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R0344

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PRELIMINARY OATHS OF ASSISTANTS.

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

.....

....., *Chainman.*

....., *Chainman.*

Subscribed and sworn to before me this .....
day of ....., 190

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 ....., 190

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 ....., 190

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 ....., 190

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 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 ....., 190

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 ....., 190

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 ....., 190

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 ....., 190

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 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 ....., 190

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 ....., 190

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 ....., 190

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 ....., 190

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 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 ....., 190

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 ....., 190

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 ....., 190

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 ....., 190

SEAL

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Range Corrected

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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 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 ....., 190

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 ....., 190

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 ....., 190

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 ....., 190

SEAL

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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 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 ....., 190

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 ....., 190

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 ....., 190

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 ....., 190

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 t
chain upon 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 ....., 190

SEAL

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

..... , *Monumen*

..... , *Monumen*

Subscribed and sworn to before me this .....
day of ....., 190

SEAL

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

..... , *Axma*

..... , *Axma*

Subscribed and sworn to before me this .....
day of ....., 190

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 ....., 190

SEAL

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BOOK A-344

a.

FIELD NOTES

OF THE RE SURVEY OF THE

NORTH AND EAST BOUNDARIES

O F

TOWNSHIP NO. 10 SOUTH,

RANGE NO. 5 WEST

Of the SALT LAKE BASE AND *Meridian,*

U T A H,

AS SURVEYED BY

Alonzo J. Stookey, *United States Deputy Surveyor,*

nder his Contract No. 296, *dated* March 21, *190* 7.

rvey commenced May 29, *190* 7.

rvey completed May 31, *190* 7.

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N Bdy Rt Line 1-4-05 ✓
" Res Sup 1-0-00 ✓
E " Res Sup 2-00-00 ✓

Doc A-344

NAMES AND DUTIES OF ASSISTANTS.

Ralph Gentry,	Chainman.
Asael Tanner,	Chainman.
Lionel J. Stookey,	Moundman.
Richard Orr,	Moundman.
Warren Eyman,	Flagman.

Bet Bdys

BOOK A-344

INDEX DIAGRAM.

Township 10 South, *Range* 5 West

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Meanders Page

PRELIMINARY OATHS OF ASSISTANTS.

We, Ralph Gentry and Asael Tanner 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 re survey of the E.Bdy.T.10 S., R. 5 W. and retracement of W.Bdy.T.10 S.R.6 W. and N.Bdy.T.10 S., R. 5 W.of the Salt Lake Base and Meridian,Utah

Asael Tanner, Chainman.

Ralph Gentry, Chainman.

Subscribed and sworn to before me this 29th day of May, 190 7.

SEAL

Lionel J. Stookey
U.S.Deputy Surveyor.

We, Lionel J.Stookey and Richard Orr 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 re survey of the E.Bdy.T.10 S., R. 5 W. and retracement of W.Bdy.T.10 S., R.6 W.and N.Bdy.T.10 S., R. 5 W.of the Salt Lake Base and Meridian, Utah.

Lionel J. Stookey, Moundman.

Richard Orr, Moundman.

Subscribed and sworn to before me this 29th day of May, 190 7.

SEAL

Lionel J. Stookey
U.S.Deputy Surveyor.

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 ....., 190

SEAL

I, Warren Ryman, 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 re survey of the E.Bdy.T.10 S., R. 5 W.;retracement of W.Bdy.T.10 S., R. 6 W. and N.Bdy.T.10 S., R. 5 W.of the Salt Lake Base and Meridian,Utah.

Warren Ryman, Flagman.

Subscribed and sworn to before me this 29th day of May, 190 7.

SEAL

Lionel J. Stookey
U.S.Deputy Surveyor.

RESURVEY NORTH BOUNDARY T.10 S.,R.5 W.

Chains. Survey commenced May 29, 1907, and executed with a W. & L.E.Gurley light mountain transit,with solar attachment. The horizontal limb is provided with two double verniers placed opposite each other and reading to single minutes of arc. which is also the least count of the verniers of the latitude and declination arcs.

The instrument was examined, tested on the true meridian at Salt Lake City, found correct, and was approved by the surveyor general for Utah May 23, 1907.

Sky overcast was unable to make complete test of instