current, cold water, course N. 68°45' W., At 10.00 chs., intersect beginning cor. of Wm. G. Stewart's private land claim.

Land, mountainous.
Soil, loam and gravelly, 1st. and 2nd rate.
Good grass for grazing.
Undergrowth, oak, choke-cherry and service-berry.
No timber.
Mountainous land, or land covered with dense undergrowth, 58.00 chs.

Total area of claim 9.00 acres

General Description.

Wm. G. Stewart's private land claim consists of all the available land in Middle Cañon, for about 1¼ miles in length in secs. 5, 6, and 8. About 30 acres has been cultivated as a farm and lucern, and irrigated from Middle Canon creek. There is an abundant growth of good grasses on the claim, and it is well adapted for a farm and dairy. The claim is occupied as a ranch at present. The soil in the canon is dark sandy loam, 1st rate, the ridges are gravelly 3rd rate. There is a dense undergrowth of oak service-berry and choke cherry on about 2/3 of the claim.

Andrew J. Stewart Jr. U.S. Dep. Surv.

Meanders of Parley P. Hansen's private land claim
Parley P. Hansen, having duly presented his claim and proofs of 20 years adverse possession, of a tract of land in secs. 8, 9 and 16, T.4S., R.3W., I proceed in accordance with special instructions to locate and meander the claim as follows:
At a point 2.44 chs. N.21°15' E. from the beg. cor. of Wm. G. Stewart's claim, which point is also 16.34 chs. N. and 12.44 chs. W. from the ¼ sec. cor. bet. secs. 8 and 9 in T.4S., R.3W., I mark a quartzite ledge, 2x4x6 ft. above ground marked with a (X) at the exact cor. point, and P.P.H. Beg. cor. on N.E. face for beginning cor., and raise a mound of stone, 2 ft. base, 2 ft. high, N.E. of cor. Pits impracticable.
August 24: At 8h 2m a.m. l.m.t., I set off 40°29' on the lat. arc; 10°49' N. on the decl. arc, and determine a true meridian with the solar at the above described cor.
Thence I run with meanders in sec. 8.
Along E. bdy. of Wm. G. Stewart's P.S.C., through dense undergrowth.

N.21°15' E. 5.12 chs. At 3.00 chs. creek in Middle canon, course N.68°45' W. At 5.12 chs. set a quartzite stone, 20x10x8 ins., 15 ins. in the ground for angle cor. on claim bdy., marked L P.P.H. on S.W. face; and raise a mound of stone, 2½ ft. base, 1½ ft. high, S.W. of cor. Pits impracticable.

S.58°48' E. 30.77 chs. At 6.00 chs. foot of hill, enter flat in Shingle fork. At 12.79 chs. line bet. secs. 8 and 9 at a point 13.93 chs. N.0°2' E. from ¼ sec. cor.
Thence in sec. 9. At 14.55 chs., begin ascent. At 18.75 chs., top of spur of ridge, 40 ft. above canon, bears N. At 22.15 chs. bottom of dry hollow, 30 ft. below ridge, course W. Enter pine and aspen timber At 24.88 chs., set a red pine post 3 ins. diam. for ½ mile cor.,

Boundary of P.S.C., T.4S., R.3W.—Continued

marked P.P.H.½M. from which A red pine 3 ins. diam., bears E. 5 lks. dist., marked P.P.H.½M.B.T. and raise a mound of stone, 2 ft base 1½ ft. high, W. of cor. At 50.77 chs. set a sandstone, 17x9x7 ins., 10 ins in the ground, for angle cor. on claim bdy., marked ∠ P.P.H. on W. face; and raise a mound of stone, 2½ ft. base 2 ft. high, W. of cor. Pits impracticable.

S.24°26'E. 24.11 chs. At 1.10 ch., bottom of Swamp Hollow, course W.; ascend over ridges and ravines. At 24.11 chs., set a sandstone, 24x12x8 ins., 16 ins in the ground, for one mile cor. on claim bdy., marked P.P.H. 1M. on W. face; from which An aspen, 3 ins., diam., bears S. 30¼° E., 4 lks. dist. marked P.P.H.1M., T.4S., R.3W.B.T. A maple, 4 ins. diam., bears N. 35° E., 10 lks. dist., marked P.P. H.1M. T.4S., R.3W., B.T.

Land, rolling and broken.
Soil, loam and gravel; 2nd rate.
Good grass for grazing.
Timber, pine and aspen; undergrowth oak, maple, and service-berry.
Mountainous, or heavily timbered land or land covered with dense undergrowth, 80.00 chs.

Thence continue in sec. 9.
Over mountainous land, through dense undergrowth.

S.24°26'E. 27.95 chs. At 11.70 chs. Intersect line bet. secs. 9 and 16 at a point N. 89°51'E. 46.29 chs. from the cor.

of secs. 8, 9, 16 and 17. Thence in sec. 16. At 16.30 chs. P. P. Hansen's wood road, bears N. 10° E. and S. 10° W. At 27.95 chs. Set a sandstone, 18 x 8 x 7 ins. 10 ins. in the ground, for angle cor. on claim bdy., marked P. P. H. ∠ on W. face, and raise a mound of stone, 2½ ft. base, 2 ft. high. W. of cor. Pits impracticable.

S. 50° 48' E., 34.83 chs. At 12.05 chs. Set a quartzite stone, 16 x 10 x 6 ins., 9 ins. in the ground, for 2½ mile cor. on claim bdy. marked ½ M. P. P. H. on W. face, and raise a mound of stone, 2 ft. base, 2 ft. high W. of cor. Pits impracticable.

At 34.83 chs. Set a limestone, 17 x 8 x 7 ins. 12 ins. in the ground, for angle cor., marked ∠ P. P. H. on S. W. face; and raise a mound of stone 2 ft. base, 1½ ft. high S. W. of cor. Pits impracticable. This is also closing cor. on line bet. secs. 15 and 16.

S. 0° 02' W. 6.45 chs. Along line bet. secs. 15 and 16. At 2.04 chs. bottom of head of Middle Canon, course N. 51° W. At 3.13 chs. the ¼ sec. cor. bet. secs. 15 and 16, already described. At 6.45 chs. end of course. Set a limestone, 18 x 14 x 12 ins., 12 ins. in the ground for angle cor., marked P. P. H. on N. W. face; and raise a mound of stone, 2 ft. base 1½ ft. high, N. W. of cor. Pits impracticable.

N. 30° 48' W. 10.77 chs. At 9.27 chs. top of ridge, bears N. and S. At 10.77 chs. Set a sand-

Boundary of P.L.C.T. 4 S., R. 3 W.—Continued

stone, 18 X 10 X 6 ins. 12 ins. in the ground for 2 mile cor., marked ½ M. P. P. St. on N. E. face; and raise a mound of stone, 2½ ft. base, 2 ft. high, N. E. of cor. Pits impracticable.

Land, mountainous.
Soil, loam and gravel, 1st and 2nd rate.
Good grass for grazing.
Timber, scattering pine and aspen.
Undergrowth, oak choke-cherry and service-berry.
Mountainous land, or land covered with dense undergrowth 80.00 chs.

Thence continue in sec. 16. Over mountainous land, and through dense undergrowth.
N. 30°48' W. 29.33 chs. At 29.33 chs. Set a sandstone 16 X 9 X 6 ins., 11 ins. in the ground, for angle cor., marked ∠ P. P. St. on E. face; and raise a mound of stone, 2 ft. base, 2 ft. high, E. of cor. Pits impracticable.
N. 24°26' W. 30.67 chs. At 10.67 chs. Set a limestone, 16 X 10 X 7 ins. 11 ins. in the ground, for 2½ mile cor., marked ½ M. P. P. St. on E. face; and raise a mound of stone, 3 ft. base, 2 ft. high, E. of cor. Pits impracticable. P. P. Hansen's house bears N. 66°15' E. 3.00 chs. dist. At 14.87 chs. P. P. Hansen's road, bears N. 70° W. and S. 70° E. At 19.73 chs. leave sec. 16. Thence in sec. 9. At 30.67 chs. Set a limestone, 20 X 12 X 6 ins. 14 ins. in the ground, for 3rd mile cor., marked 3 M. P. P. St. on E. face; and raise a mound of stone, 3 ft. base 2 ft. high, E. of cor. Pits impracticable.

Boundary of P. L. C. T. 4 S., R. 3 W. – Continued.

Land, mountainous.
Soil, loam and gravelly, 1st and 2nd rate.
Good grass for grazing.
Timber, scattering pine and aspen.
Undergrowth, oak, maple, and service-berry.
Mountainous land, or land covered with dense undergrowth, 80.00 chs. 80-W

Thence continue in sec. 9, Over mountain, Through oak and service-berry undergrowth, and pine and aspen timber.

N. 24°26' W., 1.15 chs. At 1.15 chs. Set a limestone 16X10X7 ins., 11 ins. in the ground for angle cor., marked ∠ P. O. M. on E. face; and raise a mound of stone, 3 ft. base, 2 ft. high, E. of cor. Pits impracticable.

N. 55°48' W. 48.04 chs. At 29.00 chs, road in Shingle Fork, bears N. 10° W. and S. 10° E. At 29.34 chs. creek 6 lks. wide 4 ins. deep, in Shingle Fork, course N. 10° W. At 33.00 chs. line bet. secs. 8 and 9, at a point 7.89 chs. N. 0°2' E. from the ¼ sec. cor. bet. secs. 8 and 9. Thence in sec. 8. At 38.85 chs. Set a quartzite stone, 16X9X6 ins., 11 ins. in the ground for 3½ mile cor., marked ½ M. P. O. M. on N. face; and raise a mound of stone, 3 ft. base, 2 ft. high, N. of cor. Pits impracticable. At 48.04 chs the beginning cor. of claim.

Land, mountainous.
Soil, loam and gravelly; 1st and 2nd rate.
Good grass for grazing.
Timber, scattering pine and aspen. 49-19 W

Boundary of P. L. C., T. 4 S. R. 3 W. Concluded

Undergrowth, oak, maple and service berry.
Mountainous land, or land covered with dense undergrowth 49.19 chs.
Total area of Claim 69.88 acres. August 24th 1896

General Description.

Parley P. Hansen's private land claim embraces all of the available land in the bottom of Middle canon in secs. 8, 9, and 16, from Wm. G. Stewart's claim about 1 3/4 miles southeasterly.

This claim is used as a ranch, however the claimant raises a few vegetables for his own use.

It is well watered as a pasture, and has an abundant growth of rich grasses.

There is a limited amount of pine and aspen timber on the claim.

The claim is covered with a dense growth of oak, larb, and service berry undergrowth.

In the bottom of the canon the soil is black loam, 1st rate, on the ridges it is gravelly, 3rd rate.

The claim is an excellent location for a ranch and dairy. The canon is very narrow and steep, and very little of the land can be cultivated.

The claimant has two log houses in sec 16, where he now lives.

Andrew J. Stewart Jr.
U. S. Dep. Sur.

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

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

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

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

.....

owing the respective capacities in which they acted:

....., *Chainman.*

....., *Chainman.*

....., *Moundman.*

....., *Moundman.*

....., *Axman.*

....., *Axman.*

....., *Flagman.*

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted .....

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

se parts or portions of the .....

.....

.....

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

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

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

al for .....

....., *Chainman.*

....., *Chainman.*

....., *Moundman.*

....., *Moundman.*

....., *Axman.*

....., *Axman.*

....., *Flagman.*

.....

ibed and sworn to before me this .....

y of ....., 189

SEAL

.....

.....

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

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

_____

_____

_____

_____ of the _____
_____ meridian, in the _____ of _____, which are represented i
foregoing field notes as having been surveyed by me, and under my direction; and I do further sole
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 s
the penalty of perjury under the provisions of an Act of Congress approved August 8, 1846.

_____
United States Deputy Surv

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

_____

SEAL

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, March 21st, 189

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

executed by Andrew J Stewart Jr.
under his contract No. 203, dated December 17th, 1895, having b
critically examined, and the necessary corrections and explanations made, the said field notes, and
surveys they describe, are hereby approved.

Jacob B Bla
United States Surveyor Gen

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

_____
United States Surveyor Gen

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4—679.

BOOK A-248

FIELD NOTES

OF THE SURVEY OF

North boundary of T 22 S.
R. 2½ W.

Of the Salt Lake Base & Meridian,

State of Utah

AS SURVEYED BY

John T. Breckon, United States Deputy Surveyor,

nder his Contract No. 205, dated January 4, 1896

rvey commenced October 15, 1896

rvey completed October 16, 1896

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N- Bdry - high - M. Cho. Ck. 3-31-80 ✓
Closings - 10-42 ✓

BOOK A-248

Names and Duties of Assistants.

Joshua Gardner Chairman

Chris. Sorensen Chairman

Chas Thomson Axeman

A. J. Perry Axeman

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BOOK A-248

INDEX DIAGRAM.

Township 22 S., *Range* 2½ W.

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VOLUME

OF

R0248

6—15

Preliminary Oaths of Assistants.

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

..... *Chainman.*

..... *Chainman.*

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

SEAL

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

..... *Moundman.*

..... *Moundman.*

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

SEAL

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

..... *Axman.*

..... *Axman.*

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

SEAL

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

..... *Flagman.*

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

SEAL

6—151

North boundary of T. 22 S. R. 2½ W.

Survey Commenced October 15 - 1896.
and executed with a Gurley mountain transit with solar attachment.
I examine the adjustments of the transit and correct the level & collimation errors; then to test the solar apparatus by comparing its indications, resulting from solar observations made during A.M. & P.M. hours with a true meridian determined by observations on Polaris, I proceed as follows;
October 15. At the cor. to Sec's 21 & 22 S. R's 2 & 2½ W. Lat = 38°.56' N. Longitude 112°.07' W. at 4h 55m = P.M. l.m.t. I set off 38°.56' from the lat. arc; 8°.54 S. on the decl. arc; determine with the solar a true meridian, and mark a point thereof on a stone set firmly in the ground 5.00 chs N. of the Cor.
At 11h 40m P.M. l.m.t. I observe Polaris at its upper culmination, in accordance with manual of instructions, and mark a point on the line thus determined on the stone already set 5.00 chs. N. of my station; this mark falls 0.4 ins east of the mark determined by the solar.

October 15 - 1896.

October 16 - At 7h 20m A.M. l.m.t. I set off 38°.56' from the lat. arc; 9°.06' S. on the decl. arc; and mark a point in the true meridian determined with the solar, by a cross on the stone already set 5.00 chs. N. of my station, this mark falls 0.3 ins. east of the true meridian established by the Polaris observation.
The solar apparatus by P.M. & A.M. observations, defines positions for true meridians respectively about 0.21" west & 0.16" east of the true meridian established by the Polaris observations, therefore I conclude the adjustments of the instrument are satisfactory

North boundary of T. 22 S. R. 2½ W. continued

Chains.	
	The magnetic bearing of the true meridian at 7h 30m a.m. is N 16° 03' W. the angle thus determined, reduced by the table, page 105, gives the mean Mag. decl. 16° E.
	I begin at the cor. to Secs. 21 & 22 S. R. 2½ W. which I established August 31-1896
	thence I run
	West bet. Secs. 1 & 36. on a true line.
	Enter scattering cedars & pines, descend
2.00	Gulch, course S.E. leave cedars enter spruce timber, ascend
20.00	Leave timber, enter scrub cedars & pines.
21.00	Top of ridge, bears N.W. & S.E. descend
31.00	Gulch, course S.W. ascend
35.00	Point of ridge 60 ft. high, bears S.W. descend
38.50	Gulch, course S.W. ascend
40.00	Point of ridge 50 ft. high, bears S. Set a sandstone 18×16×5 ins., 12 ins. in the ground for 1/4 Sec. Cor. marked 1/4 on N. face, and raised a mound of stone 2 ft. base, 1½ ft. high, N. of cor. Pits impracticable, descend
45.50	Gulch, course S.E. ascend.
50.00	Ridge 120 ft. high, bears N.W. & S.E. descend
54.00	Ravine, course S. ascend.
72.00	Ridge bears N. & S. descend.
80.00	Set a sandstone 16×10×4 ins. 11 ins. in the ground for cor. to Secs. 1. 2. 35 & 36. marked 1 notch on E. & 5 notches on W. edges; and raised a mound of stone 2 ft. base, 1½ ft. high, N. of cor. Pits impracticable. A pine 9 ins. in diam. bears S 40° E. 32 lks. dist. marked T. 22. S. R. 2½ W. S. 1. B.T.
	No other bearing trees within limits.
	Land, broken.
	Soil, Rocky 4th rate.
	Timber, Cedar, Pine & Spruce, scattering
	Mountainous land. 80 Chains.

West bet. Secs. 2 & 35. on a true line.
Enter scattering scrub cedars, pines & mahogany, descend.

North boundary of T. 22 S. R. 24 W. Continued.

Chains	
10.00	Ravine. course S. W. ascend.
11.70	Point of ridge. 50 ft. high. bears S. descend
13.60	Ravine. course S. E. ascend.
40.00	Set a sandstone 16×12×7 ins. 11 ins. in the ground for 1/4 Sec. Cor. marked 1/4 on N. face; and raised a mound of stone 2 ft. base. 1½ ft. high. N. of cor. Pits impracticable.
41.35	Top of ridge. bears N. & S. descend.
64.50	Gulch. course S. ascend
70.00	Ridge. 150 ft. high. bears N. & S. descend.
80.00	Set a sandstone 16×11×5 ins. 11 ins. in the ground for cor. to Secs. 2. 3. 34 & 35. marked 2 notches on E. & 4 notches on N. edges; and raised a mound of stone 2 ft. base, 1½ ft. high. N. of cor. Pits impracticable. Land. broken. Soil. Rocky. 4th rate. Timber. Cedar. pine & mahogany, scattering Mountainous land. 80 chains.
	West bet. Secs 3 & 34. Enter scattering & crub cedars. pines and mahogany, descend 350 ft. to
17.00	Cañon. course S. E. ascend.
40.00	Set a sandstone 18×10×5 ins. 12 ins. in the ground for 1/4 Sec. Cor. marked 1/4 on N. face; and raised a mound of stone 2 ft. base, 1½ ft. high. N. of cor. Pits impracticable.
80.00	Set a sandstone 18×10×6 ins. 12 ins. in the ground for cor. to Secs 3. 4. 33 & 34. marked 3 notches on E. & N. edges; and raised a mound of stone 2 ft. base, 1½ ft. high. N. of Cor. Pits impracticable. Land. broken. Soil. Rocky. 4th rate. Timber. Cedar. pine & mahogany, scattering Mountainous land 80 chains.

North boundary of T. 22 S. R. 2½ W. Continued

Chains.	
	West bet. secs. 1 & 33.
	Ascend in scattering Cedar, pine & Mahogany
4.50	Point of ridge. bears E. & W. ascend along ridge.
8.50	Leave timber.
26.50	Leave ridge. bears N. & S. descend 50 ft. to
31.80	Intersect E. bdy. of T. 23 S. R. 3 W. 10.42 chs. S. of the ¼ sec. cor. on E. side of sec. 1.

Set a Sandstone 16 x 10 x 6 ins. 11 ins. in the ground, for Closing Corner to Tps. 21 & 22 S. R. 2½ W. marked C.C. 21 S on N. V 22 S on S. 2½ W on E. with 6 grooves N. E. & S. faces; and raised a mound of stone 2 ft. base, 1½ ft. high. E. of Cor. Pits impracticable.

Land. broken.

Soil. Rocky & Gravelly, ~~4th~~ rate.

Timber. Cedar, pine & Mahogany scattering

Mountainous land 31.80 chains.

October 16 - 1896.

For General Description see Subdivisions of this township.

John T. Brechon
U. S. Deputy Surveyor

Latitudes, Departures and Closing errors.

Line designated	True bearing	distance	Latitude N.	Latitude S.	Departure E.	Departure W.
		Chs.	Chs.	Chs.	Chs.	Chs.
E. bdy T. 22 S. R. 2½ W.	North	501.04	501.04			
N. bdy T. 22 S. R. 2½ W.	West	271.80				271.80
W. bdy T. 22 S. R. 2½ W.	South	500.94		500.94		
S. bdy T. 22 S. R. 2½ W.	East	272.00			272.00	
Convergency						.58
			501.04	500.94	272.00	272.38
			500.94			272.00

Error in Lat. .10, Error in Dep. .38

Final Oaths of Deputy Surveyor and his Assistants.

LIST OF NAMES.

A list of the names of the individuals employed by _____

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

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

_____

wing 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

se parts or portions of the _____

_____

_____

_____ of the _____ base

_____ meridian, _____ of _____, which are represented

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

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

.....

.....

.....

..... of the ..... and ..... meridian, in the ..... of ....., which are represented in ... foregoing field notes as having been surveyed by me, and under my direction; and I do further solem... swear that all the corners of said survey have been established and perpetuated in strict accordance with ... 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 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.

.....
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 March 27th, 1897

The foregoing field notes of the survey of the North Boundary of Township 22 South Range 2½ West of the Salt Lake Base and Meridian Utah

executed by John F. Breckon under his contract No. 205, dated January 4th, 1896, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

George W. Snow
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-248

FIELD NOTES

OF THE SURVEY OF

Exterior lines of

T. 27. S. R. 3. W.

Of the Salt Lake Base and Meridian,

State of Utah

AS SURVEYED BY

John T. Breckon, U. S. Deputy Surveyor,

r his Contract No. 205, dated January 4 18[illegible].

ey commenced August 10th, 1896.

ey completed August 13th, 1896.

12503—2,000.)

		m.	ch.	lks.
T. Bay	high	2	40	00 ✓
E. "	"	6	00	00 ✓
N. "	"	5	78	04 ✓
		14.	38	04

Names and Duties of Assistants.

Don MacFadyean Chainman

Joshua Gardner Chainman

C. Lorensen Axeman

Edgar C. McCarty Axeman

BOOK A-248

INDEX DIAGRAM.

Township 27 S, *Range* 3 W

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

Meanders Page

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Preliminary Oaths of Assistants.

WE, _____

_____

_____

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

_____

_____

_____

_____

_____, *Chainman.*

_____, *Chainman.*

_____, *Chainman.*

_____, *Chainman.*

Subscribed and sworn to before me this _____ day of _____, 18 .

_____

_____

WE, _____

_____

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

_____

_____

_____

_____

Subscribed and sworn to before me this _____ day of _____, 18 .

_____, *Axeman.*

_____, *Axeman.*

_____

_____

South boundary of T. 2 S. R. 3 W.

Survey commenced Aug 10 - 1896. and executed with a Gurley Mountain transit with solar attachment.
I examine the adjustments of the transit and correct the level & collimation errors; then to test the solar apparatus by comparing its indications, resulting from solar observations made during A.M. & P.M. hours, with a true meridian determined by observations on Polaris I proceed as follows;
Aug. 10. At the 1/4 Sec. cor. bet. secs 3 & 34, on the S. bdy. of the township, which is an Iron stone 14 x 12 x 8 ins. above ground, marked and witnessed as described by the Surveyor General, in Lat. 38° 25' N. Longitude 112° 10' W. at 4 P.M. l.m.t. I set off 38° 25' on the lat. arc; 15° 17' N on the decl. arc; determine a true meridian with the solar; and mark a point thereof on a stone set firmly in the ground 5.00 chains N. of the Cor.
At 10h 05m P.M. l.m.t. I observe Polaris at its eastern elongation; in accordance with Manual of Instructions. and mark a point on the line thus determined on a plug driven in the ground 5.00 chs N. of my station.

Aug 10th 1896

Aug 11 - At 6h 40m A.M. l.m.t. I lay off the azimuth of Polaris 1° 55' to the west and mark the true meridian thus determined, by cutting a small groove in the stone set Aug. 10. on which the true meridian falls 0.4 ins east of the mark determined by the solar.
At 6h 56m A.M. l.m.t. I set off 38° 25' on the lat. arc; 15° 03' N. on the decl. arc; and mark a point on the true meridian determined with the solar, by a cross on the stone already set 5.00 chs. N. of my station. this mark falls 0.3 ins. west of the true meridian established by the Polaris observation.

South boundary of T. 27 S. R. 3 W. continued

Chains.	
	The solar apparatus by P. M. & A. M. observations, defines positions for true meridian respectively 0°21" west and 0°16" east of the true meridian established by the Polaris observations; therefore I conclude the adjustments of the instrument are satisfactory. The magnetic bearing of the true meridian at 7 a. m. is N 16°16' W. the angle thus determined, reduced by the table, Page 100, gives the mean Mag. decl. 16°10' E.
	I begin at the ¼ Sec. Cor. bet. secs 3 & 34, on the S. bdy. of the Tp. as before described. Thence I run
	East bet. secs 3 & 34.
	Descend 50 ft.
5.00	Head of gulch, course N.W. ascend 80 ft.
25.00	Top of ridge, bears N & S. descend 250 ft. to
40.00	Set a sandstone 18×14×8 ins. 12 ins. in the ground, for cor. to secs 2, 3, 34 & 35; marked 4 notches on W. and 2 notches on E. edges; & raised a mound of stone 2 ft. base, 1½ ft. high. W. of cor. Pits impracticable.
	Land, broken.
	Soil, Rocky & Gravelly 4th rate.
	No timber.
	Mountainous land 40. chains.
	East bet. secs 2 & 35.
	Descend gradually
5.25	Ravine, course N. ascend.
15.50	Point of ridge 150 ft. high, bears N 10° W. descend
22.00	Ravine, course N. ascend gradually
40.00	Set a lava rock 18×16×12 ins. 12 ins. in the ground for ¼ Sec. Cor. marked ¼ on N. face; and raised a mound of stone 2 ft. base, 1½ ft. high. N. of cor. Pits impracticable
51.75	Point of ridge 200 ft. high, descend
62.00	Gulch, course N 10° W. ascend 400 ft. to
77.00	Top of rocky ridge, bears N E & S W. descend 60 ft. to

South boundary of T. 27 S. R. 3 W. continued.

Chains	
80.00	Set a sandstone 20x12x10 ins. 15 ins. in the ground for cor. to Secs. 1. 2. 35 & 36. marked 5 notches on N. & 1 notch on E. edge; and raised a mound of stone 2 ft. base. 1½ ft. high. W. of Cor. Pits impracticable.
	Land. broken.
	Soil. Gravelly & Rocky 3rd rate.
	No timber.
	Mountainous land 80. chains.
	East bet. secs 1 & 36.
	Descend 200 ft. to
12.00	Top of ridge. bears N.W. & S.E. road bears N.W. & S.E. ascend.
20.00	Same road. bears N.E. & S.W.
34.20	Top of rocky point. bears N.E. descend.
40.00	Set a sandstone 18x16x10 ins. 12 ins. in the ground. for ¼ Sec. Cor. marked ¼ on N. face; & raised a mound of stone 2 ft. base. 1½ ft. high. N. of cor. Pits impracticable.
50.00	Head of ravine. course N 2 chs thence N.W. ascending scattering cedars.
55.50	Top of ridge. bears N.E. & S.W. descend toward Manning Creek.
64.20	Gulch. 200 ft. deep. course S 15° E. ascend
71.00	Point of rocky ridge. bears S. descend 300 ft. to
80.00	Set a sandstone 20x12x12 ins. 15 ins. in the ground for Cor. to Tps. 27 & 28 S. R. 2 & 3 W. marked T.
	T. 27 S. on N.E.
	R. 2 W. on S.E.
	T. 28 S. on S.W. &
	R. 3 W. on N.W. faces; with 6 notches on N. E. S. & W. edges; and raised a mound of stone 3 ft. base. 2 ft. high. S. of Cor; from which
	A cottonwood 10 ins. in diam. bears S 57° 50' E 76 lks. dist. marked T. 28. S. R. 2. W. S. 6. B. T.
	A cottonwood 10 ins. in diam. bears S 1° 30' W 97 lks. dist. marked T. 28. S. R. 3 W. S. 1. B. T.
	No other bearing trees available.

East boundary of T. 27 S. R. 3 W.

Chains.	
	Manning Creek bears South 1.10 chains dist: flows S.W.
	Land. broken.
	Soil. Rocky 4th rate.
	Timber. Cedar, scattering
	Mountainous land 80. chains.
	East Boundary
	From the cor. to Tps. 27 & 28 S. R. 2 & 3. W. S. run
	North bet: Secs 31 & 36.
	Ascend in slide rock & boulders.
6.00	Leave rocks, ascend gradually.
12.60	Top of ridge 500 ft: above Tp. cor. bears E. descend 250 ft: to
18.75	Gulch, course E. enter scattering cedars: ascend gradually.
30.00	Top of ascent: descend gradual slope
39.50	Ravine, course S.E. ascend.
40.00	Set a sandstone 20×12×4 ins. 15 ins. in the ground for 1/4 Sec. Cor. marked 1/4 on W. face, and raised a mound of stone 2 ft: base, 1½ ft: high. W. of cor. Pits impracticable.
44.80	Top of ridge 200 ft: above ravine, bears N.W. & S.E. descend 150 ft: to
47.50	Ravine, course S.E. ascend 150 ft: to
55.00	Point of ridge, bears W. descend 50 ft: to
58.05	Same ravine, course S.W. ascend 500 ft: to
80.00	Set a sandstone 18×16×10 ins. 12 ins. in the ground for cor to Secs 25. 30. 31 & 36. marked 1 notch on S. & 5 notches on W. edges: from which
	A cedar 8 ins. in diam. bears N 70° E 10 lks dist. marked T. 27 S. R. 2. W. S. 30. B. T.
	A cedar 10 ins. in diam. bears S 55° 20' E. 55 lks dist: marked T. 27 S. R. 2. W. S. 31. B. T.
	A cedar 27 ins. in diam. bears S 22° 45' W 31 lks dist: marked T. 27 S. R. 3 W. S. 36. B. T.
	A cedar 8 ins. in diam. bears N 28° 15' W. 56 lks dist: marked T. 27 S. R. 3. W. S. 25. B. T.
	Land, broken.
	Soil. Gravelly & Rocky 3rd rate.
	Timber, Cedar, scattering
	Mountainous land 80. chains.

East boundary of T. 27 S. R. 3 W. continued.

Chains.	
	North bet. secs 25 & 30.
	Ascend 300 ft. in scattering cedars to
9.50	Top of ridge, bears E. & W. descend 400 ft. to
20.00	Head of ravine, course W. ascend 250 ft. to
32.00	Top of ridge, bears N.W. & S.E. descend
40.00	Set a sandstone 16 x 14 x 4 ins. 11 ins. in the ground for 1/4 Sec. Cor. marked 1/4 on W. face; and raised a mound of stone 2 ft. base, 1½ ft. high. W. of cor. Pits impracticable.
55.17	Ravine 500 ft. below top of ridge, course S.E. ascend gradually along E. side of ravine.
74.00	Same ravine, course S.W.
78.00	Same ravine, course S.E.
80.00	Set a sandstone 20 x 12 x 12 ins. 15 ins. in the ground for cor. to secs 19, 24, 25 & 30 marked 2 notches on S. and 1 notches on W. edges; and raised a mound of stone 2 ft. base, 1½ ft. high. W. of cor. Pits impracticable
	Land, broken.
	Soil, Gravelly & Rocky 3rd rate.
	Timber, Cedar, scattering
	Mountainous land 80 chains.
	Aug. 11. at this corner I set off 14° 58' N on the decl. arc; and at 12 m. l.m.t. observe the sun on the meridian, the resulting lat. is 38° 27' N.

	North bet. secs 19 & 24.
	Ascend in scattering cedar & spruce.
5.90	Ravine, course S.W. ascend
16.00	Point of ridge, bears E. 50 ft. above ravine, descend
18.10	Same ravine, course S.E. ascend gradually
40.00	Set a sandstone 18 x 12 x 10 ins. 12 ins. in the ground for 1/4 Sec. Cor. marked 1/4 on W. face; and raised a mound of stone 2 ft. base, 1½ ft. high. W. of cor. Pits impracticable.
72.50	Road, bears N.W. & S.E.
79.94	Road, bears N.W. & S.E.
80.00	Set a Quartzite 18 x 8 x 6 ins. 12 ins. in the ground for cor. to Secs. 13, 18, 19 & 24, marked 3 notches on S. & W. edges; and raised a

Chains	
	mound of stone 2 ft. base, 1½ ft. high. W. of Cor. from which
	A cedar 6 ins. in diam. bears N. 36° 45' E. 42 lks. dist. marked T. 27 S. R. 2 W. S. 18. B. T.
	A cedar 24 ins. in diam. bears S. 51° 35' W. 59 lks. dist. marked T. 27 S. R. 3 W. S. 24. B. T.
	A pine 12 ins. in diam. bears N. 2° 25' W. 84 lks. dist. marked T. 27 S. R. 3 W. S. 13. B. T.
	No other bearing trees available.
	Land. broken.
	Soil. Gravelly & Rocky. 3rd rate.
	Timber. Cedar & spruce scattering
	Mountainous land. 80. chains.
	North bet. secs. 13 & 18.
	Ascend gradually in scattering cedar & spruce
15.00	Ridge 100 ft. above sec. cor. bears W. & S. E.
	descend 100 ft. to
25.80	Gulch. course W. ascend 150 ft. to
36.00	Point of ridge. bears W. descend
40.00	Set a sandstone 14 x 10 x 6 ins. 10 ins. in the ground for ¼ Sec. Cor. marked ¼ on W. face; and raised a mound of stone 2 ft. base, 1½ ft. high. W. of Cor. Pits impracticable.
45.50	Gulch 100 ft. deep. course W. ascend.
60.00	Ridge. bears E. & W. descend 200 ft. to
75.00	Head of gulch. course W. ascend.
80.00	Set a sandstone 20 x 8 x 8 ins. 15 ins. in the ground, for cor. to Secs. 7, 12, 13 & 18. marked 2 notches on N. & 4 notches on S. edges; and raised a mound of stone 2 ft. base, 1½ ft. high. N. of Cor. Pits impracticable.
	Land. broken.
	Soil. Gravelly & Rocky. 3rd rate.
	Timber. Cedar & spruce scattering
	Mountainous land. 80. chains.
	North bet. secs. 7 & 12.
	Ascend in scattering Cedar & spruce.
25.00	Top of ridge 150 ft. above sec. cor. bears S. & W. descend gradually

East boundary of T. 27 S. R. 3 W. Continued.

Chains	
38.50	Hollow. course W. ascend gradually
40.00	Set a sandstone 18x7x6 ins. 12 ins. in the ground for 1/4 Sec. Cor: marked 1/4 on W. face; and raised a mound of stone 2 ft: base. 1½ ft: high. W. of Cor. Pits impracticable.
40.05	Road, bears N. & & S. W.
44.96	Road. bears N. & & S. W.
61.76	Creek 2 lks wide. 3 ins. deep. flows S. W.
71.50	Top. of ridge, bears N. & & S. W. descend 150 ft: to
77.30	Ravine. course S. W. ascend.
80.00	Set a Quartzite 16x12x6 ins. 11 ins. in the ground, for cor of secs 1. 6. 7 & 12. marked 1 notch on N & 5 notches on S. edges; and raised a mound of stone 2 ft: base. 1½ ft: high. W. of cor. Pits impracticable.
	Land. broken.
	Soil. Gravelly & rocky. 3rd rate.
	Timber. Cedar & spruce. scattering
	Mountainous land 80. chains.
	North bet: secs 1 & 6.
	Ascend 400 ft: in scattering cedars.
10.09	Cedar 24 ins. in diam. on line. marked 2 notches on N & S sides.
15.30	Top. of ridge. bears E & W. descend.
23.69	Bottom of ravine. Creek 3 lks wide 2 ins deep. flows W. ascend. Lean cedars.
40.00	Set a sandstone 16x10x6 ins. 11 ins. in the ground for 1/4 Sec. Cor. marked 1/4 on W. face; and raised a mound of stone 2 ft: base. 1½ ft: high. W. of cor. Pits impracticable.
43.00	Top of ridge bears E & W. descend 400 ft: to
76.50	Head of gulch. course N W. ascend 50 ft: to
79.00	Point of ridge. bears W. descend to
80.00	Set a sandstone 20x12x10 ins. 16 ins. in the ground for temporary Cor. to Sts 27. S. Rs 2 & 3. W. made permanent Aug 12-1896. and marked. R. 2. W. on S. E. T. 27. S. on S. W. with 6 notches on E. S. & W. edges; and raise a mound of stone 2 ft: base. 1½ ft: high. S. of cor. Pits impracticable.

North boundary of T. 27 S. R. 3 W.

Chains.	
	Land. broken.
	Soil. Gravelly & Rocky 3rd rate.
	Timber. Cedar. scattering
	Mountainous land 80 chains.
	August 11. 1896
	From the cor. to Tp. 27 S. R.s 3 & 4 W. established by me July 21. 1896.
	I run
	East on a random line along the N. bdy. of T. 27 S. setting temporary ¼ Sec. & Sec. Cors. at intervals of 40. chains. and at 478.04 chains. intersect 28 lks S. of the temporary cor. to T. 27 S. R.s 2 & 3 W. which I make permanent.
	The falling answers to a correction of 0°.02' or 5 lks North per mile. counting from the N.E. Cor. of the township, therefore I run
	S 89°.58' W. along the N. side of sec. 1.
	Descend in dense undergrowth
2.40	Gulch. course N. ascend 100 ft. to
7.20	Ridge. bears N & S. descend gradually
30.00	Ravine 150 ft. deep. course N. ascend
40.00	Set a sandstone 16×12×8 ins. 11 ins. in the ground for ¼ Sec. Cor. marked ¼ on N. face; and raised a mound of stone 2 ft. base, 1½ ft. high. N. of cor. Pits impracticable.
43.00	Point of ridge. bears N. enter scattering cedars descend.
50.20	Gulch 80 ft. deep. course N. 5 chs. thence W. ascend.
55.00	Point of ridge. bears N. descend.
63.00	Gulch 100 ft. deep. course N. 5 chs to ravine W. &
67.00	Point of rocky ridge, bears N. descend.
74.00	Top of rocky ledge. descend.
80.00	Set a sandstone 18×12×8 ins. 12 ins. in the ground for cor. to secs 1 & 2. marked 1 notch on E & 5 notches on W. edges; and raised a mound of stone 2 ft. base 1½ ft. high W. of Cor. from which
	A pine 10 ins. in diam. bears S 33°.35' E 15 lks dist. marked T. 27 S. R. 3 W. S. 1. B. T.
	A pine 15 ins. in diam. bears S 62°.30' W

North boundary of T. 27 S. R. 3 W. Continued.

Chains.	
	22 lks dist: marked T. 27 S. R. 3 W. S. 2 B.T.
	Land. broken.
	Soil. Rocky & Gravelly 4th rate.
	Timber. Cedar. scattering
	Mountainous land 80 chains.
	August-12-1896.
	S 89° 58' W. along N. side Sec. 2.
	Descend ledges & boulder. in scattering
	Cedars & Pines.
16.00	Foot of steep descent 400 ft: below Sec. Cor.
	Descend gradually.
40.00	A pine 10 ins. in diam. for 1/4 sec. Cor.
	I marked 1/4 S. on N. side; from which
	A cedar 8 ins. in diam. bears S 8° 10' E 20 lks
	dist: marked 1/4 S. B.T.
	A cedar 10 ins. in diam. bears N 70 W. 30 lks
	dist: marked 1/4 S. B.T.
51.00	Hollow. course S. ascend gradually
52.14	Road, bears N.W. & S.E.
60.00	Point of ridge. bears N. descend gradually
79.80	Ravine. course S.W. County road. bears
	N.E. & S.W.
80.00	Set a sandstone 16 x 8 x 6 ins. 11 ins. in the
	ground for cor. to secs 2 & 3. marked 2
	notches on E. & 4 notches on W. edges; and
	raised a mound of stone 2 ft: base 1½ ft:
	high. N. of cor. Pits impracticable.
	Land. Broken.
	Soil. Gravelly & Rocky. 3rd rate.
	Timber. Cedar. & Pine. scattering
	Mountainous land. 80 chains.
	S 89° 58' W. along N. side Sec 3.
	Ascend gradually in scattering Cedar & Pine.
16.04	Wood road. bears N.W. & S.E.
34.00	Steep ascent.
40.00	Set a sandstone 16 x 10 x 6 ins. 11 ins. in the
	ground for 1/4 Sec. Cor. marked 1/4 on N. face,
	and raised a mound of stone 2 ft: base,
	1½ ft: high. N. of cor. from which
	A cedar 12 ins. in diam. bears N 30° 30' E

North boundary of T. 27 S. R. 3 W. Contd.

Chains	
	28 lks. dist. marked 1/4 S. B.T.
	A cedar 15 ins. in diam. bears South 54
	lks. dist. marked 1/4 S. B.T.
48.00	Point of ridge 400 ft. above Sec. Cor. bears
	S. descend 300 ft. to
57.10	Gulch, course S. road bears N. & S. ascend
64.00	Point of ridge, 250 ft. high, bears S. descend
67.70	Gulch, course S. ascend 150 ft. to
80.00	Set a Granite 18 x 12 x 9 ins. 12 ins. in the
	ground for cor. to Secs. 3 & 4 marked 3
	notches on E. & W. edges; from which
	A pine 14 ins. in diam. bears S. 85° E. 73 lks.
	dist. marked T. 27 S. R. 3 W. S. 3. B.T.
	A cedar 8 ins. in diam. bears S. 84° 30' W.
	61 lks. dist. marked T. 27 S. R. 3 W. S. 4. B.T.
	Land, broken.
	Soil, Gravelly. 3rd rate.
	Timber, Cedar & Pinon, scattering.
	Mountainous land 80 chains.

	S. 89° 58' W. along N. side Sec. 4.
	Ascend in scattering cedar & Pinon
4.50	Top of ridge, 150 ft. above Sec. Cor. bears N. & S.
	descend
8.50	Gulch, 100 ft. deep, course S. ascend.
16.00	Ridge, bears S. descend.
20.40	Rocky gulch, 75 ft. deep, course S. ascend.
24.80	Point of rocky ridge, bears S. descend.
40.00	Set a Granite 16 x 12 x 8 ins. 11 ins. in the
	ground for 1/4 Sec. Cor. marked 1/4 on N. face,
	and raised a mound of stone 2 ft. base,
	1/2 ft. high. N. of cor. Pits impracticable.
44.30	Bottom of Ravine, course S. ascend 600 ft. to
56.00	Top of ridge, bears N. & S. descend steep slope
73.00	Incline shaft 4 x 6 ft. bears South 2.50 chains
80.00	Set a sandstone 20 x 12 x 7 ins. 15 ins. in the
	ground for cor. to Secs. 4 & 5. marked 4
	notches on E. & 2 notches on W. edges;
	from which
	A pine 12 ins. in diam. bears S. 41° E. 45 lks.
	marked T. 27 S. R. 3 W. S. 4. B.T.

North Boundary of T. 27 S. R. 3 W. Continued

Chains.	
	A pine 12 ins. in diam. bears S 51° W. 64 lks dist: marked T. 27 S. R. 3 W. S. 5. B. T.
	Land, broken.
	Soil. Rocky & Gravelly 4th rate.
	Timber. Cedar & Pine, scattering
	Mountainous land, 80 chains.
	S 89°. 58' W. along N. side Sec. 5.
	Descend 20 ft. in scattering Cedars,
1.10	Gulch, course S. W. ascend 40 ft: to
4.50	Point of ridge, bears S. W. descend gradually
17.20	Road, bears N.W. & S.E.
28.05	Ravine, course N.W. gradual ascent to
36.00	Point of ridge, bears N.W. gradual descent
40.00	Set a sandstone 16×12×8 ins. 11 ins. in the ground for 1/4 Sec. Cor. marked 1/4 on N. face, & raised a mound of stone 2 ft. base, 1½ ft. high. N of cor. Pits impracticable. from which
	A cedar 15 ins. in diam. bears S 45°. 30' E 35 lks dist: marked 1/4 S. B. T.
	No other bearing trees available.
48.90	Ravine, course S.W. ascend gradually.
51.50	Point of ridge, bears S.W. descend
58.50	Road, bears N.E. & S.W.
66.80	Bottom of Cañon, course S.
67.80	Road, bears N & S. ascend 300 ft: to
79.00	Top of ridge, bears N & S. descend to
80.00	Set a sandstone 18×12×6 ins. 12 ins. in the ground, for cor. to secs 5 & 6. marked 5 notches on E. & 1 notch on W. edges; and raised a mound of stone 2 ft. base, 1½ ft. high. W. of cor. Pits impracticable.
	Land, rolling.
	Soil. Gravelly & Rocky 3rd rate.
	Timber, Cedar, scattering
	Mountainous land 80. chains.
	S 89°. 58' W. along N. bdy. Sec. 6
	Descend gradually in scattering cedars.
18.60	Ravine, course S.W. road bears N.E. & S.W.

North boundary of T. 27 S. R. 3 W. Continued.

Chains	
	Ascend 800 ft. to
40.00	Set a granite 16x12x5 ins. 11 ins. in the ground for 1/4 Sec. Cor. marked 1/4 on N. face; and raised a mound of stone 2 ft. base, 1½ ft. high, N. of cor. Pits impracticable.
	Ascend 20 ft. to
41.00	Top of ridge, bears N. & S. descend.
46.00	Rocky gulch 200 ft. below top of ridge, course S. W. ascend.
57.00	Rocky point 100 ft. high, bears S. descend
59.90	Rocky gulch, course S. ascend.
64.50	Ridge, bears N. E. & S. W. descend 100 ft. to
72.20	Head of gulch, course N. W. ascend
74.50	Point of ridge, bears N. W. descend to
78.04	The cor. to T. 27 S. R. 3 & 4 W.

Land, broken.
Soil, Rocky & Gravelly, 4th rate.
Timber, Cedar, scattering.
Mountainous land 78.04 chains.

August 13 - 1896 -

For General Description, See subdivision of this township

John T. Brickson
U. S. Deputy Surveyor

Latitudes, Departures & Closing errors.

Line designated	True bearing	distance	Latitude N.	Latitude S	Departure E	Departure W
E. bdy T. 27 S. R. 3 W.	North	480.00	480.00			
N. bdy T. 27 S. R. 3 W.	S 89° 58' W	478.04		.28		478.04
W. bdy T. 27 S. R. 3 W.	South	480.00		480.00		
S. bdy T. 27 S. R. 3 W.	East	480.00			480.00	
Convergency						.58
			480.00	480.28	480.00	478.62
				480.00	478.62	
			Error in Lat.	.28	1.38	Error in Dep.

List of Names.

A list of the names of the individuals employed by John T. Breckon, U. S. Deputy Surveyor, to assist in running, measuring, and ...king the lines and corners described in the foregoing field notes of the survey of the Exterior boundaries of T. 27 S. R's 3 & 4 W.

...the Salt Lake Base & Meridian, in Utah, showing respective capacities in which they acted:

Don MacFadzean Chainman
Joshua Gardner Chainman
C. Sorensen Axeman
Edgar C. McCarty Axeman

Final Oath of Assistants:

We hereby certify that we assisted John T. Breckon, U. S. Deputy Surveyor, in surveying all ...e parts or portions of the Exterior boundaries of T. 27 S. R's 3 & 4 W.

...of the Salt Lake Base & Meridian, Utah, as are represented in the ...going field notes as having been surveyed by him and under his direction; and that said survey has been in all ...cts, to the best of our knowledge and belief, well and faithfully surveyed, and the corner monuments established, ...ding to the instructions furnished by the U. S. Surveyor General for Utah

Don MacFadzean Chainman
Joshua Gardner Chainman
C. Sorensen Axeman
Edgar C. McCarty Axeman

...cribed and sworn to before me this 23rd day of August, 1896

SEAL

Homer McCarty
Notary Public
My Commission Expires Nov. 26th 1897

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Final Oath of U. S. Deputy Surveyor.

I, ..., U. S. Deputy Su...
solemnly swear that, in pursuance of instructions received from .....
Surveyor General for ....., bearing date of the .....
....., 18 , I have well, faithfully, and truly, in my own proper person, and
conformity with the instructions furnished by the U. S. Surveyor General for .....
surveying manual, and the laws of the United States, surveyed all those parts or portions of .....

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

.....
U. S. Deputy Surv...

Subscribed and sworn to before me this .....
day of ....., 18 .

SEAL

Approval.

Office of the U. S. Surveyor General,
Salt Lake City, Utah March 27th, 1897

The foregoing field notes of the survey of the North South and East Boundaries Township 27 South Range 3 West of the Salt Lake Base & Meridian, Utah

..... execut...
John T Breckon
under his Contract No. 205, dated January 4th, 1896 having been cri...
examined, the necessary corrections and explanations made, the said field notes, and the surveys they describ...
hereby approved.

George W. Snow
U. S. Surveyor Gen...

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

.....
U. S. Surveyor Gen...

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(4—679.)

BOOK A-248

FIELD NOTES

OF THE SURVEY OF

Subdivisions of T27S R.3W.

Of the Salt Lake Base and Meridian,

State of Utah

AS SURVEYED BY

John T. Breckon, U. S. Deputy Surveyor,

er his Contract No. 205, dated January 4th 1896.

vey commenced August 14th, 1896.

vey completed August 21st, 1896.

(12503—2,000.)

	m.	chs.	lks.
Lubs — high	32	78	42 ✓
" low	5	18	70 ✓
Resurvey Cntg — —	3	19	30 ✓

Names and Duties of Assistants.

Don MacFadzean Chainman

Joshua Gardner Chainman

C. Sorensen Axeman

Edgar C. McCarty Axeman

BOOK A-248

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Township 27 S., *Range* 3 W

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Meanders Page

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Preliminary Oaths of Assistants.

WE, _____

_____

_____

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

_____

_____

_____

_____

_____, *Chainman.*

_____, *Chainman.*

_____, *Chainman.*

_____, *Chainman.*

Subscribed and sworn to before me this _____
day of _____, 18 .

_____

_____

WE, _____

_____

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

_____

_____

_____

_____

Subscribed and sworn to before me this _____
day of _____, 18 .

_____, *Axeman.*

_____, *Axeman.*

_____

_____

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Subdivision of T. 27 S. R. 3 W.

Chains	
	Survey Commenced August 14 - 1896. & executed with Gurley Mountain transit with solar attachment, same as used on Exterior lines.
	Aug 14 - at 7h a.m. l.m.t. I set off 38°.25' N on the lat. arc; 14°.08' N. on the decl. arc; and determine a true meridian with the solar, at the cor. to Secs 1. 2. 35 & 36 on the S. bdy. of the township as hereinbefore described
	thence I run
	N 0°.01' W. bet. secs 35 & 36.
	Ascend 50 ft. to
1.50	Top of ridge bears N.E & S.W. descend
	Variation at this point 17°.20' E
6.00	Road, bears E & W.
10.76	Bottom of ravine. 300 ft. below ridge. course W. ascend
40.00	Set a soft volcanic rock 14x10x4 ins. 10 ins. in the ground, for 1/4 sec. cor. marked 1/4 on W. face; and raised a mound of stone 2 ft. base, 1 1/2 ft. high, W. of Cor. Pits impracticable, on W. slope of ridge
49.50	Top of ridge. bears N.E & S.W. descend 500 ft. to
68.50	Ravine, course S.W. ascend,
80.00	Set a trachyte 14x12x9 ins. 10 ins. in the ground for cor. to Secs 25. 26. 35 & 36. marked 1 notch on S. & E. edges; and raised a mound of stone 2 ft. base, 1 1/2 ft. high W. of Cor. Pits impracticable. On ridge bears N.E & S.W.
	Land, broken.
	Soil. Rocky. 4th rate.
	No timber.
	Mountainous land 80 chains.
	East on a random line bet. secs 25 & 36.
40.00	Set temporary 1/4 Sec. Cor.
80.00	Intersect S. bdy. of township at cor. to secs 25. 30. 31 & 36 as hereinbefore described.
	thence I run
	West on a true line bet. secs 25 & 36.

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Subdivision of T. 27 S. R. 3 W. Continued

Chains	
	Enter scattering cedars & pines. ascend along S. slope of ridge
25.00	Top of ridge. 300 ft. above Sec. Cor. descend gradually 100 ft. to
34.00	Head of ravine. course N.W. ascend gradually
40.00	Set a trachyte 20×10×6 ins. 15 ins. in the ground for 1/4 Sec. Cor. marked 1/4 on N. face; and raised a mound of stone 2 ft. base, 1½ ft. high. N. of cor. Pits impracticable.
65.00	Top of ridge. bears N.W. & S.E. descend steep side hill. to
80.00	The cor. to secs 25. 26. 35 & 36.
	Land, broken.
	Soil. Gravelly & Rocky. 3rd rate.
	Timber. Cedar & Pine. scattering
	Mountainous land 80. chains.
	N 0° 01' W. bet. secs 25 & 26.
	Ascend in scattering Cedar & Pine.
11.00	Descend.
19.20	Ravine. course N.W. ascend.
40.00	Set a trachyte 14×12×7 ins. 10 ins. in the ground for 1/4 Sec. Cor. marked 1/4 on W. face; and raised a mound of stones 2 ft. base, 1½ ft. high. W. of cor. Pits impracticable.
42.00	Top of ridge. bears N.E. & S.W. descend.
58.00	Ravine. course S.W. ascend
68.00	Ridge. bears N.E. & S.W. descend 100 ft. to
75.20	Gulch. course S.W. ascend 150 ft. to
80.00	Set a trachyte 20×12×3 ins. 15 ins. in the ground for cor. to secs 23. 24. 25 & 26. marked 2 notches on S. & 1 notch on E. edges; and raised a mound of stone 2 ft. base 1½ ft. high. W. of cor. Pits impracticable.
	Land, broken.
	Soil. Rocky 4th rate.
	Timber Cedar & Pine. scattering
	Mountainous land 80 chains.
	Aug 14. At this cor. I set off 14° 03' N. on the decl. arc; and at 12 m. l. m. t. observe the sun on the meridian the resulting lat. is 38° 27'.

Subdivision of T. 27 S. R. 3 W. Continued.

Chains.	
	East on a random line bet: secs 24 & 25.
40.00	Set temporary ¼ Sec. Cor.
80.02	Intersect E. bdy. of Lp. at cor. to secs 19.24 25 & 30. as hereinbefore described.
	Thence I run
	West on a true line bet: secs 24 & 25.
	Enter scattering cedar & pine, descend 20 ft: to
6.70	Ravine, course S. ascend.
4.00	Point of ridge. 100 ft: above sec. cor. bears S. descend 100 ft: to
9.00	Ravine, course S.E. ascend 400 ft: to
25.00	Top of ridge. bears W & S.E. descend
36.00	Ravine, course S.E. ascend
40.00	Set a lava rock 14×9×5 ins 10 ins. in the ground for ¼ Sec. Cor. marked ¼ on N. face & raised a mound of stones 2 ft: base, 1½ ft: high N. of cor. Pits impracticable.
45.00	Top of ridge. bears N & S. 150 ft: above ¼ Sec. Cor. descend gradually to
68.50	Hollow, course S 30° W. ascend 100 ft: to
70.50	Top of ridge bears N.E & S.W. descend 175 ft: to
80.02	The cor. to secs 23.24.25 & 26.
	Land. broken.
	Soil. Gravelly & Rocky 3rd rate.
	Timber. Cedar & Pine, scattering
	Mountainous land, 80.02 chains.

	N 0°.01' W. bet: secs 23 & 24.
	Enter scattering cedar & pine, ascend 80 ft: to
3.50	Top of ridge. bears E & W. descend 500 ft: to
27.50	Ravine. course N.W. ascend
40.00	Top of ridge 300 ft: high. bears E & W. Set a limestone 16×14×8 ins. 11 ins. in the ground, for ¼ Sec. Cor. marked ¼ on N. face, and raised a mound of stone 2 ft: base, 1½ ft: high. N. of Cor. Pits impracticable. descend
47.50	Ravine, course W. ascend 350 ft: to
56.00	Top of rocky ridge. bears E & W. descend 350 ft: to
64.70	Ravine. Course W. ascend 200 ft: to
78.80	Top of ridge. bears S.W. & N.E. descend
80.00	Set a sandstone 16×8×6 ins. 11 ins. in the

Subdivision of S. 23. T. 27. S. R. 3. W. Continued.

Chains	ground for cor. to Secs 13. 14. 23 & 24 marked 3 notches on S. & 1 notch on E. edges, and raised a mound of stone 2 ft. base, 1½ ft. high W. of Cor. Pits impracticable. from which
	A cedar 12 ins. in diam. bears S. 28° 30' W. 40 lks dist: marked T. 27 S. R. 3 W. S. 23. B. T.
	A pine 14 ins. in diam. bears N. 37° 25' W 56 lks. dist: marked T. 27 S. R. 3 W. S. 14. B. T.
	No other bearing trees within limits.
	Land, broken.
	Soil, rocky 4th rate.
	Timber, Cedar & Pine, scattering
	Mountainous land. 80. chains.
	August 12th 1896.
	East on a random line bet. Secs 13 & 24.
40.00	Set temporary ¼ Sec. Cor.
80.00	Intersect E. bdy. of Lk. 5 lks S. of cor. to Secs 13. 18. 19 & 24, as hereinbefore described
	thence S. run
	S 89° 58' W. on a true line bet. Secs 13 & 24.
	Descend gradually in scattering cedar & Pine
0.40	Road, bears N.W. & S.E.
7.05	Road, bears N.W. & S.E.
12.00	Ravine 50 ft. below sec. cor. course S. ascend
22.00	Top of ridge, 300 ft. above sec. cor. bears W. & S. descend.
39.40	Gulch 150 ft. below top of ridge. course S.W.
40.00	Set a sandstone 14×8×6 ins. 10 ins. in the ground for ¼ Sec. Cor. marked ¼ on N. face, from which
	A cedar 12 ins. in diam. bears S. 12° 10' W. 38 lks dist. marked ¼ S. B. T.
	A pine 18 ins. in diam. bears N. 80° W. 15 lks. dist: marked ¼ S. B. T. descend.
44.80	Same ravine, course N.W. thence along S. side of ravine to
58.10	Same ravine, course S.W. ascend 150 ft. to
79.50	Top of ridge, bears N.E. & S.W. descend to
80.00	The cor. to Secs 13. 14. 23 & 24
	Land, broken.

Subdivision of S. 27 S. R. 3. W. continued.

Chains	
	Soil. Gravelly & Rocky. 3rd rate.
	Timber. Cedar & Pine. scattering
	Mountainous land 80. chains.
	N. 0° 01' W. bet. secs 13 & 14.
	Enter scattering cedar & pine. Ascend along
	W. slope of ridge
17.00	Gulch. course S.W. ascend 75 ft. to
25.00	Top of ridge bears E & W. descend
40.00	Set a lava rock 16 x 9 x 5 ins. 11 ins. in the
	ground. for 1/4 sec. cor. marked 1/4 on W. face;
	and raised a mound of stone 2 ft. base, 1½ ft.
	high. W. of cor. Pits impracticable.
41.25	Ravine 400 ft. below top of ridge. course
	S.W. ascend
45.00	Top of ridge. 75 ft. high. bears W. descend,
46.50	Gulch. course W. ascend.
50.00	Top of ridge. 50 ft. high. bears E. & W. descend
52.00	Gulch. course W. ascend
60.50	Top of ridge. 250 ft. high. bears W. descend
66.50	Ravine. course W. stream 3 lks wide, 2 ins.
	deep. flows W. ascend
68.00	Wood road, bears E & W.
68.50	Ridge. bears E & W. descend,
71.70	Gulch. course S.W. ascend 200 ft. to
77.00	Top of ridge, bears N E & W. descend to
80.00	Set a trachyte 16 x 9 x 5 ins. 11 ins. in the ground
	for cor. to secs 11, 12, 13 & 14. marked 4 notches
	on N. & 1 notch on E. edges; and raised a
	mound of stone 2 ft. base, 1½ ft. high. W. of
	Cor. Pits impracticable.
	Land, broken.
	Soil. Gravelly & Rocky 3rd rate.
	Timber. Cedar & Pine. scattering
	Mountainous land 80. chains.
	N. 89° 58' E. on a random line bet. secs 12 & 13.
40.00	Set Temporary 1/4 sec. Cor.
80.04	Intersect E. bdy. of Tp. at cor. to secs 7, 12,
	13 & 18, as hereinbefore described. thence I run
	S. 89° 58' W. on a true line bet. secs 12 & 13.

Subdivision of T. 27 S. R. 3 W. continued

Chains	
	Enter scattering cedars, descend gradually
31.70	Road, bears N & S. enter dense oak brush.
38.70	Ravine 200 ft. below Sec. Cor. course S.W.
	Creek 2 lks wide, 2 ins. deep, flows S.W.
	ascend.
40.02	Set a boulder 16×12×8 ins. 11 ins. in the
	ground, for 1/4 Sec. Cor. marked 1/4 on N. face;
	& raised a mound of stone 2 ft. base, 1 1/2 ft.
	high. N. of Cor. Pits impracticable.
41.00	Leave brush.
42.40	Road, bears N.E. & S.W.
47.50	Top of knoll 100 ft. high, descend,
60.00	Gulch, course S.W. ascend gradually
67.00	Point of ridge, bears S.W. descend
69.00	Gulch, course S.W. ascend
77.00	Top of ridge 125 ft. above gulch, bears
	N & S. descend 25 ft. to
80.04	The cor. to secs 11, 12, 13 & 14.
	Land, broken.
	Soil, Gravelly & Rocky 3rd rate.
	Timber, Cedar, dense undergrowth on
	9.30 chains.
	Mountainous land 80.04 chains.
	No. 01' W. bet. secs 11 & 12.
	Ascend in scattering cedar & Pine
25.00	Top of ridge, bears E & W. descend,
40.00	Set a conglomerate stone 14×11×6 ins. 10 ins. in
	the ground for 1/4 Sec. Cor. marked 1/4 on W. face;
	and raised a mound of stone 2 ft. base, 1 1/2 ft.
	high. W. of cor. Pits impracticable, from which
	A cedar 9 ins. in diam. bears N 30° E 37 lks
	dist. marked 1/4 S. B. T.
	A pine 9 ins. in diam. bears N 82° W 19 lks
	dist. marked 1/4 S. B. T.
53.50	Gulch, course W. ascend 250 ft. to
75.50	Top of ridge, bears N.E. & S.W. thence ascending
	along W. side of ridge.
80.00	Set a limestone 18×14×9 ins. 12 ins. in the
	ground for cor. to secs 1, 2, 11 & 12, marked
	5 notches on S. and 1 notch on E. edges; and

Chains	
	raised a mound of stone 2 ft. base, 1½ ft. high N. of cor. Pits impracticable.
	Land. broken.
	Soil. Gravelly & Rocky. 3rd rate.
	Timber. Cedar & Pino. scattering
	Mountainous land. 80. chains.
	Aug 15. at 4h 00m = l. m. t. I set off 38° 24' on the lat. arc; 13° 42' N. on the decl. arc; and determine a true meridian with the solar. at the cor. to secs 1. 2. 11 & 12
	Thence I run
	N 89° 58' E. on a random line bet. secs 1 & 12.
40.00	Set temporary ¼ sec. cor.
80.02	Intersect E. bdy. of Tp. 15 lks N. of cor. to secs 1. 6. 7 & 12. as hereinbefore described
	Thence I run
	N. 89° 58' W. on a true line bet. secs 1 & 12.
	Ascend 200 ft. in scattering cedars.
10.00	Point of ridge. bears S. descend 100 ft. to
20.20	Gulch. course S. ascend 500 ft. to
38.00	Point of ridge. bears N. descend.
40.01	Set a trachyte 18 x 12 x 8 ins. 12 ins. in the ground for ¼ sec. cor. marked ¼ on N. face; and raised a mound of stone 2 ft. base, 1½ ft. high. N. of cor. Pits impracticable.
43.00	Hollow. course N. ascend.
51.00	Point of ridge. bears N. descend along N. side of ridge.
61.00	Ascend from gulch. course N.E.
73.00	Point of ridge. bears N.E. descend to
80.02	The cor. to secs 1. 2. 11 & 12.
	Land. broken.
	Soil. Gravelly & Rocky. 3rd rate
	Timber. Scattering Cedar.
	Mountainous land 80.02 chains.
	August 15 - 1896
	N 0° 01' W. on a random line bet. secs 1 & 12.
40.00	Set temporary ¼ sec. cor.
80.00	Intersect N. bdy of Tp. 5 lks N. of cor. to secs 1 & 12. as hereinbefore described.

Subdivision of T. 27 S. R. 3 W. Continued

Chains	
	thence I run
	S 0° 01' W. on a true line bet. secs 1 & 12.
	Enter scattering Cedar & Pine, ascend along
	W. slope of ridge.
8.00	Descend.
26.00	Ravine. course W. ascend 150 ft. to
28.00	Top of ridge. bears W. descend
40.00	Set a trachyte 18×12×9 ins. 12 ins. in the
	ground for 1/4 Sec. Cor. marked 1/4 on W. face;
	& raised a mound of stone 2 ft. base, 1 1/2 ft.
	high. W. of Cor. Pits impracticable. leave cedar & Pine.
42.00	Confluence of two ravines, one from N. E &
	one from S. E. course W. ascend 700 ft. to
80.00	The cor. to secs 1. 2. 11 & 12.
	Land. broken.
	Soil. Rocky & Gravelly 4th rate.
	Timber. Cedar & Pine scattering
	Mountainous land 80 chains.
	August 18 - 1896.
	From the cor. to secs 2. 3. 34 & 35 on S.
	bdy. of township as hereinbefore described
	I run
	N 0° 01' W. - bet. secs 34 & 35.
	Descend 200 ft. to
20.00	Ravine. course W. ascend 150 ft. to
33.00	Top of ridge. bears E & W. descend 150 ft. to
38.00	Ravine, course S. W. ascend gradually.
40.00	Set a trachyte 16×12×10 ins. 11 ins. in the ground
	for 1/4 Sec. Cor. marked 1/4 on W. face; and raised
	a mound of stone 2 ft. base, 1 1/2 ft. high W. of
	Cor. Pits impracticable.
70.00	Ridge 150 ft. above ravine, bears N. E & S. W.
	descend, 80 ft. to
78.50	Ravine, course S. W. ascend 50 ft. to
80.00	Set a sandstone 18×12×6 ins. 12 ins. in the
	ground for cor. to secs 26. 27. 34 & 35. marked
	1 notch on S. & 2 notches on E. edges; and
	raised a mound of stone 2 ft. base, 1 1/2 ft.
	high. W. of Cor. Pits impracticable on ridge bearing N. E & S. W.
	Land. broken.
	Soil. Gravelly & Rocky 3rd rate

Subdivisions of T. 27 S. R. 3 W. Continued

Chains	
	No timber.
	East on a random line bet. secs 26 & 35.
40.00	Set temporary 1/4 Sec. Cor.
80.00	Intersect W. & E. line at cor. to secs 25. 26. 35 & 36.
	thence I run
	West on a true line bet. secs 26 & 35.
	descend in scattering cedars
35.60	Ravine course S.W. leave cedars. ascend
40.00	Set a white lava rock 24x12x8 ins. 18 ins. in the ground for 1/4 Sec. Cor. marked 1/4 on N. face; and raised a mound of stone 2 ft. base, 1½ ft. high, N. of cor. Pits impracticable.
42.00	Descend from ridge bears N.E. & S.W.
52.00	Ravine. course S.W. ascend gradually
60.00	Descend gradually from ridge. bearing N.E. & S.W.
74.95	Gulch, course S.W. ascend 40 ft. to
80.00	The cor. to secs 26. 27. 34 & 35.
	Land, rolling.
	Soil. Gravelly & Rocky, 3rd rate.
	Timber. Cedar, scattering
	Mountainous land 80. chains.
	West on a random line bet. secs 27 & 34
40.00	Set temporary 1/4 Sec. Cor.
80.00	Intersect W. & E. line at cor. to secs 27. 28. 33 & 34. which is a Conglomerate 10x20x5 ins. above ground marked & witnessed as described by the Surveyor General.
	thence I run
	East on a true line bet. secs 27 & 34.
	Ascend 50 ft. to
6.15	Top of ridge. bears N.E. & S.W. descend
16.50	Gulch 50 ft. deep. course S.W. ascend
29.75	Top of ridge. bears N.E. & S.W.
34.50	Descend from ridge.
38.00	Ascend. steep hill side.
40.00	Set a trachyte 18x14x12 ins. 12 ins. in the ground

Subdivision of T. 27 S. R. 3 W. Continued

Chains	
	for 1/4 Sec. cor. marked 1/4 on N. face, and raised a mound of stone 2 ft. base, 1 1/2 ft. high N. of cor. Pits impracticable.
41.30	Top of ridge. bears N.W. and S.E. descend
57.80	Gulch. course S. road. bears N. and S. ascend about 100 ft. to
80.00	The cor. to secs 26. 27. 34 and 35.
	Land, broken.
	Soil. Gravelly and Rocky 3rd rate.
	No timber.
	Mountainous land 80. chains.
	Aug 16. At this cor. I set off 13°.24' W. on the decl. arc; and at 12 m. l.m.t. observe the sun on the meridian; the resulting lat. is 38°.26'.
	No°.01' W. bet. secs 26 and 27.
	Ascend S.W. slope.
16.00	Ridge. bears N.W. and S.E. 200 ft. above Sec. cor. descend
22.00	Gulch 100 ft. deep. course S.E. ascend.
40.00	Set a lava rock 14x12x6 ins. 10 ins. in the ground for 1/4 Sec. Cor. marked 1/4 on W. face; and raised a mound of stone 2 ft. base, 1 1/2 ft. high. W. of cor. Pits impracticable.
47.00	Ridge. bears N.W. and S.E. 200 ft. above ravine, descend 200 ft. to
57.60	Ravine course W. ascend along E. side of ravine, course S.
79.00	Cross same, course S.W. ascend.
80.00	Set a lava stone 16x14x10 ins. 11 ins. in the ground for cor. to secs 22. 23. 26 and 27. marked 2 notches on S. and E. edges; and raised a mound of stone 2 ft. base, 1 1/2 ft. high. W. of cor. Pits impracticable.
	Land, broken.
	Soil Rocky and Gravelly 4th rate.
	No timber.

Subdivision of T. 27 S. R. 3 W. Continued.

Chains.	
	East on a random line bet. secs 23 & 26.
40.00	Set temporary ¼ Sec. Cor.
79.96	Intersect N. & S. line at cor. to secs 23, 24, 25 & 26.
	Thence I run
	West on a true line bet. secs 23 & 26.
	Ascend in scattering Cedar & Pine.
8.00	Top of ridge 100 ft. above Sec. Cor. bears N.E. & S.W. descend 400 ft. to
29.50	Head of gulch. course N.W. ascend 50 ft. to
31.50	Top of ridge. bears N.W. & S.E. descend
36.00	Head of ravine. course S.W. ascend.
39.98	Set a sandstone 18×12×6 ins. 12 ins. in the ground for ¼ Sec. Cor. marked ¼ on N. face; and raised a mound of stone 2 ft. base, 1½ ft. high. N. of cor. Pits impracticable.
48.00	Top of ridge. 250 ft. above head of ravine (heavy timber) descend 500 ft. to
78.50	Ravine. Course S.W. ascend 20 ft. to
79.96	The cor. to secs 22, 23, 26 & 27.
	Land, broken.
	Soil. Rocky & Gravelly, 4th rate.
	Timber, Cedar, scattering
	Mountainous land 79.96 chains.
	August 16 – 1896
	West on a random line bet. secs 22 & 27.
40.00	Set temporary ¼ Sec. Cor.
80.04	Intersect N. & S. line 5 lks N. of cor. to secs 21, 22, 27 & 28, which is a limestone 8×8×8 ins above ground marked and witnessed as described by the Surveyor General.
	N 89° 58' E. on a true line bet. secs 22 & 27. (true S. run)
	Ascend 50 ft. to
9.50	Point of rocky ridge. bears S.W. descend
27.20	Hollow 150 ft. below point of ridge. Course ascend.
40.02	Set a limestone 16×12×8 ins. 11 ins. in the ground for ¼ Sec. Cor. marked ¼ on N. face & raised a mound of stone 2 ft. base, 1½ ft. high. N. of cor. Pits impracticable.
44.50	Top of ridge, 600 ft. above hollow. bears N.W. & S.E. descend.

Chains.	
70.00	Ravine 600 ft. below top of ridge, course S.E. ascend.
71.96	Road, bears N. & S. descend over flat.
80.04	The cor. to secs 22. 23. 26 & 27.
	Land, broken.
	Soil. Rocky & Gravelly 4th rate.
	No timber.
	Mountainous land 80.04 chains.

	No. 01 W. bet. secs 22 & 23.
	Ascend gradually
14.08	Road, bears N.E. & S.W.
36.00	Top of ascend, 100 ft. above Sec. Cor. bears E. & W. descend gradually
40.00	Set a sandstone 18 x 12 x 10 ins. 12 ins. in the ground for 1/4 Sec. Cor. marked 1/4 on W. face; and raised a mound of stone, 2 ft. base, 1½ ft. high. W. of Cor. Pits impracticable
55.00	Ravine, 100 ft. below 1/4 Sec. Cor. course W.
57.90	Dry wash 50 lks wide, 3 ft. deep. course W.
60.00	Dry wash 50 lks wide 3 ft. deep. course W.
	Ascend, 150 ft. to
75.00	Top of rocky ridge, bears E. & W. descend 100 ft.
79.50	Head of gulch, course W. ascend.
80.00	Set a sandstone 18 x 12 x 10 ins. 12 ins. in the ground, for cor. of secs 14, 15. 22 & 23. marked 3 notches on S. & 2 notches on E. edges; and raised a mound of stone 2 ft. base, 1½ ft. high. W. of Cor. Pits impracticable,
	Land, rolling.
	Soil. Gravelly & Rocky, 3rd rate.
	No timber,
	Mountainous land 80. chains.

	East on a random line bet. secs 14 & 23
40.00	Set temporary 1/4 Sec. Cor.
80.00	Intersect N. & S. line at cor. to Secs 13. 14. 23 & 24.
	Thence I run
	West on a true line bet. secs 14 & 23.
	Descend in scattering Cedar & Pinon.

Subdivision of T. 27 S. R. 3 W. continued.

Chains.	
3.00	Ravine 200 ft. below Sec. Cor. course S. ascend
13.30	Top of Knoll 100 ft. high.
20.00	Gulch. course S. ascend
25.00	Ridge. bears N. & S. descend
40.00	Set a trachyte 17×12×10 ins. 12 ins. in the ground for 1/4 Sec. Cor. marked 1/4 on N. face & raised a mound of stones 2 ft. base. 1½ ft. high. N. of Cor. Pits impracticable.
	Mag. Decl. at this cor. 17°30' E.
	leave Cedar & pine.
55.00	Gulch 30 ft. deep. course S. ascend.
72.00	Top of ridge, bears N.E. & S.W. descend 200 ft. to
80.00	The cor. to Secs 14. 15. 22 & 23.
	Land. broken.
	Soil. Gravelly & Rocky. 3rd rate.
	Timber. Cedar & Pine. scattering
	Mountainous land 80. chains.
	Aug. 17. At this cor. I set off 13°05' N. on the decl. arc; and at 12 m. l. m. t. observe the sun on the meridian. the resulting lat. is 38°27'
	No°01' W. bet. secs 14 & 15.
	Ascend 100 ft. to
3.00	Ridge. bears E & W. descend 120 ft. to
24.60	Ravine. course W. road. bears E & W. ascend
34.30	Top of rocky ridge. 475 ft. above ravine. bears E. & W.
	Mag. decl. at this point 13° E.
35.00	Descend.
40.00	Set a red lava stone 14×10×6. 10 ins. in the ground. for 1/4 Sec. Cor. marked 1/4 on W. face; & raised a mound of stone 2 ft. base. 1½ ft. high. W. of cor. Pits impracticable.
44.40	Ravine 450 ft. below ridge. course W. stream 3 lks wide, 2 ins. deep. flows W. ascend.
60.00	Top of ridge 300 ft. above creek. bears N.E. & S.W. descend 250 ft. to
69.00	Ravine. course W. road. bears E & W. ascend
75.00	Top of ridge 150 ft. above ravine.

Subdivision of T. 27 S. R. 3 W. Continued

Chains	
	bears E. & W.
	Mag. decl. 21° 30' E.
	Descend to
80.00	Set a trachyte 16 x 9 x 3 ins. 11 ins. in the ground for Cor. to secs. 10. 11. 14 & 15. marked 4 notches on S. & 2 notches on E. edges; and raised a mound of stones 2 ft. base, 1½ ft. high. N. of Cor. Pits impracticable.
	Mag. decl. at this cor. 15° 30' E.
	Land, broken.
	Soil, Rocky, 4th rate.
	No timber.
	Mountainous land 80. chains.
	East on a random line bet. secs. 11 & 14.
40.00	Set temporary ¼ Sec. Cor.
79.94	Intersect N. & S. line 8 chs. S. of cor. to Secs. 11. 12. 13 & 14.
	thence I run
	S 89° 57' W. on a true line bet. Secs. 11 & 14.
	Descend gradually in scattering Cedars & Pines
4.20	Old road, bears N.W. & S.E.
20.00	Hollow, course S. Ascend
38.00	Ridge, bears N.E. & S.W. descend along N. side of ridge
39.97	Set a trachyte 14 x 12 x 12 ins. 10 ins. in the ground for ¼ Sec. Cor. marked ¼ on N. face; and raised a mound of stone 2 ft. base, 1½ ft. high. N. of Cor. Pits impracticable.
	Ascend gradually to
79.94	The cor. to Secs. 10. 11. 14 & 15.
	Land, broken.
	Soil, Rocky, 4th rate.
	Timber Cedar & Pine, scattering.
	Mountainous land 79.94 chains.
	August 17 - 1896.
	S. 7° 01' W. bet. secs. 10 & 11.
	Descend in scattering Cedars and pines.
9.25	Ravine, course S.W. ascend over broken land.
17.00	Wood road, bears N.E. & S.W.
40.00	Set a granite 16 x 10 x 6 ins. 11 ins. in the ground for ¼ Sec. Cor. marked ¼ on N. face; and raised

Subdivision of T. 27 S. R. 3 W. Continued.

Chains	
	a mound of stone 2 ft. base, 1½ ft. high. W. of Cor. Pits impracticable.
54.00	Top of ridge. bears E & W. descend 50 ft. to
55.25	Ravine. course N.W. ascend 150 ft. to
60.00	Top of ridge. bears E & W. descend 150 ft. to
64.00	Ravine, course W. ascend 75 ft. to
70.00	Top of ridge. bears E & W. descend 75 ft. to
72.30	Gulch. course W. ascend 80 ft. to
77.00	Top of ridge, bears E & W. descend 100 ft. to
80.00	Set a trachyte 17×12×6 ins. 12 ins. in the ground for cor. to Secs 2. 3. 10 & 11. marked 5 notches on S. and 2 notches on E. edges; and raised a mound of stone 2 ft. base, 1½ ft. high. W. of Cor. Pits impracticable.
	A cedar 12 ins. in diam. bears S 30° W 20 lks dist. marked T. 27 S. R. 3 W. S. 10. B.T.
	No other bearing trees within limits.
	Land. broken.
	Soil. Rocky & Gravelly 4th rate.
	Timber. Cedar & pine. scattering
	Mountainous land 80. chains.
	N 89°. 57' E. on a random line bet. Secs 2 & 11.
40.00	Set temporary ¼ Sec. Cor.
79.90	Intersect N & S. line 3 lks N. of cor. to secs 1. 2. 11 & 12.
	thence I run
	S 89°. 58' W. on a true line bet. secs 2 & 11.
	Descend 400 ft. to
30.00	Gulch. course N. ascend in scattering cedars & pines.
39.95	Descend.
39.95	Set a trachyte 15×12×8 ins. 10 ins. in the ground for ¼ Sec. Cor. marked ¼ on N. face; and raised a mound of stone 2 ft. base, 1½ ft. high. N. of Cor. Pits impracticable.
45.00	Gulch. course N.W. ascend 125 ft. to
50.00	Top of ridge. bears N.W & S.E. descend to
79.90	The cor. to Secs 2. 3. 10 & 11.
	Land. broken.
	Soil. Rocky & Gravelly. 4th rate.
	Timber. Cedar & Pine. scattering.

Subdivision of T. 27. S. R. 3. W. Continued.

Chains	
	Mountainous land 79.90 chains
	Aug. 18. at this cor. I set off 12°.46' N. on the decl. arc; and at 12 M. l.m.t. observe the sun on the meridian; the resulting lat. is 38°.29'.4
	N 0°.01' W. on a random line bet. secs 2 & 3.
40.00	Set temporary ¼ Sec. Cor.
80.10	Intersect N. bdy. of Tp. 3 lks W. of cor. to secs 2 & 3.
	Thence I run
	South on a true line bet. secs 2 & 3.
0.40	County road. bears N.E. & S.W. ascend in scattering Cedars & pines.
19.00	Top of ridge 300 ft. above Sec. Cor. bears N.E. & S.W. descend.
40.10	Set a porphyry stone 24×9×5 ins. 18 ins. in the ground for ¼ Sec. Cor. marked ¼ on W. face; & raised a mound of stone 2 ft. base. 1½ ft. high. W. of Cor. Pits impracticable.
	Gradual descent to
59.00	Ravine. 500 ft. below top of ridge. course S.W. ascend 300 ft. to
70.00	Top of ridge. bears E. & W. descend.
78.50	Gulch 50 ft. deep. course W. ascend to
80.10	The cor. to Secs 2.3.10 & 11.
	Land. broken.
	Soil. Gravelly & Rocky 3rd rate.
	Timber. Cedar & Pine. scattering
	Mountainous land 80.10 chains.
	Aug. 18. 1896
	From the cor. to Secs 21.22.27 & 28.
	I run
	N 0°.02' W. bet. secs 21 & 22.
	Ascend 20 ft. to
1.10	Top of ridge. bears E. & W. descend 400 ft. to
15.00	Ravine. course W. ascend.
40.00	Set a conglomerate 16×12×6 ins. 11 ins. in the ground. for ¼ Sec. Cor. marked ¼ on W. face; & raised a mound of stone 2 ft. base. 1½ ft. high. W. of cor. Pits impracticable.

Subdivision of T. 27 S. R. 3. W. Continued.

Chains.	
41.10	Top of ridge. bears E. & W. descend 500 ft. to
50.70	Cañon. course N. stream 1 lks. wide 1 in. deep
	flows N. ascend 800 ft. to
80.00	Set a Conglomerate stone 18x8x8 ins. 12 ins.
	in the ground for Cor. to Secs 15. 16. 21 & 22.
	marked
	T. 27 S. on N. E.
	R. 3. W. on S. E. with 3 notches on S. & E. edges;
	and raised a mound of stone 2 ft. base, 1½ ft.
	high. N. of Cor. Pits impracticable.
	Land. broken.
	Soil. Rocky 4th rate.
	No timber.
	Mountainous land 80. chains.
	N 89°. 58 E. on a random line bet. secs 15 & 22.
40.00	Set temporary ¼ Sec. Cor.
80.00	Intersect N. & S. line 14 lks. S. of cor. to Secs 14,
	15. 22 & 23.
	thence S. run.
	S 89°. 52' W. on a true line bet. Secs 15 & 22.
	descend 60 ft. to
7.50	Gulch. course S. W. ascend 75 ft. to
12.50	Point of ridge bears S. descend gradually
26.50	Road bears N. & S.
40.00	Set a sandstone 18x8x6 ins. 12 ins. in the
	ground for ¼ Sec. Cor. marked ¼ on N. face; &
	raised a mound of stone 2 ft. base, 1½ ft. high.
	N. of Cor. Pits impracticable.
54.20	Ravine 200 ft. below Sec. Cor. Course S.
55.50	Dry wash 30 lks. wide. 4 ft. deep. course S. ascend
58.00	Ascend steep side hill 600 ft.
65.00	Point of ridge. bears S. descend
68.00	Gulch 200 ft. deep. course S. ascend to
80.00	The cor. to secs 15. 16. 21 & 22.
	Land. broken.
	Soil. Gravelly & Rocky 3rd rate.
	No timber.
	Mountainous land 80. chains.

Subdivision of T. 27 S. R. 3 W. Contd.

Chains.	
	N 89° 45' W. on a random line bet. secs 16 & 21
40.02	Intersect 6 lks S. of the old 1/4 Sec. Cor. which is a stationary conglomerate 28 x 24 x 24 ins. above ground, marked & witnessed as described by the Surveyor General.
	Thence I run on a true line S 89° 50' E. bet. secs 16 & 21. from the 1/4 Sec. Cor.
	Descend 80 ft. to
1.80	Ravine. course S. ascend 800 ft. to
35.50	Spur of ridge. bears NW. thence along ridge to
36.50	Foot of ridge. bears N.E. & S.W. descend 50 ft. to
40.02	The cor. to secs 15. 16. 21 & 22.
	Land, broken.
	Soil, Rocky & poor.
	No Timber.
	Mountainous land 40.02 chains.
	August 19. At this cor. I set off 12° 26' N. on the lat. arc; and at 12 h. l.m.t. observe the sun on the meridian; the resulting lat. is 38° 27' N.
	N 0° 02' W. bet. secs 15 & 16.
	Ascend 60 ft. to
0.80	Foot of ridge, bears N.E. & S.W. descend.
5.50	Hollow, course W. ascend 150 ft. to
16.00	Foot of rocky cliff 60 ft. high. ascend.
16.60	Foot of rocky peak 50 lks wide. 1 ch. long E. & W. descend 60 ft. to
17.30	Foot of cliff. descend 250 ft. to
25.00	Head of ravine. course W. ascend
38.10	Foot of rocky ridge. bears N.W. & S.E. thence along E. side of ridge.
40.00	Set a Conglomerate stone 16 x 10 x 6 ins. 11 ins. in the ground for 1/4 Sec. Cor. marked 1/4 on W. face; and raised a mound of stone 2 ft. base, 1½ ft. high W. of Cor. Pits impracticable.
40.50	Descend steep hillside.
71.75	Ravine 600 ft. below 1/4 Sec. Cor. course N.W. Dry wash 30 lks wide. 3 ft. deep. course W. ascend
80.00	Ridge bears E. & W. Set a sandstone 16 x 12 x 7 ins. 11 ins. in the ground for cor. to Secs 9. 10.

Subdivision of T. 27 S. R. 3 W. Continued.

Chains	
	15 & 16. marked 4 notches on S. & 3 notches on E. edges; & raised a mound of stone 2 ft. base, 1½ ft. high, W. of cor. Pits impracticable. Land, broken. Soil, Rocky & Gravelly 4th rate. No timber. Mountainous land 80. chains.
	N. 89° 50' W. on a random line bet. secs 9 & 16.
40.00	Set temporary ¼ Sec. Cor.
80.10	Intersect N. & S. line 5 lks N. of cor. to secs. 8. 9. 16 & 17. which is a granite 10x12x12 ins. above ground, marked & witnessed as described by the Surveyor General. Thence I run S. 89° 52' E. on a true line bet. secs 9 & 16 descend
8.50	Gulch 100 ft. deep, course S. W. ascend.
20.60	Ridge. bears N. E. & S. W. descend
25.70	Ravine 80 ft. deep, course S. W.
27.00	County road. bears N. E. & S. W.
27.70	Ascend
40.05	Set a Conglomerate stone 16x10x6 ins. 11 ins. in the ground for ¼ Sec. Cor. marked ¼ on N. face; and raised a mound of stone 2 ft. base, 1½ ft. high. N. of Cor. Pits impracticable.
48.90	Point of ridge 400 ft. above r. wind. bears N. W. descend 300 ft. to
58.00	Ravine. course N. W. ascend.
66.60	Ridge. 500 ft. above ravine. bears N. W. & S. E. descend 300 ft. to
80.10	The cor. to secs 9. 10. 15 & 16. Land, broken. Soil, Rocky & Gravelly 4th rate. No timber. Mountainous land 80.10 chains.
	N. 89° 52' E. on a random line bet. secs 10 & 15.
40.00	Set temporary ¼ Sec. Cor.
80.08	Intersect N. & S. line 19 lks. N. of cor. to

Subdivision of T. 27 S. R. 3 W. Continued

Chains	
	secs 10.11.14 & 15.
	thence I run
	West on a true line bet. secs 10 & 15
	Ascend in scattering cedar & pine.
3.00	Top of ridge. bears N.W. & S.E. descend along
	S. side of ravine.
34.40	Wood road, bears N & S.
40.04	Set a trachyte 14×6×3 ins. 10 ins. in the
	ground for 1/4 Sec. Cor. marked 1/4 on N. face;
	& raised a mound of stone 2 ft. base, 1 1/2 ft.
	high. N. of cor. Pits impracticable.
64.00	Ravine course W. from N.E. leave cedar & pine
68.50	Leave ravine, course N.W. ascend 80 ft. to
78.00	Road N.W. & S.E.
80.08	The cor. to secs 9.10.15 & 16.
	Land, rolling.
	Soil. Rocky & Gravelly 4th rate.
	Timber, Cedar & Pine. scattering
	Mountainous land 80.08 Chains
	August 19 1896
	No. 02' W. bet. secs 9 & 10.
	Descend.
1.60	Road. bears N.W. & S.E.
5.20	Ravine. 80 ft. below Sec. Cor. course N.W.
	dry wash 20 lks wide, 2 ft. deep, course N.W.
7.00	ascend 100 ft. to
9.50	Point of ridge. bears W. descend 150 ft. to
19.00	Gulch. course W. ascend
27.00	Point of ridge 150 ft. high. descend.
40.00	Set a sandstone 16×12×6 ins. 11 ins. in the
	ground for 1/4 Sec. Cor. marked 1/4 on W. face;
	and raised a mound of stone 2 ft. base,
	1 1/2 ft. high. W. of cor. Pits impracticable.
42.80	Gulch. course W. ascend.
47.00	Point of ridge 50 ft. high, bears W. descend.
49.00	Gulch. course W. ascend.
50.25	Point of ridge. 50 ft. high. bears W. descend
52.50	Bottom of Cañon. course W.
59.50	Leave bottom, ascend in gulch. course S.
66.50	Enter scattering cedars.
72.00	Leave gulch. heads about 13 chs N.E.
80.00	Top of ridge. bears N.E. & S.W. Set a sandstone

See cor notes page 1

Subdivision of T. 27 S. R. 3 W. Continued

Chains	
	18 x 12 x 7 ins. 12 ins. in the ground for Cor. to Secs. 3. 4. 9 & 10. marked 5 notches on S. & 3 notches on E. edges; and raised a mound of stone 2 ft. base, 1½ ft. high. N. of cor. Pits impracticable.
	Land, broken.
	Soil, Rocky & Gravelly 3rd rate.
	Timber, Cedar, scattering
	Mountainous land 80. chains.
	East on a random line bet. Secs. 3 & 10.
40.00	Set temporary ¼ Sec. Cor.
80.06	Intersect N. & S. line 17 lks N. of cor. to Secs. 2. 3. 10 & 11.
	thence S. run
	N 89° 53' W. on a true line bet. secs. 3 & 10.
	Enter scattering cedars, descend
30.00	Bottom of Cañon 600 ft. below Sec. Cor. course S.
31.50	Leave bottom, ascend.
36.80	Top of ridge 150 ft. above cañon, bears N. & S. descend.
40.03	Set a sandstone 18 x 11 x 7 ins. 12 ins. in the ground for ¼ Sec. Cor. marked ¼ on N. face; & raise a mound of stone 2 ft. base, 1½ ft. high. N. of cor. Pits impracticable.
40.50	Gulch 45 ft. deep, course S. ascend.
44.00	Point of ridge, bears S. descend
50.00	Gulch 200 ft. deep, course S. ascend
54.50	Top of ridge, bears N. & S. descend to hollow
70.00	Gradual ascent to
80.06	The cor. to Secs. 3. 4. 9 & 10
	Land, broken.
	Soil, Gravelly & Rocky 3rd rate.
	Timber, cedar, scattering
	Mountainous land 80.06 chains.
	August 20 - At this cor. I set off 12° 06' N. on the decl. arc; and at 12 M. l. m. t. observe the sun on the meridian; the resulting lat. is 38° 29' N.

Subdivision of T. 27 S. R. 3 W. Continued

Chains	
	N 89° 52' W. on a random line bet. secs 4 & 9.
40.00	Set temporary 1/4 Sec. Cor.
80.00	Intersect W. & S. lines 18 lks N. of cor. to secs 4. 5. 8 & 9. which is a stationary Quartzite 20x12x12 ins. above ground, marked and witnessed as described by the Surveyor General.
	thence I run
	East on a true line bet. secs 4 & 9.
	Ascend 50 ft. to
2.50	Top of ridge, bears N.E. & S.W. descend
14.00	Gulch, course S. ascend
22.00	Descend,
25.50	Gulch, course S. ascend
30.00	Point of ridge, bears S. descend,
40.00	Set a sandstone 18x13x7 ins. 12 ins. in the ground, for 1/4 Sec. Cor. marked 1/4 on N. face, and raised a mound of stone 2 ft. base, 1½ ft. high, N. of Cor. Pits impracticable.
47.80	Gulch, 80 ft. deep, course S. ascend
53.50	Ridge, bears N.E. & S.W. descend,
60.50	Gulch, 50 ft. deep, course S.W. ascend
63.50	Ridge, bears S.W. descend,
67.80	Gulch, 50 ft. deep, course S.W. ascend,
73.00	Ridge, bears S.W. descend,
75.25	Ravine, course S.W.
76.30	County road, bears N.E. & S.W.
77.30	Ascend, 50 ft. to
80.00	The cor. to secs 3. 4. 9 & 10.
	Land, broken.
	Soil: Gravelly & Rocky 3rd rate.
	No timber,
	Mountainous land 80. chains.
	N 0°. 02' W. on a random line bet. secs 3 & 4.
40.00	Set temporary 1/4 Sec. Cor.
80.04	Intersect W. bdy. of Lot. at cor. to secs 3 & 4
	thence I run
	S 0°. 02' E. on a true line bet. secs 3 & 4.
	Enter scattering cedars, descend 80 ft. to
6.00	Hollow, course E. ascend 300 ft. to
12.00	Top of ridge, bears N.W. & S.E. descend 600 ft. to

Subdivision of S. 27. T. 1. R. 3. W. Continued.

Chains.	
40.04	Set a sandstone 16×12×8 ins. 11 ins. in the ground for 1/4 Sec. Cor. marked 1/4 on W. face; and raised a mound of stone, 2 ft. base, 1½ ft. high. W. of Cor. Pits impracticable.
50.00	Ravine. Course S. E. ascend
59.70	Point of ridge. bears E. descend
67.00	Ravine. Course S. E.
68.50	County road. bears N. E. & S. W.
69.50	Ascend to
80.04	The cor. to Secs 3-4-9 & 10.
	Land. broken.
	Soil. Gravelly & Rocky 3rd rate.
	Timber. cedar. scattering
	Mountainous land 80.04 chains.
	From the cor. to Secs 4. 5. 8 & 9
	I run
	N. 0°. 03' W. on a random line bet. Secs 4 & 5.
40.00	Set temporary 1/4 Sec. Cor.
80.00	Intersect N. bdy. of the township 3 chs W. of cor. to Secs 4 & 5.
	thence I run
	S. 0°. 02' E. on a true line bet. secs 4 & 5.
	Ascend 60 ft. in scattering cedars.
2.30	Point of ridge. bears W. descend 100 ft. to
8.50	Gulch. course W. ascend 300 ft. to
29.50	Top of ridge bears N. E. & S. W. leave cedars. descend.
39.50	Ravine. course S. W. ascend.
40.00	Set a red lava rock 12×8×4 ins. 8 ins. in the ground for 1/4 Sec. Cor. marked 1/4 on W. face; and raised a mound of stone 2 ft. base, 1½ ft. high. W. of Cor. Pits impracticable.
42.00	Descend from ridge bearing N. E. & S. W.
43.50	Gulch. course S. W. ascend.
47.00	Point of ridge. bears N. E. & S. W. descend.
50.25	Ravine. course S. W. ascend.
65.00	Ridge. bears E. & W. descend.
74.50	Ravine. course S. W. ascend.
76.50	Point of ridge. bears S. W. descend.
78.90	Gulch. course S. W. ascend to

Subdivision of T. 27 S. R. 3 W. Continued.

Chains	
80.00	Thr. cor. to Secs. 4.5.8 & 9.
	Land broken.
	Soil. Gravelly & Rocky 3rd rate
	Timber. Cedar.
	Mountainous land 80. chains.
	August 20 - 1896.
	From the 1/4 Sec. cor. bet. secs. 7 & 18. which is a stationary granite 60 x 50 x 40 ins. above ground, marked & witnessed as described by the Surveyor General.
	I run
	S 89°. 45' W. on a random line bet. secs. 7 & 18.
38.10	Intersect the W. bdy. of L/S at cor. to secs. 7.12.13 & 18.
	Thence I run
	N 89°. 45' E on a true line bet. secs. 7 & 18
	Ascend 200 ft. to
9.30	Point of ridge, bears S. descend 300 ft. to
25.40.	Ravine. Course S. E. ascend.
29.00	Point of ridge 50 ft. high to bears S. descend.
38.10	Thr 1/4 Sec. Cor. in ravine course N. E.
	Land broken.
	Soil. Rocky 4th rate.
	No timber
	Mountainous land 38.10 chains.
	From the meander cor. on S. side Lewis River, on line bet. secs. 7 & 18. which is a stake 3 ins. in diam 2 1/2 ft. long above ground no marks. at North 59.50 chs. from Cor. to Secs. 7.8.17 & 18
	I run
	N 0°. 03' W bet. secs. 7 & 18.
	Enter bottom.
0.50	Lewis River. 150 lks wide course W.
3.50	Leave bottom. ascend 400 ft. to
20.50	Top of Knoll, ridge, bears N. E. & S. W. Set a lava rock 18 x 14 x 10 ins. 12 ins. in the ground for cor. to Secs. 5. 6. 7 & 8. marked 5 notches on S. & E. edges, and raised a mound of stone 2 ft. base, 1 1/2 ft. high. W. of cor. Pits impracticable.

Subdivision of T. 27 S. R. 3 W. Continued.

Chains	
	Land. bottom & broken.
	Soil. Gravelly & Rocky 3rd & 4th rate.
	No timber.
	N. 89°. 50'. E. on a random line bet. secs 5 & 8
40.00	Set temporary 1/4 Sec. Cor.
80.06	Intersect W. bd. line 23 lks N. of cor. to secs 4. 5. 8 & 9.
	Thence I run
	West on a true line bet. secs 5 & 8.
	Descend
1.20	Ravine. course S.W. ascend
3.00	Ridge. bears S.W. descend 15 ft. to
5.50	Gulch. course S.W. ascend 15 ft. to
9.00	Point of ridge. bears S.W. descend 150 ft. to
16.60	Ravine course S. ascend
20.00	Point of ridge. bears S. descend.
30.00	Enter flat sloping W.
33.30	Road. bears NW & S.E.
36.25	Road. bears N.W. & S.E.
40.03	Set a Granite 18x10x8 ins. 12 ins. in the ground for 1/4. Sec. Cor. Marked 1/4 on N. face; and raised a mound of stone 2 ft. base. 1½ ft. high. N. of Cor. Pits impracticable.
47.55	Road. bears N. & S. ascend 150 ft. to
52.75	Top of ridge; bears N & S. descend
58.25	Gulch. 30 ft. deep. course S. ascend 250 ft. to
80.06	The cor. to secs 5. 6. 7 & 8.
	Land. broken.
	Soil. Gravelly & Rocky 3rd rate.
	No timber.
	West on a random line bet. secs 6 & 7.
40.00	Set temporary 1/4 Sec. Cor.
78.12	Intersect W. bdy. of Lot 1 at cor. to secs 1. 6. 7 & 12.
	Thence I run
	East on a true line bet. secs 6 & 7.
	Enter scattering cedars. descend
4.50	Gulch 50 ft. deep. course N. ascend
7.50	Point of ridge. bears N. descend.

Subdivision of T. 27 S. R. 3. W. Contin

Chains	
12.20	Head of rocky gulch 50 ft. deep. course N. ascend
15.00	Point of ridge. bears N. leave Cedars descend 300 ft.
25.00	Enter bottom of ravine course S. E.
29.00	Ascend.
38.00	Point of ridge 40 ft. high. bears S. descend.
38.12	Set a boulder 16×14×10 ins. 11 ins. in the ground for 1/4 Sec. cor. marked 1/4 on N. face; and raised a mound of stone 2 ft. base. 1 1/2 ft. high. N. of Cor. Pits impracticable.
43.50	Enter bottom.
53.18	Sevier river 80 lks wide. 1 ft. deep flows N.
63.00	Leave bottom, ascend 400 ft. to
78.12	The cor. to Secs 5. 6. 7 & 8.
	Land, bottom & broken hills.
	Soil Rocky, 4th rate.
	Timber. Scattering Cedars.
	North 0°.03' W. on a random line bet. secs 5 & 6.
40.00	Set temporary 1/4 Sec. Cor.
80.02	Intersect N. bdy. of Tp. 8 lks W. of cor. to secs 5 & 6.
	Thence I run
	South on a true line bet. Secs 5 & 6.
	Ascend 300 ft. to
12.00	Top of ridge. bears E & W. descend 200 ft. to
25.00	Gulch. 50 ft. deep. course N. E. descend over ridge. bearing S. E.
40.02	Set a limestone 15×12×8 ins. 10 ins. in the ground for 1/4 Sec. Cor. marked 1/4 on W. face; and raised a mound of stone 2 ft. base, 1 1/2 ft. high. W. of cor. Pits impracticable.
42.00	Enter gulch. course S.
55.00	Mouth of gulch, joins ravine course W.
59.60	Road. bears E & W. ascend 300 ft. to
80.02	The cor. to secs 5. 6. 7 & 8.
	Land, broken.
	Soil Rocky & Gravelly, 4th rate.
	No timber.

August 21 - 1896

Subdivision of T. 27 S. R. 3 W. continued.

General Description.

The land embraced in my survey of this township is mostly broken volcanic mountains mostly covered with grass and scattering cedars, and is fair grazing land. There is some land fit for agriculture but there is no water for irrigation. The Lewis River runs through the township from South to North but it is impossible to bring the water upon any part of the eastern side of the township by means of canals on account of the elevation above the river, which is from 500 ft. to 1000 ft.

There is considerable local attraction in the eastern part of the township, the needle varying several degrees from its true meridian.

There is no minerals of value found in the township, as surveyed by me.

Absolem Blanchetty D.E. 397. lives in the S.W.¼ of Sec. 8. and has a good house and stables, with several acres under cultivation in said ¼ Sec. but no improvements on land embraced in my survey.

Joshua W. Sylvester D.E. 1018. could not be found at the time of making my survey.

John T. Brechow
U. S. Deputy Surveyor.

Re survey of Subdivisions of T. 27 S. R. 3 W.

From the cor. to Secs 13.18.19 & 24. re-established by me July 21-1896.
I run
N 89° 45' E on a resurvey line bet. secs 18 & 19.
39.80 To the old 1/4 Sec. Cor. which is a granite 8x12x10 ins above ground marked and witnessed as described by the Surveyor General.
79.80 To the old cor. to Secs 17.18.19 & 20. which is a Quartzite 6x12x8 ins. above ground marked & witnessed as described by the Surveyor General.

North bet. secs 17 & 18. on a resurvey line.
40.00 No trace of old corner
80.00 No trace of old corner to Secs 7.8.17 & 18 but point determined from bearing trees marked as described by the Surveyor General, bears West 1.44 chains.

From point so determined for cor. to secs 7.8.17 & 18.
I run
West bet. secs 7 & 18.
40.00 The old 1/4 Sec. Cor.

From same point
I run
North bet. secs 7 & 8.
4.00 Absolem Blanchette's house bears E. about 3 chains.
40.00 A stake 4 ins. in diam. 2½ ft. above ground at cor. of fence. bearing E. & W. No marks. No trace of stone.
59.50 To the old meander Cor. on S. side of Sevier River, which is a stake 3 ins. sq. 2½ ft. above ground. No marks.

August 21-1896.

John T. Buckow
U. S. Deputy Surveyor

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List of Names.

A list of the names of the individuals employed by John T. Brecken, U. S. Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the survey of the subdivisions of T. 27 S. R. 5 & 4 W.

of the Salt Lake Base and Meridian, in Utah, showing the respective capacities in which they acted:

Don. MacFadyean Chainman
Jackson Gardner Chainman
J. C. Sorensen Axeman
Edward C. McCarty Axeman

Final Oath of Assistants:

We hereby certify that we assisted John T. Brecken, U. S. Deputy Surveyor, in surveying all those parts or portions of the subdivisions of T. 27 S. R. 5 & 4 W.

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

Don. MacFadyean Chainman
Jackson Gardner Chainman
J. C. Sorensen Axeman
Edward C. McCarty Axeman

Subscribed and sworn to before me this 25 nd day of August, 1896.

SEAL

Homer McCarty
Notary Public
My Commission Expires Nov. 26th 1897

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Final Oath of U. S. Deputy Surveyor.

I, _____, U. S. Deputy Su

solemnly swear that, in pursuance of instructions received from _____

Surveyor General for _____, bearing date of the _____

_____, 18 , I have well, faithfully, and truly, in my own proper person, and

conformity with the instructions furnished by the U. S. Surveyor General for _____

surveying manual, and the laws of the United States, surveyed all those parts or portions of _____

_____

_____

_____

_____

_____Meridian, in the_____, as are represented in the

going field notes as having been surveyed by me, and under my directions; and I do further solemnly swear

the corners of said survey have been established and perpetuated in strict accordance with the surveying

printed instructions, the special written instructions of the U. S. Surveyor General for_____

and in the specific manner described in the field notes, and that the foregoing are the true field notes of such

and should any fraud be detected, I will suffer the penalty of perjury under the provisions of an Act of Co

approved August 8, 1846.

_____

U. S. Deputy Surve

Subscribed and sworn to before me this _____

day of _____, 18 .

SEAL

_____

_____

Approval.

Office of the U. S. Surveyor General,

Salt Lake City Utah March 27, 1897.

The foregoing field notes of the survey of the subdivisions of Township 2 South Range 3 West of the Salt Lake Base and Meridian, Utah

_____

_____

_____

_____

_____ execu

John T. Breckin

under his Contract No. 205, dated January 4th, 1896 having been cri

examined, the necessary corrections and explanations made, the said field notes, and the surveys they describ

hereby approved.

George W. Lyons

U. S. Surveyor Gen

I certify that the foregoing transcript of the field notes of the above-described surveys in _____

_____, has been correctly copied from the original notes on file in this office.

_____

U. S. Surveyor Gen

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4—679.

BOOK A-248

Corrective

FIELD NOTES

OF THE SURVEY OF THE

Subdivision of C. 27. S. R. 3. W

Of the Salt Lake Band Meridian,

State of Utah.

AS SURVEYED BY

John T. Breckon, United States Deputy Surveyor,

der his Contract No. 205, dated January 4", 1896

Hon. Commissioner's letter "C" dated April 24" 1896.

rvey commenced May 15", 1898

rvey completed May 15", 1898

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NAMES AND DUTIES OF ASSISTANTS.

Homer McCarty Chainman

Alexander Morrison Chainman

Jared Wilkinson Axeman & Flagman

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BOOK A-248

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 t
chain over even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; th
we will report the true distances to all notable objects, and the true lengths of all lines that we assist
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 establishme
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 corn
and other duties, according to instructions given us, to the best of our skill and ability, in the survey

.....

.....*, Axme*

.....*, Axme*

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

SEAL

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

.....*, Flagm*

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

SEAL

Corrective field Notes of Subdivision of T. 27 S. R. 3 W.

Survey Commenced May 15th 1898.
From the cor. to Secs 9.10.15 & 16. which is a sandstone 16x12x7 ins. above ground marked & witnessed as described in original field notes.
I run
East on a random line bet. Secs 10 & 15.
40.00 The 1/4 cor. bears S. 8 lks dist.
80.00 Intersect N. & S. line 16 lks N. of cor. to Secs 10.11.14 & 15. which is a trachyte 6x9x3 ins. above ground. marked and witnessed as described in original field notes.
thence I run
N 89° 53' W. on a true line bet. secs 10 & 15
40.00 The 1/4 Sec. Cor. which is a sandstone 4x10x6 ins. above ground. marked & witnessed as described in original field notes.
80.00 The cor. to Secs 9.10.15 & 16.
Topography as returned in original field notes.
Land rolling.
Soil Rocky & Gravelly 4th rate.
Timber Scattering cedars & pines.
Mountainous land 80. chs.
May 15th 1898.

John T. Buckon
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

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

.....

wing 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

se parts or portions of the .....

.....

.....

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

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

he foregoing field notes as having been surveyed by him and under his direction; and that said survey

been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the

ner monuments established, according to the instructions furnished by the United States Surveyor

neral for .....

....., *Chainman.*

....., *Chainman.*

....., *Moundman.*

....., *Moundman.*

....., *Axman.*

....., *Axman.*

....., *Flagman.*

.....

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

day of ....., 189

SEAL

.....

.....

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

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

.....

.....

.....

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

.....

United States Deputy Surv[illegible]

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 8th 189[illegible]

The foregoing Corrective field notes of the survey of the Subdivisions of Tp. 27 South Range 3 West of the Salt Lake Base and Meridian Utah

.....

.....

.....

.....

executed by John T. Breckon under his contract No. 205, dated January 4th, 1896 + Hon. Commr. letter to dated [illegible] having b[illegible] critically examined, and the necessary corrections and explanations made, the said field notes, and [illegible] surveys they describe, are hereby approved.

Jacob B. Bla[illegible]

United States Surveyor Gen[illegible]

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[illegible]

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BOOK A-248

FIELD NOTES

OF THE SURVEY OF

Boundaries of T. 23 S. R. 2 W.

Of the Salt Lake Base & Meridian,

State of Utah

AS SURVEYED BY

John T. Brechow U. S. Deputy Surveyor,

[illegible]er his Contract No. 205, dated January 4th 1896.

[illegible]ey commenced August 23rd, 18[illegible].

[illegible]ey completed August 27th, 1896.

[illegible]

N. Bdry. high m. sh. lks. 79-70 ✓
Low 1-00-00 ✓

W. Bdry. high 2-00-12 ✓

E. Bdry. Low 4-00-08 ✓

Names and Duties of Assistants.

Constant Thueson	Chainman
Chris Sorenson	Chainman
Chas Thomson	Axeman

BOOK A-248

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Meanders Page

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Preliminary Oaths of Assistants.

We, Joshua Gardner, H. E. Van Aelstyn, Chas. Sorensen and Constant Thueson

do solemnly swear that we will well and faithfully execute the duties of chain carriers; that we will level the chain over even and uneven ground, and plumb the tally-pins either by sticking or dropping the same; that we will [illegible] the true distance to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us in the survey of the Boundaries of T23 S. R. 2 W. T22 S. R. 2 W. T24 S. R. 4 W. T23 S. R. 3 W. and T22 S. R. 2½ and 3 W. T24 S. R. 3 W. and T25 S. R. 4 W. of the Salt Lake Base and Meridian.

Joshua Gardner, Chainman
H. E. Van Aelstyn, Chainman
Chris Sorensen, Chainman
Constant Thueson, Chainman

Subscribed and sworn to before me this 22nd day of August, 1896.

Homer McCarty
Notary Public
My Comm. Expires Nov. 26th 1897

We, Chas. Thomson and A. J. Parry and H. E. Van Aelstyn

do solemnly swear that we will well and truly perform the duties of axemen in the establishment of corners and other duties, according to instructions given us, and to the best of our skill and ability, in the survey of the Boundaries of T23 S. R. 2 W. T22 S. R. 2 W. T24 S. R. 4 W. T23 S. R. 3 W. and T22 S. R. 2½ and 3 W. T24 S. R. 3 W. and T25 S. R. 4 W. of the Salt Lake Base and Meridian.

Subscribed and sworn to before me this 22nd day of August, 1896.

Chas. Thomson, Axeman
A. J. Parry, Axeman
H. E. Van Aelstyn, Axeman

Homer McCarty
Notary Public
My Comm. Expires Nov. 26th 1897

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North boundary of T. 23 S. R. 2 W.

Chains.

Survey commenced Aug 23 - 1896. with a Gurley Mountain transit with solar attachment. The horizontal limb is provided with two double verniers placed opposite to each other, reading to single minutes of arc, which is also the least count of the verniers of the latitude and declination arcs.

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

Aug-23. At the cor. to Secs 4. 5. 32 & 33. on the N. bdy. of T. 23 S. R. 2 W. which is a sandstone 12 x 10 x 8 ins. above ground marked 2 notches on N. & 4 notches on E. edges; with a mound of stone 3 ft. base, 2 ft. high around cor. Lat - 38°.51' N. Long. 112°.05' W. at 4h 40m P. M. l. m. t. I set off 38°.51' on the lat. arc; 11°.04' N on the decl. arc; determine with the solar a true meridian; and mark a point thereof on a stone firmly set in the ground 5.00 chs. N. of the Cor. At 9h 14m P. M. l. m. t. I observe Polaris at its eastern elongation, in accordance with Manual of Instructions, and mark a point on the line thus determined on a plug driven in the ground 5.00 chs. N. of my station.

Aug 23 - 1896

Aug 24. At 6h 30m A. M. l. m. t. I lay off the azimuth of Polaris, 1°.35' to the west and mark the true meridian, thus determined by cutting a small groove in the stone set Aug. 23. on which the true meridian falls 0.2 ins. east of the mark determined by the solar. At 6h 50m a. m. l. m. t. I set-off 38°.51' on the lat. arc; 10°.51' N. on the decl. arc; and mark a point on the true meridian determined

North boundary of T. 23 S. R. 2 W. Continued

Chains	
	with the solar, by a cross on the stone already set 5.00 chains N. of my station; this mark falls 0.3 ins east of the true meridian established by the Polaris observation.
	The solar apparatus by P.M. & A.M. observations, defines positions for true meridians, respectively about 0°.10" west and 0°.16" east of the true meridian established by the Polaris observations; therefore I conclude the adjustments of the instrument are satisfactory.
	The magnetic bearing of the true meridian at 7 A.M. is N 16°.05 W. the angle thus determined, reduced by the table, page 100, gives the mean mag. decl. 15°.59' E.
	I begin at the cor. to secs 4.5.32 & 33. as before described.
	And run
	West bet. secs 5 & 32.
	Ascend gradually over foot hills
40.00	Set a sandstone 18x11x5 ins. 12 ins. in the ground, for ¼ Sec. Cor. marked ¼ on N. face; & raised a mound of stone 2 ft. base, 1½ ft. high. N. of cor. Pits impracticable.
	Enter scattering cedars.
60.00	Steeper ascent.
80.00	Set a sandstone 18x12x6 ins. 12 ins. in the ground, for cor. to secs 5.6.31 & 32, marked 5 notches on E. & 1 notch on N. edges; and raised a mound of stone 2 ft. base, 1½ ft. high. N. of cor. Pits impracticable.
	Land bench.
	Soil. Gravelly & Rocky. 3rd rate.
	Timber. Cedars scattering.
	West bet. secs 6 & 31.
	Descend in scattering cedars.
20.00	Ravine. course S. E. Ascend rocky hillside
40.00	Set a sandstone 16x8x4 ins. 11 ins. in the ground for ¼ Sec. Cor. marked ¼ on N. face; and raised a mound of stone 2 ft. base, 1½ ft. high. N. of

North boundary of T. 23 S. R. 2 W. Continued.

Chains	
	cor. Pits impracticable.
40.90	Top of ridge. 800 ft. above ravine. bears N.W. & S.E. descend gradually.
45.10	Leave top. descend 500 ft. to
72.20	Ravine. course S. ascend
78.25	Set temporary cor. to T. 22 & 23. S. Rs. 2 & 2½ and 3 W.
	Thence after I run the west boundary of this township and establish the cor. to Tps 22 & 23 S. Rs. 2 and 2½ & 3 W. I destroy the temporary cor. and at
79.70	The cor. to Tps 22 & 23 S. Rs 2 and 2½ & 3 W.
	Land. broken mountains.
	Soil, rocky 4th rate.
	Timber. Cedar, scattering
	Mountainous land 79.70 chains.
	From the cor. to Secs 7. 12. 13 & 18. on the West boundary of the township, which is a sandstone 10×12×8 ins. above ground, marked 4 notches on S. & 2 notches on N. edges; with a mound of stone 2½ ft. base, 2 ft. high W. of cor.
	I run
	North bet. secs 7 & 12.
	Ascend.
21.00	Point of ridge, bears E. descend.
26.50	Ravine. course E. ascend. enter scattering cedars.
40.00	Set a limestone 18×12×8 ins 12 ins in the ground. for ¼ Sec. Cor. marked 4 on W. face; and raised a mound of stone 2 ft. base. 1½ ft. high. W. of cor. Pits impracticable.
62.00	Point of bluffs. bears E. descend. 200 ft. to
65.50	Mouth of Willow Creek Cañon. course S. E. enter bottom.
69.10	Dry wash 50 lks wide. 3 ft. deep. course S. E.
80.00	Set a sandstone 18×14×10 ins. 12 ins. in the ground. for cor. to Secs 1. 6. 7 & 12. marked 5 notches on S. & 1 notch on N.

West boundary of T. 23. S. R. 2. W. Continued

Chains	
	edges; and raised a mound of stones 2 ft. base, 1½ ft. high. W. of Cor. Pits impracticable. Land broken. Soil. Rocky 4th rate. Timber. Cedar & Pine scattering Mountainous land 80 - chains.
	North bet. Secs 1 & 6.
	Ascend rocky ledges.
4.00	Top of ledges. 250 ft. above Sec. Cor. ascend gradually in scattering Cedars & pines.
40.00	Set a Sandstone 18×12×6 ins. 12 ins. in the ground for ¼ Sec. Cor. marked ¼ on W. face; and raised a mound of stone 2 ft. base, 1½ ft. high. W. of Cor. Pits impracticable.
59.00	Top of ascent. bears N.W. & S.E. descend rocky side of ravine
65.50	Ravine 150 ft. deep course S.E. ascend to
80.12	Intersect 145 lks W. of temporary cor. set a Flint-stone 16×8×6 ins. 11 ins. in the ground, for cor. to Tps 22 & 23 S. R's 2 and 2½ & 3 W. marked
	22 S. on N.E.
	2 W. on S.E.
	23 S on S.W.
	2½ W. on N.W. faces; with 6 notches on each edge; from which.
	A pine 20 ins. in diam. bears N 88°20' E 53 lks dist: marked T. 22. S. R. 2. W. S. 31. B.T.
	A pine 15 ins. in diam. bears S 25°50' E 60 lks dist: marked T. 23. S. R. 2. W. S. 6 B.T.
	A pine 6 ins. in diam. bears S 62°20' W. 31 lks dist: marked T. 23. S. R. 3. W. S. 1. B.T.
	A pine 8 ins. in diam. bears N 81°40' W 42 lks dist: marked T. 22. S. R. 2½ W. S. 36. B.T.
	Land broken.
	Soil. Rocky 4th rate.
	Timber. Cedar & Pine scattering
	Mountainous land 80.12 Chains.
	Aug. 24 - 1896

5

East boundary of T. 23 S. R. 2 W.

I begin at the cor. to secs 7. 12. 13 & 18. on the east boundary of the township, which is a trachyte 8×10×6 ins. above ground marked and witnessed as described by the Surveyor General

thence I run

South on a random line along the east bdy. of the township, setting temporary 1/4 Sec. & Sec. cors. at intervals of 40. chains and at 160.08 chains intersect the cor. to Secs 19. 24. 25 & 30. which is a trachyte 7×12×10 ins. above ground marked & witnessed as described by the Surveyor General

thence I run

North bet. secs 19 & 24.

Enter flat

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

22.70 Dry wash 30 lks wide 2 ft. deep. course W.

25.00 County road, bears West 50 lks dist.

32.50 Leave flat; ascend.

36.00 Low ridge, bears W. descend.

40.00 Set a trachyte 14×10×9 ins. 10 ins. in the ground, for 1/4 Sec. Cor. marked 1/4 on W. face; and raised a mound of stone 2 ft. base, 1½ ft. high. W. of cor. Pits impracticable.

57.00 County road. bears N 10° E & S 10° W.

64.00 Dry wash 12 lks wide 3 ft. deep. in bottom of Gulch. course S.W. ascend to

80.00 Set a trachyte 17×12×10 ins. 12 ins. in the ground for cor. to secs 13. 18. 19 & 24. marked 3 notches on S & N. edges; and raised a mound of stone 2 ft. base, 1½ ft. high. W. of Cor. Pits impracticable.

Land. broken.

Soil, gravelly & Rocky 3rd rate.

No timber.

See cor. not. Book VIII. page 315

North bet. secs 13 & 18.

Enter scattering scrub cedars, ascend.

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

28.00 Head of ravine, course W. road. bears E & W

East boundary of T. 23 S. R. 2 W. Continued

	Chains	
		ascend,
	40.00	Set a trachyte 16 x 10 x 6 ins. 11 ins. in the ground for 1/4 Sec. Cor. marked 1/4 on W. face; and raised a mound of stone 2 ft. base, 1½ ft. high W. of Cor. Pits impracticable.
See cor. notes Book VIII. page 346	70.00	Top of ridge 250 ft. high. bears E. & W. descend along W. slope of gulch. to
	80.08	The cor. to Secs 7, 12, 13 & 18.
		Land. broken.
		Soil. Gravelly & Rocky 3rd rate.
		Timber. scrub cedars scattering
		August 27. At the cor. to Secs 19, 24, 25 & 30 on E. bdy. of Tp. I set off 9° 42' N. on the decl. arc; And at 12 M. l. m. t. I observe the sun on the meridian the resulting lat. is 38° 49' N
		thence I run
		South on a random line along the E. bdy. of the township, setting 1/4 Sec. & Sec. Cors at intervals of 40. chains. and at 160 chains intersect 10 lks West of the cor. to Tps 23 & 24 S. Rs. 1 & 2 W. which is a trachyte 12 x 12 x 8 ins. above ground, marked & witnessed as described by the Surveyor General.
		thence I run
		N 0° 02' W. bet. Secs 31 & 36.
		Descend 150 ft. to
	15.00	Gulch. course N.W. ascend,
	22.00	Enter scrub cedars
	23.00	Top of ridge bears N.W. & S.E. descend,
	25.00	Leave Cedars
See cor. notes Book VIII. page 347	40.00	Set a trachyte 14 x 12 x 8 ins. 10 ins. in the ground for 1/4 Sec. Cor. marked 1/4 on W. face; and raised a mound of stone 2 ft. base, 1½ ft. high W. of Cor. Pits impracticable.
	50.00	Enter cedars.
	56.00	Gulch. course N.W. ascend.
	61.00	Leave cedars
	65.00	Descend from ridge bears N.W. & S.E.
	72.00	Enter cedars.

East boundary of T. 23 S. R. 2 W. Continued.

Chains.		
78.50	Leave cedars.	
80.00	Set a trachyte 24 x 14 x 14 ins. 18 ins. in the ground for cor. to secs 25. 30. 31 and 36. marked 1 notch on S. and 5 notches on N. edges; and raised a mound of stone 2 ft. base, 1½ ft. high. W. of Cor. Pits impracticable. Land. Broken. Soil. Rocky 4th rate. Timber. Scrub Cedars. scattering	
	No. 02' W. bet. secs 25 and 30. Descend 300 ft. to	
19.00	Foot of mountain. enter flat.	
20.00	Dry wash 50 lks wide 3 ft. deep course N.W. road. bears NW and S.E.	
40.00	Set a trachyte 24 x 14 x 4 ins. 18 ins. in the ground for ¼ Sec. Cor. marked ¼ on W. face; and raised a mound of stone 2 ft. base, 1½ ft. high. W. of Cor. Pits impracticable.	See cor. notes Book VIII, page 317
45.00	Road, bears N.E. and S.W.	
80.00	The cor. to secs 19. 24. 25 and 30. Land. flat. Soil. Gravelly and Rocky 3rd rate. No timber.	
	August 27 - 1896.	

For General description, see sub-divisions of this township.

John T. Breckon
U.S. Deputy Surveyor

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PAGE

List of Names.

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

....., U. S. Deputy Surveyor, to assist in running, measuring, and ...ing the lines and corners described in the foregoing field notes of the survey of the .....

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.....Meridian, in ...., showing ...espective capacities in which they acted:

.....

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.....

Final Oath of Assistants:

We hereby certify that we assisted .....

....., U. S. Deputy Surveyor, in surveying all ...e parts or portions of the .....

.....

.....

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.....

.....

.....Meridian, ..., as are represented in the ...going field notes as having been surveyed by him and under his direction; and that said survey has been in all ...ects, to the best of our knowledge and belief, well and faithfully surveyed, and the corner monuments established, ...rding to the instructions furnished by the U. S. Surveyor General for .....

.....

.....

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.....

...scribed and sworn to before me this .....
... day of ....., 18 .

SEAL

.....

.....

6—151

Final Oath of U. S. Deputy Surveyor.

I, ..., U. S. Deputy Surveyor, solemnly swear that, in pursuance of instructions received from ....., U. S. Surveyor General for ....., bearing date of the ..... day of ....., 18 , I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the U. S. Surveyor General for ....., the surveying manual, and the laws of the United States, surveyed all those parts or portions of .....

.....

.....

.....

.....

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

.....

U. S. Deputy Surveyor.

Subscribed and sworn to before me this .....
day of ....., 18 .

SEAL

.....

.....

Approval.

Office of the U. S. Surveyor General,

Salt Lake City, Utah, March 27th, 1897.

The foregoing field notes of the survey of the Tenth West & East Boundaries of Township 23 South Range 2 West of the Salt Lake Base & Meridian, State of Utah

.....

.....

.....

.....

.....executed

John F. Brecken

under his Contract No. 205, dated January 4th, 1896, having been critically examined, the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

George W. Sims

U. S. Surveyor General.

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

.....

U. S. Surveyor General.

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VIII

4—679.

BOOK A-248

Corrective

No. 2.13.

FIELD NOTES

OF THE SURVEY OF THE

East boundary of T. 23 S. R. 2 W

Of the Salt Lake Base and Meridian,

State of Utah.

AS SURVEYED BY

John T. Preston, United States Deputy Surveyor,

...er his Contract No. 205, dated January 4th, 1896

Corr. Commissioner's Letter "E" dated April 29" 1898

...vey commenced May 19", 1898

...vey completed May 19", 1898

6—181

NAMES AND DUTIES OF ASSISTANTS.

Alexander Morrison Chainman

Homer McCarty Chainman

Jacob Wilkinson Axeman and Flagman

6—151

BOOK A-248

INDEX DIAGRAM.

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

6	5	4	3	2	1
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30	29	28	27	26	25
31	32	33	34	35	36

Meanders Page.....

6—151

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

.....

.....*, Chainm*

.....*, Chainm*

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

SEAL

.....

.....

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

.....

.....*, Moundm*

.....*, Moundm*

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

SEAL

.....

.....

We, ... and .....
do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corn 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 tr perform the duties of flagman according to instructions given me, to the best of my skill and ability, in survey of .....

.....*, Flagm*

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

SEAL

.....

.....

Corrective notes of

East boundary of T. 23. S. R. 2. W.

Chains.	
	May 19" 1898. at 7h 10m A. M. l. m. t. I set off 38°.49' on the lat. arc; 19°.53' N. on the decl. arc; and determine a true meridian with the solar. at the cor. to Secs 7.12.13 & 18. which is a trachyte 8×10×6 ins. above ground marked & witnessed as described by the Surveyor General.
	thence I run
	South on a random line bet. Secs 13 & 18.
40.08	The ¼ Sec. cor. bears East 20 lks dist.
80.30	The cor. to Secs 13.18.19 & 24. bears East 39 lks. dist.
	I continue this line South bet. Secs 19 & 24.
119.84	The ¼ Sec. Cor. bears East 66 lks dist.
160.42	The cor. to Secs 19.24.25 & 30 which is a trachyte 7×12×8 ins. above ground, marked & witnessed as described by the Surveyor General bears East 186 lks dist.
	thence I run
	N0°.42' W. on a true line bet. Secs 19 & 24.
	Enter flat.
9.30	Road. bears N. W. & S. E.
22.80	Dry wash 30 lks wide, 2 ft. deep. course W.
32.70	Leave flat, ascend.
36.30	Low ridge. bears E. & W. descend.
40.00	Set a trachyte 14×10×9 ins. 9 ins. in the ground for ¼ Sec. Cor. marked ¼ on W. face; and raised a mound of stone 2 ft. base. 1½ ft. high. W. of Cor. Pits impracticable.
	I destroy all trace of old ¼ Sec. Cor.
57.50	County road. bears N10° E. & S. 10° W.
64.45	Dry wash 12 lks wide. 3 ft. deep. course S. W.
80.00	Set a trachyte 17×12×10 ins. 12 ins. in the ground for Cor. to Secs 13.18.19 & 24. marked 3 notches on S. and 3 notches on N. edges; and raised a mound of stone. 2 ft. base, 1½ ft. high. W. of Cor. Pits impracticable. I destroy all trace of old corner. Land. broken & flat.

Corrections Notes of

East Boundary of T. 23. S. R. 2. W. Continued

Chains.	
	Soil. Gravelly & Rocky 3rd Rate. No Timber.
	No. 42 W. on a true line bet. Secs 13 & 18. Enter scattering scrub cedars, ascend.
18.60	Ridge. bears N. E. & S. W. descend.
28.00	Head of ravine, course W. Road. bears E. & W. ascend.
40.00	Set a trachyte 16x10x6 sin. 11 sin. in the ground, for 1/4 Sec. Cor. marked 1/4 on W. face, and raised a mound of stone. 2 ft. base, 1½ ft. high. W. of Cor. Pits impracticable I destroy all trace of old corner.
70.10	Top of ridge. 250 ft. high. bears E. & W. descend.
80.42	The cor. to Secs 7.12.13. & 18. Land. broken. Soil. Gravelly & Rocky. 3rd Rate. Timber. Scattering scrub cedars.
	From the cor. to Secs. 19.24.25 & 30. I run South on a random line bet. Secs 25 & 30.
40.00	The 1/4 Sec. Cor. bears East 27 chs dist.
80.00	The cor. to Secs 25.30.31 & 36. bears E. 80 chs dist. I continue this line South bet. Secs 31 & 36.
119.80	The 1/4 Sec. Cor. bears East 124 chs dist.
160.40	Intersect S. bdy of Tp. 151 chs west of the Cor. to Tps. 23 & 24 S. R 1 & 2. W. which is a trachyte 12x12x8 sin. above ground marked & witnessed as described by the Surveyor General. Set a trachyte 17x10x7 sin. 12 sin. in the ground for closing Cor. to Tp. 23. S. R 1 & 2. W. marked C.C. 23. S. on N. 1. W. on E. & 2. W. on W. faces; and raised a mound of stone 2 ft. base, 1½ ft. high. N. of Cor. Pits impracticable. Thence I run

Corrective notes of

East boundary of T. 23. S. R. 2. W. Continued

Chains. North on a true line bet. Secs 31 & 36.
Descend about 150 ft.
15.10 Gulch. course N. W. ascend.
22.00 Entir scrub cedars.
23.20 Top of ridge. bears N. W. & S. E. descend.
25.00 Leave Cedars.
40.40 Set a trachyte 14x12x8 ins. 9 ins. in the ground for 1/4 Sec. Cor. marked 1/4 on W. face, and raised a mound of stone 2 ft. base, 1½ ft. high. W. of Cor. Pits impracticable. I destroy all trace of old corner.
50.00 Entir Cedars.
56.25 Gulch. course N. W. ascend
61.00 Leave Cedars.
63.25 Ridge. bears N. W. & S. E. descend.
72.00 Entir Cedars.
78.50 Leave Cedars.
80.40 Set a trachyte 24x14x14 ins. 18 ins. in round for Cor. to Secs 25. 30. 31 & 36. mark 5 notches on N. & 1 notch on S. edge; and raised a mound of stone 2 ft. base, 1½ ft. high. W. of Cor. Pits impracticable. I destroy all trace of old corner.
Land. broken.
Soil. Rocky. 4th rate.
Timber. Scattering scrub cedars.

North on a true line bet. Secs 25 & 30
Descend 300 ft.
19.30 Foot of mountain entir flat.
20.22 Dry wash 50 lks wide, 3 ft. deep. course N. W. Road in wash. bears N. W. & S. E.
40.00 Set a trachyte 24x14x4 ins. 18 ins. in the ground for 1/4 Sec. Cor. marked 1/4 on W. face, and raised a mound of stone 2 ft. base, 1½ ft. high. W. of Cor. Pits impracticable. I destroy all trace of old corner.
45.05 Road. bears N. E. & S. W.
80.00 Lks cor. to Secs 19. 24. 25 & 30.
and flat.

Eas - boundary of [illegible] R. 2. W. Con [illegible]

Soil. Gravelly & Rocky 3rd Scale.
No Timber.

May 1 [illegible]

John T. Brickow
U.S. Deputy Surveyor

Volume
#
R0248

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

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

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

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

.....

wing 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

se parts or portions of the .....

.....

.....

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

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

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

neral for .....

....., *Chainman.*

....., *Chainman.*

....., *Moundman.*

....., *Moundman.*

....., *Axman.*

....., *Axman.*

....., *Flagman.*

.....

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

SEAL

1—151

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, ..., United States Deputy Su
solemnly swear that, in pursuance of a contract received from .....
United States Surveyor General for ....., bearing
..... day of ....., 189 , I have well, faithfully, and truly, i
proper person, and in strict conformity with the instructions furnished by the United States
General for ....., the Manual of Surveying Instructions, and the I
United States, surveyed all those parts or portions of .....
.....
.....
.....
..... of the .....
..... meridian, in the ..... of ....., which are represe
foregoing field notes as having been surveyed by me, and under my direction; and I do furthe
swear that all the corners of said survey have been established and perpetuated in strict accor
the Manual of Surveying Instructions, and the special written instructions of the United State
General for ..... and in the specific manner described in the field note
the foregoing are the original field notes of such survey; and should any fraud be detected, I
the penalty of perjury under the provisions of an Act of Congress approved August 8, 1846.

United States Deputy

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 8

The foregoing Corrective field notes of the survey of the East Boundary of Tp. 23 Range 2 West of the Salt Lake Base and Meridian

executed by John T. Breckon
under his contract No. 205, dated January 4th and Hon. Comm's letter E, 1896, h
critically examined, and the necessary corrections and explanations made, the said field note
surveys they describe, are hereby approved.

Jacob B B
United States Surveyo

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 th

United States Surveyo

6—151

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PAGE

(4—679.)

BOOK A-248

J.F.B.

FIELD NOTES

OF THE SURVEY OF

Subdivisions of

Township No. 23. South. Range 2 West

Of the Salt Lake Base and Meridian,

State of Utah

AS SURVEYED BY

John T. Breckon, U. S. Deputy Surveyor,

ler his Contract No. 205, dated January 4th 1896.

vey commenced August 26th, 1896.

vey completed August 28th, 1896.

(12503—2,000.)

Subs- Low 6-67-14 ✓

Cntg- Resurvey — 0-53-00 ✓

Names and Duties of Assistants.

Conland C. Thomson	Chainman
Chas. Thomson	Chainman
Chas Thomson	Axeman

BOOK A-248

INDEX DIAGRAM.

Township 23 S. *Range* 2 W.

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Preliminary Oaths of Assistants.

We, Joshua Gardner, H. E. Van Aelstyn, Chris. Sorensen and Constant Thueson

do solemnly swear that we will well and faithfully execute the duties of chain carriers; that we will lev over even and uneven ground, and plumb the tally-pins either by sticking or dropping the same; that we the true distance to all notable objects, and the true lengths of all lines that we assist in measuring, to the skill and ability, and in accordance with instructions given us in the survey of the Subdivisio T. 23 S. R. 2 W. T. 22 S. R. 2 W. T. 24 S. R. 4 W. C R. 3 W. T. 22 S. R's 2 & 3 W. T. 24 S. R. 3 W 26 S. R. 4 W.

Joshua Gardner, Ch
H. E. Van Aelstyn, Ch
Chris Sorensen, Ch
Constant Thueson, Ch

Subscribed and sworn to before me this 22nd day of August, 1896.

Homer McCarty
Notary Public
My Comm. Expires Nov. 26th 1897.

We, Chas. Thomas, A. J. Parry and H. E. Van Aelstyn

do solemnly swear that we will well and truly perform the duties of axemen in the establishment of corne duties, according to instructions given us, and to the best of our skill and ability, in the survey of the of T. 23 S. R. 2 W. T. 22 S. R. 2 W. T. 24 S. R. 4 W. T. 23 S. T. 22 S. R's 2 & 3 W. T. 24 S. R. 3 W. & T. 25 and 26

Subscribed and sworn to before me this 22nd day of August, 1896.

Chas. Thomas
A. J. Parry
H. E. Van Aelstyn

Homer McCarty
Notary Public
My Comm. Expires Nov. 26th 1897.

6—151

Subdivision of T. 23. S. R. 2. W.

Rams. Survey commenced Aug. 26. 1896. and executed with a Gurley mountain transit with solar attachment.

As I could find no trace of old cor. at North 75.00 chs from the cor. to secs 7. 8. 17 & 18. I go to the 1/4 Sec. Cor. bet. secs 7 & 8. which is a pine post 4 ins. sq. 2 1/2 ft. above ground marked 1/4 S. on W. face.

thence I run

North on a resurvey line bet. secs 7 & 8.

35.00 No trace of old corner, ascend.

40.00 Set a limestone 16 x 12 x 8 ins. 11 ins in the ground for cor. to secs 5. 6. 7 & 8. marked 5 notches on S & E. edges; and raised a mound of stone 2 ft. base, 1 1/2 ft. high, W. of cor. Pits impracticable.

5 chs. L.

Land. bench.

Soil. Rocky. 4th rate.

No timber.

35.00 chs. resurvey.

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

22.00 No trace of old corner.

40.00 Intersect the 1/4 Sec. Cor. which is a pine 4 ins. sq. 2 1/2 ft. above ground, marked 1/4 on W. face.

thence I run

West on a true line bet. secs 5 & 8.

ascend over bench.

18.00 No trace of old corner.

40.00 The cor. to Secs 5. 6. 7 & 8.

Land. bench.

22 chs. L.

" Rocky 4th rate.

No timber.

18.00 chains resurvey.

West on a random line bet. secs 6 & 7.

40.00 Set temporary 1/4 Sec. Cor.

79.80 Intersect W. bdy. of Tp. at cor. to Secs 1. 6. 7 & 12.

thence I run

Subdivision of T. 23. S. R. 2. W. continu

Chains. East on a true line bet. secs 6 & 7.
Offset S 10.00 chains to pass rocky point.
25.00 Offset N. 10.00 chains to line: thence over bench
39.80 Set a sandstone 18 x 14 x 8 ins 12 ins. in the ground for 1/4 Sec. Cor. marked 1/4 on N. face; and raised a mound of stone 2 ft. base, 1 1/2 ft. high. N. of cor. Pits impracticable
79.80 The cor. to Secs 5. 6. 7 & 8.
Land. bench.
Soil. Rocky, 4th rate.
No timber

No°. 03'. W. on a random line bet. secs 5 & 6.
40.00 Set temporary 1/4 Sec. Cor.
80.20 Intersect N. bdy. of Tp at cor. to secs 5. 6. 31 & 32.
Thence I run
So°. 03' E. on a true line bet. secs 5 & 6.
Enter scattering cedars, descend 200 ft. to
18.00 Foot of ridge, thence descending over bench
40.20 Set a sandstone 16 x 13 x 7 ins. 11 ins. in the ground for 1/4 Sec. Cor. marked 1/4 on W. face; and raised a mound of stone 2 ft. base, 1 1/2 ft. high. W. of cor. Pits impracticable.
80.20 The cor. to Secs 5. 6. 7 & 8.
Land. bench.
Soil. Rocky 4th rate.
Timber Cedars, Scattering.

August 26 - 1896

From the cor. to secs 25. 26. 35 & 36 which is a trachyte 6 x 10 x 5 ins. above ground, marked and witnessed as described by the Surveyor General.
I run
East on a random line bet. secs 25 & 36
40.00 Set temporary 1/4 Sec. Cor.
80.04 Intersect E. bdy. of Tp. at cor. to secs 25 30. 31 & 36.
Thence I run

Subdivision of T. 23. S. R. 2. W. continued.

Chains		
	West on a true line bet. secs 25 & 36.	
	Descend in scattering cedars	
4.00	Leave cedars.	
23.00	Foot of mountain, descend gradually	
40.02	Set a trachyte 14×8×6 ins. 10 ins. in the ground, for 1/4 Sec. Cor. marked 1/4 on N. face; and raised a mound of stone 2 ft. base, 1½ ft. high. N. of cor. Pits impracticable.	See cor. notes No. XI, page 343
45.00	County road. bears N. & S.	
59.00	Small ridge. bears N.E. & S.W.	
61.70	County road. bears N.E. & S.W.	
78.50	Same road. bears N.W. & S.E.	
80.04	The cor. to secs 25. 26. 35 & 36.	
	Land, bench & foot hills.	
	Soil, Gravelly & Rocky 3rd rate.	
	Timber, Scrub cedars Scattering.	
	From the cor. to Secs 13. 14. 23 & 24. which is a trachyte 5×7×5 ins. above ground, marked & witnessed as described by the Surveyor General.	
	I run	
	East on a random line bet. secs 13 & 24.	
40.00	Set temporary 1/4 Sec. Cor.	
80.10	Intersect E. bdy. of Tp. at cor. to secs 13. 18. 19 & 24.	
	Thence I run	See cor. notes Book XI, page 343
	West on a true line bet. secs 13 & 24	
	Ascend 100 ft. to	
12.50	Ridge. bears N.E. & S.W. descend	
25.00	Gulch. course S.W. ascend.	
28.50	Ridge. 50 ft. high. bears S. descend.	
40.05	Set a trachyte 14×10×9 ins. 10 ins. in the ground for 1/4 Sec. Cor. marked 1/4 on N. face; and raised a mound of stone 2 ft. base, 1½ ft. high. N. of cor. Pits impracticable.	
49.00	Ravine, course N.W.	
55.00	ascend.	
63.40	Top of ridge. bears N. & S. descend 300 ft. to	
71.00	Foot of ridge. gradual descent to	
80.10	The cor. to Secs 13. 14. 23 & 24.	
	and broken	

Subdivision of T. 23. S. R. 2 W. continued.

Rams	Soil. Gravelly & Rocky 3rd rate.
	No timber.
	Aug 28. At this cor. I set off 9°.21' N. on the decl. arc; and at 12 m. l.m.t. observe the sun on the meridian; the resulting lat. is 38°.49'.0" N
	Nest on a random line bet. secs 14 & 23.
40.00	Intersect the 1/4 Sec. Cor. which is a Sandstone 6x10x5 ins. above ground, marked & witnessed as described by the Surveyor General.
	Thence I run
	East on a true line bet. secs 14 & 23 from the 1/4 Sec. Cor.
	Ascend 100 ft. to
7.50	Point of ridge. bears N.W. descend 80 ft. to
12.50	Foot of descent; enter flat; gradual ascent to
40.00	The cor. to Secs 13.14.23 & 24
	. bench.
	Soil. Gravelly & Rocky, 3rd rate.
	No timber.
	No°.01' W. on a random line bet. secs 13 & 14.
40.00	Set temporary 1/4 Sec. Cor.
80.00	Intersect 3 lks W. of cor. to Secs 11.12.13 & 14 which is a trachyte 5x7x6 ins. above ground marked & witnessed as described by the Surveyor General.
	Thence I run
	South bet. secs 13 & 14, on tree line
	Ascend along W. slope of black, rocky ridge
27.50	Top of ridge. descend 125 ft. to
32.00	Foot of ridge. Thence over rolling hills
40.00	Set a trachyte 14x10x10 ins. 10 ins. in the ground, for 1/4 Sec. Cor. marked 1/4 on W. face; and raised a mound of stone 2 ft. base, 1/2 ft. high. W. of Cor. Pits impracticable.
76.00	Leave hills, enter flat.
77.00	Road. bears E & W.
80.00	The cor. to Secs 13.14.23 & 24.
	Land, broken foot hills

See corr notes Book XI page 344

See corr notes Book XI page 344

Subdivision of T. 23. S. R. 2. W. Continued

Chains. Soil. Rocky 4th rate.
No timber. V

From the cor. to Secs 11. 12. 13 & 14.
I run
East on a random line bet. secs 12 & 13.
40.00 Set temporary ¼ Sec. Cor.
80.00 Intersect E. bdy. of Tp. at cor. to secs 7. 12. 13 & 18
thence I run
West on a true line bet. secs 12 & 13.
Ascend in scattering cedars to
2.00 Top of low ridge. bears N. descend.
7.00 Gulch. course N. E. leave cedars, ascend.
17.00 Descend
25.00 Ravine. course N. E. ascend.
30.00 Descend.
40.00 Set a trachyte 14 x 12 x 6 ins. 10 ins. in the ground. for ¼ Sec. Cor. marked ¼ on N. face; and raised a mound of stone. 2 ft. base. 1½ ft. high. N. of Cor. this impracticable.
45.00 Gulch. course N. E. ascend 200 ft. to
57.00 Point of ridge. bears W. descend 300 ft. to
80.00 The cor. to Secs 11. 12. 13 & 14.
Land. broken foot hills.
Soil. Rocky 4th rate.
Timber. Scattering scrub cedars on [illegible]

See corr. to Book XI. pg 315.

August 2[illegible] 1876.

General Description.

The land embraced in my survey in this township is mostly broken foot hills, not fit for agriculture and very poor grazing.
There is no water, and no settlers on this part of the township.
There are no indications of mineral found in this township

[illegible] T. Brechon
[illegible] Deputy Surveyor

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List of Names.

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

....., U. S. Deputy Surveyor, to assist in running, measuring, and

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

.....

.....

.....

.....

.....

.....

.....Meridian, in ...., showing

e spective capacities in which they acted:

.....

.....

.....

.....

.....

.....

.....

.....

Final Oath of Assistants:

We hereby certify that we assisted .....

....., U. S. Deputy Surveyor, in surveying all

e parts or portions of the .....

.....

.....

.....

.....

.....

.....

.....Meridian, ..., as are represented in the

going field notes as having been surveyed by him and under his direction; and that said survey has been in all

ects, to the best of our knowledge and belief, well and faithfully surveyed, and the corner monuments established,

rding to the instructions furnished by the U. S. Surveyor General for .....

.....

.....

.....

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.....

.....

.....

.....

bscribed and sworn to before me this .....

day of ...., 18 .

SEAL

.....

.....

6—151

Final Oath of U. S. Deputy Surveyor.

I, ..., U. S. Deputy Sur
solemnly swear that, in pursuance of instructions received from .....
Surveyor General for ....., bearing date of the .....
....., 18 , I have well, faithfully, and truly, in my own proper person, an
conformity with the instructions furnished by the U. S. Surveyor General for .....
surveying manual, and the laws of the United States, surveyed all those parts or portions of .....
.....
.....
.....
.....
.....Meridian, in the....., as are represented i
going field notes as having been surveyed by me, and under my directions; and I do further solemnly swea
the corners of said survey have been established and perpetuated in strict accordance with the surveyin
printed instructions, the special written instructions of the U. S. Surveyor General for.....
and in the specific manner described in the field notes, and that the foregoing are the true field notes of su
and should any fraud be detected, I will suffer the penalty of perjury under the provisions of an Act of
approved August 8, 1846.

.....
U. S. Deputy

Subscribed and sworn to before me this .....
day of ....., 18 .

SEAL

.....
.....

Approval.

Office of the U. S. Surveyor General,
Salt Lake City Utah March 27, 1

The foregoing field notes of the survey of The subdivision of T
South Range 2 West of the Salt Lake Base & Mer
Utah
.....
.....
.....
.....
.....
..... e
.....
under his Contract No. 205, dated January 4, 189 having bee
examined, the necessary corrections and explanations made, the said field notes, and the surveys they de
hereby approved.

John T. Breckin

.....
U. S. Surveyor

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

.....
U. S. Surveyor

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4—679.

L.C.
L.L.P.

BOOK A-248

Corrective

L.J.B.

FIELD NOTES

OF THE SURVEY OF THE

Subdivisions of T. 23 S. R. 2 W

Of the Salt Lake Dam & Meridian,

State of Utah

AS SURVEYED BY

John T. Buckow, United States Deputy Surveyor,

ler his Contract No. 205, dated January 4", 1896

Con. Commissioner's Letter, E" dated April 29" 1895.

vey commenced May 24", 1898

vey completed May 24", 1898

6—151

NAMES AND DUTIES OF ASSISTANTS.

Alexander Morrison Chainman

Homer McCarty Chainman

Jared Wilkinson Axeman & Flag

6—151

BOOK A-248

INDEX DIAGRAM.

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

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PRELIMINARY OATHS OF ASSISTANTS.

WE, ... and .....

do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will lev
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
measuring, to the best of our skill and ability, and in accordance with instructions given us, in the surve

.....

..... *Chain*

..... *Chain*

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

SEAL

.....

.....

WE, ... and .....

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

.....

..... *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 cor
and other duties, according to instructions given us, to the best of our skill and ability, in the surve

.....

..... *Axm*

..... *Axm*

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

SEAL

.....

.....

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

..... *Flagm*

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

SEAL

.....

Corrective notes of Subdivision of T. 23 S. R. 2. W.

Chains.	
	Survey commenced May 24th 1898.
	At 7h 10m A. M. l. m. t. I set off 38°.47' N. on the lat. arc; 20°.52' W. on the decl. arc. and determine a true meridian with the solar at the cor. to Secs 25.26.35 & 36. which is a trachyte 6x10x5 ins. above ground marked as described.
	thence I run
	East on a random line bet. Secs 25 & 36
40.46.	The 1/4 Sec. Cor. bears N. 50 lks. dist.
80.06	Intersect E. bdy. of Tp. 78 lks. S. of cor. to Secs 25.30.31 & 36. Set a trachyte 16x10x7 ins. 11 ins. in the ground for Closing Cor. to Secs 25 & 36. marked C.C. on W. with 1 groove on S. & 5 grooves on N. faces; and raised a mound of stone 2 ft. base. 1½ ft. high. W. of Cor. Pits impracticable.
	Thence I run
	West on a true line bet. Secs 25 & 36.
	Descend in scattering cedars.
3.75	Leave cedars.
22.70	Foot of mountain. descend gradually
40.03	Set a trachyte 14x8x6 ins. 9 ins. in the ground for 1/4 Sec. Cor. marked 1/4 on N. face; & raised a mound of stone 2 ft. base. 1½ ft. high. N. of Cor. Pits impracticable.
	I destroy all trace of old corner.
44.90	County road. bears N. & S.
59.10	Small ridge. bears N.E. & S.W. descend.
61.85	County road. bears N.E. & S.W.
78.40	Same road. bears N.W. & S.E.
80.06	The cor. to Secs 25.26.35 & 36.
	Land. broken.
	Soil. Gravelly & rocky 3rd rate.
	Timber. Scattering scrub cedars.
	From the cor. to Secs 13.14.23 & 24. which is a trachyte 5x7x5 ins. above ground, marked & witnessed as described by the Surveyor General
	I run

Corrective notes of

Subdivision of T. 23. S. R. 2. W. Continued

Chains	
	East on a random line bet. Secs 13 & 24.
39.38	The 1/4 Sec. Cor. bears North 25 lks dist.
40.00	Set temporary 1/4 Sec. Cor.
80.20	Intersect E. bdy. of Tp. 77 lks. S. of Cor to Secs 13. 18. 19 & 24. Set a trachyte 15×11×7 ins. 10 ins. in the ground for Closing Corner to Secs 13 & 24. marked C. C. on W. with 3 grooves on N. & S. faces; and raised a mound of stone 2 ft. base. 1½ ft. high. W. of Cor. Pits impracticable.
	thence I run
	West on a true line bet. Secs 13 & 24.
	Ascend about 100 ft.
13.10	Ridge. bears N. E. & S. W. descend.
25.50	Gulch. course S. W. ascend.
29.00	Ridge. 50 ft. high. bears N. & S. descend
40.10	Set a trachyte 14×10×9 ins. 9 ins. in the ground for 1/4 Sec. Cor. marked 1/4 on N. faces and raised a mound of stone 2 ft. base, 1½ ft. high. N. of Cor. Pits impracticable.
	I destroy all trace of old corner.
49.30	Ravine. course N. W.
55.50	Ascend.
64.00	Top of ridge. bears N. & S. descend.
71.50	Foot of ridge. descend gradually to
80.20	The cor. to Secs 13. 14. 23. & 24.
	Sand. broken.
	Soil. gravelly & rocky. 3rd rate.
	No timber.
	West on a random line bet. Secs 14 & 23.
40.00	Intersect 16 lks N. of the 1/4 Sec. Cor. which is a sandstone 6×10×5 ins. above ground marked & witnessed as described by the Surveyor General.
	thence I run
	N. 88° 46' E. on a true line bet. Secs 14 & 23. from the 1/4 Sec. Cor.
	Ascend about 100 ft.
7.50	Point of ridge. falls N. W. descend 80 ft.
12.50	Foot of ridge. enter flat. descend

Corrective notes of Subdivision of T. 23 S. R. 2. W. Continued.

Chains	
	gradually.
40.00	The cor. to Secs 13. 14. 23 & 24.
	Land. bench.
	Soil. Gravelly & Rocky. 3rd rate.
	No timber.
	No. 01. W. on a random line bet. Secs 13 & 14.
40.00	The 1/4 Sec. cor. bears W. 23 lks. dist.
80.30	Intersect 45 lks E. of Cor. to Secs 11. 12. 13 & 14. which is a trachyte 5 x 8 x 6 ins. above ground marked & witnessed as described by the Surveyor General.
	thence I run
	S. 0° 20' E. on a true line bet. Secs 13 & 14.
	Ascend W. slope of rocky ridge.
27.50	Top of ridge. descend 125 ft.
32.00	Foot of ridge. thence over rolling hills.
40.30	The 1/4 Sec. Cor. which is a trachyte 5 x 10 x 10 ins. above ground. marked and witnessed as described in original field notes.
76.00	Leave hills. enter flat.
77.00	Road. bears E. & W.
80.30	The cor. to Secs 13. 14. 23 & 24.
	Land. broken foot-hills.
	No timber.
	From the cor. to secs 11. 12. 13 & 14.
	I run
	East on a random line bet. Secs 12 & 13.
40.00	The 1/4 Sec. Cor. bears North 32 lks dist.
80.00	Intersect E. bdy. of Tp. 74 lks S. of the cor. to Secs 7. 12. 13 & 18. Set a trachyte 16 x 11 x 8 ins. 11 ins. in the ground for Closing Corner to Secs 12 & 13. marked C.C. on W. with 4 grooves on S. & 2 grooves on N. faces; & piled a mound of stone 2 ft. base, 1½ ft. high. W. of Cor. Pits impracticable.
	thence I run
	West on a true line bet. Secs 12 & 13.
	Enter scattering cedars. ascend.
2.00	Top of low ridge. bears N. descend.

Corrective notes of
Subdivision of T. 23 S. R. 2 W. Contd.

Chains.	
7.00	Gulch, course N.E. lines cedars. ascend.
17.00	Descend.
25.30	Ravine. Course N.E. ascend.
30.00	Descend.
40.00	Set a bracket 16 x 10 x 6 ins. 11 ins. in the ground for 1/4 Sec. Cor. marked 1/4 on N. face; Erected a mound of stone 2 ft. base, 1½ ft. high. N. of Cor. Pits impracticable. I destroy all trace of old corner.
45.20	Gulch. course N.E. ascend
57.00	Point of ridge bears N. descend 500 ft. S.
80.00	Cor. to Secs. 11, 12, 13 & 14.
	Land. broken foot-hills.
	Soil. Rocky. 4th rate.
	Timber. Scattering scrub cedars on 17 chains.

May 24th 1898.

John T. Breckon
U.S. Deputy Surveyor.

Retracement of
Old Subdivision Lines of T. 23 S. R. 2 W.

From the Cor. to Secs 25.26.35 & 36
I run
South on a random line bet. Secs 35 & 36.
40.00 The old 1/4 Sec. Cor. bears East 55 lks. dist.
80.00 Intersect S. bdy. of Tp. 110 lks West of Cor. to Secs 1.2.35 & 36. which is a trachyte 7x7x7 ins. above ground marked and witnessed as described by the Surveyor General.
Thence I run
N 0°.47' W. on a true line bet. Secs 35 & 36.
40.00 The 1/4 Sec. Cor. which is a trachyte 6x8x8 ins. above ground marked & witnessed as described by the Surveyor General.
80.00 The Cor. to Secs 25.26.35 & 36.

From the Cor. to Secs 19.24.25 & 30. on E bdy. of Tp.
I run
West on a random line bet. Secs 24 & 25.
40.05 The 1/4 Sec. cor. bears S. 32 lks dist.
80.10 Intersect N. & S. line 44 lks N. of Cor. to Secs 23.24.25 & 26. which is a trachyte 8x10x10 ins. above ground marked & witnessed as described by the Surveyor General.
Thence I run
N 89°.41' E. on a true line bet. Secs 24 & 25.
40.05 The 1/4 Sec. Cor. which is a trachyte 8x7x7 ins. above ground. marked & witnessed as described by the Surveyor General.
80.10 The cor. to Secs 19.24.25 & 30.

From the Cor. to Secs 1.6.7 & 12. on E. bdy of Tp. which is a trachyte 6x7x6 ins. above ground. marked & witnessed as described by the Surveyor General
I run
West on a random line bet. Secs 1. & 12.
40.02 The 1/4 Sec. Cor. bears S. 33 lks dist.
80.02 Intersect N & S. line 66 lks. N. of Cor. to Secs 1.2.11 & 12. which is a Sandstone

Retracement of

Old Subdivision lines of T. 23. S. R. 2. W.

Chains	
	6×8×6 ins. above ground marked & witnessed as described by the Surveyor General.
	thence I run
	N 89° 32' E. on a true line bet. Secs 1 & 12
40.02	The 1/4 Sec. Cor. which is a sandstone 6×8×8 ins. above ground marked & witnessed as described by the Surveyor General.
80.04	The Cor. to Secs 1. 6. 7 & 12.
	May 24th 1898.
	From the Cor. to Secs 13. 14. 23 & 24
	I run
	South on a random line bet. Secs 23 & 24.
40.00	The 1/4 Sec. Cor. bears East 32 lks. dist.
80.00	Intersect 65 lks. West of the cor. to Secs 23. 24. 25 & 26.
	thence I run
	N 0° 28' W. on a true line bet. Secs 23 & 24.
40.00	The 1/4 Sec. Cor. which is a trachyte 6×7×6 ins. above ground marked & witnessed as described by the Surveyor General.
80.00	The cor. to Secs 13. 14. 23 & 24.
	May 24th 1898.

John T. Breckon
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 John T. Brechon, 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. 27 S. R. 3 W. T. 27 S. R. 4 W., T. 26 S. R. 4 W., T. 25 S. R. 3 & 4 W. & T. 25 S. R. 2 & 3 W. following the respective capacities in which they acted:

Alexander Morrison, Chainman.
Homer McCarty, Chainman.
, Moundman.
, Moundman.
Jared Wilkinson, Axman.
, Axman.
Jared Wilkinson, Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted John T. Brechon, United States Deputy Surveyor, in surveying all those parts or portions of the Subdivision of T. 27 S. R. 3 W. T. 27 S. R. 4 W., T. 26 S. R. 4 W. T. 25 S. R. 3 & 4 W. & T. 25 S. R. 2 & 3 W. of the Salt Lake base and meridian, 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.

Homer McCarty, Chainman.
Alexander Morrison, Chainman.
, Moundman.
, Moundman.
Jared Wilkinson, Axman.
, Axman.
Jared Wilkinson, Flagman.

Subscribed and sworn to before me this 24th day of May, 1898.

SEAL

J. M. Lawrence
Notary Public

My Com. Exp. Feb. 5th 1900

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FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, John T. Brickson, United States Deputy Surve
solemnly swear that, in pursuance of a contract received from George W. Snow
United States Surveyor General for Utah, bearing dat
4th day of January, 1896, I have well, faithfully, and truly, in
proper person, and in strict conformity with the instructions furnished by the United States S
General for Utah, the Manual of Surveying Instructions, and the law
United States, surveyed all those parts or portions of Tp. 26 S. R. 4 W. - Tp. 27 S. R. 4 W.
Tp. 24 S. R. 4 W. - Tp. 24 S. R. 3 W. - Tp. 25 S. R. 3 W. - Tp. 25 S. R. 2 W.
Tp. 22 S. R. 3 W. and Tp. 27 S. R. 3 W.

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

John T. Brickson
United States Deputy S

Subscribed by said John T. Brickson, and sworn to before me
this 31st day of May, 1898

Jacob B. Bla
U.S. Surveyor General

SEAL

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, June 8

The foregoing field notes of the survey of the subdivision of Tp. 22 S. R. 2 W.
Salt Lake Base & Meridian, Utah

executed by John T. Brickson
under his contract No. 205, dated January 4, 1896, havi
critically examined, and the necessary corrections and explanations made, the said field notes,
surveys they describe, are hereby approved.

Jacob B. Bl
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

United States Surveyor

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BOOK A-248

No. 3 B.

FIELD NOTES

OF THE SURVEY OF

Exterior boundaries of T. 22 S.
R. 5 W.

Of the Salt Lake Basis Meridian,

State of Utah

AS SURVEYED BY

John T. Buchanan, United States Deputy Surveyor,

Under his Contract No. 205, dated January 4, 1896

Survey commenced September 27, 1896

Survey completed October 4, 1896

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		m. ch. lks.
W. Bdry —	high —	2-71-40 ✓
S. Bdry —	do	6-00-00 ✓
E — "	do	6.71-40 ✓
N — "	do	5-40-30 ✓
		21. 23 10

BOOK A-248

Names and Duties of Assistants.

Joshua Gardner Chairman

Constant Thueson Chairman

A. J. Perry axeman

H. E. Van Aelstyn axeman

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Volume
#
R0248

BOOK A-248

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Meanders Page

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Preliminary Oaths of Assistants.

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

_____

_____, *Chain*

_____, *Chain*

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

SEAL

_____

_____

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

_____

_____, *Mound*

_____, *Mound*

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

SEAL

_____

_____

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

_____

_____, *Ax*

_____, *Ax*

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

SEAL

_____

_____

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

_____, *Flag*

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

SEAL

_____

_____

West boundary of T. 22 S. R. 3. W.

Survey commenced Sept. 29. 1896. and executed with a Gurley Mountain transit with solar attachment.

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

September 29. At the cor. to Secs 19. 24. 25 & 30. Lat. 38°.53' N. Longitude 112°.14' W. at 4h 40m P. M. l. m. t. I set off 38°.53' on the lat. arc; 2°.50' S. on the decl. arc; determine with the solar a true meridian and mark a point thereof on a stone set firmly in the ground 5.00 chs. N. of the Cor.

At 6h 49m P. M. l. m. t. I observe Polaris at Eastern Elongation, in accordance with Manual of Instructions, and mark a point on the line thus determined on a plug driven in the ground 5.00 chs. N. of my station.

September 29. 1896.

September 30. At 6h 50m A. M. l. m. t. I lay off the azimuth of Polaris 1°.36' to the west and mark the true meridian thus determined, by cutting a small groove in the stone set September 29. on which the true meridian falls 0.3 ins. west of the mark determined by the solar.

At 7h A. M. l. m. t. I set off 38°.53' on the lat. arc; 3°.08' S. on the decl. arc; and mark a point in the true meridian determined with the solar, by a cross on the stone already set 5.00 chs. N. of my station. this mark falls 0.2 ins. west of the true meridian established by the Polaris observation.

The solar apparatus by P. M. & A. M. obs-

West boundary of T. 22 S. R. 3 W. Continued

Chains	
	ervations, defines positions for true meridians respectively about 0:16" east and 0:10" west of the true meridians established by the Polaris observations, therefore I conclude the adjustments of the instrument are satisfactory.
	The magnetic bearing of the true meridian at 4h 10m P.M. is N 16°02' W. the angle thus determined, reduced by the table, page 100, gives the mean Mag. dec. 15°59' E.
	I begin at the cor. to Secs 19, 24, 25 & 30, on N. bdy. of Tp. which is a sandstone 8 x 13 x 8 ins. above ground, marked and witnessed as described by the Surveyor General.
	Thence I run
	South bet. Secs 25 & 30.
	Enter Aspen and Spruce, descend.
7.50	Gulch, course W. ascend.
31.00	Road, bears N.E. & S.W.
33.50	Top of ridge, bears N.E. & S.W. descend.
40.00	Set a sandstone 16 x 8 x 6 ins. 11 ins. in the ground for 1/4 Sec. Cor. marked 1/4 on W. face, and raised a mound of stone 2 ft. base, 1½ ft. high. W. of Cor. Pits impracticable. No bearing trees within limits.
41.50	Gulch, course S. W.
42.50	Ascend, leave Aspen & Spruce.
57.00	Enter Spruce.
58.50	Leave Spruce.
60.00	Top of ridge, bears E. & W. descend.
75.00	Enter scattering aspens.
80.00	Set a sandstone 14 x 12 x 7 ins. 10 ins. in the ground for Cor. to Secs 25, 30, 31 & 36, marked 5 notches on W. & 1 notch on S. edge, and raised a mound of stone 2 ft. base, 1½ ft. high. W. of Cor.
	An aspen 8 ins. in diam. bears N 44° 10' E. 5 lks. dist. marked T. 22 S. R. 3 W. S 30. B. T.
	An aspen 8 ins. in diam. bears S 17° 15' W 50 lks. dist. marked T. 22 S. R. 4 W. S. 36. B. T.
	No other bearing trees within limits.

West boundary of T. 22 S. R. 3 W. Continued.

Chains.	
	Land, broken, West slope of mountain
	Soil, Gravelly & Rocky 3rd rate.
	Timber, Aspen & Spruce, Scattering.
	Mountainous land 80 chains.
	South bet. Secs 31 & 36.
	Enter scattering aspens, descend.
40.00	Set a limestone 14×12×5 ins. 10 ins. in the ground for 1/4 Sec. Cor. marked 1/4 on W. face; from which.
	An aspen 10 ins. in diam. bears N 45° E. 45 lks dist. marked 1/4 S. B. T.
	An aspen 10 ins. in diam. bears S 15° W. 25 lks dist. marked 1/4 S. B. T.
62.00	Gulch, course S. W. creek 2 lks wide, 2 ins. deep, flows S. W. ascend, leave aspens, enter Spruce & Pines.
80.00	Ridge, bears E. & W. descend.
88.50	Gulch, course W. creek 2 lks wide, 2 ins. deep flows W. ascend.
100.00	Leave timber.
143.00	Top of ridge, bears E. & W. descend.
151.40	Set temporary Cor. to Tps. 22 & 23. S. R's 3. W. thence
	From the Closing Cor. to T. 23. S. R. 3 & 4. W. I run
	West bet. Tps. 22 & 23 S.
	And at 3 miles 33 chains, intersect the temporary Corner which I make permanent, and set a limestone 20×8×6 ins. 15 ins. in the ground for Cor. to Tps. 22 & 23 S. R. 3. W. marked 23. S. on S. E.
	3 W. on N. E. faces; with 6 notches on N. S. & E. edges; and raised a mound of stone 2 ft. base, 1½ ft. high. N. of Cor. Pits impracticable.
	Land, broken.
	Soil, Gravelly & Rocky 3rd rate.
	Timber, Spruce, Pine & Aspen, Scattering.
	Mountainous land 151.40 chains.
	September 30-1896.

South boundary of T. 22 S. R. 3 W.

Chains	
	East along S. bdy. of Sec. 31.
	Ascend 150 ft. to
11.00	Top of ridge, bears N. & S. descend.
19.00	Enter aspens.
39.00	Leave aspens.
40.00	Set a limestone 16×14×6 ins. 11 ins. in the ground for 1/4 Sec. Cor. marked 1/4 on N. face, and raised a mound of stone 2 ft. base, 1½ ft. high, N. of Cor. Pits impracticable.
58.00	Ravine 1000 ft. below top of ridge, course S. ascend.
70.00	Ridge 150 ft. high, bears N. & S. descend.
80.00	Set a limestone 18×12×6 ins. 12 ins. in the ground for cor. to Secs. 31 & 32, marked 1 notch on N. and 5 notches on E. edges; and raised a mound of stone 2 ft. base, 1½ ft. high, N. of Cor. Pits impracticable.
	Land broken.
	Soil Gravelly & Rocky 3rd rate.
	Timber Aspen, scattling.
	Mountainous land 80 chains.

	East along S. bdy. of Sec. 32.
	Descend.
3.00	Gulch, course S. ascend.
19.00	Ridge 250 ft. high, course N. & S. descend.
39.70	Cañon, course S. E. ascend.
40.00	Set a sandstone 18×12×6 ins. 12 ins. in the ground for 1/4 Sec. Cor. marked 1/4 on N. face, and raised a mound of stone 2 ft. base, 1½ ft. high, N. of Cor. Pits impracticable.
57.50	Top of ridge 600 ft. high, bears N. & S. enter brush, descend.
80.00	Set a sandstone 18×12×5 ins. 12 ins. in the ground for cor. to Secs. 32 & 33, marked 2 notches on N. & 4 notches on E. edges; and raised a mound of stone 2 ft. base, 1½ ft. high, N. of Cor. Pits impracticable.
	Land broken, Soil Gravelly & Rocky 3rd rate.
	Timber dense brush on 22.50 chains.
	Mountainous land 80 chains.

South boundary of T. 22 S. R. 3 W. continued.

Chains	
	East along S. side of Sec. 33.
	Enter dense undergrowth, descend 1.00 ft. to
1.50	Cañon course S. E. creek 3 ft. wide 2 ins.
	deep flows S. E. enter scattering cedars ascend
29.50	Top of ridge 400 ft. above Creek, bears N.W.
	and S. E. descend
40.00	Set a sandstone 16 x 12 x 10 ins. 11 ins. in the
	ground for 1/4 Sec. Cor. marked 1/4 on W. face,
	and raised a mound of stones 2 ft. base
	1½ ft. high. W. of cor. Pits impracticable.
43.00	Gulch, 250 ft. below ridge, course S. E. ascend
60.00	Point of ridge, 100 ft. high, bears S. descend.
70.20	Same gulch, course N. E. ascend,
77.00	Point of ridge, 50 ft. high, bears N. descend
80.00	Set a boulder 16 x 10 x 7 ins. 11 ins. in the
	ground for cor. to Secs. 33 & 34, marked
	3 notches on E. & N. edges; and raised a
	mound of stone 2 ft. base, 1½ ft. high. N.
	of cor. Pits impracticable.
	Land, broken.
	Soil, Rocky 4th rate.
	Timber, Cedars, scattering.
	Mountainous land 80 chains.
	October 1. At this cor. I set off 3° 36' S. on
	the decl. arc; and at 12 M. l. m. t. observed
	the sun on the meridian; the resulting
	lat. is 38° 51' N.

	East along S. side of Sec. 34.
	Enter scattering cedars
0.30	bottom of gulch course S. E. ascend gradually
8.00	Point of ridge 50 ft. high, bears S. descend.
13.50	Gulch, course S. E. ascend
24.00	Point of ridge 250 ft. high, bears S. descend
33.00	Intersect the Closing Corner to T. 23 S. R. 3 W. on line.
39.30	Gulch, course S. E. ascend,
40.00	Set a sandstone 18 x 14 x 8 ins. 12 ins. in the
	ground for 1/4 Sec. Cor. marked 1/4 on W. face,
	& raised a mound of stone 2 ft. base, 1½ ft.
	high, W. of Cor. Pits impracticable.

South boundary of T. 22 S. R. 3 W. con

Chains.	
53.00	Top of ridge. 40 ft. high. bears S. descend
72.00	Intersect the ¼ Sec. Cor. on N. side Secs. 6.
	T. 23 S. R. 3 W. on line. ascend
80.00	Set a sandstone 18×10×6 ins. 12 ins. in the ground for cor. to secs. 34 & 35. marked 4 notches on W. & 2 notches on E. edges; and raised a mound of stone 2 ft. base 1½ ft. high. N. of Cor. Pits impracticable.
	Land. broken.
	Soil. Rocky. 4th rate.
	Timber. Scrub cedars. scattering
	Mountainous land do. chams.
	East along S. side of Sec. 35.
	Enter scattering scrub cedars. descend 150 ft.
8.00	Ravine. course S. E. ascend 200 ft.
19.00	Point of ridge. bears S. descend 100 ft.
25.00	Gulch. course S. ascend
32.00	Intersect the closing Cor. to Secs. 5 & 6. T. 23 S. R. 3 W.
34.00	Top of sandstone point. bears S. descend
40.00	Set a sandstone 16×13×7 ins. 11 ins. in the ground for ¼ Sec. Cor. marked ¼ on N. face, from which
	A cedar 6 ins. in diam. bears N. 31° 30' E. 50 lks.
	dist. marked ¼ S. B. T.
	A pine 8 ins. in diam. bears S. 44° W. 22 lks.
	dist. marked ¼ S. B. T.
41.00	Descend 200 ft. over sandstone ledges
48.15	Rocky Gulch. course S. ascend 150 ft.
55.00	Point of ridge. bears S. descend 100 ft.
57.00	Rocky gulch. course S. ascend.
72.00	Intersect the ¼ Sec. Cor. on N. side of Sec. 5
	T. 23 S. R. 3 W.
75.00	Top of ridge. course S. E. descend.
80.00	Set a sandstone 18×11×7 ins. 12 ins. in the ground for cor. to Secs. 36 & 36. marked 5 notches on W. & 1 notch on E. edges; from which
	A pine 10 ins. in diam. bears N. 57° 30' E. 26 lks.
	dist. marked T. 22 S. R. 3 W. S. 36. B. T.
	A pine 20 ins. in diam. bears S. 10° 30' W. 50 lks.
	dist. marked T. 22 S. R. 3 W. S. 36. B. T.
	Land. broken.

See p. 382 for corrective notes

South boundary of T. 22 S. R. 3 W. Continued.

Chains.	
	Soil. Rocky. 4th rate.
	Timber. Scattering scrub Cedar.
	Mountainous land. 80 chains.
	East along S. side of Sec. 36.
	Enter scattering Cedar & pine. descend 300 ft. to
4.00	Ravine. course S. ascend 400 ft.
11.50	Ridge. bears W. & S. descend 200 ft. to
15.30	Gulch, course S. ascend 300 ft. to
32.00	Intersect the closing cor. to Secs. 4 & 5. on N. bdy. of T. 23 S. R. 3 W.
36.50	Top of ridge. bears N. & E. descend.
40.00	Set a sandstone 14x10x4 ins. 10 ins. in the ground for 1/4 Sec. Cor. marked 1/4 on N. face; from which
	A pine 10 ins. in diam. bears N 78° E 18 lks dist: marked 1/4 S. B. T.
	A pine 15 ins. in diam. bears N 56° W 3.7 lks dist: marked 1/4 S. B. T.
50.00	Head of gulch, course S. ascend 250 ft. to
57.00	Top of ridge. bears N.W. & S.E. descend
72.00	Intersect the 1/4 Sec. Cor. on N. side. Sec. 4. T. 23 S. R. 3 W.
80.00	Set a sandstone 18x10x7 ins. 12 ins. in the ground, for cor. to T'ps 22 & 23 S. R. 2 & 3 W. marked
	6 notches on N. & W. edges; from which
	A cedar 6 ins. in diam. bears N 64° 40' E. 38 lks. marked T. 22. S. R. 2 & 3 W. S. 33. B. T.
	A pine 12 ins. in diam. N 61° 15' W. 12 lks. dist: marked T. 22 S. R. 3 W. S. 36. B. T.
	Land. broken.
	Soil. Rocky 4th rate.
	Timber. Scrub cedar & pine. scattering
	Mountainous land. 80 chains.
	October 1 - 1896.

See p. 383 for corrective notes.

East boundary of T. 22 S. R. 3 W.

Chains	
	North along the east side of Sec. 36.
	Enter scattering cedar & pine. Ascend 20 ft.
1.60	Descend sandstone bluff 50 ft. high.
2.00	Foot of bluff. descend 350 ft. to
8.50	Ravine. Course S.E. ascend 1000 ft. to
49.00	Top of ridge. bears S.E. descend 500 ft. to
58.00	Gulch. course S.E. ascend 800 ft. to
76.50	Top of ridge. bears E. & W. descend 800 ft. to
107.50	South Fork of South Cedar Ridge Cañon. course E. ascend.
111.40	Set a limestone 20×8×6 ins. 15 ins. in the ground. for 1/4 sec. cor. marked 1/4 on W. face; and raised a mound of stone 2 ft. base, 1½ ft. high. W. of cor. Pits impracticable.
123.00	Top of ridge. 700 ft. above cañon. bears E. & W. descend 700 ft. to
131.20	South Cedar Ridge. Cañon. Course E. Creek 3 lks. wide 2 ins. deep. flows E.
131.95	Road. bears E. & W. ascend 750 ft. to
151.40	Set a sandstone 14×10×8 ins. 10 ins. in the ground for cor. to secs 25 & 36. marked 1 notch on S. & 5 notches on N. edges; from which
	A pine 10 ins. in diam. bears N 26° 45' W 52 lks. dist. marked T. 22 S. R. 3 W. S. 25. B.T.
	A cedar 10 ins. in diam. bears S 35° 15' W 6. lks. dist. marked T. 22 S. R. 3 W. S. 36. B.T.
	Land. broken.
	Soil. Rocky 4th rate.
	Timber. Scattering Cedar & pine.
	Mountainous land 151.40 chains.

See cor. note Book X

	North along E. side of Sec 25.
	Ascend in scattering cedar & pine
36.00	Top of ridge 200 ft. above Sec. Cor. bears E. & W. descend in scattering spruce. leave cedars.
40.00	Set a sandstone 16×10×4 ins. 11 ins. in the ground, for 1/4 Sec. Cor. marked 1/4 on W. face; from which
	A spruce 6 ins. in diam. bears N 44° E 20 lks. dist. marked 1/4 S. B.T.
	A spruce 15 ins. in diam. bears S 77° W 28

See cor. note Book X

East boundary of T. 22 S. R. 3 W. continued

Chains	
	lks. dist. marked 1/4 S. B.T.
50.00	Gulch 500 ft. below top of ridge. Course N.E. ascend.
53.00	Point of ridge, bears N.E. descend 300 ft. to
69.90	North Fork of South Cedar Ridge Cañon course S.E.
70.65	Road, bears N.W. & S.E.
80.00	Set a sandstone 16 x 8 x 6 ins. 11 ins. in the ground, for cor. to secs. 24 & 25, marked 2 notches on S. & 4 notches on N. edges; & raised a mound of stone 2 ft. base, 1½ ft. high. N. of Co. Pits impracticable.
	A pine 30 ins. in diam. bears N. 59° 20' W. 50 lks. dist. marked T. 22 S. R. 3 W. S. 24. B.T.
	No other bearing trees within limits.
	Land broken
	Soil. Rocky & Gravelly 4th rate.
	Timber. Cedar & spruce scattering
	Mountainous land 80 chains.
	October 2 - at this cor. I set off 4° S. on the decl. arc; and at 12 M. l. m. t. I observed the sun on the meridian; and the resulting lat. is 38° 53', N.
	North along the E. side of Sec. 24.
	Enter scattering cedars, ascend 400 ft. to
26.50	Point of ridge, bears S.E. descend.
40.00	Set a red sandstone 18 x 12 x 5 ins. 12 ins. in the ground for 1/4 Sec. Cor. marked 1/4 on N. face, and raised a mound of stone 2 ft. base, 1½ ft. high. N. of Co. Pits impracticable.
52.00	Rising 300 ft. dist. course S.E. ascend in spruce & leave cedars.
72.00	Top of ridge 1000 ft. above Sec. Cor. bears E. & W. enter dead timber, descend.
80.00	Set a red sandstone 18 x 10 x 6 ins. 12 ins. in the ground, for cor. to secs. 13 & 24, marked 3 notches on N. & S. edges; and raised a mound of stones 2 ft. base, 1½ ft. high. N. of Co. Pits impracticable.
	Land broken.

East boundary of T. 22 S. R. 3 W. Continued

Chains	
	Soil, Rocky, 2nd rate.
	Timber, Cedar & Spruce, scattering
	Mountainous land 80. chains.
	North along the E. side of Sec. 13.
	Descend in dead timber.
8.00	Gulch, 100 ft. below sec. cor. bears N.E., leave dead timber, enter spruce, ascend 50 ft. to
14.80	Point of ridge, bears N.E., descend 300 ft. to
34.10	Strawberry Cañon Course E. Creek 4 lks. wide, 2 ins. deep, flows E. leave timber, ascend,
34.30	Old Saw Mill bears East 1.00 chains dist.
40.00	Set a sandstone 18x10x6 ins. 12 ins. in the ground for 1/4 Sec. Cor. marked 1/4 on N. face, & raised a mound of stone 2 ft. base, 1½ ft. high N. of Cor. Pits impracticable,
68.00	Enter Spruce & Cedars
80.00	Set a sandstone 18x16x4 ins. 12 ins. in the ground for cor. to Secs. 12 & 13. marked 4 notches on S. & 2 notches on N. edges, from which A spruce 24 ins. in diam. bears S 46° 30' W 35 lks dist. marked T. 22 S. R. 3 W. S. 13. B. T.
	A spruce 30 ins. in diam. bears N 33° 10' W 28 lks dist. marked T. 22 S. R. 3 W. S. 12. B. T.
	Land, rolling.
	Soil, Gravelly & Rocky 3rd rate,
	Timber, Spruce & Cedar, scattering
	Mountainous land 80. chains.
	North along the E. side of Sec. 12.
	Enter spruce & pine, ascend.
35.00	Top of ridge, 500 ft. above Sec. Cor. bears N.W. & S.E. descend,
40.00	Set a sandstone 16x10x7 ins. 11 ins. in the ground for 1/4 Sec. Cor. marked 1/4 on N. face, from which A spruce 6 ins. in diam. bears S 60° E. 8 lks dist. marked 1/4 S. B. T.
	A spruce 18 ins. in diam. bears N 60° W. 30 lks dist. marked 1/4 S. B. T.
42.00	Gulch, course N.E., ascend 100 ft. to

East boundary of T. 22 S. R. 3 W. Continued.

Chains	
52.50	Ridge, bears N.E. & S.W. descend.
58.50	Road, bears E. & W.
65.40	Gulch, course E. leave timber, ascend.
76.00	Ridge, 150 ft. high, bears E. & W. descend.
80.00	Set a limestone 16 x 8 x 5 ins. 11 ins. in the ground for cor. to Secs. 1 & 12, marked 5 notches on S. & 1 notch on N. edges; from which An aspen 6 ins. in diam. bears N 30° 30' W 40 lks. dist. marked T. 22 S. R. 3 W. S. 1. B. T. An aspen 12 ins. in diam. bears S 87° 30' W 92 lks. dist. marked T. 22 S. R. 3 W. S. 12. B. T. Land broken. Soil, Gravelly & Rocky 3rd rate. Timber, Spruce & Pine, scattering Mountainous land 80 chains.
	October 2 - 1896
	North along E. side of Sec. 1. Enter aspens, descend 80 ft. to
2.20	Gulch, course E. ascend.
3.00	Point of ridge, 80 ft. high, bears E. descend
13.30	Ravine, course S.E. leave aspens, ascend
40.00	Set a sandstone 16 x 10 x 6 ins. 11 ins. in the ground for 1/4 sec. Cor. marked 1/4 on W. face; and raised a mound of stone 2 ft. base, 1½ ft. high. W. of cor. Pits impracticable.
50.60	Enter aspens.
61.30	Top of ridge, divide bet. Juab & Sevier Valleys, bears N.E. & S.W. leave aspens thence along W. side of ridge.
66.50	Road, bears N.E. & S.W.
80.00	Set temporary Cor. to Tps. 21 & 22 S. R. 3 W. October 3. I destroy this temporary cor. and at same point: Set a Sandstone 18 x 10 x 8 ins. 12 ins. in the ground for cor. to Tps. 21 & 22 S. R. 3 W. marked 22 S on S.W. & 3 W. on N.W. faces with 6 notches on N. & W. edges; and raised a mound of stone 2 ft. base 1½ ft. high S. of Cor. Pits impracticable Land rolling top of mountain. Soil, Gravelly & Rocky, 3rd rate. Timber, Aspen, scattering Mountainous land 80 chains.

North boundary of T. 22 S. R. 3 W.

Chains	
	From the 1/4 Sec. cor. on N. side of Sec. 6 which is a red sandstone 10x12x6 ins. above ground, marked and witnessed as described by the Surveyor General.
	I run
	East along the N. bdy. of the Tp. setting temp. 1/4 Sec. and Sec. Cors. at intervals of 40.00 chains, and at 440.50 chains intersect 38 lks N. of the temporary cor. to Tps 21 & 22 S. R. 3 W. which I make permanent.
	October 3 - 1896.
	N 89° 37' W. bet. secs 1 & 36.
	Descend
15.00	Enter scattering spruce & cedars.
26.60	Cañon 600 ft. below Tp. cor. course S. Creek 3 lks. wide 2 ins. deep flows S. ascend
40.00	Set a red sandstone 18x10x6 ins. 12 ins. in the ground for 1/4 Sec. cor. marked 1/4 on N. face & raised a mound of stone 2 ft. base, 1 1/2 ft. high. N. of cor. Pits impracticable.
44.00	Top of ridge 600 ft. above creek. bears S. leave spruce & cedars. descend.
62.50	Ravine 300 ft. deep. course S. ascend.
71.00	Point of ridge. bears S. descend.
76.50	Ravine, course S. E. enter scattering aspens ascend to
80.00	Set a red sandstone 16x10x6 ins. 11 ins. in the ground for cor. to Secs 1, 2, 35 & 36. marked 1 notch on E. & 5 notches on W. edges; and raised a mound of stone 2 ft. base, 1 1/2 ft. high. N. of cor. Pits impracticable.
	Land broken.
	Soil Rocky, 4th rate.
	Timber Spruce & Cedars. scattering
	Mountainous land 80. chains.
	N 89° 57' W. bet. secs 2 & 35.
	Enter scattering aspens. ascend.
22.00	Leave aspens.
24.50	Ridge 400 ft. above Sec. Cor. bears N. & S. descend
39.10	Head of ravine course N. E. road bears N. E.

North boundary of T. 22 S. R. 3 W. Continued.

Chains.	
	S.W. enter aspens. ascend.
40.00	Set a sandstone 18×14×6 ins. 12 ins. in the ground for 1/4 Sec. Cor. marked 1/4 on N. face; from which
	An aspen 8 ins. in diam. bears N. 16° 30' E. 18 lks. dist: marked 1/4 S. B.T.
	An aspen 24 ins. in diam. bears S. 8° 20' W. 24 lks. dist: marked 1/4 S. B.T.
78.00	Top of ridge. bears W. & S. leave aspens. descend to
80.00	Set a boulder 18×16×5 ins. 12 ins. in the ground for Cor. to Secs. 2. 3. 34 & 35. marked 2 notches on E. & 4 notches on N. edges; and raised a mound of stones 2 ft. base, 1½ ft. high. W. of cor. Pits impracticable.
	Land, rolling top of mountain.
	Soil: Gravelly & Rocky, 3rd rate.
	Timber, aspen, scattering
	Mountainous land 80 chains.
	N. 89° 54' W. bet. secs. 3 & 34.
	descend 300 ft. to
32.00	Ravine. course S. ascend.
40.00	Point of rocky ridge: 30 ft. high. Set a sandstone 18×10×6 ins. 12 ins. in the ground for 1/4 Sec. Cor. marked 1/4 on N. face; and raised a mound of stone 2 ft. base, 1½ ft. high N. of cor. Pits impracticable; enter aspens descend.
57.50	Fork of ravine. course S. ascend 50 ft. to
66.00	Point of ridge: bears S. descend 50 ft. to
66.00	Fork of same ravine. course S.E. ascend.
80.00	Set a sandstone 14×12×4 ins. 10 ins. in the ground for cor. to Secs. 3. 4. 33 & 34. marked 3 notches on E. & W. edges; and raised a mound of stone 2 ft. base, 1½ ft. high W. of cor. from which
	An aspen 12 ins. in diam. bears N. 51° E. 20 lks. dist: marked T. 21. S. R. 3. W. S. 34. B.T.
	An aspen 18 ins. in diam. bears N. 60° W. 8 lks. dist: marked T. 21. S. R. 3 W. S. 33. B.T.
	No other bearing trees available.

Chains	
	Land, rolling.
	Soil. Gravelly & Rocky, 3rd rate.
	Timber. Aspens, scattering.
	Mountainous land 80 chains.
	N 89° 57' W. bet. secs 4 & 33.
	Enter aspens, ascend 300 ft. to
4.00	Top of ridge, bears NW & SE, descend,
	gradually
16.00	Steeper descent; leave aspens, enter spruce
40.00	Set a limestone 16 x 12 x 4 ins. 11 ins. in the
	ground for 1/4 Sec. Cor. marked 1/4 on N. face,
	& raised a mound of stone 2 ft. base, 1½ ft.
	high N. of Cor. Pits impracticable,
	no bearing trees available.
72.00	Bottom of Cañon 1000 ft. below top of ridge
	course S. W. ascend in dense undergrowth
	leave spruce.
80.00	Set a limestone 16 x 14 x 9 ins. 11 ins. in the
	ground for cor. to Secs. 4, 5, 32 & 33. marked
	4 notches on E. & W. edges; & raised a mound of
	stone 2 ft. base, 1½ ft. high N. of Cor. Pits
	impracticable.
	Land, broken.
	Soil. Rocky, 4th rate.
	Timber. Spruce & Aspen scattering
	Mountainous land 80 chains.
	N 89° 57' W. bet. Secs 5 & 32.
	Ascend in dense oak brush, & scattering
	cedars.
1.30	Top of rocky ridge 100 ft. above Sec. Cor.
	bears N & S. descend.
5.00	Head of gulch 50 ft. deep. course S. ascend.
40.00	Set a Quartzite 14 x 10 x 8 ins. 10 ins. in the
	ground for 1/4 Sec. Cor. marked 1/4 on N. face,
	and raised a mound of stone 2 ft. base, 1½ ft.
	high. N. of Cor. Pits impracticable.
42.50	Top of ridge, 600 ft. above Sec. Cor. bears NE
	& SW. descend 500 ft. to
68.20	Gulch. course S. W. ascend to

North boundary of T. 22 S. R. 3 W. Continued.

Chains.	
80.00	Set a Quartzite 18×12×6 ins. 12 ins. in the ground for Cor. to Secs 5, 6, 31 & 32. marked 5 notches on E & 1 notch on W. edges; and raised a mound of stone 2 ft. base. 1½ ft. high. W. of cor. Pits impracticable. Land. broken. Soil. Rocky. 4th rate. Timber Cedar. scattering Mountainous land 80. chains.
	N 89° 57' W. bet. Secs 6 & 31. Descend in scattering cedars & dense under growth
38.20	Gulch 400 ft. below Sec. cor. course S. ascend to
40.30	The old ¼ Sec. Cor. as before described. Land. broken. Soil. Rocky 4th rate. Timber. Cedar, dense underg rowth on 40.30 ch. Mountainous land 40.30 chains. October 4 - 189[illegible].

General Description.

For General Description see sub-divisions of this township

John T. Breckon
U. S. Deputy Surveyor

Latitudes, departures and closing Errors.

Line designated	True bearing	Dist.	Latitude N	Latitude S	Departure E	Departure W
East bdy. T 22 S R. 3 W	North.	551.40	551.40			
N. bdy T 22 S. R. 3 W	N 89° 57' W	480.30	.42			480.30
W. bdy T 22 S. R. 3 W	South	551.40		551.40		
S. bdy T. 22 S. R. 3 W	East	480.00			480.00	
Convergency						.58
			551.82	551.40	480.00	480.88
			551.40			480.00

Error in lat. .42 Error in dep. .88

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

_____ of the _____
and _____ meridian, in the _____ of _____, which are represented i
foregoing field notes as having been surveyed by me, and under my direction; and I do further sole
swear that all the corners of said survey have been established and perpetuated in strict accordance wit
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 s
the penalty of perjury under the provisions of an Act of Congress approved August 8, 1846.

_____
United States Deputy Survey

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 March 27, 189

The foregoing field notes of the survey of North South East & West Boundar
of Township 22 South Range 3 West of the Salt Lake
Base & Meridian Utah

executed by John T. Breckon
under his contract No. 205, dated January 4th, 1896, having
critically examined, and the necessary corrections and explanations made, the said field notes, an
surveys they describe, are hereby approved.

George Snow
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

_____
United States Surveyor Gene

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X

4—679.

BOOK A-248

Corrective

H.J.B.

FIELD NOTES

OF THE SURVEY OF THE

S & E boundaries of T. 22 S. R. 3 W

Of the Salt Lake Base and Meridian,

State of Utah.

AS SURVEYED BY

John T. Breckon, United States Deputy Surveyor,

Under his Contract No. 205, dated January 4", 1896

1 Hon. Commissioner's letter "E" dated April 29, 1898.

Survey commenced May 21", 1898

Survey completed May 23", 1898

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BOOK A-248

NAMES AND DUTIES OF ASSISTANTS.

Alexander Morrison Chainman

Homer McCarty Chainman

Jared Wellington Axeman & Flagman

C—151

Volume

#

R0248

BOOK A-248

INDEX DIAGRAM.

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Meanders Page.....

PRELIMINARY OATHS OF ASSISTANTS.

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

.....

..... , *Chainm*

..... , *Chainm*

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

SEAL

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

.....

..... , *Moundm*

..... , *Moundm*

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

SEAL

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

.....

..... , *Axm*

..... , *Axm*

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

SEAL

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

..... , *Flagm*

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

SEAL

Corrective notes of

— South boundary of T. 22 S. R. 3 W.

Survey commenced May 21" 1898. and executed with a Gurley Mountain transit with solar attachment.

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

At the cor. to Secs 34 & 35 on S. bdy. of the township, which is a sandstone 8×10×6 ins. above ground, marked and witnessed as described in original field notes. Latitude 38°.51' N. Longitude 112°.08' W. I set-off 38°.51' N. on the lat. arc; 20°.21' N. on the decl. arc; and at 4h 30m P.M. l.m.t. determine with the solar a true meridian, and mark a point thereof on a stone firmly set in the ground 1.50 chs. N. of the cor.

May 21" 1898

May 22"; At 5h 25m A.M. l.m.t. I observe Polaris at eastern elongation in accordance with Manual of Instructions. and mark a point in the line thus determined, on a plug driven in the ground 1.50 chs. N. of my station.

At 6h 30m A.M. l.m.t. I lay off the azimuth of Polaris 1°.55' to the west; the true meridian thus determined falls in groove in stone, same as determined by the solar.

At 8h A.M. l.m.t. I set-off 38°.51' on the lat. arc; 20°.29' N. on the decl. arc; and mark a point in the true meridian determined with the solar, by a cross on the stone already set 1.50 chs. N. of my station. this mark falls 0.1 ins. east of the true meridian established by the Polaris observation.

The solar apparatus by P.M. & A.M.

Corrective notes of
South boundary of T. 22. S. R. 3. W. Continued

Chains.	
	observations, differs positions for true meridians respectively coincident with, and 0:05" east of the meridian established by the Polaris observations; therefore I conclude that the adjustments of the instrument are satisfactory.
	The magnetic bearing to the true meridian at 8h 30m a. m. is N 16° 02' W. the angle thus determined reduced by the table page 100 gives the mean Mag. decl. 15° 58' E
	From the corner already described I run,
	East along the S. bdy of Sec. 35.
	Entire scattering cedars & pines. descend 150 ft.
8.00	Dry wash 50 lks. wide 3 ft. deep in narrow course S. E. ascend.
19.00	Point of ridge bears S. descend 100 ft.
25.00	Gulch. course S. ascend
32.00	The closing corner to Secs 5 & 6. T 23. S. R. 3. W. which is a sandstone 5 x 12 x 8 ins. above ground. marked & witnessed as described in original field notes.
34.00	Top of red sandstone point bears S. descend
40.00	The 1/4 Sec. Cor. on S. bdy. Sec. 35. T 22. S. R. 3. W. which is a sandstone 6 x 18 x 7 ins. above ground. marked & witnessed as described in original field notes.
41.00	Descend sandstone ledges.
48.60	Rocky gulch. 200 ft. deep. course S. ascend 150 ft. to
56.50	Point of ridge. bears S. descend 100 ft. to
59.45	Rocky gulch. course S. ascend.
72.00	Set a sandstone 18 x 14 x 10 ins. 12 ins. in the ground for 1/4 Sec. Cor. on N. bdy. of Sec. 5. T. 23. S. R. 3. W. marked 1/4 on N. face; and raised a mound of stone 2 ft. base, 1½ ft. high. N. of Cor. Pits impracticable.
	I destroy all trace of old corner, which bears S 25° 30' E 108 lks dist.

Corrective notes of

South boundary of T. 22 S. R. 3 W. Continued

Chains	
75.00	Top of ridge bears N. E. & S. W. descend.
80.00	The old cor. bears S. 22° 10' E. 12.2 lks dist. I destroy all trace of same and set a sandstone 18×11×7 ins. 12 ins. in the ground for Cor. to Secs. 35 & 36. marked 1 notch on S. & 5 notches on W. edges; and raised a mound stone 2 ft. base 1½ ft. high. N. of Cor. Pits impracticable. Land broken. Soil Rocky 4th rate. Timber Scattering scrub cedars. Mountainous land 80. chs.
	East along the S. bdy. of Sec. 36.
	Enter scattering cedars & pines. descend
4.20	Ravine course S. ascend 400 ft. to
11.80	Point of ridge, falls S. descend 175 ft. to
15.50	Gulch course S. ascend.
32.00	Set a sandstone 16×10×6 ins. 11 ins. in the ground for Closing Cor. to Secs 4 & 5. T. 23 S. R. 3 W. marked C.C. on S. with 4 grooves on E. & 2 grooves on W. faces; & raised a mound of stone 2 ft. base 1½ ft. high S. of Cor. Pits impracticable. I destroy all trace of old corner which bears South 102 lks dist.
36.70	Top of ridge bears N. & S. descend.
40.00	The old cor. bears South 105 lks dist. I destroy all trace of same and set a sandstone 16×10×4 ins. 11 ins. in the ground for ¼ Sec. Cor. on S. bdy. of Sec. 36. marked ¼ on N. face; and raised a mound of stone 2 ft. base 1½ ft. high. N. of Cor. Pits impracticable. No bearing trees within limits.
50.00	Head of gulch course S. ascend.
56.80	Top of ridge bears N. W. & S. E. descend
72.00	The ¼ Sec. Cor. on N. bdy. of Sec. 4. T. 23 S. R. 3 W. which is a sandstone 6×12×6 ins. above ground, marked & witnessed as described in original field notes.

Chains 80.00

The cor. to Tp. 22 S. Rs 2½ & 3. W. bears N. 47 lks. dist. I destroy all trace of same & Set a sandstone 18×10×7 ins. 12 ins. in the ground, for Cor. to Tp. 22. S. Rs 2½ & 3. W. marked

22 N. on N. E.

3 W. on N. W. with 6 notches on N. E & W. edges; from which

A cedar 6 ins. in diam. bears N 27°35' E 73 lks dist. marked T. 22. S. R. 2½ W. S. 33. B. T.

A pine 12 ins. in diam. bears N 11°45' W 53 lks dist. marked T. 22. S. R. 3. W. S. 36. B. T.

Land. broken.

Soil. Rocky, 4th rate.

Timber. Scattering scrub cedar & pine.

Mountainous land 80 chains.

I continue this line east and at 32.00 chains intersect the cor. to Secs 3. 4. 33 & 34. which is a limestone 6×10×6 ins above ground, marked & witnessed as described in original field notes.

May 22" 1898

Collection Notes of

East boundary of T. 22. S. R. 3 W.

North along E. side of Sec. 36.
Enter scattering Cedars & pines. ascend 20 ft.
2.07 Top of sandstone bluff 50 ft. high. descend
2.50 Foot of bluff. descend 350 ft.
9.00 Ravine. course S.E. ascend 1000 ft.
49.45 Top of ridge. bears S.E. descend 500 ft.
58.50 Gulch. course S.E. ascend 800 ft.
77.00 Top of ridge. bears E. & W. descend
80.35 The Closing Cor. to Secs 28 & 33. T. 22. S. R. 2½ W. which is a limestone 8×10×7 ins. above ground. marked & witnessed as described in original field notes.
108.00 South Fork of South Cedar Ridge Cañon 800 ft. below ridge. course E. ascend.
111.40 The ¼ Sec. Cor. bears North 18 lks dist. I destroy all trace of same and Set a limestone 20×8×6 ins. 15 ins. in the ground for ¼ Sec. Cor. marked ¼ on W. face & raised a mound of stone 2 ft. base. 1½ ft. high. W. of Cor. Pits impracticable
123.20 Top of ridge 700 ft. high. bears E. & W. descend.
131.40 South Cedar ridge cañon. Course E. Creek 3 lks wide. flows E.
132.05 Cañon road. bears E. & W. ascend 750 ft.
151.40 The old cor. bears S 81° W 10 lks dist. I destroy all trace of same and set a sandstone 14×10×8 ins. 9 ins. in the ground for Cor. to Secs 25 & 36. T. 22. S. R. 3. W. marked 1 notch on S. & 5 notches on N. edges; from which A pine 10 ins. in diam. bears N 36° 35' W 55 lks. dist. marked T. 22. S. R. 3. W. S. 25. B. T. A cedar 10 ins. in diam. bears S 64° 10' W 15 lks. dist. marked T. 22. S. R. 3. W. S. 36. B. T.
Land. broken.
Soil. Rocky 4th rate.
Timber. Scattering Cedars & pines.
Mountainous land 151.40 chs.

East boundary of T. 22. S. R. 3. W. Continued

Chains	
	North along E. side of Sec. 25
	Enter cedars & pinon. ascend.
8.63	Lhs Closing Cor. to Secs 24 & 25. T. 22. S. R. 2½ W. which is a sandstone 4×10×6 ins. above ground. marked & witnessed as described in original field notes.
36.00	Top of ridge 200 ft. above Sec. Cor. bears E. & W. leave Cedars. descend in Spruce & pinon
40.00	Lhs ¼ Sec. Cor. on E. side Sec. 25. which is a sandstone 6×10×4 ins. above ground marked & witnessed as described in original field notes.
50.00	Gulch 500 ft. below ridge course N. E. ascend.
53.00	Point of ridge. bears N. E. descend 300 ft.
69.90	North Fork of South Cedar ridge Cañon course S. E.
70.65	Cañon road. bears N. W. & S. E. ascend.
80.00	Lhs Cor. to Secs 24 & 25. T. 22. S. R. 3. W. which is a sandstone 5×8×6 ins. above ground. marked & witnessed as described in original field notes.
	Land broken.
	Soil Rocky & Gravelly. 4th rate.
	Timber. Cedar, Spruce & pinon.
	Mountainous land 80 chains.
	May 23" 1898.

John T. Breckon
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 John T. Breckon, 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 S. bdy. of T. 27 S. R. 4 W. E. bdy. of T. 26 S. R. 4 W. E. bdy. of T. 23 S. R. 2 W. & S. bdy. of T. 22 S. R. 3 W. showing the respective capacities in which they acted:

Alexander Morrison, Chainman.
Homer McCarty, Chainman.
, Moundman.
, Moundman.
Jared Wilkinson, Axman.
, Axman.
Jared Wilkinson, Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted John T. Breckon, United States Deputy Surveyor, in surveying all those parts or portions of the S. bdy. of T. 27 S. R. 4 W. E. bdy. of T. 26 S. R. 4 W. E. bdy. of T. 23 S. R. 2 W. & S. bdy. of T. 22 S. R. 3 W. of the Salt Lake Base and meridian, 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.

Homer McCarty, Chainman.
Alexander Morrison, Chainman.
, Moundman.
, Moundman.
Jared Wilkinson, Axman.
, Axman.
Jared Wilkinson, Flagman.

Subscribed and sworn to before me this 24th day of May, 1898

J. M. Saunitzen
Notary Public

SEAL

My Com. Exp. Feb. 5th 1900

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FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, ... United States Deputy Surveyor, solemnly swear that, in pursuance of a contract received from ..... United States Surveyor General for ..... bearing date of ..... day of ..... 19.., 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 United States, surveyed all those parts or portions of .....

..... of the ..... meridian, in the ..... of ..... which are represented in foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for ..... and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey; and should any fraud be detected, I will [illegible] the penalty of perjury under the provisions of an Act of Congress approved August 6, 1841.

United States Deputy Surveyor.

Subscribed by said ..... and sworn to before me this ..... day of ..... 19..

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, [illegible] 1[illegible]

The foregoing field notes of the survey of [illegible] Meridian of the Salt Lake Base Meridian, Utah.

executed by ..... John [illegible] Bracken, [illegible] under his contract No. [illegible], dated ..... January [illegible], 19[illegible], having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

[illegible]

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.

36.7.13.

BOOK A-248

FIELD NOTES

OF THE SURVEY OF

Subdivision of T. 22 S. R. 3 W.

Of the Salt Lake Base Meridian,

State of Utah

AS SURVEYED BY

John T. Brickow, United States Deputy Surveyor,

under his Contract No. 206, dated January 11, 1896

Survey commenced October 5, 1896

Survey completed October 14, 1896

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M. Ch. Lks.

Subs. high 52-37-48 ✓

BOOK A-248

Names and Duties of Assistants.

Joshua Gardner Chainman

Chris Lorenson Chainman

Chas Thomson Axeman

A. J. Parry Axeman

H. E. Van Ailstyn Axeman

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BOOK A-248

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Meanders Page

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Preliminary Oaths of Assistants.

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

_____, *Chain*

_____, *Chain*

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

SEAL

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

_____, *Axman*

_____, *Axman*

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

SEAL

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

_____, *Flagman*

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

SEAL

Subdivision of T. 22 S. R. 3 W.

Survey commenced Oct. 5. 1896. and executed with a Shirley mountain transit with solar attachment.

I begin at the cor. to secs. 35 & 36 on the S. bdy. of the township, heretofore described. Oct. 5. At 8h 20m A.M. l.m.t. I set off 38° 51' N on the lat. arc; 5° 04' S on the decl. arc; and determine a true meridian with the solar at the cor. to secs 35 & 36.

Thence I run

N 0° 01' W. bet. secs 35 & 36.

Enter scattering cedars. descend.

2.50 Gulch 50 ft. deep, course S. E. ascend

7.00 Ridge, bears N.W. & S.E. descend 100 ft. to

13.80 Ravine, course S.E. ascend 600 ft. to

51.60 Top of ridge, bears E. & W. descend 500 ft. to

81.40 South Fork of South Cedar Ridge Canon, Course N.E. ascend

101.40 Top of ridge 400 ft. above Canon bears E. & W. descend.

109.90 Gulch, course E. ascend

111.40 Set a sandstone 14 x 10 x 6 ins. 10 ins. in the ground for 1/4 Sec. Cor. marked 1/4 on N. face; and raised a mound of stone 2 ft. base, 1½ ft. high N. of cor. Pits impracticable.

114.40 Point of ridge, bears E. descend,

121.15 Ravine course E. ascend

137.40 Top of ridge, bears E. & W.

140.00 descend in Pine & spruce timber,

157.40 Set a sandstone 14 x 10 x 7 ins. 10 ins. in the ground, for Cor. to Secs 25. 26. 35 & 36. marked 1 notch on S. & E. edges; from which

A spruce 12 ins. in diam. bears N 18° E 12 lks dist. marked T. 22 S. R. 3 W. S. 25. B.T.

A pine 14 ins. in diam. bears S 15° W 8 lks dist. marked T. 22 S. R. 3 W. S. 35. B.T.

A pine 14 ins. in diam. bears N 80° W 16 lks dist. marked T. 22 S. R. 3 W. S. 26. B.T.

No other bearing trees available.

Land broken.

Soil. Rocky. 4th rate.

Subdivision of T. 22 S. R. 3 W. Continued

Chains.	
	Timber: Cedar, Pine & Spruce, scattering
	Mountainous land, 151.40 chains.
	East on a random line bet. Secs 25 & 36.
40.00	Set temporary 1/4 Sec. Cor.
79.94	Intersect E. bdy. of Tp. at cor. to Secs 25 & 36.
	Thence I sum
	West on a true line bet. secs 25 & 36
	Enter scattering cedar & Pine, descend.
7.50	Gulch, 200 ft. deep, course S. ascend
14.00	Point of ridge, bears S. descend 200 ft. to
22.00	South Cedar Ridge, Cañon, course S.E.
	Road, bears NW & SE
22.50	Creek 3 lks wide, 2 ins. deep, flows S.E., ascend
	in spruce and pines, leave cedars.
39.97	Set a sandstone 26 x 10 x 3 ins. 19 ins. in the
	ground for 1/4 Sec. Cor. marked 1/4 on N. face,
	from which
	A balsam 10 ins. in diam. bears S 46° E 18 lks
	dist. marked 1/4 S.B.T.
	A balsam 26 ins. in diam. bears S 20° W. 12
	lks. dist. marked 1/4 S.B.T.
42.00	Gulch, course N.
52.50	Gulch, course N.
66.00	Gulch, course N.
75.50	Gulch, course N.E.
79.94	The cor. to Secs 25, 26, 35 & 36
	Land, broken
	Soil, Gravelly & Rocky 3rd rate.
	Timber, Cedar, Spruce & Pine, scattering
	Mountainous land, 79.94 chains.
	Oct. 5. at this cor. I set off 5°09' S on the
	decl. arc; and at 12 m. l.m.t. observe the
	sun on the meridian, the resulting lat.
	is 38° 53' N.
	N. 0° 01' W. bet. secs 25 & 26.
	Enter pine & spruce, descend.
15.00	South Cedar Ridge Cañon, course E.
15.25	Road bears E & W.
16.00	Dry wash 20 lks wide 2 ft. deep, course E. ascend

Subdivision of T. 22 S. R. 3 W. continued

Chains	
	in scattering cedars & pines.
33.00	Point of ridge bears S.W.
40.00	Set a sandstone 14×10×4 ins. 10 ins. in the ground for 1/4 Sec. Cor. marked 1/4 on W. face, and raised a mound of stone 2 ft. base 1½ ft. high. W. of Cor. Pits impracticable.
66.00	Ridge bears E. & W. descend, leave cedar enter spruce
80.00	Set a sandstone 14×9×4 ins. 10 in the ground for cor. to secs 23. 24. 25 & 26 marked 2 notches on S. & 1 notch on E. edges; and raised a mound of stone 2 ft. base, 1½ ft. high. W. of cor. Pits impracticable, from which
	a spruce 14 ins. in diam. bears N 85° E 18 lks dist. marked T. 22 S. R. 3 W. S. 24, B.T.
	a Pine 14 ins. in diam. bears S 8° W. 33 lks dist. marked T. 22 S. R. 3 W. S 26. B.T.
	No other bearing trees within limits.
	Land, broken;
	Soil, Gravelly & Rocky 5th rate.
	Timber, Pine, Spruce & Cedar, scattering
	Mountainous land. 80. chains.
	East on a random line bet. secs 24 & 25,
40.00	Set temporary 1/4 Sec. Cor.
79.90	Intersect E. bdy. of T. p. at cor. to secs 24 & 25.
	Thence I run
	West on a true line bet. secs 24 & 25,
	Enter scattering pine & Cedar, descend,
4.00	Gulch. 50 ft. deep, course S. ascend
15.00	Point of ridge. bears S.E. descend,
19.00	North Fork of South Cedar Ridge Cañon,
20.00	Road, bears N.W. & S.E. leave cedar, enter spruce, ascend,
39.95	Set a sandstone 16×9×6 ins. 11 ins. in the ground for 1/4 Sec. Cor. marked 1/4 on W. face, and raised a mound of stone 2 ft. base, 1½ ft. high. N. of Cor. Pits impracticable,
44.00	Ravine, course S.E. descend to
79.90	The cor. to secs 23. 24. 25 & 26.
	Land broken.

Subdivision of T. 22 S. R. 3 W. Continued

Chains	
	Soil. Gravelly & Rocky 3rd rate.
	Timber. Spruce, pine & cedar scattering
	Mountainous land. 79.90 chains.
	No. 01' W. bet. secs 23 & 24.
	Descend in spruce & pine.
7.50	Ravine. course S 80° E. leave timber, ascend,
23.50	Ridge. bears E. & W. descend in spruce & pine
35.00	Ravine, course S. E. ascend
40.00	Set a sandstone 18x10x5 ins. 12 ins. in the ground. for 1/4 Sec. Cor. marked 1/4 on W. face; and raised a mound of stone 2 ft. base, 1½ ft. high W. of cor. Pits impracticable.
	No bearing trees available.
65.00	Ridge. bears NW. & S. E. descend.
80.00	Set a sandstone 16x14x10 ins. 11 ins. in the ground for cor. to secs 13. 14. 23. & 24, marked 3 notches on S. & 1 notch on E. edges; from which
	A spruce 11 ins. in diam. bears N 28° 10' E 22 lks dist. marked T. 22. S. R. 3. W. S. 13. B. T.
	A spruce 14 ins. in diam. bears S 33° 30' E 11 lks dist. marked T. 22 S R. 3 W. S 24. B. T.
	A spruce 10 ins. in diam. bears S 77° 20' W 26 lks dist. marked T. 22. S. R. 3. W. S 23. B. T.
	A spruce 14 ins. in diam. bears N 11° W. 20 lks dist. marked T. 22. S. R. 3. W. S. 14 B. T.
	Land broken.
	Soil. Gravelly & Rocky 3rd rate.
	Timber. Spruce & Pine, scattering
	Mountainous land 80. chains.
	October 5 – 1896.
	East on a random line bet. secs 13 & 24.
40.00	Set temporary 1/4 Sec. Cor.
77.80	Intersect E. bdy of tp. at cor. to secs 13. & 24.
	thence I run
	West on a true line bet. secs 13 & 24
	Ascend in dead timber
21.00	Top of ridge. 200 ft. above sec. cor. bears S. W. & S. E. leave dead timber, enter spruce & cedars

Subdivision of T. 22 S. R. 3 W. Continued.

Chains	
	descend over sandstone ledges.
39.90	Set a red sandstone, 15 x 10 x 4 ins. 10 ins. in the ground for 1/4 Sec. Cor. Pits impracticable. marked 1/4 on N. face, and raised a mound of stone 2 ft. base, 1 ft. high N. of Cor.
	No bearing trees available.
	Clear ledges.
64.30	Ravine 600 ft. below top of ridge. Course S. road. bears N. and S. ascend.
71.50	Point of ridge 200 ft. above ravine. bears S. E. descend.
77.30	Gulch. course S. E. ascend 80 ft. to
79.80	The cor. to Secs 13. 14. 23 and 24
	Land. broken.
	Soil. Gravelly and Rocky 3rd rate.
	Timber Spruce and cedars. scattering
	Mountainous land. 79.80 chains.
	N 0°. 01' W. bet. secs 13 and 14.
	Enter spruce and pines. descend 5.0 ft. to
1.60	Gulch. course S. E. enter scattering spruce and cedars. ascend ridge, thence ascending same
40.00	Set a sandstone 14 x 8 x 4 ins. 10 ins. in the ground for 1/4 Sec. Cor. marked 1/4 on N. face; from which
	An aspen 12 ins. in diam. bears N 26°. 30' E 82 lks. dist. marked 1/4 S. B. T.
	a spruce 24 ins. in diam. bears S 66°. 30' W 65 lks. dist. marked 1/4 S. B. T.
48.00	Top of ridge. bears E. and W. descend 200 ft. to
66.50	Head of Strawberry Cañon. course E. ascend
80.00	Set a sandstone 18 x 14 x 10 ins. 12 ins. in the ground for cor. to secs 11. 12. 13 and 14. marked 4 notches on S. and 1 notch on E. edges; from which
	An aspen 6 ins. in diam. bears N 24° E 45 lks. dist. marked T. 22 S. R. 3 W. S. 12. B. T.
	A cedar 30 ins. in diam. bears S 85°. 20' E 19 lks dist. marked T. 22 S. R. 3 W. S. 13. B. T.
	A cedar 36 ins. in diam. bears S 40° W 9 lks dist. marked T. 22 S. R. 3 W. S. 14. B. T.
	An aspen 10 ins. in diam. bears N 55° W 24 lks. dist. marked T. 22 S. R. 3 W. S. 11. B. T.
	Land. Rolling.

Subdivision of T. 22 S. R. 3 W. Continued

Chains	
	Soil, Gravelly & Rocky 3rd rate,
	Timber Spruce, pine & aspen, scattering
	Mountainous land 80 chains.
	East on a random line bet. secs 12 & 13.
40.00	Set temporary 1/4 sec. cor.
79.60	Intersect E. bdy. of Tp. 10 lks S. of cor. to secs. 12 & 13
	thence S. cum
	S 89° 56' W. on a true line bet. secs 12 & 13.
	Enter scattering spruce, pine & aspens, descend,
39.80	Set a sandstone 18x11x7 ins. 12 ins. in the ground for 1/4 Sec. Cor. marked 1/4 on N. face; and raised a mound of stone 2 ft. base, 1½ ft. high, N. of Cor. Pits impracticable.
42.10	Ravine course S. have spruce & pine, enter scattering aspen, mahogany & cedars ascend.
50.00	Ridge, 150 ft. high, course S. descend.
53.50	Ravine, course S. ascend gradually 300 ft. to
79.60	The cor. to secs 11, 12, 13 & 14.
	Land rolling.
	Soil Gravelly & Rocky 3rd rate.
	Timber Spruce, pine, Cedar, Aspen & Mahogany, scattering
	Mountainous land 79.60 chains.
	At this cor. I set off 5° 32' S. on the decl. arc; and at 12 m. I am to observe the sun on the meridian the resulting lat. is 38° 55' N
	N 0° 01' W. bet. secs 11 & 12.
	Ascend in aspens and scattering cedars.
10.00	Leave timber
24.00	Road bears N. 6° W.
40.00	Set a limestone 16x10x8 ins. 11 ins. in the ground for 1/4 Sec. Cor. marked 1/4 on N. face; and raised a mound of stone 2 ft. base, 1½ ft. high, N. of Cor. Pits impracticable.
49.50	Top of ridge, bears N. 6° W. 600 ft. above Sec. cor. descend in scattering spruce & pine,
63.00	Gulch, 300 ft. deep, course W. ascend.
73.50	Point of ridge, bears W. descend to
80.00	Set a sandstone 16x14x10 ins. 11 ins. in the ground

Subdivision of T. 22 S. R. 3 W. Continued.

Chains.	
	for cor. to secs. 1. 2. 11 & 12. marked 5 notches on S. and 1 notch on E. edges; from which
	A spruce 10 ins. in diam. bears N 16° E. 82 lks dist. marked T. 22. S. R. 3. W. S. 1. B. T.
	A spruce 30 ins. in diam. bears S 34° 45' W. 30 lks dist. marked T. 22. S. R. 3. W. S. 11. B. T.
	A spruce 12 ins. in diam. bears N 2° 40' W. 64 lks dist. marked T. 22. S. R. 3. W. S. 2. B. T.
	Other bearing trees within limits.
	Land. Rolling top of mountain.
	Soil. Gravelly & Rocky. 3rd rate.
	Timber. Aspen & spruce. scattering
	Mountainous land 80. chains.
	N 89° 56' E. on a random line bet. secs. 1 & 12.
40.00	Set temporary 1/4 Sec. Cor.
79.50	Intersect E. bdy. of Lp. 15 lks S. of cor. to secs. 1. & 12.
	thence S run
	S 89° 50' W. on a true line bet. secs. 1 & 12.
	Ascend on scattering aspens to
32.00	Top of ridge. 500 ft. above Sec. Cor. bears N. E. and S. W. leave aspens. descend
32.40	Road N. E. & S. W.
39.75	Set a sandstone 18 x 14 x 5 ins. 12 ins. in the ground for 1/4 Sec. Cor. marked 1/4 on N. face and raised a mound of stone 2 ft. base 1½ ft. high. N. of cor. Pits impracticable.
55.30	Gulch. course N.W. stream 2 lks wide. 1 in. deep flows N.W. enter aspen & spruce timber. ascend
70.00	descend 150 ft. from point of ridge. bearing N.
79.50	The cor. to Secs. 1. 2. 11 & 12.
	Land. rolling top of mountain.
	Soil. Gravelly & Rocky. 3rd rate.
	Timber. Aspen & spruce scattering
	Mountainous land. 79.50 chains.
	N 0° 01' W. on a random line bet. secs. 1 & 12.
40.00	Set temporary 1/4 Sec. Cor.
80.20	Intersect N. bdy. of Tp. 42 lks. E. of cor. to secs. 1. 2. 35 & 36.
	thence S run.
	S 0° 19' E. on a true line bet. secs. 1 & 2.

Subdivision of T. 22 S. R. 3 W. Continued

Chains.	
	Enter scattering aspen, ascend 150 ft. to
8.20	Top of ridge, bears S. E. descend along E. slope.
40.20	Set a sandstone 18x16x6 ins. 12 ins. in the ground for 1/4 Sec. Cor. marked 1/4 on W. face; and raised a mound of stone, 2 ft. base, 1½ ft. high. W. of Cor. Pits impracticable.
	Enter scattering spruce.
63.00	Bottom of Cañon, course S. W. stream 5 lks. wide, 2 ins. deep, flows S. W. ascend
66.50	Point of ridge, 80 ft. high. bears S. W. descend.
69.50	Ravine, course S. W. ascend 400 ft. to
80.20	The cor. to Secs. 1, 2, 11 and 12.
	Land, broken.
	Soil, Gravelly and Rocky 3rd rate
	Timber, Aspen and Spruce, scattering
	Mountainous land 80.20 chains
	October 6 - 1896.
	From the cor. to Secs 34 and 35 on S. bdy. of Tp as hereinbefore described, I run
	N. 0.01 W. bet. secs 34 and 35.
	Enter scattering cedars, ascend 50 ft. to
1.30	Point of ridge, bears S. E. descend 150 ft. to
12.40	Ravine, course S. E. ascend 400 ft. to
53.40	Top of rocky ridge, bears E and W. descend 300 ft. to
68.15	South Fork of South Cedar Ridge Cañon, course E. ascend.
111.40	Set a limestone 16x12x8 ins. 11 ins. in the ground for 1/4 Sec. Cor. marked 1/4 on W. face; and raised a mound of stone 2 ft. base, 1½ ft. high. W. of Cor. Pits impracticable.
119.40	Top of ridge 375 ft. above cañon, bears E and W.
123.00	clear cedars, enter spruce and aspens, descend.
151.40	Set a sandstone 20x14x6 ins. 15 ins. in the ground for cor. to secs 26, 27, 34 and 35. marked 1 notch on S. and 2 notches on E. edges; from which
	An aspen 8 ins. in diam. bears N 85° E. 10 lks dist. marked T. 22 S. R. 3 W. S. 26. B. T.
	An aspen 7 ins. in diam. bears S 4° W. 6 lks dist. marked T. 22 S. R. 3 W. S. 34. B. T.
	An aspen 12 ins. in diam. bears N 46° W. 45 lks

Subdivision of T. 22. S. R. 3. W. Continued.

Chains.	
	dist. marked T. 22. S. R. 3. W. S. 27. B. T.
	No other bearing trees available. Saw mill bears N 39° E 22.35 chs. dist.
	Land. broken.
	Soil. Rocky and Gravelly 4th rate.
	Timber. Cedar, aspen and spruce scattering
	Mountainous land 151.40 chains.
	East on a random line bet. secs 26 and 35.
40.00	Set temporary 1/4 Sec. Cor.
79.90	Intersect N and S. line at cor. to secs 25. 26. 35 and 36.
	thence I run
	West on a true line bet. secs 26 and 35.
	Enter spruce and aspen timber along S. side of Cañon. ascending.
2.00	Gulch. course N. E.
8.50	Gulch. course N. E.
20.00	Gulch. course N.
31.00	Head of gulch. course N. E.
39.95	Set a sand stone 14×9×4 ins. 10 ins. in the ground for 1/4 Sec. Cor. marked 1/4 on N. face; and raised a mound of stone 2 ft. base, 1½ ft. high.
	N. of cor. Pits impracticable. In small clearing.
41.00	Point of ridge, bears N. E. descend.
44.00	Gulch. course N. E. ascend.
49.00	Point of ridge. bears N. E. descend.
52.00	Ravine 125 ft. deep. course N. E. ascend
56.00	Point of ridge. bears N. E.
79.90	The cor. to secs 26. 27. 34 and 35.
	Land, broken.
	Soil - Gravelly and Rocky 3rd rate.
	Timber. Spruce and aspen. scattering
	Mountainous land. 79.90 chains.
	October 7. at this cor. I set off 5° 55' S. on the decl. arc; and at 12 M. l. m. t. I observe the sun on the meridian; the resulting lat. is 38° 53' N
	N 0° 01' W. on a random line bet. secs 26 and 27.
40.00	Set temporary 1/4 Sec. Cor.
79.90	Intersect 13 lks E. of old cor. to secs 22. 23. 26 and 27 which is a sandstone 8×14×4 ins. above

Subdivision of T. 22 S. R. 3 W. Continued

Chains.	
	ground, marked and witnessed as described by the Surveyor General.
	Thence I run
	S. 0° 07' E. on a true line bet. secs. 26 & 27.
	Ascend
17.40	Top of ridge, bears NW. & SE. descend in scattering spruce & cedars.
39.90	Set a sandstone 20 x 9 x 6 ins. 15 ins. in the ground, for 1/4 sec. Cor. marked 1/4 on W. face, and raised a mound of stone 2 ft. base, 1 1/2 ft. high W. of cor. Pits impracticable.
	A pine 12 ins. in diam. bears S. 40° W. 22 lks. dist. marked 1/4 S. B. T.
55.00	Gulch. 350 ft. below ridge, course S. E. ascend
60.00	Point of ridge, bears E. descend.
64.40	Dry wash 50 lks. wide, 3 ft. deep, in bottom of South Cedar Ridge Cañon, course E.
65.20	Road, bears E. & W. enter heavy growth of spruce & aspens. ascend 350 ft. to
77.00	Ridge. course N. E.
79.90	The cor. to Secs. 26, 27, 34 & 35.
	Land, broken.
	Soil, Gravelly & Rocky, 3rd rate.
	Timber, Spruce, aspen & cedars, scattering.
	Mountainous land 79.90 chains.
	From the cor. to Secs. 22, 23, 26 & 27.
	I run
	East on a random line bet. Secs. 23 & 26.
40.00	Set temporary 1/4 Sec. Cor.
79.80	Intersect W. & S. line 5 lks. N. of cor. to Secs. 23, 24, 25 & 26.
	Thence I run
	N. 89° 58' W. on a true line bet. secs. 23 & 26.
	Ascend along S. side of ravine in spruce.
15.00	Ridge, bears NW. & S. E. descend
20.00	Leave timber, ascend.
39.90	Set a sandstone 14 x 10 x 4 ins. 10 ins. in the ground for 1/4 Sec. Cor. marked 1/4 on W. face, and raised a mound of stone 2 ft. base, 1 1/2 ft. high W. of Cor. Pits impracticable.
	Descend

Subdivision of T. 22. S. R. 3 W. continued.

Chains	
56.00	Ravine course S. E. ascend 500 ft. to
74.80	Cor. to secs 22. 23. 26 & 27.
	Land, rolling.
	Soil. Gravelly & Rocky 3rd rate.
	Timber. Spruce, scattering
	Mountainous land. 74.80 chains.
	From the cor. to Secs 14. 15. 22 & 23. which is
	a sandstone 6 x 12 x 10 ins. above ground
	marked & witnessed as described by the
	Surveyor General
	Thence
	S 89° 58' E. on a random line bet. secs 14 & 23.
40.00	Set temporary 1/4 Sec. Cor.
79.96	Intersect N. & S. line. at cor. to Secs 13. 14. 23
	& 24.
	thence S. on
	N 89° 58' W. on a true line bet. secs 14 & 23.
	Enter spruce. ascend
6.00	Leave timber.
18.00	Ridge. bears N. W. & S. E. 200 ft. above Sec. Cor.
	Ascend along head of gulch
25.00	Enter timber. spruce & aspen,
39.98	Set a sandstone 14 x 14 x 4 ins. 10 ins. in the
	ground, for 1/4 Sec. Cor. marked 1/4 on N. face, and
	raised a mound of stone 2 ft. base 1½ ft. high.
	N. of cor. Pits impracticable.
	A spruce 9 ins. in diam. bears S 15° E. 50 lks
	dist. marked 1/4 S. B. T.
	Leave timber.
47.00	Top of ridge. bears N. E. & S. W. descend gradually
54.00	Enter aspens. descend gradually
73.00	Ravine course N. ascend to
74.96	The cor. to Secs 14. 15. 22 & 23.
	Land. broken top of mountain.
	Soil. Gravelly & Rocky 3rd rate.
	Timber Spruce & Aspen. scattering
	Mountainous land 74.96 chains.

October 7th 1896.

Subdivision of T. 22. S. R. 3. W. Continued

Chains.	
	No. 01 W. bet. Secs. 14 & 15.
	Enter aspens. descend.
10.00	Bottom of hollow. course N.E. ascend.
18.00	Point of ridge. bears N.E. enter pines, descend,
40.00	Set a sandstone 18 x 8 x 6 ins. 12 ins. in the ground. for 1/4 Sec. Cor. marked 1/4 on N. face, from which
	A pine 14 ins. in diam. bears S. 3° 15' W. 1.0 lks dist. marked 1/4 S. B.T.
	A pine 12 ins. in diam. bears N. 20° 15' W. 18 lks. dist. marked 1/4 S. B.T.
42.50	Ravine. course N.W. stream 3 lks. wide, 1 ins deep. flows N.W. ascend, leave pines.
48.00	Enter pines. ridge. bears N. descend,
53.50	Gulch. course S.W. Leave pines. ascend 400 ft. to
80.00	Point of ridge. bears N.W. Set a sandstone 16 x 10 x 4 ins. 11 ins. in the ground for Cor. to Secs. 10. 11. 14 & 15. marked 4 notches on S. & 2 notches on E. edges, from which
	A pine 14 ins. in diam. bears N. 10° E. 27 lks. dist. marked T. 22. S. R. 3. W. S. 11. B.T.
	A spruce 7 ins. in diam. bears S. 88° E. 32 lks. dist. marked T. 22. S. R. 3. W. S. 14. B.T.
	A spruce 8 ins. in diam. bears S. 15° W. 30 lks. dist. marked T. 22 S. R. 3. W. S. 15. B.T.
	A spruce 14 ins. in diam. bears N. 10° W. 25 lks. dist. marked T. 22. S. R. 3. W. S. 10. B.T.
	Land. broken.
	Soil. Rocky & Shale.
	Timber. Pine. Aspen & spruce. scattering
	Mountainous Land. 80 chains.
	S. 89° 58' E. on a random line bet. secs. 11 & 14
40.00	Set temporary 1/4 Sec. Cor.
79.88	Intersect N. & S. line 14 lks S. of cor. to secs. 11. 12. 13 & 14.
	Thence I run
	S. 89° 56' W. on a true line bet. secs. 11 & 14.
	Ascend gradually in scattering pines & Cedar
6.90	Road, bears N. & S.

Subdivision of T. 22 S. R. 3 W. Continued

Chains	
12.00	Top of ridge 150 ft. above Sec. Cor. bears N. E. & S. Descend.
39.94	Set a sandstone 16×11×8 ins. 11 ins. in the ground for 1/4 Sec. Cor. marked 1/4 on N. face; and raised a mound of stone 2 ft. base, 1½ ft. high. W. of cor. Pits impracticable.
55.00	Ravine 500 ft. below Ridge. Course N.W. enter spruce. ascend rocky side of ravine about 500 ft. to
79.88	The cor. to secs 10. 11. 14 and 15.
	Land. broken.
	Soil. Rocky and Gravelly 4th rate.
	Timber. Spruce, pine and Cedar, scattering.
	Mountainous land 79.88 chains.
	Oct. 8. At this corner, I set off 6° 18' S. on the decl. arc; and observe the sun on the Meridian; the resulting lat. is 38°. 55' N.
	No. 01' W. bet. secs 10 and 11.
	Enter spruce and pine. descend 600 ft. to
20.50	Forks of Choke Cherry cañon, course W. from N.E. and S.E. creek 6 lks wide, 2 ins. deep flows W. leave spruce and pine. ascend in dense undergrowth.
38.50	Top of ridge 400 ft. high. bears N.E. and S.W. enter scattering spruce. descend.
40.00	Set a sandstone 14×10×7 ins. 10 ins. in the ground for 1/4 Sec. Cor. marked 1/4 on W. face; and raised a mound of stone 2 ft. base, 1½ ft. high. W. of Cor. Pits impracticable.
63.90	Ravine. course S.W. creek 2 lks. wide, 2 ins. deep flows S.W. leave spruce, ascend 400 ft. to
80.00	Set a limestone 16×8×6 ins. 11 ins. in the ground for cor. to secs 2. 3. 10 and 11. marked 5 notches on S. and 2 notches on E. edges; and raised a mound of stone 2 ft. base, 1½ ft. high. W. of cor. Pits impracticable.
	Land. broken.
	Soil. Rocky 4th rate.
	Timber. Spruce and pine, scattering dense bushes 57.50 chs.
	Mountainous land 80 chains.

Subdivision of T. 22 S. R. 3 W. Continued.

Chains	
	N 89° 56' E on a random line bet. secs 2 & 11.
40.00	Set temporary 1/4 Sec. Cor.
79.90	Intersect W. & S. line 5 lks. N. of cor. to secs. 1. 2. 11 & 12.
	Thence I run
	S 89° 58' W. on a true line bet. secs 2 & 11
	Enter Spruce & pine. descend 500 ft. to
11.10	Cañon, course S.W. stream 3 lks. wide. 2 ins deep. flows S.W. ascend, enter scattering cedars
30.00	Ridge, 400 ft. high. bears N.E. & S.W. descend,
35.00	Gilch. course S.W. ascend
39.95	Set a sandstone 15 x 8 x 5 ins. 10 ins. in the ground, for 1/4 Sec. Cor. marked 1/4 on W. face, and raised a mound of stone 2 ft. base, 1½ ft. high. W. of cor. Pits impracticable,
42.00	Top of ridge 150 ft. high. bears N.E. & S.W,
52.50	Gulch. course S.W. ascend,
62.00	Ridge, bears N.E. & S.W. descend 400 ft. to
74.00	Ravine. course S.W. ascend 150 ft. to
79.90	The cor. to secs 2. 3. 10 & 11.
	Land, broken,
	Soil, Gravelly & Rocky 3rd rate,
	Timber. Spruce, pine and cedar, scattering
	Mountainous land. 79.90 chains,

	N 0° 01' W. on a random line bet. secs 2 & 3,
40.00	Set temporary 1/4 Sec. Cor.
80.24	Intersect N. bdy. of Tp. 40 lks East of cor. to secs 2. 3. 34 & 35.
	Thence I run
	S 0° 18' E on a true line bet. secs 2 & 3.
	descend gradually,
9.00	Enter aspens.
11.00	Ascend gradually along W. side of ridge,
32.00	Top of ridge, bears N.E. & S.W. descend leave dense aspens, enter scattering aspen & dense undergrowth,
40.24	Set a sandstone 16 x 10 x 5 ins. 11 ins. in the ground for 1/4 Sec. Cor. marked 1/4 on W. face, and raised a mound of stone, 2 ft. base, 1½ ft. high. W. of Cor. Pits impracticable

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

Chains.	
80.24	The cor. to secs. 2. 3. 10 & 11.
	Land rolling top of Mountain.
	Soil Gravelly & Rocky 3rd rate.
	Timber, Aspen, dense undergrowth on 48.24 chains.
	Mountainous land 80.24 chains.
	October 8 - 1896
	From the cor. to secs. 33 & 34 on S. bdy. as hereinbefore described I run
	N. 0° 02' W. on a random line bet. secs. 33 & 34.
111.40	Set temporary 1/4 Sec. Cor.
151.40	Intersect, 20 lks W. of cor. to Secs. 27. 28. 33 & 34, which is a sandstone 10 x 9 x 5 ins. above ground marked and witnessed as described by the Surveyor General.
	thence I run
	S. 0° 02' W. on a true line bet. secs. 33 & 34.
	Enter dense undergrowth, ascend 100 ft. to
41.00	Top of ridge bears E. and W. descend 700 ft. to
24.00	South Fork of South Cedar Ridge Cañon.
	Course S. E. enter scattering Spruce & Cedars ascend.
40.00	A spruce tree 8 ins. in diam. for 1/4 Sec. Cor. marked 1/4 S. on W. face; raised a mound of stone 2 ft. base, 1 ft. high W. of cor. Pits impracticable. No bearing trees within limits.
76.00	Ridge bears N. W. & S. E. descend, leave spruce enter mahogany.
115.20	Ravine 750 ft. below ridge. course S. E. ascend
119.40	Road bears NW & S. E.
128.50	Ridge 300 ft. above ravine. bears NW & S. E. descend 300 ft. to
150.40	Gulch course N. E.
151.40	The cor. to Secs. 33 & 34.
	Land broken.
	Soil Gravelly & Rocky, 3rd rate.
	Timber, Spruce & Cedars. dense undergrowth on 151.40 chains.
	Mountainous land, 151.40 chains.

Subdivision of S. 22. T. R. 3. W. Continued

Chains	
	From the cor. to Secs. 27. 28. 33 & 34,
	I run
	East on a random line bet. Secs. 27 & 34
40.00	Set temporary 1/4 Sec. Cor.
80.06	Intersect N. & S. line at cor. to secs. 26. 27, 34 & 35,
	thence I run
	West on a true line bet. secs. 27 & 34.
0.3	Enter aspen & spruce timber and dense undergrowth descend,
0.50	Gulch course N. W. ascend 150 ft. to
10.00	Point of ridge bears N. descend,
20.60	Gulch course N. road, bears N. & S. ascend,
30.00	Point of ridge, 100 ft. high, bears N. descend.
40.03	Set a limestone 18×14×4 ins. 12 ins. in the ground for 1/4 Sec. Cor. marked 1/4 on N. face, from which
	A spruce 14 ins. in diam. bears N. 45° E. 18 lks. dist. marked 1/4 S. B. T.
	A spruce 9 ins. in diam. bears S. 50° E. 22 lks dist. marked 1/4 S. B. T.
57.00	Leave timber,
63.00	Enter aspens,
70.00	Leave aspens,
74.50	Enter aspens,
79.50	Leave aspens,
80.06	The cor. to Secs. 27. 28. 33 & 34.
	Land broken.
	Soil Gravelly & Rocky 3rd rate,
	Timber Aspen & Spruce, dense undergrowth in 80.06 chains
	Mountainous land 80.06 chains
	October 9. At the cor. to Secs. 32 & 33 on S. bdy. of Tp. I set off 6° 40' S on the decl. arc; and observe the sun on the meridian the resulting lat. is 38° 51' N.
	Thence I run
	N. 0° 03' W. on a random line bet. secs. 32 & 33
111.40	Set temporary 1/4 Sec. Cor.
151.36	Intersect the cor. to secs. 28. 29. 32 & 33. which

Subdivision of T. 22 S. R. 3 W. Continued

Chains	
	a sandstone 8x14x6 ins. above ground. marked & witnessed as described by the Surveyor General
	thence I run
	S0°.0.3' E, bet. secs 32 & 33. on a true line.
	Ascend in aspens along W. side of ravine.
20.00	Leave aspens.
30.50	Small rocky point bears W. 10 lks dist.
39.50	Road bears N.E. & S.W.
40.00	Set a limestone 14x10x4 ins. 10 ins. in the ground for 1/4 Sec. Cor. marked 1/4 on W. face; & raised a mound of stone 2 ft. base, 1½ ft. high. W. of cor. Pits impracticable. on bare hillside sloping W.
42.50	Top of divide bet. Juab & Sevier Valleys. bears E. & W. descend along W. slope of ridge. in scattering Spruce & Cedars.
144.60	Ravine, course S.E. 750 ft. below divide. ascend 130 ft. to
151.36	The cor. to Secs 32 & 33.
	Land broken top of mountain.
	Soil Rocky & Gravelly 4th rate.
	Timber Aspen Spruce & Cedars, scattering
	Mountainous land 151.36 chains.
	October 9-1896.
	From the cor. to Secs 15.16.21 & 22. which is a sandstone 10x15x4 ins. above ground marked & witnessed as described by the Surveyor General.
	thence I run
	N0°.02' W. on a true line bet. secs 15 & 16
	Ascend in dense undergrowth along W. slope of ridge.
40.00	Set a limestone 16x14x5 ins. 11 ins. in the ground for 1/4 Sec. Cor. marked 1/4 on W. face, and raised a mound of stone 2 ft. base, 1½ ft. high. W. of Cor. Pits impracticable.
50.00	Top of ridge 500 ft. above Sec. Cor. bears E. & W. leave brush. enter Spruce & Pine timber. descend 400 ft. to
80.00	Set a sandstone 14x10x6 ins. 10 ins. in the ground for cor. to Secs 9.10.15 & 16. marked

Subdivisions of T. 22 S. R. 3 W. Continued

Chains	
	4 notches on S. & 3 notches in E. edges, & from which
	A pine 20 ins. in diam. bears N. 10° 30' E. 26 lks. dist. marked T. 22 S. R. 3 W. S. 10. B.T.
	A pine 20 ins. in diam. bears S. 40° W. 16 lks. dist. marked T. 22 S. R. 3 W. S. 16. B.T.
	A spruce 24 ins. in diam. bears N. 10° 15' W. 25 lks. dist. marked T. 22 S. R. 3 W. S. 9. B.T.
	No other bearing trees available.
	Land, top of high mountain.
	Soil, Rocky 4th rate.
	Timber, Spruce & pine, dense undergrowth on 50 chains.
	Mountainous land 80. chains.
	S. 89° 30' E. on a random line bet. secs. 10 & 15.
20.00	Set temporary 1/4 Sec. Cor.
80.48	Intersect N. & S. line 28 lks. S. of cor. to secs. 10. 11. 14 & 15.
	Thence I run
	N. 89° 42' W. on a true line bet. secs. 10 & 15.
	Enter Spruce & pine timber, descend
2.00	Leave timber, enter dense undergrowth.
26.50	Ravine 400 ft. deep, course N.W. creek 3 lks. wide, 2 ins. deep, flows N.W. enter spruce & pines ascend
40.24	Set a sandstone 14 x 10 x 4 ins. 10 ins. in the ground for 1/4 Sec. Cor. marked 1/4 on N. face, from which
	A spruce 10 ins. in diam. bears S. 18° 45' E. 20 lks. dist. marked 1/4 S. 13 T.
	A spruce 9 ins. in diam. bears S. 80° W. 14 lks. dist. marked 1/4 S. 13 T.
47.75	Top of ridge, bears N.W. descend
54.00	Ravine 200 ft. deep, course N. ascend
74.00	Top of ridge, bears N. & S. descend to
80.48	The cor. to Secs. 9. 10. 15 & 16.
	Land, broken.
	Soil, Rocky 4th rate.
	Timber, Spruce & Pine, dense brush on 78.48 chains.
	Mountainous land 80.48 chains.

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

Chains	
	N. 0°.02' W. bet. secs. 9 & 10.
	Enter spruce & pine timber & dense undergrowth
	descend 600 ft. to
33.00	Bottom of Choke Cherry Cañon, course W.
	Creek 6 lns. wide, 4 ins. deep, flows W. leave
	timber, ascend.
40.00	Set a sandstone 18×10×4 ins. 12 ins. in
	the ground for 1/4 Sec. Cor. marked 1/4 on W.
	face; and raised a mound of stone 2 ft. base
	1½ ft. high. W. of Cor. Pits impracticable.
42.50	Top of ridge. 300 ft. above creek. bears S.W.
	descend.
57.00	Ravine 200 ft. below Ridge, course S.W.
	enter scattering cedars, ascend
80.00	Set a sandstone 18×10×6 ins. 12 ins. in the
	ground for cor. to secs. 3, 4, 9 & 10. marked
	3 notches on S. & 3 notches on E. edges, and
	raised a mound of stone 2 ft. base, 1½ ft.
	high. W. of Cor. Pits impracticable.
	Land broken,
	Soil Rocky & Gravelly 4th rate.
	Timber, Spruce, pine & cedar, dense brush
	on 80 chains,
	Mountainous land 80 chains.
	October 10. At this Cor. I set off 7° 03' E
	on the decl. arc; and at 12 M. l.m.t.
	observe the sun on the meridian the
	resulting lat. is 38° 56' N
	S. 89° 42' E. on a random line bet. secs. 3 & 10.
40.00	Set temporary 1/4 Sec. Cor.
80.02	Intersect N. & S. line 19 lks. S. of cor. to secs.
	2, 3, 10 & 11.
	thence I run
	N. 89° 50' W. on a true line bet. secs. 3 & 10
	Ascend 40 ft. in dense undergrowth,
1.80	Top of ridge, bears S. descend 150 ft. to
6.00	Ravine, course S. ascend 300 ft. to
24.00	Ridge, bears N. & S. descend 300 ft. to
32.00	Ravine, course S. ascend
40.01	Set a sandstone 16×14×6 ins. 11 ins. in the

Subdivisions of T. 22. S. R. 3. W. Continued

Chains

ground for 1/4 Sec. Cor. marked 1/4 on W. face, and raised a mound of stones 2 ft. base, 1½ ft. high. W. of Cor. Pits impracticable.

56.00 Top of ridge, bears N. & S. descend 800 ft. to

72.66 Ravine, course S.W. ascend 300 ft. to

80.02 The cor. to Secs 3. 4. 9 & 10.

Land, broken.

Soil - Rocky & Gravelly of 4th rate.

No timber, dense undergrowth on 80.02 chs.

Mountainous land 80.02 chains.

N 0°.02' W. on a random line bet. secs 3 & 4.

40.00 Set temporary 1/4 Sec. Cor.

80.20 Intersect N. bdy. of Tp. 40 lks. E. of cor. to Secs 3. 4. 33 & 34.

Thence I run

S 0°.15' E. on a true line bet. secs 3 & 4.

Enter aspens and deadwood, ascend 100 ft. to

6.00 Top of ridge, bears N.W. & S.E. leave aspens enter scattering spruce & cedars, descend,

40.20 Set a sandstone 16 x 10 x 6 ins. 11 ins. in the ground for 1/4 Sec. Cor. marked 1/4 on W. face, & raised a mound of stone 2 ft. base, 1½ ft. high. W. of cor. Pits impracticable. no small Gulch. 300 ft. below top of ridge, descend along east slope of ridge.

57.00 Point of ridge, bears S.E. steeper descent to

80.20 The cor. to Secs 3. 4. 9 & 10.

Land, rolling top of mountain.

Soil. Gravelly & Rocky 3rd rate.

Timber. Aspen. Spruce & cedars, scattering

Mountainous land 80.20 chains.

October 10 - 1896.

From the cor. to Secs 16. 17. 20 & 21, which is a sandstone 6 x 10 x 8 ins. above ground marked & witnessed as described by the Surveyor General.

Thence I run

N 0°.05' W. bet. Secs 16 & 17.

Enter dense undergrowth, ascend

7.00 Top of ridge, bears N.E. & S.W. enter spruce

Subdivision of S. 22. S. R. 3. W. Continued.

Chains.	
	and pine timber descend 500 ft. to
33.80	Fork of Chalk Creek 4 lks wide 3 ins. deep, flows
	N.W. ascend in scattering spruce and cedars
40.00	Set a limestone 14 x 8 x 6 ins. 10 ins. in the
	ground for 1/4 sec. Cor. marked 1/4 on W. face,
	and raised a mound of stone 2 ft. base,
	1½ ft. high. W. of cor. Pits impracticable.
63.00	Top of ridge 800 ft. above Creek. bears N.E.
	and S.W. descend.
80.00	Set a limestone 15 x 9 x 5 ins. 10 ins. in the
	ground for cor. to Secs. 8. 9. 16 and 17. marked
	4 notches on S. and E. edges, and raised a
	mound of stone 2 ft. base, 1½ ft. high. W. of
	Cor. Pits impracticable.
	Land. broken,
	Soil. Rocky 4th rate.
	Timber. Spruce Pine and Cedars. dense
	Undergrowth on 80. chains.
	Mountainous land 80 chains.
	S 89° 41' E. on a random line bet. secs 9 & 16.
40.00	Set temporary 1/4 sec. Cor.
80.56	Intersect W. and S. line 26 lks. S. of cor. to
	secs 9. 10. 15 and 16.
	thence S. pun
	N 89° 32' W. on a true line bet. secs 9 & 16.
	Enter Spruce and pine timber and dense brush. descend
5.00	Gulch. course N. ascend.
13.00	Ridge. bears N. descend.
22.00	Gulch 50 ft. deep. course N. ascend.
29.00	Ridge. bears N. descend
37.50	Ravine 150 ft. deep. course N. ascend.
40.18	Set a sandstone 16 x 8 x 6 ins. 11 ins. in the
	ground for 1/4 sec. cor. marked 1/4 on N. face
	from which
	A spruce 4 ins. in diam. bears S. 5° W. 20
	lks. dist. marked 1/4 S. B. T.
	An aspen 9 ins. in diam. bears N 25° W.
	12 lks. dist. marked 1/4 S. B. T.
50.50	Level timber.
60.00	Ridge. bears N.E. and S.W. descend to

Subdivision of T22 S. R3 W. Continued

Chains	
80.36	The cor. to Secs 8.9.16 and 17.
	Land, broken.
	Soil. Rocky. 4th rate.
	Timber, Spruce and Pine, scattering, dense brush on 80-36
	Mountainous land. 80-36 chains.
	N 0°.03' W. bet. secs 8 and 9.
	Descend in dense undergrowth
10.00	Enter Spruce and aspen.
32.50	Choke Cherry Creek 7 lks wide 3 ins. deep flows W. 800 ft. below Sec. Cor. leave timber enter scattering spruce and Cedars, ascend
40.00	Set a limestone 18×10×6 ins. 12 ins. in the ground for 1/4 Sec. Cor. marked 1/4 on W. face, and raised a mound of stone 2 ft. base, 1½ ft. high. W. of cor. Pits impracticable,
80.00	Set a Quartzite 18×12×6 ins. 12 ins. in the ground for cor. to secs 4.5.8 and 9. marked 5 notches on S. and 4 notches on E. edges, and raised a mound of stone 2 ft. base, 1½ ft. high. W. of cor. Pits impracticable.
	Land, broken.
	Soil. Rocky. 4th rate.
	Timber, Spruce, Pine and Cedars, scattering, brush on 80 chs.
	Mountainous land 80 chains.
	S 89°.32' E. on a random line bet. secs 4 and 9.
40.00	Set temporary 1/4 Sec. Cor.
80.40	Intersect N and S. line 19 lks. S. of cor. to secs 3.4.9 and 10
	thence I run
	N 89°.40' W. on a true line bet. secs 4 and 9.
	Enter dense undergrowth and scattering aspens ascend
5.00	Leave aspens.
12.50	Top of ridge. 150 ft. above Sec. Cor. bears N and S. enter Spruce and Cedars, descend, 300 ft. to
25.75	Ravine, course S. leave spruce, ascend,
40.20	Set a Quartzite 16×12×5 ins. 11 ins. in the ground, for 1/4 Sec. Cor. marked 1/4 on N. face,

Subdivision of T. 22. S. R. 3 W. Continued.

Chains.	
	and raised a mound of stone 2 ft. base, 1½ ft. high. N. of cor. Pits impracticable.
57.00	Top of ridge, bears N. & S. descend to
80.40	The cor. to secs 4. 5. 8 & 9.
	Land, broken.
	Soil, Rocky, 4th rate.
	Timber, Spruce, Aspen & Cedars, scattering & dense brush on 80.40 ch.
	Mountainous land 80.40 chains.
	No. 03' W. on a random line bet. secs 4 & 5.
40.00	Set temporary ¼ Sec. Cor.
80.04	Intersect N. bdy of Tp. 3 Lks. W. of cor. to Secs 4. 5. 32 & 33.
	Thence I run
	So. 02' E. on a true line bet. secs 4 & 5.
	Enter dense undergrowth, descend 200 ft. to
11.70	Ravine, course S.W., enter scattering spruce
	Ascend.
35.00	Point of ridge 40 ft. high, bears N. descend
40.04	Set a limestone 20×10×6 ins. 15 ins. in the ground for ¼ Sec. Cor. marked ¼ on W. face; and raised a mound of stone 2 ft. base 1½ ft. high, N. of Cor. Pits impracticable.
48.00	Ravine, course N. ascend
67.00	Top of ridge, bears E. & W. descend to
80.04	The cor. to secs 4. 5. 8 & 9.
	Land, broken.
	Soil, Rocky, 4th rate.
	Timber, Spruce, scattering, dense brush on 80.04 chs.
	Mountainous land 80.04 chains.
	October 11-1896.
	From the cor. to Secs 31 & 32 on S. bdy. of Tp. as hereinbefore described I run
	No. 03' W. bet. Secs 31 & 32.
	Ascend along W. side of Gulch.
5.40	Enter Aspens,
11.40	Gulch course S.E.
16.40	Leave aspens.
27.00	Top of ridge 150 ft. above Sec. Cor. bears N.W. & S.E. descend.
36.40	Gulch course S.E. ascend.

Subdivision of T. 22 S. R. 3 W. Continued

Chains	
52.40	Top of ridge. bears N.W. & S.E. ascend along E. side of ravine.
76.40	Cross ravine. course S.E. ascend.
111.40	Top of ridge. 800 ft. above Sec. Cor. bears N.W. & S.E. Set a sandstone 16×12×8 ins. 11 ins. in the ground for 1/4 Sec. Cor. marked 1/4 on N. face, and raised a mound of stone 2 ft. base, 1½ ft. high. N. of Cor. Pits impracticable.
	descend.
116.35	Road. bears N.W. & S.E.
131.40	Head of Gulch. course E. ascend, 150 ft. to
139.50	Top of ridge. bears E. & W.
142.90	Enter Spruce & Pine timber.
146.25	Head of Cañon. course N.E. road. bears N.E. & S.W. leave timber, ascend gradually to
151.40	Set a sandstone 30×8×6 ins. 23 ins. in the ground for cor. to Secs 29. 30. 31. & 32. marked 1 notch on S. & 5 notches on E. edges; and raised a mound of stone 2 ft. base, 1½ ft. high. N. of cor. Pits impracticable.
	Land. broken.
	Soil. Gravelly & Rocky, 3rd rate.
	Timber. Aspen. Spruce & Pine, scattering
	Mountainous land. 151.40 chains.
	East on a random line bet. Secs 29 & 32.
40.00	Set temporary 1/4 Sec Cor.
79.40	Intersect N. & S. line 7 lks S. of cor. to Secs 28. 29. 31. & 32.
	thence I run
	S 89° 57' W. on a true line bet. secs 29 & 32.
	Enter Aspens. ascend 300 ft. to
10.50	Point of ridge. bears N.E. leave aspen enter Spruce. descend 600 ft. to
23.40	Ravine. course N.E. Creek 3 lks wide 2 ins. deep, flows N.E. leave timber enter scattering aspens. ascend.
39.95	Set a sandstone 16×8×6 ins. 11 ins. in the ground for 1/4 Sec. Cor. marked 1/4 on N. face, & raised a mound of stone 2 ft. base, 1½ ft. high. N. of Cor. Pits impracticable.

Subdivision of T. 22. S. R. 3. W. Continued.

Chains	
77.40	Top of ridge 800 ft. above ravine, bears N.E. & S.W. leave aspens, enter spruce & pine timber, descend 500 ft. to
77.50	Ravine, course N.E. Road, bears N.E. & S. Marked
79.90	The cor. to secs 29. 30. 31 & 32.
	Land, broken.
	Soil, Gravelly & Rocky, 3rd rate.
	Timber, Spruce, Pine & Aspen scattering
	Mountainous land 79.90 chains.
	October 12 – At this cor. I set off 7° 49' S on the decl. arc; and at 12 M. I run to observe the sun on the meridian; the resulting lat. is 38° 55' N
	West on a random line bet. secs 30 & 31.
40.00	Set temporary 1/4 Sec. Cor.
80.04	Intersect W. bdy. of Tp. at cor. to secs 25. 30. 31 & 36. as hereinbefore described. Thence I run East on a true line bet. secs 30 & 31.
	Descend in scattering aspens.
12.50	Head of ravine, course S. ascend.
13.50	Point of ridge, bears S. descend.
25.90	Ravine, course S.W. ascend.
37.00	Leave Aspens.
40.04	Set a trachyte 16 x 8 x 5 ins. 11 ins. in the ground for 1/4 Sec. Cor. marked 1/4 on W. face, & raised a mound of stone 2 ft. base, 1½ ft. high. N. of cor. Pits impracticable.
47.00	A row of pines, bearing N. & S.
47.50	Top of ridge 800 ft. above Sec. Cor. bears N. & S. descend 800 ft. to
80.04	The cor. to secs 29. 30. 31 & 32.
	Land, broken.
	Soil, Gravelly & Rocky 3rd rate.
	Timber, scattering aspens
	Mountainous land 80.04 chains.
	No° 0.3' W. on a random line bet. secs 29 & 30.
40.00	Set temporary 1/4 Sec. Cor.
80.10	Intersect 4 links W. of cor. to secs 19. 20. 29 & 30 which is a sandstone 8 x 12 x 8 ins. above ground

Subdivision of T22 S. R. 3 W. Continued

Chains	
	marked and witnessed as described by the [illegible]
	thence I run
	So. 7 W. on a true line bet. secs 29 & 30.
	Ascend in scattering spruce
2.10	Leave spruce, enter aspens.
30.00	Point of ridge, bears E. leave aspens. descend.
40.10	Set a sandstone 16×12×6 ins. 11 ins. in the ground for ¼ sec. cor. marked ¼ on W. face; and raised a mound of stone 2 ft. base, 1½ ft. high. W. of cor. Pits impracticable.
44.00	Gulch 150 ft. deep, course E. ascend to
56.00	Top of ridge, bears E. descend 300 ft. to
63.35	Gulch, course E. ascend 300 ft. to
74.40	Point of ridge, bears E. descend 100 ft. to
80.10	The cor. to secs 29. 30. 31 & 32.
	Land, broken.
	Soil, Gravelly & Rocky, 3rd rate.
	Timber, Aspen & spruce, scattering
	Mountainous land 80.10 chains.
	October 12 - 1896.
	From the cor to secs 19. 20. 29 & 30. as before described I run
	No. 08 W. bet. secs 19 & 20.
	Enter scattering spruce & aspens, and dense under-growth, descend along W. side of Cañon
40.00	Set a sandstone 14×8×6 ins. 10 ins. in the ground for ¼ sec. Cor. marked ¼ on W. face; and raised a mound of stone 2 ft. base, 1½ ft. high. W. of Cor. Pits impracticable.
41.30	Gulch, course E. ascend
50.00	Point of ridge, bears E. descend
61.55	Gulch, course E. ascend
66.00	Point of ridge 80 ft. high. bears E. descend
72.00	Gulch, course E. ascend
75.50	Ridge, bears E. & W. descend
80.30	Set a sandstone 18×16×6 ins. 12 ins. in the ground, for cor. to secs 17. 18. 19 & 20. marked 3 notches on S. & 3 notches on E. edges; and raised a mound of stone 2 ft. base, 1½ ft. high. W. of Cor. Pits impracticable.
	Land, broken.
	Soil, Gravelly & Rocky 3rd rate.

Subdivision of T. 22 S. R. 3 W. Continued.

Chains.	
	Timber, Aspen & Spruce, dense undergrowth on 80. ch. Mountainous land 80. chains.
	East on a random line bet. secs 17 & 20.
40.00	Set temporary ¼ Sec. Cor.
79.90	Intersect N. & S. line 10 lks. S. of cor to secs 16. 17. 20 & 20 & 21.
	thence I run
	S 89° 56' W. on a true line bet. secs 17 & 20.
	Enter Spruce & pines. and dense undergrowth. descend 200 ft.
27.00	Chalk Creek Cañon, Course N.E. Creek 5 lks. wide 2 ins. deep. flows N.E. enter scattering spruce & aspens. ascend
39.95	Set a sandstone 16 x 14 x 8 ins. 11 ins. in the ground, for ¼ Sec. Cor. marked ¼ on N. face, and raised a mound of stone 2 ft. base, 1½ ft. high, N. of cor. Pits impracticable.
72.00	Top of ridge, 500 ft. above Creek, bears N.E. & W. descend to
79.90	The cor. to secs 17, 18, 19 & 20.
	Land. broken.
	Soil. Rocky. & Arable.
	Timber. Spruce. Pine & aspen. dense undergrowth on 79.90 chains.
	Mountainous land 79.90 chains.
	West on a random line bet. secs 18 & 19.
40.00	Set temporary ¼ Sec. Cor.
80.12	Intersect N.W. bdy. of Tp. 10 lks. N. of cor. to secs 13. 18. 19 & 24. which is a Quartzite 10 x 14 x 10 ins. above ground, marked and witnessed as described by the Surveyor General.
	thence I run
	S 89° 56' E. on a true line bet. secs 18 & 19.
	Ascend 250 ft.
25.00	Top of ridge, bears N. & S. enter dense undergrowth & scattering aspens & spruce. descend
40.12	Set a limestone 18 x 14 x 7 ins. 12 ins. in the ground for ¼ Sec. Cor. marked ¼ on N. face, and raised a mound of stone 2 ft. base,

Subdivision of T. 22. S. R. 3. W. Continued

Chains	
	1½ ft. high W. of Cor. Pits impracticable.
80.12	The Cor. to secs 17. 18. 19 & 20.
	Land. broken.
	Soil. Rocky & Gravelly 4th rate.
	Timber. Aspen & Spruce, dense undergrowth on 80.12 chains.
	Mountainous land 80.12 chains.
	October 13 - At this corner I set off 8°.11' S. on the decl. arc; and at 12 M. l. m. t. observe the sun on the meridian; the resulting lat. is 38°.54'
	N 0°.03' W. bet. secs 17 & 18.
	Descend in scattering aspens and spruce & dense undergrowth
13.50	Head of gulch. Course N.E. ascend
37.50	Point of ridge, bears E. descend
40.00	Set a Quartzite 14×8×6 ins. 10 ins. in the ground for ¼ Sec. Cor. marked ¼ on W. face; and raised a mound of stone 2 ft. base, 1½ ft. high. W. of Cor. Pits impracticable.
46.70	Head of gulch. course E. ascend.
52.50	Top of ridge, bears N.E. & S.W. descend 200 ft. to
65.50	Ravine. course N.E. ascend.
80.00	Set a limestone 14×8×6 ins. 10 ins. in the ground for Cor. to secs 7. 8. 17 & 18. marked 4 notches on S. and 5 notches on E. edges; and raised a mound of stone 2 ft. base, 1½ ft. high. W. of cor. Pits impracticable.
	Land. broken.
	Soil. Rocky 4th rate.
	Timber. Scattering spruce & aspen, dense undergrowth on 80. chains.
	Mountainous land. 80. chains.
	N 89°.56' E. on a random line bet. secs 8 & 17.
40.00	Set temporary ¼ Sec. Cor.
79.88	Intersect N & S. line 9 lks S. of cor. to secs 8. 9. 16 & 17.
	thence I run
	S 89°.52' W. on a true line bet. secs 8 & 17.

Subdivisions of T. 22 S. R. 3 W. Continued.

Chains.	
	Enter dense undergrowth, descend 750 ft. to
28.00	Chalk Creek Cañon, course N. Creek 6 lks wide
	3 ins. deep, flows N. ascend in spruce timber.
39.94	Set a limestone 15×12×6 ins. 10 ins. in the
	ground for ¼ Sec. Cor. marked ¼ on N. face;
	and raised a mound of stone 2 ft. base, 1½ ft.
	high. N. of Cor. Pits impracticable.
55.00	Top of ridge 750 ft. above Creek, bears S. E.
	Ascend along N. side of ravine to
60.00	Leave timber.
79.88	The Cor. to secs 7. 8. 17 & 18.
	Land, broken.
	Soil, Rocky, 4th rate.
	Timber, Spruce, dense undergrowth on
	79.88 chains.
	Mountainous land 79.88 chains.
	October 13 - 1896.
	N 89° 56' W. on a random line bet. secs 7 & 18.
40.00	Set temporary ¼ Sec. Cor.
80.10	Intersect W. bdy. of Tp. 14 lks. S. of cor. to
	secs 7. 12. 13 & 18. which is a Quartzite 6×12×
	8 ins. above ground, marked & witnessed as
	described by the Surveyor General
	thence I run
	S 89° 50' E. on a true line bet. secs 7 & 18.
	Enter dense undergrowth, ascend 500 ft. to
31.00	Top of ridge, bears N & S. descend.
40.10	Set a limestone 18×14×10 ins. 12 ins. in the
	ground for ¼ Sec. Cor. marked ¼ on N. face;
	and raised a mound of stone 2 ft. base, 1½ ft.
	high. N. of Cor. Pits impracticable.
80.10	The Cor. to secs 7. 8. 17 & 18.
	Land, broken.
	Soil, Rocky, 4th rate.
	No timber, dense undergrowth on 80.10 chs.
	Mountainous land 80.10 chains.
	N 0° 03' W. bet. secs 7 & 8.
	Enter dense undergrowth, ascend 500 ft. to
14.70	Top of ridge, bears N. E. thence S. E. descend
	in spruce & Pine timber.

Subdivision of T. 22 S. R. 3 W. Continued

Chains	
25.00	Ravine. Course N.E. leave timber, ascend
40.00	Top of ascent; Set a Quartzite 16×14×12 ins. 11 ins. in the ground for 1/4 Sec. Cor. marked 1/4 on W. face; and raised a mound of stone 2 ft. base, 1 1/2 ft. high. W. of Cor. Pits impracticable. Descend to
71.50	Ravine, course N.E. ascend to
80.00	Set a Quartzite 18×10×6 ins. 12 ins. in the ground for Cor. to Secs 5.6.7 & 8. marked 5 [illegible] on S & E. edges; and raised a mound of stone 2 ft. base, 1 1/2 ft. high W. of Cor. Pits impracticable. Land broken. Soil Rocky, 4th rate. Timber. Spruce, dense undergrowth on 80 chains. Mountainous land 80 chains.
	N 89°.52' E. on a random line bet. secs 5 & 8.
40.00	Set temporary 1/4 Sec. Cor.
79.92	Intersect N. & S. line 5 lks S. of cor. to secs 4.5.8 & 9. Thence I run S 89°.50' W. on a true line bet. secs 5 & 8. Descend in dense undergrowth & scattering spruce
39.96	Set a Quartzite 18×10×6 ins. 12 ins. in the ground for 1/4 Sec. Cor. marked 1/4 on N. face; and raised a mound of stone 2 ft. base, 1 1/2 ft. high. N. of Cor. Pits impracticable.
43.50	Chalk Creek Cañon 600 ft. below Sec. Cor. course N.W.; Creek 10 lks wide, 3 ins. deep. flows N.W. leave Spruce, ascend.
73.50	Gulch. course N.E. ascend to
79.92	The Cor. to Secs 5.6.7 & 8. Land broken. Soil Rocky, 4th rate. Timber. Spruce dense undergrowth on 79.92 chs. Mountainous land 79.92 chains. October 14 – At this cor. I set off 8°.33' S. on the decl. arc; and observe the sun on the meridian. the resulting lat. is 38°.56'.

Subdivision of S. 22. S. R. 3. W. Continued.

Chains	
	S 89° 50' W. on a random line bet. Secs 6 & 7.
40.00	Set temporary 1/4 Sec. Cor.
80.18	Intersect W. bdy. of Tp. 5 lks. S. of Cor. to Secs 1. 6. 7 & 12. which is a Quartzite 10x13x7 ins. above ground, marked and witnessed as described by the Surveyor General.
	Thence S. 1 mi.
	S 89° 48' E. on a true line bet. Secs 6 & 7.
	Descend in dense undergrowth and scattering spruce.
18.08	Karma course N.E. Creek 3 lks. wide, flows N.E. ascend 300 ft. to
37.60	Top of ridge, bears N.E. and S.W. leave spruce. descend.
40.18	Set a Quartzite 16x10x5 ins. 11 ins. in the ground for 1/4 Sec. Cor. marked 1/4 on S.W. face; and raised a mound of stone 2 ft. base, 1½ ft. high. N. of Cor. Pits impracticable.
80.18	The Cor. to Secs 5. 6. 7 & 18.
	Land. broken.
	Soil. Rocky, 4th rate.
	Timber. Spruce. dense undergrowth on 80.18 chains.
	Mountainous land 80.18. chains.

	N 0° 03' W. on a random line bet. Secs 5 & 6.
40.00	Set temporary 1/4 Sec. Cor.
80.30	Intersect N. bdy. of Tp. 5 lks. E. of cor. to Secs 5. 6. 31 & 32.
	Thence 1 mi.
	N 0° 04' E. on a true line bet. Secs 5 & 6.
	Enter dense undergrowth & scattering cedar descend 400 ft. to
30.50	Chalk Creek Canon. course N.W. leave cedars. enter scattering spruce.
33.20	Creek 20 lks. wide 3 ins. deep. flows N.W.
34.00	Ascend rocky ledges.
40.30	Set a Quartzite 20x16x4 ins. 15 ins. in the ground for 1/4 Sec. Cor. marked 1/4 on N. face; and raised a mound of stone 2 ft. base 1½ ft. high. N. of Cor. Pits impracticable.

Subdivision of T. 22 S. R. 3 W. Continued

Chains.	
59.00	Pomp of rocky ridge, bears E. descend.
80.30	The cor. to Secs 5. 6. 7 & 8.
	Land. broken
	Soil. Rocky 4th rate.
	Timber. Cedar & Spruce, dense undergrowth on 80.30 chains.
	Mountainous land. 80.30 chains.
	October 14th 1896.

General Description.

This township is all in high mountains, on divide between Juab and Sevier Valleys at an elevation of 8000 ft. to 9000 ft. and is covered with a luxuriant growth of grasses making good grazing during the summer.

There is no mineral found in the township. The township is well watered by spring & streams, the principal of which is Chalk Creek running northerly through the west part of the township emptying in Juab Valley.

There are no settlers and no land under cultivation in the township as surveyed by me. There is considerable spruce & pine timber of immerced value.

John T. Breckon
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 arking the lines and corners described in the foregoing field notes of the survey of _____

_____

owing the respective capacities in which they acted:

_____, *Chainman.*

_____, *Chainman.*

_____, *Moundman.*

_____, *Moundman.*

_____, *Axman.*

_____, *Axman.*

_____, *Flagman.*

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted _____

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

_____

_____

_____ of the _____ base d _____ 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 _____

_____, *Chainman.*

_____, *Chainman.*

_____, *Moundman.*

_____, *Moundman.*

_____, *Axman.*

_____, *Axman.*

_____, *Flagman.*

_____

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

SEAL

_____

_____

Final Oath of United States Deputy Surveyor.

I, ..., United States Deputy Surveyor, solemnly swear that, in pursuance of a contract received from ..... United States Surveyor General for ....., bearing date of ..... 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 ..... base and ..... 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 March 27th, 1897

The foregoing field notes of the survey of the Subdivisions of Township 22 South Range 3 West of the Salt Lake Base & Meridian Utah

executed by John F. Breckon under his contract No. 205, dated January 4th, 1896, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

George W. Snow
United States Surveyor General.

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

.....
United States Surveyor General.

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BOOK A-248

K.T.B.

FIELD NOTES

OF THE SURVEY OF

Subdivision of T22 S. R2½ W

Of the Salt Lake Base and Meridian,

State of Utah

AS SURVEYED BY

John T. Breckon, United States Deputy Surveyor,

Under his Contract No. 205, dated January 4, 1896

Survey commenced October 17, 1896

Survey completed October 24, 1896

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Subs. high 55-63-42 ✓
65-82 ✓
Closings —

BOOK A-248

Names and Duties of Assistants.

Joshua Gardner Chainman.

Chris. Sorensen Chainman.

Chas. Thomson Axeman

A. E. Parry Axeman

H. E. Van Alstyn Axeman

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BOOK A-248

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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 le
chain upon 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
measuring, to the best of our skill and ability, and in accordance with instructions given us, in the surv
.....

..... *, Chainm*

..... *, Chainm*

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

SEAL

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

..... *, Moundma*

..... *, Moundma*

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

SEAL

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

..... *, Axma*

..... *, Axma*

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

SEAL

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

..... *, Flagma*

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

SEAL

Subdivision of T. 22 S. R. 2½ W.

Chains.	
	Survey commenced October 17-1896. and executed with a Gurley mountain transit with solar attachment.
	I begin at the cor. to secs 1.2.35 & 36. on the S. bdy. of the township as hereinbefore described, thence I run
	No°01' W. bet. secs 35 & 36.
	Ascend in scattering cedars & pines.
9.00	Top of ridge, bears NW. & S.E. descend
15.00	Gulch 100 ft. deep, course S.E. ascend
35.00	Top of ridge, bears NW & S.E. descend,
40.00	Set a limestone 16×12×8 ins. 11 ins. in the ground for ¼ Sec. Cor. marked ¼ on W. face; and raised a mound of stone 2 ft. base, 1½ ft. high. W. of Cor. Pits impracticable.
48.00	Ravine 400 ft. deep, course S.E. ascend, top of ridge bears NW & S.E.
80.00	Set a sandstone 18×14×12 ins. 12 ins. in the ground for cor. to secs 25.26.35 & 36, marked 1 notch on S. & E. edges; from which A pine 12 ins. in diam. bears N46°10' E 69 lks. dist. marked T.22.S. R.2½ W. S.25. B.T. A pine 12 ins. in diam. bears S52° E. 67 lks dist. marked T.22.S. R.2½ W. S.36. B.T. A pine 24 ins. in diam. bears S39° W 80 lks dist. marked T.22.S. R.2½ W. S.35. B.T. A pine 8 ins. in diam. bears N58° W 25 lks dist. marked T.22.S. R.2½ W. S.26. B.T. Land, broken. Soil, Gravelly & Rocky, 4th rate. Timber, Cedar & pine, scattering. Mountainous Cond. 80. chains.
	East on a random line bet. Secs 25 & 36.
40.00	Set temporary ¼ Sec. Cor.
80.00	Intersect E. bdy. of Tp. at cor. to secs 25.30.31 & 36. as hereinbefore described.
	thence I run
	West on a true line bet. secs 25 & 36
	Enter scattering cedars & pines.
1.00	Descend 300 ft. to
26.00	Head of Ravine, course I ascend

Subdivision of T. 22 S. R. 2½ W. Continued.

Chains	
32.00	Ridge 150 ft. high. bears S. descend
37.00	Head of ravine. course S. ascend
40.00	Set a limestone 18×12×6 ins. 12 ins. in the ground for ¼ Sec. Cor. marked ¼ on N. face; and raised a mound of stone 2 ft. base, 1½ ft. high. W. of Cor. Pits impracticable.
45.00	Ridge. bears S. descend 400 ft. to
62.00	Head of ravine. course S.E. ascend 500 ft. to
80.00	The cor. to secs 25. 26. 35 & 36.
	Land. broken top of mountain.
	Soil, Rocky, 4th rate.
	Timber. Cedar & pine. scattering
	Mountainous land 80 chains.
	October 17. At this cor. I set off 9°.39' S. on the decl. arc; and at 12 m. l. m. t. observe the sun on the meridian; the resulting lat. is 38°.52' N.
	No°.01' W. bet. secs 25 & 26.
	Enter scattering cedars & pines. ascend along top of ridge.
3.00	Descend 200 ft. to
12.40	Head of ravine. course S.E. ascend 300 ft. to
25.00	Top of ridge. bears E & W. descend rocky ledges.
40.00	Set a limestone 16×10×4 ins. 11 ins. in the ground for ¼ Sec. Cor. marked ¼ on W. face; and raised a mound of stone 2 ft. base, 1½ ft. high. W. of cor. Pits impracticable.
60.00	South Cedar Ridge Cañon. 1000 ft. below top of ridge. course E. creek 5 lks wide. 2 ins. deep. flows E.
60.50	Road, bears E. & W. ascend rocky ledges.
80.00	Set a limestone 18×14×6 ins. 12 ins. in the ground for cor. to secs 23. 24. 25 & 26. marked 2 notches on S. & 1 notch on E. edges; and raised a mound of stone 2 ft. base, 1½ ft. high. W. of Cor. Pits impracticable.
	Land, broken.
	Soil. Rocky 4th rate.
	Timber. Cedar & pine. scattering
	Mountainous land. 80 chains.

Subdivision of T. 22. S. R. 2½ W. Continued.

Chains	
	East on a random line bet. secs 24 & 25.
40.00	Set temporary ¼ Sec. Cor.
80.02	Intersect E. bdy. of Tp. 5 lks N. of cor. to secs 19. 24. 25 & 30. as hereinbefore described thence I run
	N 89°. 58' W. on a true line bet. secs 24 & 25. Enter scattering cedars & pines. descend over rocky ledges along N. slope of Cañon
40.01	Set a limestone 16×12×8 ins. 11 ins. in the ground, for ¼ Sec. Cor. marked ¼ on N. face; and raised a mound of stone, 2 ft. base, 1½ ft. high. N. of cor. Pits impracticable
42.60	Rocky gulch. course S.E. ascend
58.00	Rocky point 200 ft. high. bears S.E. descend
67.50	Rocky gulch. course S.E. ascend to
80.02	The cor. to Secs 23. 24. 25 & 26.
	Land. broken.
	Soil. Rocky 4th rate.
	Timber. Cedar & pine. scattering
	Mountainous land 80.02 chains.
	October 17-1896.
	N 0°. 01' W. bet. secs 23 & 24.
	Ascend rocky ledges along W. slope of gulch. in scattering Cedars & pines.
9.50	Cross gulch. course S 30° E.
10.00	Ascend E. slope of gulch.
35.00	Head of gulch. course S.W. ascend
40.00	Set a limestone 18×12×5 ins. 12 ins. in the ground for ¼ Sec. Cor. marked ¼ on W. face, and raised a mound of stone 2 ft. base, 1½ ft. high. W. of cor. Pits impracticable.
43.00	Top of ridge. bears E & W. descend.
68.00	Strawberry Cañon. course S.E. ascend rocky ledges.
80.00	Set a white sandstone 20×14×6 ins. 15 ins. in the ground for cor. to Secs 13. 14. 23 & 24. marked 3 notches on S. & 1 notch on E. edges; and raised a mound of stone 2 ft. base. 1½ ft. high. W. of cor. Pits impracticable.
	Land. broken.
	Soil. Rocky. 4th rate.

Subdivision of T. 22 S. R. 24 W. Continued.

Chains	
	Timber. Cedars & pines. scattering
	Mountainous land. 80. chains.
	S 89° 58' E. on a random line bet. Secs 13 & 24.
40.00	Set temporary 1/4 Sec. Cor.
80.04	Intersect N. & S. line 5 lks N. of Cor. to Secs 13. 18. 19 & 24. as hereinbefore described.
	thence I run
	N 89° 56' W. on a true line bet. Secs 13 & 24.
	Enter scattering cedars & pines along N. side of cañon over rocky ledges.
40.02	Set a sandstone 18x16x12 ins. 12 ins. in the ground for 1/4 Sec. Cor. marked 1/4 on N. face; and raised a mound of stone 2 ft. base. 1½ ft. high. N. of Cor. Pits impracticable.
55.00	Rocky ridge. bears S. descend
72.00	Rocky gulch. 200 ft. deep. course S. E. ascend
80.04	Lie cor. to Secs 13. 14. 23 & 24.
	Land. broken.
	Soil. Rocky, 4th rate.
	Timber. Cedars & pines. scattering
	Mountainous land. 80.04 chains.
	October 18. At this cor. I set off 10° 01' S. on the decl. arc; and at 12. m. l. m. t. observing the sun on the meridian; the resulting lat. is 38° 53' N.
	N 0° 01' W. bet. Secs 13 & 14.
	Enter scattering cedars & pines. ascend rocky ledges.
10.00	Rocky ridge. bears E. descend.
15.00	Gulch. 150 ft. deep. course S. E. ascend.
19.00	Rocky point. bears W. descend.
21.00	Gulch. course S. W. thence ascend in gulch
30.00	Leave gulch. ascend.
40.00	Set a red sandstone 18x15x10 ins. 12 ins. in the ground for 1/4 Sec. Cor. marked 1/4 on W. face; and raised a mound of stone 2 ft. base. 1½ ft. high. W. of Cor. Pits impracticable.
57.00	Point of ridge. bears S. E. descend.

Subdivision of T. 22 S. R. 2½ W. Continued.

Chains	
59.00	Head of gulch. course S.E. ascend to top of ridge.
80.00	Set a red sandstone 18×11×7 ins. 12 ins. in the ground for cor. to secs 11.12.13 & 14. marked 4 notches on S. & 1 notch on E. edges and raised a mound of stone 2 ft. base, 1½ ft. high. W. of cor. Pits impracticable. Land. broken. Soil. Rocky, 4th rate. Timber. Cedar & pine. scattering Mountainous land. 80 chains.
	S 89°.56' E. on a random line bet. secs 12 & 13.
40.00	Set temporary ¼ Sec. Cor.
80.06	Intersect E. bdy. of Tp. at cor. to secs 7.12.13 & 18. as hereinbefore described. thence I run.
	N 89°.56' W. on a true line bet. secs 12 & 13 Ascend over rocky ledges. in scattering cedars & pines.
40.03	Set a sandstone 18×14×9 ins. 12 ins. in the ground for ¼ Sec. Cor. marked ¼ on N. face; and raised a mound of stone 2 ft. base, 1½ ft. high. N. of Cor. Pits impracticable.
60.80	Top of ridge 600 ft. above Sec. Cor. bears N.W. & S.E. descend to
80.06	The cor. to Secs 11.12.13 & 14. Land. broken. Soil. Rocky, 4th rate. Timber. Cedars & pines. scattering Mountainous land. 80.06 chains. October 18 - 1896.
	N 0°.01' W. bet. secs 11 & 12. Ascend rocky ledges, in scattering cedars & pines.
10.00	Top of ridge. bears N.W. & S.E. descend.
40.00	Set a limestone 18×14×3 ins. 12 ins. in the ground for ¼ Sec. Cor. marked ¼ on W. face; and raised a mound of stone. 2 ft. base, 1½ ft. high. W. of cor. Pits impracticable.
50.00	North Cedar Ridge Cañon. course S.E.
50.90	Road. bears N.W. & S.E. ascend rocky ledges.

Subdivision of S. 22. & R. 2½ W. Continued

Chains	
80.00	Set a limestone 15×16×7 ins. 12 ins. in the ground for Cor. to Secs. 1. 2. 11 & 12. marked 5 notches on S. & W. 1 notch on E. edges; and raised a mound of stone 2 ft. base, 1½ ft. high. N. of Cor. Pits impracticable.
	Land. broken.
	Soil. Rocky, & stony.
	Timber. Cedars & Pines scattering
	Mountainous land 80 chains.
	S. 89°. 56'. E. on a random line bet. Secs. 1 & 12.
10.00	set temporary ¼ Sec. Cor.
80.06	Intersect E. bdy. of Tp. 5 lks. N. of cor. to Secs. 1. 6. 7 & 12. as hereinbefore described
	thence I run
	N. 89°. 54'. W. on a true line bet. Secs. 1 & 12.
	Enter scattering Cedars & pines, ascend rocky ledges.
9.00	Top of ridge, bears N.W. & S.E. descend broken rocky ledges.
40.03	set a limestone 16×14×12 ins. 11 ins. in in the ground for ¼ Sec. Cor. marked ¼ on N. face; and raised a mound of stone 2 ft. base, 1½ ft. high. N. of cor. Pits impracticable.
57.00	Head of rocky gulch, course S.E. ascend
75.00	Point of ridge, bears S.E. descend
79.50	Top of limestone cliff 120 ft. high, descend
79.60	Foot of cliff bears W. & S.
80.06	The cor. to Secs. 1. 2. 11 & 12.
	Land. broken.
	Soil. Rocky, & stony.
	Timber. Cedars & pines scattering
	Mountainous land. 80.06 chains.
	October 19. At this cor. I set off 10°. 25'. N. on the decl. arc; and at 12. M. I run 6 chains the sun on the meridian; the resulting Lat. is 38°. 55'. N

Subdivision of T. 22. S. R. 2½ W. Continued

Chains.	
	No°. 01' W. on a random line bet. secs 1 & 12.
40.00	Set temporary ¼ Sec. Cor.
101.00	Intersect N. bdy. of Tp. 3 lks W. of cor. to secs 1. 2. 35 & 36.
	Thence I. run
	South on a true line bet. secs 1 & 12.
	Enter scattering cedars & pines. descend,
29.00	Ravine. course S. E. thence along E. side of ravine. descending
39.50	Cañon. course E. ascend.
61.00	Set a sandstone 18x12x7 ins. 12 ins. in the ground for ¼ Sec. cor. marked ¼ on W. face; and raised a mound of stone 2 ft. base, 1½ ft. high. W. of Cor. Pits impracticable.
81.00	Top of ridge 600 ft. above Cañon, bears N.W. & S.E. descend to
101.00	The cor. to secs 1. 2. 11 & 12,
	Land, broken.
	Soil. Rocky, 4th rate.
	Timber. Cedar & pine scattering
	Mountainous land 101.00 chains.
	October 19 - 1896.

From the cor. to secs 2. 3. 34 & 35 on S. bdy. of Tp. as hereinbefore described

I run

No°. 01' W bet. secs 34 & 35.

Enter scattering cedars & pines. ascend red sandstone ledges.

18.50	Top of ledges. point of ridge. 200 ft. above Sec. Cor. bears S.W. Thence along East side of ravine.
40.00	Set a limestone 16x12x8 ins. 11 ins. in the ground for ¼ Sec. Cor. marked ¼ on W. face; and raised a mound of stone 2 ft. base, 1½ ft. high. W. of Cor. Pits impracticable.
61.50	Bend of ravine. course S.W. from N.W. ascend 400 ft. to
80.00	Set a limestone 16x10x8 ins. 11 ins. in the ground for cor. to secs 26. 27. 34 & 35; marked 1 notch on S. & 2 notches on E. edges; and

Subdivision of T. 22 S. R. 2½ W. continued

Chains	
	raised a mound of stone 2 ft. base, 1½ ft. high. N. of cor. Pits impracticable.
	Land. broken.
	Soil. Rocky, 4th rate.
	Timber. Cedars & pines, scattering
	Mountainous land. 80 chains.
	East on a random line bet. secs 26 & 35.
40.00	Set temporary ¼ Sec. cor.
80.04	Intersect N. & S. line at cor. to secs 25, 26, 35 & 36.
	thence S. run
	West on a true line bet. secs 26 & 35.
	Descend in scattering cedars & pines.
9.00	Gulch 200 ft. below Sec. Cor. course S.W. ascend
16.20	Point of ridge 200 ft. high, bears S. descend
32.50	Gulch. course S. ascend.
39.00	Point of ridge. bears S. descend.
40.02	Set a sandstone 14×8×6 ins. 10 ins. in the ground for ¼ Sec. Cor. marked ¼ on N. face; from which.
	A pine 14 ins. in diam. bears S 63° 50' E 26 lks. dist. marked ¼ S. B. T.
	A pine 18 ins. in diam. bears N. 8° 40' W 29 lks dist. marked ¼ S. B. T.
42.20	Gulch. course S. E. ascend 500 ft. to
69.00	Top of ridge. bears N. & S. descend to
80.04	The cor. to secs. 26, 27, 34 & 35.
	Land. broken.
	Soil. Rocky, 4th rate.
	Timber Cedars & pines scattering
	Mountainous land. 80.04 chains.
	October 20. At this cor. I set off 10° 44' S. on the decl. arc; and at 12 M. I m. t. observe the sun on the meridian the resulting lat. is 38° 52' N.
	N. 0° 01' W. bet. secs 26 & 27.
	Ascend in scattering cedars & pines.
8.50	Top of ridge, 200 ft. above Sec. Cor. bears E. & W. descend 750 ft. to
39.00	Mouth of gulch. from S.W. enter spruce.

Subdivision of T. 22 S. R. 2½ W. Continued

Chains	
40.00	Set a red sandstone 16×10×8 ins. 11 ins. in the ground for ¼ Sec. Cor. marked ¼ on W. face; from which
	A spruce 8 ins. in diam. bears S 43° 50' E 56 lks dist. marked ¼ S. B. T.
	A spruce 15 ins. in diam. bears S 11° 20' W 37 lks dist. marked ¼ S. B. T.
	Enter bottom of South Cedar Ridge Cañon. Course E.
41.00	Road, bears E & W.
42.50	Dry wash 20 lks wide. 3 ft. deep, course E.
46.40	Dry wash 50 lks wide. 2½ ft. deep. course N. E.
48.00	Leave spruce, ascend.
64.00	Point of ridge 300 ft. above bottom, bears S. W. descend
68.00	Gulch. 80 ft. deep. course S.W. ascend.
75.90	Ridge. bears N.E. & S.W. descend 100 ft. to
79.00	Rocky gulch, course W. ascend to
80.00	Set a red sandstone 18×14×10 ins. 12 ins. in the ground for cor. to secs 22. 23. 26 & 27. marked 2 notches on S. & E. edges, and raised a mound of stone 2 ft. base 1½ ft. high. W. of cor. Pits impracticable.
	Land, broken.
	Soil: Rocky & gravelly. 4th rate.
	Timber. Cedar, pinon & spruce, scattering
	Mountainous land 80. chains.
	East on a random line bet. secs 23 & 26.
40.00	Set temporary ¼ Sec. Cor.
80.02	Intersect W. & S. line 9 lks. S. of cor. to secs 23. 24. 25 & 26.
	thence I run
	S 89° 56' W. on a true line bet. secs 23 & 26
	Enter scattering cedars & pinon, ascend.
57.00	Point of ridge. bears S. descend.
75.00	Rocky gorge, 150 ft. deep. course S. E. ascend over rough, rocky hillside.
35.00	Ridge. bears N.E. & S.W. descend.
37.00	Descend rocky ledges.
40.01	Set a limestone 15×9×8 ins. 10 ins. in the

Subdivision of T. 22. S. R. 2½ W. continued

Chains	
	ground for ¼ Sec. Cor. marked ¼ on N. face;
	and raised a mound of stone 2 ft. base.
	1½ ft. high. N. of cor. Pits impracticable.
47.00	Rocky ravine 300 ft. deep. course S 10° W.
	ascend over ledges and boulders.
67.00	Top of ridge, bears N.E. and S.W. descend
	500 ft. to
80.02	The cor. to secs 22. 23. 26 and 27.
	Land. broken.
	Soil. Rocky. 4th rate.
	Timber. Cedars and pines scattering
	Mountainous land 80.02 chains.
	N 0°.01' W. bet. secs 22 and 23.
	Enter scattering Cedars and pines, descend 150 ft.
3.50	Gulch. course S.W. ascend.
	On ridge bearing S.W. from N.E.
40.00	Set a sandstone 16 × 11 × 5 ins. 11 ins. in the
	ground for ¼ sec. Cor. marked ¼ on W. face;
	and raised a mound of stone 2 ft. base.
	1½ ft. high. W. of Cor. Pits impracticable.
53.50	Top of ridge 500 ft. above Sec. Cor. bears
	N.W. and S.E. descend.
76.00	Gulch. course N.E.
80.00	Set a sandstone 18 × 10 × 6 ins. 12 ins. in the
	ground for Cor. to secs 14. 15. 22 and 23. marked
	3 notches on S. and 2 notches on E. edges;
	and raised a mound of stone 2 ft. base
	1½ ft. high. W. of cor. Pits impracticable
	Land. broken.
	Soil. Rocky. 4th rate.
	Timber. Cedars and pines scattering
	Mountainous land 80 chains.
	October 20 - 1896
	N 89°.56' E. on a random line bet. secs 14 and 23
40.00	Set temporary ¼ Sec. Cor.
80.00	Intersect N. and S. line 5 lks N. of cor. to secs
	13. 14. 23 and 24
	thence I run
	S 89°.58' W. on a true line bet. secs 14 and 23.
	Enter scattering cedars and pines. descend
13.00	Rocky point of ridge. 150 ft. above Sec. Cor. descend

Subdivision of S 22. T. R. 2½ W. continued.

Chains	
24.20	Gulch. 100 ft. deep. course S. ascend along N. side of canon.
40.00	Set a red sandstone 18x12x7 ins. 12 ins. in the ground for ¼ Sec. Cor. marked ¼ on N. face; and raised a mound of stone 2 ft. base 1½ ft. high. N. of cor. Pits impracticable.
	descend.
68.25	Strawberry Canon, course S.E.
74.50	South of gulch from S. W. ascend to
80.00	The cor. to Secs 14. 15. 22 & 23.
	Land. broken.
	Soil. Rocky. 4th rate.
	Timber. Cedars & pines. scattering
	Mountainous land 80. chains.

	No. 01 W. bet. Secs 14 & 15.
	Enter scattering Cedars & pines. descend
13.50	Strawberry Canon, course S.E. ascend rocky ledges & boulders
40.00	Set a sandstone 18x10x6 ins. 12 ins. in the ground for ¼ Sec. Cor. marked ¼ on W. face; and raised a mound of stone 2 ft. base, 1½ ft. high. W. of cor. Pits impracticable.
80.00	Set a limestone 24x14x7 ins. 18 ins. in the ground for cor. to Secs 10. 11. 14 & 15. marked 4 notches on S. & 2 notches on E. edges; and raised a mound of stone 2 ft. base, 1½ ft. high. W. of cor. Pits impracticable.
	Land. broken.
	Soil. Rocky 4th rate.
	Timber. Cedars & pines. scattering
	Mountainous land 80. chains.
	October 21. At this cor. I set off 11°04' S. on the decl. arc; and at 12 M. L.M.T. observed the sun on the meridian, the resulting lat. is 38°54'.

Subdivision of T. 22 S. R. 25 W. Continued

Chains	
	N 89° 58' E. on a random line bet. secs. 11 & 14.
40.00	Set temporary 1/4 Sec. Cor.
79.92	Intersect N. & S. line 5 lks. S. of cor. to secs. 11. 12. 13 & 14
	Thence I run
	S 89° 56' W. on a true line bet. secs. 11 & 14.
	Descend in scattering cedars & pines
18.00	Gulch. course S. ascend
27.50	Top of rocky ridge. bears N. & S. descend
39.96	Set a limestone 14 x 10 x 10 ins. 10 ins. in the ground for 1/4 Sec. Cor. marked 1/4 on N. face, and raised a mound of stone 2 ft. base. 1/2 ft. high. N. of cor. Pits impracticable
	Ascend
57.50	Ridge. bears N. & S. descend rocky ledges
79.92	The cor. to secs. 10. 11. 14 & 15.
	Land. broken.
	Soil. Rocky, 4th rate.
	Timber. Cedars & pines. scattering
	Mountainous land 79.92 chains.

	N 0° 01' W. bet. secs. 10 & 11.
	Ascend in scattering cedars & pines
30.40	Ridge. 300 ft. above Sec. Cor. bears E. & W. descend
40.00	Set a sandstone 24 x 14 x 12 ins. 18 ins. in the ground for 1/4 Sec. Cor. marked 1/4 on N. face, and raised a mound of stone 2 ft. base. 1/2 ft. high. N. of cor. Pits impracticable.
52.50	Small ridge. bears N. E. entire descent.
65.00	Ravine. course N. E. ascend to
80.00	Set a limestone 14 x 10 x 4 ins. 10 ins. in the ground for cor. to Secs. 2. 3. 10 & 11. marked 5 notches on S. & 2 notches on E. edges; and raised a mound of stone 2 ft. base. 1/2 ft. high. N. of cor. Pits impracticable.
	Land. Broken.
	Soil. Rocky, 4th rate
	Timber. Cedar. Pine & Spruce. scattering
	Mountainous land 80. chains.

Subdivision of T. 22 S. R. 2½ W. Continued.

Chains	
	N 89° 50' E. on a random line bet. Secs 2 & 11.
40.00	Set temporary ¼ Sec. Cor.
80.00	Intersect W. & S. line 14 lks S. of cor. to Secs 1. 2. 11. & 12.
	thence I run
	S 89° 50' W. on a true line bet. secs 2 & 11.
	Descend in scattering cedars & pines
15.00	Ravine. course S. E. ascend 150 ft. to
19.50	Point of ridge. bears S. E. descend
40.00	Set a limestone 14 x 12 x 6 ins. 10 ins. in the ground for ¼ Sec. Cor. marked ¼ on N. face and raised a mound of stone 2 ft. base, 1½ ft. high. N. of cor. Pits impracticable.
40.50	Dry wash 80 lks wide 20 ft. deep. course S. E.
55.50	North Cedar Ridge Cañon. course S. E.
	Dry wash 25 lks wide. 2 ft. deep course S. E.
57.00	Road. bears N.W. & S.E. ascend to
80.00	The cor. to Secs 2. 3. 10 & 11.
	Land. broken.
	Soil. Rocky & Gravelly, 4th rate.
	Timber. Cedars & pines. scattering
	Mountainous land 80. chains.
	October 21 - 1896.
	N 0° 01' W. on a random line bet. secs 2 & 3.
40.00	Set temporary ¼ Sec. Cor.
100.86	Intersect N. bdy. of Tp. at cor. to Secs 2. 3. 34 & 35. as hereinbefore described.
	thence I run
	S 0° 01' E. on a true line bet. secs 2 & 3.
	Enter scrub cedars. pines & mahogany. descend.
15.00	Ravine. course S. E. enter pines & spruce timber. leave cedars & mahogany. ascend.
23.00	Top of ridge. bears N.W. & S.E. leave timber
41.00	Enter mahogany.
80.86	Set a sandstone 14 x 8 x 5 ins. 10 ins. in the ground for ¼ Sec. Cor. marked ¼ on N. face, and raised a mound of stone 2 ft. base, 1½ ft. high. N. of Cor. Pits impracticable.
75.00	Leave mahogany.
77.00	North Cedar Ridge Cañon, Course S. E.

Subdivision of T. 22 S. R. 2 W. Continued

Chains	
77.46	Road, bears N.W. & S.E. ascend to
100.86	The cor. to Secs. 2. 3. 10 & 11.
	Land, broken.
	Soil. Rocky & Gravelly, 4th rate.
	Timber, Cedar, Pine, Spruce & Mahogany scattering
	Mountainous land 100.86 chains.
	October 25 - 1896.
	From the cor. to Secs. 3. 4. 33 & 34. on the Bdy. of Tp. as hereinbefore described
	I run
	N. 8°. 02' W. bet. secs. 33 & 34.
	Enter scattering cedar & pines. ascend along E. side of ravine.
40.00	Set a limestone 18x10x6 ins. 12 ins. in the ground for 1/4 Sec. Cor. marked 1/4 on W. face; and raised a mound of stone 2 ft. base, 1½ ft. high. W. of Cor. Pits impracticable.
80.00	Set a sandstone 18x12x8 ins. 12 ins. in the ground for cor. to Secs. 27. 28. 33 & 34. marked 1 notch on N. & 3 notches on E. edges; and raised a mound of stone 2 ft. base, 1½ ft. high. W. of Cor. Pits impracticable
	Land, broken.
	Soil. Rocky, 4th rate.
	Timber, Cedar & pines. scattering
	Mountainous land 80. chains.
	East on a random line bet. secs. 27 & 34.
40.00	Set temporary 1/4 Sec. Cor.
80.00	Intersect W. & S. line at cor. to Secs. 26. 27. 34 & 35.
	Thence I run
	West on a true line bet. secs. 27 & 34
	Descend 80 ft. in scattering cedars & pines
2.50	Head of ravine, course N. ascend along N. side of ridge.
40.00	Set a limestone 16x10x6 ins. 11 ins. in the ground for 1/4 Sec. Cor. marked 1/4 on N. face and raised a mound of stone 2 ft. base, 1½ ft. high. N. of Cor. Pits impracticable.
66.50	Top of ridge, bears N.E. & S.W. descend

Subdivision of T.22 S. R.2½ W. continued.

Chains	
80.00	The cor. to Secs 27.28.33 & 34.
	Land. broken.
	Soil. Rocky & rich.
	Timber. Cedars & pines scattering
	Mountainous land 80 chains.
	October 22. At this cor. I set off 10°.25' S. on the decl. arc; and at 12 M. l.m.t. observed the sun on the meridian the resulting lat. is 38°.52'.
	West on a random line bet. secs 28 & 33.
32.12	Intersect E. bdy. of T.22 S. R.3 W. 31.05/10 chs. S. of the ¼ sec. cor. on E. side of sec. 36.
	Set a limestone 18x10x7 ins. 12 ins. in the ground for Closing Cor. to Secs 28 & 33. marked C.C. on E. and 1 groove on S. & 5 grooves on N. faces; from which
	A cedar 8 ins. in diam. bears N.59° E. 6 lks dist. marked T.22 S R.2½ W. S.28. B.T.
	A pine 8 ins. in diam. bears S.74° E. 30 lks dist. marked T.22 S. R.2½ W. S.33. B.T.
	Thence I run
	East on a true line bet. secs 28 & 33.
	Enter scattering cedars & pines. descend
7.70	Gulch 150 ft. below closing Cor. course S. ascend.
12.60	Point of ridge 150 ft. high. bears S. descend
19.70	Gulch. course S. ascend.
25.00	Point of ridge 100 ft. high. bears S. descend
29.50	Head of ravine. course S. ascend 100 ft. to
32.12	The cor. to secs 27.28.33 & 34.
	Land. broken
	Soil. Rocky & gravelly, poor rate.
	Timber. Cedars & Pines. scattering
	Mountainous land 32.12 chains.
	N.0°.02' W. bet. secs 27 & 28.
	Ascend 200 ft. in scattering Cedars & Pines.
7.00	Top of ridge. bears E. & W. descend 800 ft. to
34.00	South Fork of South Cedar Ridge Canon
	Course N.E. road. bears N.E. & W.

Subdivision of Lots 1 & 2 Sec. 21 T. 4 S. R. 2 W.

Chains	
34.00	Ascend.
37.00	Point of ridge 30 ft. high bears E. descend.
40.00	Placed sandstone 16x10x4 ins. 11 ins. in the ground for 1/4 Sec. Cor. marked 1/4 on N. face; and raised a mound of stone 2 ft. base, 1½ ft. high, W. of Cor. Pits impracticable
43.50	South Cedar Ridge Cañon. Dry wash 25 lks. wide. 2½ ft. deep. course S. E.
43.50	Road. bears NW & S.E. ascend 600 ft. to
80.00	Set a sandstone 20x10x8 ins. 15 ins. in the ground for cor. to secs 21. 22. 27 & 28. marked 2 notches on S. & 3 notches on E. adj. cor.; and raised a mound of stone 2 ft. base 1½ ft. high W. of cor. Pits impracticable. Land. Broken. Soil. Rocky & Gravelly & Poor. Timber. Scattering cedars & pinon pitchy Mountainous land 80. chains.
	East on a random line bet. secs 22 & 27
40.00	to temporary 1/4 Sec. Cor.
79.92	Intersect W. & E. line 5 chs S. of cor. to secs 22. 23. 26 & 27.
	Thence I run
	S 89° 58' W. on a true line bet. secs 22 & 27.
	Descend 80 ft. to
2.80	Gulch. course S. ascend 200 ft. to
11.20	Rocky point. bears S. descend 300 ft. to
21.60	Dry wash 30 lks wide. 2 ft. deep. course S.W.
23.60	North Fork of South Cedar Ridge Cañon. Dry wash 10 lks wide. 2 ft. deep. course S. E. wood in wash. bears NW & S.E. ascend.
39.88	Set a sandstone 15x10x4 ins. 10 ins. in the ground for 1/4 Sec. Cor. marked 1/4 on N. face; and raised a mound of stone 2 ft. base, 1½ ft. high. E. of Cor. Pits impracticable
43.50	Top of ridge 600 ft. above cañon. bears N. descend
57.50	Gulch. course E. ascend 200 ft. to
68.50	Top of ridge. bears N & S. descend 200 ft. to
77.96	The cor. to secs 21. 22. 27 & 28

Subdivision of T. 22. S. R. 2½ W. Continued

Chains	
	Land broken.
	Soil Rocky, 4th rate.
	Timber Cedars & Pines. Scattering.
	Mountainous land 79.96 chains.
	October 22 - 1896.
	West on a random line bet: secs 21 & 28.
32.10	Intersect E. bdy. of T. 22. S. R. 3. W. 8 ~~30~~ 63 chs.
	N. from the Cor. to secs 25 & 36. Set a sandstone
	14×10×6 ins. 10 ins. in the ground for Closing
	Corner to secs 21 & 28. Marked C.C. on E. with
	2 grooves on S. and 4 grooves on N. faces; from which
	A pine 24 ins. in diam. bears N. 40° E. 38 lks
	dist: marked T. 22. S. R. 2½ W. S. 21. B. T.
	A cedar 18 ins. in diam. bears S 33° E. 12 lks
	dist: marked T. 22. S. R. 2½ W. S. 28 - B. T.
	thence I run
	East on a true line bet: secs 21 & 28.
	Enter scattering cedars & Pines. Descend.
10.50	Gulch. 200 ft: below Closing Cor. course S.
	ascend 150 ft to.
14.00	Ridge. bears N. & S. descend 200 ft: to
23.25	Ravine. Course S. ascend.
32.10	The cor. to secs 21. 22. 27 & 28.
	Land. broken.
	Soil. Rocky & Gravelly 4th rate.
	Timber. Cedars & Pines. Scattering.
	Mountainous land 32.10 chains.
	No°. 02' W. bet: secs 21 & 22.
	Ascend in scattering cedars & Pines.
14.80	Top of ridge 200 ft: above Sec. Cor. bears
	E & W. descend.
36.00	North Fork of South Cedar Ridge Cañon
	Course S.E. Dry wash 25 lks wide. 3 ft:
	deep. course S.E.
36.80	Road, bears N.W. & S.E. ascend.
38.80	Point of ridge, 60 ft: high, bears S.W. descend.
40.00	Set a red sandstone 15×12×5 ins. 10 ins. in
	the ground for ¼ Sec. Cor. marked ¼ on W.
	face; and raised a mound of stone 2 ft:
	base, 1½ ft: high. W. of Cor. Pits impracticable.

Subdivision of T. 22 S. R. 2½ W. continued

Chains.	
42.00	Ravine. Course S.W. ascend 500 ft. to
79.20	Foot of sandstone bluff 40 ft. high. bears N.E. & S.W.
79.30	Top of bluff. thence along top of bluff to
80.00	Set a sandstone 24×16×12 ins. on top of sandstone bluff for cor. to secs 15.16.21 & 22 marked 22 S. on N.E. & 2½ W. on S.E. faces; with 3 notches on N. & E. edges; and raised a mound of stone 3 ft. base 1½ ft. high around corner. Pits impracticable. Land. broken. Soil. Rocky & Gravelly, 4th rate. Timber. Cedars & Pines. Scattering. Mountainous land 80 chains.
	N 89° 08' E on a random line bet. secs 15 & 22.
40.00	Set temporary ¼ Sec. Cor.
80.04	Intersect N & S. line 5 lks N. of cor. to secs 14.15.22 & 23.
	Thence I run
	West on a true line bet. secs 15 & 22.
	Ascend 500 ft. in scattering cedars & pines.
30.50	Top of rocky ridge. bears N.W. & S.E. descend
40.02	Set a sandstone 16×10×6 ins. 11 ins. in the ground for ¼ Sec. Cor. marked ¼ on N. face; and raised a mound of stone 2 ft. base 1½ ft. high. N. of Cor. Pits impracticable.
40.40	Gulch. Course S. ascend.
52.00	Ridge. 200 ft. high. bears N & S. descend.
63.00	Gulch. course S. ascend 200 ft. to
79.80	Foot of sandstone bluff 40 ft. high, bears N.E. & S.W. ascend.
79.80	Top of bluff
80.04	The cor. to secs 15.16.21 & 22. Land. broken. Soil. Rocky, 4th rate. Timber. Cedars & Pines, scattering. Mountainous land 80.04 chains.
	October 23 - At this cor. I set off 11°45' S. on the decl. arc; and at 12 m. l.m.t. observe the sun on the meridian; the resulting lat. is 38°53'.

Subdivision of T. 22 S. R. 2½ W. Continued.

Chains.	
	West on a random line bet. secs 16 & 21.
32.04	Intersect the E. bdy. of T. 22 S. R. 3 W. 8.56
	chs. N. of the cor. to secs 24 & 25.
	Set a sandstone 16×10×6 ins. 11 ins. in the
	ground for Closing Corner to secs 16 & 21.
	Marked C.C. on E. with 3 grooves on N & S.
	faces; from which
	A pine 24 ins. in diam. bears N 76° 40' E.
	117 lks. dist. marked T. 22. S. R. 2½ W. S. 16. B.T.
	A pine 24 ins. in diam. bears S 81° 30' E. 95 lks.
	dist. marked T. 22. S. R. 2½ W. S. 21. B. T.
	Thence I run
	East on a true line bet. secs 16 & 21.
	Ascend gradually in scattering pines
	and Cedars.
4.50	Descend 50 ft. to
11.00	Ravine. Course S. E. ascend.
16.00	Point of ridge 100 ft. high. bears S. descend.
22.00	Gulch. course S. W. ascend 300 ft. to
31.90	Foot of sandstone bluff 40 ft. high. bears
	N. E. & S. W. ascend.
31.95	Top of bluff.
32.04	The cor. to secs 15. 16. 21 & 22.
	Land. broken.
	Soil. Rocky. 4th rate.
	Timber. Cedars & Pines. Scattering.
	Mountainous land 32.04 chains.
	No. 02 W. bet. secs 15 & 16.
	Enter scattering Cedars & pines.
0.40	Top of sandstone bluff 30 ft. high, bears
	N. E. & S. W. descend.
0.50	Foot of bluff, descend 200 ft. to
15.50	Gulch course S. W. ascend 750 ft. to
34.00	Top of ridge bears S. E. & N. W. descend.
40.00	Set a sandstone 16×14×8 ins. 11 ins. in the
	ground for ¼ Sec. Cor. marked ¼ on W. face.
	and raised a mound of stone 2 ft. base
	1½ ft. high. W. of Cor. Pits impracticable.
48.10	Gulch. 200 ft. below top of ridge. course N. E.
	ascend.

Subdivision of T. 22 S. R. 2½ W. Continued

Chains.	
54.20	Point of ridge, bears N.E. descend 600 ft. to
75.20	Strawberry Cañon. Course S.E. ascend to
80.00	Set a sandstone 16×8×6 ins. 11 ins. in the ground for cor. to secs 9.10.15 & 16. marked 4 notches on S. and 3 notches on E. edges, and raised a mound of stone 2 ft. base 1½ ft. high. N. of Cor. Pits impracticable.
	Land. broken.
	Soil. Rocky. 4th rate.
	Timber. Cedars & Pines. scattering.
	Mountainous land 80. chains.
	October 23. 1896.
	East on a random line bet. secs 10 & 15.
40.00	Set temporary ¼ Sec. Cor.
80.06	Intersect N. & S. line at cor. to secs 10.11.14 & 15.
	Thence I run
	West on a true line bet. secs 10 & 15.
	Descend in scattering Cedars & Pines. over ledges & boulders.
13.00	Ravine. Course S.E. ascend.
24.00	Ridge. 200 ft. high. bears N.W. & S.E. descend.
29.70	Gulch. course S.E. ascend.
37.00	Ridge. 150 ft. high. bears N. & S. descend.
40.03	Set a limestone 14×9×5 ins. 10 ins. in the ground for ¼ Sec. Cor. marked ¼ on N. face, and raised a mound of stone 2 ft. base 1½ ft. high. N. of Cor. Pits impracticable.
49.50	Gulch. Course S. ascend.
52.50	Point of ridge 75 ft. high. bears S. descend.
55.50	Gulch. course S.E. ascend.
64.50	Top of ridge. bears N.W. & S.E. descend to
80.06	The cor. to secs 9.10.15 & 16.
	Land. broken.
	Soil. Rocky. 4th rate.
	Timber. Cedars & Pines. scattering.
	Mountainous land 80.06 chains.
	West on a random line bet. secs 9 & 16.
32.06	Intersect E. bdy. of T. 22 S. R. 3 W. 8.62 chs N. of cor. to secs 13 & 24.

Subdivision of Sec. 1. R. 2 W. Continued

Chains	
	Set a red sandstone 16 x 10 x 6 ins. 11 ins. in the ground for closing Cor. to secs 9 & 16 marked C.C. on E. with 4 grooves on S. & 2 grooves on W. faces; and raised a mound of stone 2 ft. base 1½ ft. high E. of cor. Pits impracticable. Thence I run East on a true line bet. secs 9 & 16.
	Ascend in dead timber.
2.00	Gulch 1.00 ch. wide 50 ft. deep course N.E.
7.00	Point of ridge bears N.E. leave dead timber enter scattering pines & cedars. Descend
14.20	Gulch 50 lks wide 20 ft. deep course N.
28.50	Strawberry Cañon, course S.E.
29.50	Ascend
32.06	The cor. to secs 9. 10. 15 & 16.
	Land broken.
	Soil Rocky 4th rate.
	Timber Cedars & pines scattering
	Mountainous land 32.06 chains
	N 0° 02' W. bet. secs 9 & 10.
	Enter scattering cedars & pines. Ascend ledges & boulders.
40.00	Set a limestone 14 x 10 x 10 ins. 10 ins. in the ground for ¼ Sec. Cor. marked ¼ on W. face, and raised a mound of stone 2 ft. base, 1½ ft. high W. of cor. Pits impracticable.
70.00	Rocky point bears W.
75.00	Top of ridge bears N.W. & S.E. descend
80.00	Set a sandstone 14 x 10 x 6 ins. 10 ins. in the ground for cor. to Secs 3. 4. 9 & 10. marked 5 notches on S. & 3 notches on E. edges; and raised a mound of stone 2 ft. base 1½ ft. high W. of cor. Pits impracticable.
	Land broken.
	Soil Rocky 4th rate.
	Timber Cedars & pines scattering
	Mountainous land 80 chains
	October 24. At this cor. I set off 12° of S. on the decl. arc; and at 12 M. l. m. t. observed the sun on the meridian; the resulting lat. is 38° 55'.

Subdivision of T. 22. S. R. 2½ W. continued.

Chains.	
	East on a random line bet: secs 3 & 10.
40.00	Set temporary ¼ Sec. Cor.
80.04	Intersect W & S. line 5 lks S. of cor. to secs 2. 3. 10 & 11.
	thence I run
	S 89° 58' W. on a true line bet: secs 3 & 10
	Ascend along N. slope of ridge, in scattering cedars & pines.
40.02	Set a sandstone 16×10×7 ins. 11 ins. in the ground for ¼ Sec. Cor. marked ¼ on N. face, and raised a mound of stone 2 ft. base, 1½ ft. high. N. of Cor. Pits impracticable.
80.04	The Cor. to Secs 3. 4. 9 & 10
	Land. broken.
	Soil. Rocky. 4th rate.
	Timber pines & cedars scattering
	Mountainous land 80.04 chains.
	West on a random line bet: secs 4 & 9.
32.08	Intersect E. bdy. of T. 22. S. R. 3. W. 8.64 chs. N. of cor. to Secs 12 & 13.
	Set a sandstone 16×10×6 ins. 11 ins. in the ground for Closing Cor. to Secs 4 & 9. marked C.C. on E. with 1 groove on N & 5 grooves on S. faces: from which
	A cedar 10 ins. in diam. bears N 52° E 7 lks dist: marked T. 22. S. R. 2½ W. S 4. B. T.
	A spruce 18 ins. in diam. bears S 17° 30' E 14 lks. dist: marked T. 22. S. R. 2½ W. S 9. B. T.
	thence I run
	East on a true line bet: secs 4 & 9.
	Descend 50 ft. in scattering spruce, cedars & pines.
0.75	Gulch. course S. ascend 400 ft. to
26.50	Top of rocky ridge. bears N.W. & S.E. descend
32.08	The cor. to Secs 3. 4. 9 & 10.
	Land. broken.
	Soil. Rocky. 4th rate.
	Timber. Spruce, Cedar & pine, scattering
	Mountainous land 32.08 chains.
	October 24 - 1896.

Subdivision of T. 22 S. R. 2½ W. Continued.

Chains.	
	No. 02 W. on a random line bet. secs 3 & 4.
40.00	Set temporary ¼ Sec. Cor.
100.90	Intersect N. bdy. of tp 5 lks. W. of cor. to secs 3.4.33 & 34.
	thence I run
	South on a true line bet. secs 3 & 4.
	Ascend in dense undergrowth
5.00	Top of ridge. bears NW & S.E. descend.
48.00	North Cedar Ridge Canon. course S.E.
	road. bears E & W.
60.90	Set a sandstone 18×12×7 ins. 12 ins. in the ground. for ¼ Sec. Cor. marked ¼ on W. face; and raised a mound of stone 2 ft. base, 1½ ft. high. W. of cor. Pits impracticable
63.60	Road. bears E & W. ascend in scattering Cedars, pines & spruce.
100.90	The cor. to secs 3.4.9 & 10.
	Land. broken.
	Soil. Rocky & Gravelly. 4th rate.
	Timber. Cedars, pines & spruce. dense undergrowth on 100.90 chains.
	Mountainous land 100.90 chains.
	October 25-1896.

General Description.

This township is all high mountains at an elevation of 6000 ft. to 8000 ft. above sea level, and is mostly rocky ledges and boulders of red Sandstone & Grey limestone. unfit for agriculture, but there is good grazing for stock in Strawberry & North Cedar Ridge Cañons. The timber is mostly scrub cedars & pines, except along the South side of North Cedar Ridge Cañon in secs 3.10 & 11. there is considerable spruce of commercial value.

Water is scarce, except in the early part of the summer.

Subdivision of T. 22 S. R. 22 [illegible]

There are no settlers or improvements in this township.
No mineral is found in the township.

John T. Breckon
U. S. Deputy Surveyor

Volume
#
R0248

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

_____, *Chainman.*

_____, *Chainman.*

_____, *Moundman.*

_____, *Moundman.*

_____, *Axman.*

_____, *Axman.*

_____, *Flagman.*

_____

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

SEAL

_____

_____

Final Oath of United States Deputy Surveyor.

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

_____

_____

_____

_____ of the _____ and _____ meridian, in the _____ of _____, which are represented in [illegible] foregoing field notes as having been surveyed by me, and under my direction; and I do further solem[illegible] swear that all the corners of said survey have been established and perpetuated in strict accordance with [illegible] Manual of Surveying Instructions, and the special written instructions of the United States Surve[illegible] General for _____ and in the specific manner described in the field notes, and th[illegible] the foregoing are the original field notes of such survey; and should any fraud be detected, I will suf[illegible] 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 March 27th, 1897

The foregoing field notes of the survey of the subdivisions of Township 22 South Range 2½ West of the Salt Lake Base & Meridian, Utah

_____

_____

_____

_____

executed by John T. Breckon under his contract No. 205, dated January 4th, 1896, having bee[illegible] critically examined, and the necessary corrections and explanations made, the said field notes, and th[illegible] surveys they describe, are hereby approved.

George W. Snow
United States Surveyor General.

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

_____
United States Surveyor General.

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BOOK A-248

H.J.B.

FIELD NOTES

OF THE SURVEY OF

Part of the Subdivision of T24S. R.3W

Of the Salt Lake Base & Meridian,

State of Utah,

AS SURVEYED BY

John T. Breckow, United States Deputy Surveyor,

Under his Contract No. 205, dated January 4, 1896

Survey commenced Oct. 27, 1896

Survey completed Oct. 29, 1896

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Lots high M. 13 Ch. 14 Lks. 60 ✓

Resurvey—C 1-25-00 ✓

BOOK A-248

Names and Duties of Assistants.

Joshua Gardner Chairman

Chris. Sorenson Chairman

Chas. Thomson Axeman

A. E. Perry Axeman

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BOOK A-248

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Township 24 S., *Range* 3 W

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Meanders Page

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Preliminary Oaths of Assistants.

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

_____

_____, *Chain*

_____, *Chain*

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

SEAL

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

_____

_____, *Axman*

_____, *Axman*

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

SEAL

I, _____, do solemnly swear that I will well and 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 T24S. R. 3 W.

Chains	
	Survey commenced Oct. 27. 1896 and executed with a Gurley Mountain transit with solar attachment.
	I begin at the ¼ Sec. cor. bet: secs 16 & 17. which is a sandstone 10×12×6 ins above ground, marked ¼ on W. face: with mound of stone 2 ft: base. 1½ ft: high. W. of cor.
	At this corner I set off 38°.44' on the lat. arc; 13°05' S. on the decl. arc; at 8h 40m A. M. l. m. t. and determine a true meridian with the solar, Oct: 27-1896.
	Thence I run
	North on a resurvey line bet: secs 16 & 17. from the ¼ Sec. Cor.
c 16.00	No trace of old corner.
	thence
	No: 03' W. bet: secs 16 & 17.
	Ascend in scattering cedars.
24.00	Set a sandstone 16×12×8 ins. 11 ins. in the ground for cor. to Secs 8. 9. 16 & 17. marked 4 notches on S. & E. edges; and raised a mound of stone 2 ft: base, 1½ ft: high. W. of cor. Pits impracticable.
	Land. Mountains.
	Soil. Rocky 4th rate.
	Timber. Cedar, scattering
	Mountainous land 24.00 chains.
	East on a random line bet: secs 9 & 16
20.00	No trace of old corner.
40.00	Intersect the ¼ Sec. Cor. bet: secs 9 & 16. which is a sandstone 8×10×5 ins. above ground. marked ¼ on N. face; with a mound of stone 2 ft: base, 1½ ft: high. W. of Cor.
	Thence I run
	West on a true line bet: secs 9 & 16.
	Ascend gradually.
20.00	Steep ascent over broken, rough hillside,

Subdivision of T. 24 S. R. 3 W. continued

Chains	
32.50	Point of ridge. bears S. descend to
40.00	The cor. to Secs 8. 9. 16 & 17.
	Land, broken.
	Soil. Rocky 4th rate.
	No timber.
	Mountainous land 20. chains.
	20.00 Chains resurvey.
	No°.03' W. bet: Secs 8 & 9.
	Enter scattering cedars, ascend.
5.00	Ridge, bears N.E & S.W. descend 100 ft: to
15.00	Gulch, course N.E. ascend along broken hillside facing E.
40.00	Set a lava rock 14×8×7 ins. 10 ins. in the ground for ¼ sec. Cor. marked ¼ on W. face, and raise a mound of stone 2 ft: base, 1½ ft: high. W. of Cor. Pits impracticable.
	Cross ridge, and ascend along hillside facing W.
65.00	Gulch. course S.W. ascend, to
80.00	Set a lava rock 20×9×8 ins. 15 ins. in the ground for cor. to Secs 4. 5. 8 & 9. marked 5 notches on S. and 4 notches on E. edges; and raise a mound of stone 2 ft: base, 1½ ft: high. W. of cor. Pits impracticable, in gulch, course S.E.
	Land, broken top of mountain.
	Soil. Rocky, 4th rate.
	Timber. Cedar, scattering
	Mountainous land 80. chains.
	East on a random line bet: Secs 4 & 9.
40.00	Set temporary ¼ Sec. Cor.
80.10	Intersect N & S. line at cor. to secs 3. 4. 9 & 10. which is a sandstone 8×12×8 ins. above ground, marked with 5 notches on S. & 5 notches on E. edges; with mound of stone 3 ft: base, 2 ft: high. W. of cor.
	thence I run:
	West on a true line, bet: secs 4 & 9.
	Ascend very rough, rocky side hill in scattering cedars
28.50	Point of ridge, bears S. descend.

Subdivision of T. 24 S. R. 3 W. Continued.

Chains.	
34.50	Gulch. course S. E. ascend.
40.05	Set a trachyte 14 x 10 x 10 ins. 10 ins. in the ground for 1/4 Sec. Cor. marked 1/4 on W. face; and raised a mound of stone 2 ft. base, 1½ ft. high. W. of cor. Pits impracticable.
45.00	Ridge. bears N.W. & S.E. descend.
57.50	Gulch. course S.E. from W. ascend in gulch.
64.00	Head of gulch.
70.00	Top of ridge. bears N. & S. descend 100 ft. to
74.00	Fork of gulch. course S. ascend
76.00	Point of ridge. 30 ft. high. bears S. descend to
80.10	The cor. to Secs. 4, 5, 8 & 9.
	Land. broken mountain
	Soil. Rocky. 4th rate.
	Timber. Cedar. scattering
	Mountainous land 80.10 chains.

	N. 0°.03' W. on a random line bet. Secs. 4 & 5.
40.00	Set temporary 1/4 Sec. cor.
80.40	Intersect W. bdy. of Tp. 14 lks W. of cor. to Secs. 4, 5, 32 & 33. as hereinbefore described
	Thence S. run
	N. 0°.03' W. on a true line bet. Secs. 4 & 5.
	Enter scattering cedars. descend 75 ft. to
3.80	Gulch. course S.W. ascend 800 ft. over broken hillside to
27.00	Top of ridge. bears N.E. & S.W. descend 150 ft. to
38.80	Gulch. course W. ascend.
40.40	Set a sandstone 16 x 10 x 8 ins. 11 ins. in the ground for 1/4 Sec. Cor. marked 1/4 on W. face; and raised a mound of stone 2 ft. base, 1½ ft. high. W. of Cor. Pits impracticable.
48.00	Ridge. bears N.E. & S.W. descend 200 ft. to
59.00	Head of gulch. course S.W. ascend 150 ft. to
74.00	Point of ridge. bears S.W. descend 200 ft. to
80.40	The cor. to Secs. 4, 5, 8 & 9.
	Land. broken.
	Soil. Rocky. 4th rate

Subdivision of T. 24 S. R. 5 W. Continued.

Chains.	
	Timber, Cedar, scattering
	Mountainous Land. 52.40 chains.
	Oct. 27th 1896.
	As I could find no indications of old corner bet: secs 19 & 30 at west 27.00 chains from the cor. to secs 19. 20. 29 & 30. Run bet: secs 19 & 20 at North 37.00 chains from same corner. I begin at the cor. to secs 19. 20, 29 & 30. which is a sandstone 8 x 14 x 8 ins. above ground, marked with 2 notches on S. & 5 notches on E. edges; with a mound of stone 3 ft: base, 1½ ft: high. W. of Cor.
	thence I run
	West on a random line bet: Secs 19 & 30.
27.00	No trace of old corner
40.00	Set temporary ¼ Sec. Cor.
79.90	Intersect W. bdy of Tp.
	at cor. to Secs 19. 24. 25 & 30. as heretofore described.
	thence I run
	East on a true line bet: secs 19 & 30.
	Descend in scattering cedars.
10.00	Cañon, course S. W.
21.00	Road. bears N & S. ascend
24.00	Descend.
27.60	Gulch. course S. ascend.
39.90	Set a trachyte 14 x 12 x 4 ins. 10 ins. in the ground for ¼ Sec. Cor. marked ¼ on N. face; and raised a mound of stone 2 ft: base, 1½ ft: high. N. of cor. Pits impracticable.
41.00	Descend to
79.90	The cor. to secs 19. 20. 29 & 30.
	Land. broken.
52.90	Soil. Rocky 4th rate.
	Timber, Cedar, scattering
	Mountainous Land 52.90 chains.
	27.00 chains resurvey.
	North on a resurvey line bet: secs 19 & 20.
37.00	No trace of old corner.
	thence N. 0°. 05' W.

Subdivisions of T. 24 S. R. 3 W. Continued.

Chains	
40.00	Ascend in scattering cedars.
[illegible]	Set a cobble stone 14×10×6 ins. 10 ins. in the ground for ¼ Sec. Cor. marked ¼ on W. face; and raised a mound of stone 2 ft. base, 1½ ft. high. W. of Cor. Pits impracticable.
52.00	Gulch. course S.E. ascend slide rock and boulders
60.00	Gradual ascent along W. side of ridge.
80.00	Set a lava rock 17×12×8 ins. 12 ins. in the ground for cor. to Secs 17. 18. 19 & 20.
48.00 hr	marked 3 notches on S. & 5 notches on E. edges; and raised a mound of stone 2 ft. base 1½ ft. high. W. of Cor. Pits impracticable
	Land, broken.
	Soil. Rocky 4th rate.
	Timber. Cedar, scattering
	Mountainous land 43. chains.
	37.00 chains. resurvey.
	October 28 - at this corner I set off 13°29' S. on the decl. arc; and at 12 m. l.m.t. observe the sun on the meridian, the resulting lat. is 38°.43.N
	East on a random line bet. secs 17 & 20
35.00	No trace of old corner.
40.00	Intersect the old ¼ Sec. Cor. which is sandstone 6×11×7 ins. above ground, marked ¼ on N. face; with a mound of stone 2 ft. base, 1½ ft. high. N. of Cor.
	thence I run
	West on a true line bet. secs 17 & 20 from the ¼ Sec. Cor.
	Ascend
16.00	Top of ridge. bears N & S. descend
24.50	Gulch. course S. ascend.
35.75	Top of ridge. bears N & S. descend to
40.00	The cor. to Secs 17. 18. 19 & 20.
	Land. broken.
35.00 hr	Soil. Rocky 4th rate.
	No timber!
	Mountainous land 35.00 chs. 5.00 chs resurvey.

Subdivisions of T. 24 S. R. 3 W. Continued

Chains	
	West on a random line bet. secs 18 & 19.
40.00	Set temporary 1/4 Sec. Cor.
79.80	Intersect W. bdy. of Tp. 14 lks N. of cor. to Secs 13. 18. 19 & 24, as heretofore described
	thence I run
	N 89°.54' E. on a true line bet. secs 18 & 19.
	Enter scattering cedars. descend
11.00	Ravine. course S. ascend.
17.50	Ridge. bears S.E. & N. descend.
26.00	Head of hollow. course S. ascend.
39.80	Set a trachyte 18×12×4 ins. 12 ins. in the ground for 1/4 Sec. Cor. marked 1/4 on N. face; and raise a mound of stone 2 ft. base, 1 1/2 ft. high. N. of cor. Pits impracticable.
42.00	Top of ridge. bears N.W. & S.E. descend along hillside facing N.E.
66.50	Ravine. course S.E. ascend.
75.00	leave cedars.
79.80	The cor. to secs 17. 18. 19 & 20.
	Land. broken.
	Soil. Gravelly & Rocky 3rd rate.
	Timber. Cedar, scattering
	Mountainous land. 79.80 chains.
	N 0°.03' W. bet. secs 17 & 18.
	Enter scattering cedars. Ascend
10.00	Point of ridge. bears W. descend.
15.00	Hollow. course W. ascend.
18.50	Ridge. bears NW & S.E. descend along ridge.
25.00	Leave ridge.
30.00	Head of ravine. course N.E. ascend
34.00	Ridge bears N.E. descend.
37.50	Ravine. course N.E. ascend,
40.00	Set a trachyte 18×18×14 ins. 12 ins. in the ground for 1/4 Sec. Cor. marked 1/4 on W. face; and raise a mound of stone 2 ft. base, 1 1/2 ft. high. W. of Cor. Pits impracticable.
47.50	Gulch. course E. ascend,
50.00	Leave cedars.
58.00	Ridge. bears NW & S.E. descend,
61.00	Enter flat.

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Subdivision of T. 24 S. R. 3 W. Continued.

Chains.	
66.70	Wood road, bears E & W.
73.00	ascend low ridge bears E & W.
78.00	descend, enter scattering cedar & pine.
80.00	Set tracky to 14×8×6 ins. 10 ins. in the ground for cor. to Secs 7.8.17 & 18. marked 4 notches on S. & 5 notches on E. edges; & raised a mound of stone 2 ft. base, 1½ ft. high. W. of cor. Pits impracticable. A pine 12 ins. in diam. bears S 10° W 20 lks dist. marked T. 24 S. R. 3 W. S. 18. B. T. No other bearing trees available. Land, broken. Soil. Gravelly & Rocky 3rd rate. Timber. Cedar & Pine, scattering Mountainous land 80. chains. October 28 - 1896
	East on a random line bet. secs 8 & 17.
40.00	Set temporary ¼ Sec. Cor.
79.90	Intersect N & S. line 10 lks S. of cor. to secs 8. 9. 16 & 17. thence I run S 89° 56' W. on a true line bet. Secs 8 & 17. Descend gradually.
8.50	Descend steep rocky hillside.
18.00	Flat Cañon, course S.E. 750 ft. below sec. Cor. road bears N.W. & S.E. ascend in scattering cedars.
39.95	Set a sandstone 12×10×4 ins. 8 ins. in the ground for ¼ Sec. Cor. marked ¼ on N. face, & raised a mound of stone 2 ft. base, 1½ ft. high. N. of cor. Pits impracticable.
50.00	Ridge 500 ft. above Cañon. bears N & S. descend
71.15	Gulch. 100 ft. below ridge, course N.E. ascend 50 ft. to
75.25	Road N.W. & S.E.
78.50	Point of ridge - bears N. descend 30 ft. to
79.90	The cor. to Secs 7. 8. 17 & 18. Land, broken. Soil. Rocky 4th rate. Timber. Cedar, scattering Mountainous land 79.90 chains.

See cor. note Book VII page 419

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Subdivision of T. 24 S. R. 3 W. Continued

Chains	
	S89°.54' W. on a random line bet. secs 7 & 18.
40.00	Set temporary 1/4 Sec. Cor.
79.60	Intersect W. bdy. of T/p at cor. to secs. 7. 12. 13 & 18. as heretofore described
	thence I run
	N89°.54' E. on a true line bet. secs 7 & 18.
	Enter scattering cedars. ascend.
13.60	Point of ridge. bears S. descend 150 ft.
17.20	Ravine. course N.E.
28.00	Leave ravine. ascend along S. side of ravine
39.60	Set a sandstone 12×8×6 ins. 8 ins. in the ground for 1/4 Sec. cor. marked 1/4 on N. face, and raise a mound of stone 2 ft. base, 1½ ft. high. W. of cor. Pits impracticable.
48.00	Point of ridge. bears N.E. descend.
52.00	Gulch. course N.E. ascend.
58.00	Ridge N.E. & S.W. descend.
74.20	Gulch. course N.E. ascend to
79.60	The cor. to secs 7. 8. 17 & 18.
	Land. broken.
	Soil. rocky 4th rate.
	Timber. Cedar, scattering
	Mountainous land 79.60 chains.
	N0°.03' W. bet. secs 7 & 8.
	Enter scattering cedar & pine.
3.24	Road bears S.E. & N.W.
8.35	Ravine. 100 ft. below sec. cor. course E. ascend.
17.00	Ridge 100 ft. high. bears E. descend.
20.80	Ravine. course E. ascend.
28.00	Ridge 200 ft. high. bears E. & W. descend
35.00	Ravine. course E. ascend.
40.00	Set a sandstone 16×10×4 ins. 12 ins. in the ground for 1/4 Sec. Cor. marked 1/4 on W. face; from which
	A cedar 15 ins. in diam. bears N 5° E. 9 lks dist. marked 1/4 S. B. T.
	A cedar 30 ins. in diam. bears S89° W. 16 lks dist. marked 1/4 S. B. T.
61.00	Ridge bears E. & W. descend.
71.00	Ravine. course E. dry wash 50 lks wide 3 ft.

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Subdivision of T. 24. S. R. 3. W. Continued.

Chains		
	deep. course E. ascend.	
78.10	Wood road, bears E & W.	
80.00	Set a sandstone 20×12×8 ins. 15 ins. in the ground, for cor. to secs 5.6.7 & 8. marked 5 notches on S. & E. edges; and raised a mound of stone 2 ft. base, 1½ ft. high. W. of cor. Pits impracticable. Land. broken. Soil. Rocky 4th rate. Timber. Cedar, scattering Mountainous land 80. chains. October 29. At this corner I set off 13°49' S on the decl. arc; and at 12 m. L.M.T. observe the sun on the meridian, the resulting lat. is 38°45' N	
	N 89°56' E. on a random line bet. secs 5 & 8.	
40.00	Set temporary ¼ Sec. Cor.	
79.80	Intersect N & S. line 10 lks. S. of cor. to secs 4.5.8 & 9. thence I run S 89°52' W. on a true line bet. secs 5 & 8. Ascend 80 ft. in scattering cedars	
7.00	Top of rocky ridge. bears N & S. descend	
9.70	Wood road. bears N & S.	
34.40	Top of ledges 100 ft. high. descend.	
34.80	Foot of ledges. descend gradually	See cor. notes Book VII page 491.
39.90	Set a sandstone 16×10×7 ins. 11 ins. in the ground for ¼ Sec. Cor. marked ¼ on N. face; and raised a mound of stone 2 ft. base, 1½ ft. high. N. of cor. Pits impracticable.	
42.50	Dry wash 50 lks wide 9 ft. deep in bottom of Flat Cañon course S.	
44.80	Wood road. bears NW & SE.	
45.00	Dry wash 40 lks wide. 3 ft. deep, course S.E. ascend 50 ft. to	
49.30	Point of ridge. bears N.E. descend 50 ft. to	
51.30	Dry wash 40 lks wide 5 ft. deep. in bottom of ravine. road in same. course N.E. from W. thence in bottom of ravine.	

Subdivision of T. 24. S. R. 3. W. Continued.

Chains.	
70.00	Leave ravine, ascend along N. side to
79.80	The cor. to secs 5. 6. 7 & 8.
	Land, broken.
	Soil - Gravelly & Rocky 3rd rate.
	Timber, Cedar, scattering
	Mountainous land 79.80 chains.
	S 89°.54' W. on a random line bet. secs 6 & 7.
40.00	Set temporary 1/4 Sec. Cor.
79.50	Intersect W. bdy. of Tp. 15 lks S. of cor. to secs 1. 6. 7 & 12. as hereinbefore described
	thence I run
	East on a true line bet. secs 6 & 7.
	Enter scattering cedar & pine, ascend 50 ft.
7.00	Point of ridge, bears N.E. 2 chains. thence
	East. thence along ridge descending.
26.55	Ravine. course S.E. ascend
30.00	Top of ridge. bears E. from N.W. thence along top of ridge.
39.50	Set a sandstone 16 x 10 x 6 ins. 11 ins. in the ground, for 1/4 Sec. Cor. marked 1/4 on N. face; and raised a mound of stone 2 ft. base, 1 1/2 ft. high. N. of cor. Pits impracticable.
42.50	Descend along N. side of ridge.
63.05	Wood road, bears N.E. & S.W.
72.80	Same road, bears N.W. & S.E. cross ridge, falling N.E.
79.50	The cor. to secs 5. 6. 7 & 8.
	Land, broken.
	Soil - Gravelly & Rocky 3rd rate.
	Timber. Cedar, scattering
	Mountainous land 79.50 chains.
	N 0°.03' W. on a random line bet. secs 5 & 6.
40.00	Set temporary 1/4 Sec. Cor.
80.60	Intersect N. bdy. of Tp. 8 lks W. of cor. to secs 5. 6. 31 & 32. as hereinbefore described
	thence I run
	South on a true line bet. secs 5 & 6.
	Enter scattering cedars. descend 20 ft.
1.10	Bottom of Fork of Flat Cañon course S.E. ascend over ridges & gulches.

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See cor notes Book VII. page 493.

Subdivisions of T. 24 S. R. 3 W. Continued

Chains.	
38.00	Rocky gulch. course E.
40.60	Set a sandstone 18x12x5 ins. 12 ins. in the ground for 1/4 Sec. Cor. marked 1/4 on W. face and raised a mound of stone 2 ft. base 1½ ft. high. W. of cor. Pits impracticable.
70.50	Ridge. bears N.W. & S.E. descend 250 ft. to
75.00	Forks of Flat Cañon. course S 80° E. ascend
77.80	Point of ridge 200 ft. above Cañon. bears E. descend 40 ft. to
80.60	The cor. to Sec's 5.6.7 & 8.

Land, broken.
Soil. Rocky & poor.
Timber & Cedar. scattering
Mountainous land 80 chains.

October 29-1876.

General Description.

The land embraced in my survey in this township is all mountainous, and covered with scattering cedars. a part of which is unfit for agricultural or grazing purposes. but the greater portion is covered with a luxuriant growth of grasses which is used for summer pasture for stock owned by farmers in the adjacent valleys.

There is no water or mineral found in this part of the township.

There were no settlers on this land at the time I made the survey.

John T. Breckon
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 _____ base and _____ 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 _____ base and _____ 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, March 27th, 1897

The foregoing field notes of the survey of the subdivisions of Township 24 South, Range 3 West, of the Salt Lake Base and Meridian, Utah _____

executed by John T. Beecher _____
under his contract No. 205, dated January 4th, 189 6, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

George W. Snow
United States Surveyor General.

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

_____
United States Surveyor General.

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BOOK A-248

Corrective

No. 3.B.

FIELD NOTES

OF THE SURVEY OF THE

Subdivision of T. 24 S. R. 3 W.

Of the Salt Lake Base and Meridian,

State of Utah

AS SURVEYED BY

John T. Buckon, United States Deputy Surveyor,

Under his Contract No. 205, dated January 4, 1896

Conf. Hon. Commissioner's Letter "E" dated April 29, 1898.

Survey commenced May 18, 1898

Survey completed May 18, 1898

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NAMES AND DUTIES OF ASSISTANTS.

Alexander Morrison Chainman

Homer McCarty Chainman

Jared Wilkinson Axeman & Flagman

BOOK A-248

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

_____

_____, *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

Corrective Notes of Subdivision of T. 24 S. R. 3 W.

Chains	
	May 18th 1898. At 7h 05m A.M. I set off 38°45' on the lat: arc; 19° 40' N. on the decl. arc; and determine a true meridian with the solar at the cor. to Secs 1.7.18.19 & 20: which is one iron stone 7x12x8 ins. above ground, marked & witnessed as described in original field notes.
	Thence I run
	No°05' W. bet: Secs 1.7 & 18.
40.00	The 1/4 Sec. Cor. as described in original field notes.
80.00	The old cor. bears West 48 lks dist: I destroyed all traces of same and set a tracklyte 14x8x6 ins. 9 ins. in the ground for cor. to Secs 7.8.17 & 18. marked 4 notches on S. & 5 notches on E. edges; and raised a mound of stone 2 ft: base. 1½ ft: high W. of Cor. Pits impracticable.
	A cedar 12 ins. in diam. bears N49° E 42 lks dist: marked T. 24 S. R. 3 W. S. 8. B. T.
	A pine 6 ins. in diam. bears S68°50' W 55 lks dist: marked T. 24 S. R. 3 W. S. 18. B. T.
	No other bearing trees within limits.
	Topography as returned in original field notes.
	N 89°56' E. on a random line bet: Secs 8 & 17.
39.50	The 1/4 Sec. Cor. as described in original field notes.
79.62	Intersect E. & W. line at the cor. to Secs 8.9.16 & 17. as described in original field notes.
	Thence I run
	S 89°56' W. on a true line bet: Secs 8 & 17.
	Descend gradually
8.40	Descend steep slope
18.00	Flat: canon: course S. E. ascend
39.81	Set a sandstone 12x10x4 ins. 8 ins. in the ground for 1/4 Sec. Cor. marked 1/4 on N. face, and raised a mound of stone 2 ft: base 1½ ft: high W. of Cor. Pits impracticable.

Subdivision of T. 24 S. R. 3 W.

Chains	
	I destroyed all trace of old corner.
49.70	Ridge. bears N. & S. descend.
69.70	Gulch. course N. E. ascend.
75.35	Wood road. bears N. W. & S. E.
78.60	Ridge. bears N. & S. descend to
79.62	Lhs Cor. to Secs 7. 8. 17. & 18.
	Land. broken. Soil. Rocky 4th rate.
	Timber. Scattering cedars.
	Mountainous land. 78.62 chs.
	S 89°.54' W. on a random line bet. Secs 7 & 18
40.40	Lhs 1/4 Sec. Cor. as described in original field notes.
79.78	Intersect W. bdy of Tp. at cor. to Secs 7. 12. 13 & 18.
	thence I run
	N 89°.54' E. on a true line bet. Secs 7. & 18.
	Ascend gradually
15.50	Point of ridge. bears S. descend.
17.00	Gulch. course N. E.
28.00	Leave gulch. ascend.
39.78	Set a sandstone 14 x 8 x 6 ins. 10 ins. in the ground for 1/4 Sec. Cor. marked 1/4 on N. face; and raised a mound of stone 2 ft. base 1½ ft. high. I of Cor. Pits impracticable. I destroy all trace of old corner
48.00	Ridge. bears N. E. & S. W. descend
50.80	Gulch. course N. E. ascend.
57.80	Ridge. bears N. E. & S. W. descend.
72.90	Gulch. course N. E. ascend to
79.78	Lhs cor. to Secs 7. 8. 17 & 18.
	Land. broken. Soil. Rocky. 4th rate.
	Timber. Scattering cedars.
	Mountainous land 79.78 chs.
	N 0°.03' W. bet. Secs 7 & 8.
	Descend in scattering cedars & pines
3.04	Wood road. bears N. W. & S. E.
8.50	Ravine 100 ft. below Sec. Cor. course E. ascend
17.00	Ridge 100 ft. high. bears E. & W. descend
20.00	Ravine. course E. ascend.
28.00	Ridge. 200 ft. high. bears E. & W. descend.
35.00	Ravine. course E. ascend.
40.00	Lhs 1/4 Sec. Cor. bears S 74°.45' W 68 lks dist.

Corrective notes of Subdivision of T. 24 S. R. 5 W.

Chains	I destroy same & marks on bearing trees. & set a sandstone 16×10×4 ins. 11 ins. in the ground for 1/4 Sec. Cor. marked 1/4 on W. face; from which
	A cedar 10 ins. in diam. bears S 30° E. 10 lks dist. marked 1/4 S. 8. 13. T.
	A cedar 10 ins. in diam. bears N 55° 40' W 6 lks dist. marked 1/4 S. 7. 13. T.
61.00	Ridge bears E. & W. descend.
71.40	Dry wash 50 lks wide 3 ft. deep. in ravine course E.
78.65	Wood road bears E. & W.
80.00	The old cor. bears N 20° E 59 lks dist. I destroy all trace of same and set a sandstone 18×12×6 ins. 12 ins in the ground for cor. to Secs 5. 6. 7 & 8. marked 5 notches on S. & E. edges; and raised a mound of stone 2 ft. base, 1½ ft. high. W. of Cor. Pits impracticable.
	Land broken, soil rocky 4th rate.
	Timber cedars scattering. Mountainous land 80 chs
	N 89° 52' E. on a random line bet. Secs 5 & 8.
40.15	The 1/4 Sec. Cor. as described in original field notes, bears N. 22 lks dist.
49.96	Intersect W. & S. line 12 lks S. of the Cor. to Secs 4. 5. 8 & 9. which is an iron stone 8×9×8 ins. above ground, marked and witnessed as described in original field notes.
	Thence I run
	S 89° 47' W. on a true line bet. Secs 5. & 8.
	Ascend 80 ft. in scattering cedars
7.00	Top of rocky ridge. bears N. & S. descend
9.70	Wood road bears N. & S.
34.40	Top of ledges.
34.80	Foot of ledge. descend gradually.
39.98	Set a sandstone 16×10×7 ins. 11 ins. in the ground for 1/4 Sec. Cor. marked 1/4 on N. face; and raised a mound of stone 2 ft. base. 1½ ft. high. N. of Cor. Pits impracticable.

Corrective notes of Subdivision of T. 24 S. R. 3 W.

Chains	
	I destroy all trace of old corner.
42.50	Dry wash 50 lks wide 8 ft. deep in bottom of Flat Cañon, course S.
44.80	Wood road bears N.W. & S.E.
44.90	Dry wash 40 lks wide 5 ft. deep, course S.E. ascend.
49.30	Point of ridge 50 ft. high, bears N.E. descend
51.50	Dry wash 40 lks wide 5 ft. deep in gulch, course N.E. Old wood road in wash.
	thence in gulch.
70.30	Leave gulch, ascend N. side to
79.96	The cor. to Secs 5.6.7 & 8.
	Land broken. Soil Gravelly & Rocky 3rd rate.
	Timber Scattering cedars.
	Mountainous land 79.96 chains.
	Next on a random line bet. Secs 6 & 7.
40.00	The old 1/4 Sec. Cor. bears N. 3.14 chs.
79.54	Intersect W. bdy of Tp. 30 lks N. of the Cor. to Secs 5.6.7 & 12. which is a sandstone 6x8x6 ins. above ground, marked and witnessed as described in original field notes.
	thence I run
	N 89° 47' E. on a true line bet. Secs 6 & 7.
	Ascend 50 ft. in scattering cedars & pines.
7.00	Point of ridge, bears N.E. descend
31.10	Ravine, course S.E. ascend.
39.54	Set a sandstone 16x10x6 ins. 11 ins. in the ground, for 1/4 Sec. Cor. marked 1/4 on N. face; from which
	A cedar 10 ins. in diam. bears N 76 W 16 lks. dist. marked 1/4 S. 6. B.T.
	A pine 6 ins. in diam. bears S 20 W 37 lks dist. marked 1/4 S. 7. B.T.
	I destroy all trace of old corner.
51.00	Spur of ridge falls S. descend.
58.55	Wood road bears N.E. & S.W.
73.05	Same road, bears N.W. & S.E.
79.54	The cor. to Secs 5.6.7 & 8.
	Land broken. Soil rocky 4th rate.
	Timber Scattering cedars.
	Mountainous land 79.54 chs.

Corrective notes of Subdivision of T. 24. S. R. 3. W.

Chains	
	N 0°.03' W. on a random line bet. Secs 5 & 6.
40.00	Set temporary 1/4 Sec. Cor. I destroy all trace of old corner.
80.85	Intersect N. bdy. of Tp. 22 lks W. of Cor. to Secs 5.6.31 & 32. which is a sandstone 6x12x6 ins. above ground, marked and witnessed as described in original field notes.
	thence I run
	S 0°.06' W. on a true line bet. Secs 5 & 6.
	Enter scattering cedars & pines. descend
1.10	Fork of Flat Cañon, course S.E. ascend over broken ground
37.80	Rocky gulch. course E.
40.85	Set a sandstone 18x12x5 ins. 12 ins. in the ground for 1/4 Sec. Cor. marked 1/4 on W. face; and raised a mound of stone 2 ft. base, 1½ ft. high. W. of Cor. Pits impracticable
70.30	Ridge. bears N.W. & S.E. descend 250 ft.
74.95	Fork of Flat Cañon, course S 80° E. ascend 200 ft. to
79.30	Point of ridge. bears E. descend 60 ft. to
80.85	The cor. to Secs 5.6.7 & 8.
	Land. broken, Soil. Rocky. 4th rate.
	Timber. Scattering cedars.
	Mountainous land 80.85 chs.
	May 18" 1898.

John T. Breckon
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

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

.....

g 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

parts or portions of the .....

.....

.....

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

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

foregoing field notes as having been surveyed by him and under his direction; and that said survey

een in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the

monuments established, according to the instructions furnished by the United States Surveyor

al for .....

....., *Chainman.*

....., *Chainman.*

....., *Moundman.*

....., *Moundman.*

....., *Axman.*

....., *Axman.*

....., *Flagman.*

.....

ribed and sworn to before me this .....

ay of ....., 189

SEAL

.....

.....

BOOK A-248

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR

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

_____

_____

_____

_____ of the _____

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

_____
United States Deputy Surveyo[illegible]

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 8th, 1898

The foregoing field notes of the survey of Corrective the subdivisions of Township 24 S. R. 3 W. of the Salt Lake Base & Meridian Ut.

_____

_____

_____

_____

_____

executed by John T. Brecken under his contract No. 205, dated Jany 4th, 1896, having bee[illegible] critically examined, and the necessary corrections and explanations made, the said field notes, and th[illegible] surveys they describe, are hereby approved.

Jacob B. Blo[illegible]
United States Surveyor Genera[illegible]

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 Genera[illegible]

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(4—679.)

BOOK A-248

FIELD NOTES

OF THE SURVEY OF

5th Standard Parallel S.

Range 4 West

25 S 4 W

Of the Salt Lake Basin Meridian,

State of Utah.

AS SURVEYED BY

John T. Breckon, U. S. Deputy Surveyor,

Under his Contract No. 205, dated January 4" 1896.

Survey commenced November 10", 1896.

Survey completed November 11", 1896.

(12503—2,000.)

Standard high 1-79-60 M- chs. lks-

Names and Duties of Assistants.

John R. Bennett	Chainman
Constant Thurson	Chainman
Joshua Gardner	Chainman
C. Sorensen	Chainman
Edgar C. McCarty	Axeman

BOOK A-248

INDEX DIAGRAM.

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Meanders Page .....

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Preliminary Oaths of Assistants.

We, John R. Bennett, Constant Thueson, Joshua Gardner & C. Sorensen

do solemnly swear that we will well and faithfully execute the duties of chain carriers; that we will level the ch[illegible] over even and uneven ground, and plumb the tally-pins either by sticking or dropping the same; that we will re[illegible] the true distance to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of [illegible] skill and ability, and in accordance with instructions given us in the survey of the 5th Standard Parallel S. through Range 4 west

John R. Bennett, Chainman.
Constant Thueson, Chainman.
Joshua Gardner, Chainman.
C. Sorensen, Chainman.

Subscribed and sworn to before me this 22nd day of August, 1896.

Homer McCarty
Notary Public
My Commission Expires Nov. 26th 1897

~~We,~~ I Edgar C. McCarty

do solemnly swear that ~~we~~ I will well and truly perform the duties of axeman in the establishment of corners and othe[illegible] duties, according to instructions given ~~us~~ me, and to the best of ~~our~~ my skill and ability, in the survey of the 5th Standard Parallel S. through R. 4 W.

Subscribed and sworn to before me this 22nd day of August, 1896

Edgar C. McCarty, Axeman.
, Axeman.

Homer McCarty
Notary Public
My Commission Expires Nov. 26th 1897

Fifth Standard Parallel S. through R. 4. W.

Survey commenced November 10th 1876. and executed with a light mountain transit with solar attachment made by W. & L. E. Gurley.
The horizontal limb is provided with two opposite verniers reading to single minutes of arc, which is also the least count of the verniers of the latitude & declination arcs.
I begin at the Standard Corner to Secs 32 & 33, which is a trachyte 7x10 x 7 ins. above ground, marked & witnessed as described by the Surveyor General. Latitude 38° 36' N. Longitude 112° 15' W.
In order to test the solar apparatus by comparing the results of observations on the sun, made during A. M. & P. M. hours with a true meridian determined by observations on Polaris, I proceed as follows:
At 4h 10m P. M. L. m. t. I set off 38° 36' on the lat. arc; 17° 28' S. on the decl. arc; and mark the true meridian thus determined with the solar, by a cross on a stone firmly set in the ground 3.00 chs. N. of the corner.
At 10h 00m P. M. L. m. t. I observe Polaris at its Upper Culmination in accordance with the Manual, the line thus determined falls in the cross determined by the solar on stone set 3.00 chs. N. of my station.
N. November 10-1876.

November 11 - At 8h 05m A. M. L. m. t. I set off 38° 36' on the lat. arc; 17° 40' S. on the decl. arc; and mark the true meridian determined with the solar, by a cross on the stone already set 3.00 chs. N. of my station; this mark falls 0.05 ins. east of the true meridian established by the solar & Polaris observations.
The solar apparatus by P. M. & A. M. observations, defines positions for true

Fifth Standard Parallel S. through R. 4 W. continued

Chains	
	meridians. the P. M. observation agreeing with, and the A. M. observation about 0'.5" east of the meridian established by the Polaris observation. Therefore I conclude that the adjustments of the instrument are satisfactory.
	The magnetic bearing of the true meridian at 9h A. M. is N 16°.09' W. the angle thus determined, reduced by the table, page 100. gives the mean mag. decl. 16°.0' E.
	From the Standard Cor. above described I run
	West along the S. bdy. of Sec. 32.
	Descend over rocky ground in scattering cedars
3.00	Gulch course S. ascend
9.00	Point of ridge, bears S. W. descend 600 ft. to
19.00	Leave cedars, enter dense undergrowth
20.50	Rio Grande Western Railroad, bears N. and S. enter bottom of Cottonwood timber.
25.20	Sevier River 55 lks wide. 2 ft. deep, flows N. leave Cottonwood timber and brush.
27.50	Road. bears N. and S. enter scattering cedars. Ascend
	Difference between measurements of 40.00 chs; by two sets of chainmen is 16 lks. position of middle point
	By 1st set 39.92 chs.
	By 2nd set 40.08 chs. the mean of which is
40.00	Set a Sandstone 18x14x8 ins. 12 ins. in the ground, for Standard 1/4 Sec. Cor. marked S. C. 1/4 on N. face; and raise a mound of stone 2 ft. base, 1½ ft. high N. of cor. Pits impracticable.
40.50	Foot of rocky ridge, 800 ft. above river. bears N. and S. descend along S. slope over rocky ledges and gulches
57.00	Rocky gulch 100 ft. deep, ascend
63.00	Rocky point bears S. E. descend.
64.00	Rocky gulch 80 ft. deep course S. E. ascend
	Difference between measurements of 80.00 chs. by two sets of chainmen is 20 lks; position of middle point

Fifth Standard Parallel S. through R. 4 W. Continued.

Chains	
	By 1st set 79.90 chs.
	By 2nd set 80.10 chs. the mean of which is
80.00	Set a Sandstone 18×16×10 ins. 12 ins. in the ground for standard Cor. of Secs 31 and 32. marked S.C. on N. with 5 grooves on E. and 1 groove on W. faces; and raised a mound of stone 2 ft. base. 1½ ft. high. N. of Cor. Pits impracticable.
	Land. broken
	Soil. Rocky. 4th rate.
	Timber. Cedars & Cottonwood, Dense brush 6.20 chs.
	Mountainous land 80 chains.
	West on S. bdy. of Sec. 31.
	Ascend in scattering Cedars
1.20	Top of ridge. 50 ft. above sec. Cor. bears N.E. and S.W. descend
5.00	Head of gulch. course N. ascend
13.00	Top of ridge. bears N.E. descend
16.00	Gulch. course N.E. ascend.
19.00	Point of ridge. bears N.E. descend
25.00	Gulch. course N.E. ascend
28.00	Top of ridge. bears N.E. and S.W. descend
39.90	Gulch. course N. ascend.
	Difference between measurements of 40.00 chs. is 8 lks; position of middle point
	By 1st set 39.96 chs.
	By 2nd set 40.04 chs. the mean of which is
40.00	Set a Sandstone 18×14×7 ins. 12 ins. in the ground for standard ¼ Sec. Cor. marked S.C. ¼ on N. face; and raised a mound of stone. 2 ft. base. 1½ ft. high. N. of cor. Pits impracticable.
	November 11. At this Standard ¼ Sec. Cor. on the S. side of Sec. 31. I set off 17°44' S. on the decl. arc; and at 12 M. Lm. t. observe the sun on the meridian. the resulting lat. is 38°36'.
42.00	Point of ridge. bears N. descend.
48.00	Ravine. course N.E.
48.25	Road N.E. and S.W.

Fifth Standard Parallel N. through R. 2 W. continued

Chains	
49.80	Dry wash 25 lks wide 2 ft. deep course N.E. Ascend.
51.00	Sandstone bluff 100 ft. high. bears N.E. & W.
53.50	Rocky point S. descend
55.50	Rocky gulch. S. ascend S. slope of ridge
79.60	Intersect the Standard Cor. to S. 25. S. R. 4 E. & 4½ W. which is a granite 12 x 20 x 15 ins. above ground marked & witnessed as described by the Surveyor General. difference between measurements by two sets of chainmen is 8 lks. position of middle point By 1st set 79.64 chs. By 2nd set 79.56 chs. the mean of which is
79.60	The Standard Cor. to S. 25. S. R. 4 E. & 4½ W.

Land. broken.
Soil. Rocky & sandy.
Timber. scattering cedars.
Mountainous land 79.60 chains.

November 11-1896.

General Description

For General Description See subdivisions of S. 26. S. R. 4 W.

John T. Brecken
U. S. Deputy Surveyor

List of Names.

A list of the names of the individuals employed by John T. Breckon, U. S. Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the survey of the 5th Standard Parallel S. through Range 4 W.

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

John R. Bennett Chainman
Joshua Gardner Chainman
Constant Thueson Chainman
E. Sorenson Chainman
Edgar C. McCarty Axeman

Final Oath of Assistants:

We hereby certify that we assisted John T. Breckon, U. S. Deputy Surveyor, in surveying all those parts or portions of the 5th Standard Parallel S. through R. 4 W.

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

John R Bennett Chainman
Constant Thueson Chainman
Chris Sorensen Chainman
Edgar C. McCarty Axeman
Joshua Gardner Chainman

Subscribed and sworn to before me this 23rd day of November, 1896

SEAL

Homer McCarty
Notary Public
My Commission expires Nov. 26th, 1899

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BOOK A-248

Final Oath of U. S. Deputy Surveyor.

I, ..., U. S. Deputy Su...

solemnly swear that, in pursuance of instructions received from .....

Surveyor General for ....., bearing date of the .....

....., 18 , I have well, faithfully, and truly, in my own proper person, and ...

conformity with the instructions furnished by the U. S. Surveyor General for .....

surveying manual, and the laws of the United States, surveyed all those parts or portions of .....

.....

.....

.....

.....

.....Meridian, in the....., as are represented in the fo...

going field notes as having been surveyed by me, and under my directions; and I do further solemnly swear that ...

the corners of said survey have been established and perpetuated in strict accordance with the surveying manu...

printed instructions, the special written instructions of the U. S. Surveyor General for.....

and in the specific manner described in the field notes, and that the foregoing are the true field notes of such survey...

and should any fraud be detected, I will suffer the penalty of perjury under the provisions of an Act of Congre...

approved August 8, 1846.

.....

U. S. Deputy Surveyor.

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

day of ....., 18 .

SEAL

.....

.....

Approval.

Office of the U. S. Surveyor General,

Salt Lake City, Utah, March 27, 1897.

The foregoing field notes of the survey of the 5th Standard Parallel South Range 4 West of the Salt Lake Base and Meridian, Utah

.....

.....

.....

.....

.....executed by

John T. Breckon

under his Contract No. 205, dated January 4th, 1896, having been critically examined, the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

George W. Snow

U. S. Surveyor General.

I certify that the foregoing transcript of the field notes of the above-described surveys in .....

....., has been correctly copied from the original notes on file in this office.

.....

U. S. Surveyor General.

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Examined 7-24

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BOOK A-248

K.J.B.

FIELD NOTES

OF THE SURVEY OF

Part of the Subdivisions of T25 S. R. 4 W.

Of the Salt Lake Base & Meridian,

State of Utah

AS SURVEYED BY

John T. Breckon, United States Deputy Surveyor,

Under his Contract No. 205, dated January 4th, 1896

Survey commenced November 11th, 1896

Survey completed November 11th, 1896

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Subs - high m. chs. lks. 0 - 45 - 50

BOOK A-248

Names and Duties of Assistants.

Joshua Gardner Chainman

Chris. Lorensen Chainman

Chas. Thomson Axeman

Volume
#
R0248

BOOK A-248

INDEX DIAGRAM.

Township 25 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
chain upon 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
measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey
_____

_____, *Chainman.*

_____, *Chainman.*

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

_____

SEAL

_____

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

_____, *Moundman.*

_____, *Moundman.*

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

_____

SEAL

_____

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

_____, *Axman.*

_____, *Axman.*

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

_____

SEAL

_____

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

_____, *Flagman.*

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

_____

SEAL

_____

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

Chains	
	Survey commenced November 11 1876 with Gurley mountain transit with solar attachment.
	From the Witness Cor. to the 1/4 Sec. Cor. bet: secs 31 & 32. which is a stationary limestone 4 x 3 x 2 ft: above ground, marked and witnessed as described by the Surveyor
	General I run
	South on a random line bet: secs 31 & 32.
5.50	Set temporary 1/4 Sec. Cor.
45.50	Intersect the 5th Standard Parallel S. at the Standard Cor. to Secs 31 & 32.
	thence I run
	North on a true line bet: secs 31 & 32.
	Enter scattering Cedars. ascend 75 ft to
4.10	Top of ridge. bears N.E. & S.W. descend
31.50	Gulch. course N.E. ascend
40.00	Point of ridge 100 ft: high. bears N.E.
	Set a sandstone 15 x 12 x 8 ins. 10 ins. in the ground for 1/4 Sec. Cor. marked 1/4 on W. face; and raised a mound of stone 2 ft: base. 1 1/2 ft: high. W of cor. Pits impracticable.
	descend to
45.50	The Witness corner as before described
	Land. broken.
	Soil. Rocky 4th rate.
	Timber. Scattering cedars.
	Mountainous land 45.50 chains.

General Description

The land embraced in my survey in this township is all mountainous; unfit for agriculture but is good grazing.

There are no settlers in this part of the township. Clear Creek runs easterly through the north part of secs 31 & 32, and empties into the Sevier River which runs northerly through the East half of Sec. 32.

There are no indications of mineral in this part of the township.

John T Breckon
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 _____ base and _____ 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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BOOK A-248

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 _____ base and _____ 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 Mch 27th, 1897

The foregoing field notes of the survey of the Subdivision of Township 25 South Range 4 West of the Salt Lake Base & Meridian Utah

executed by John F. Brecken under his contract No. 205, dated Jany 4th, 1896, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

George W. Snow
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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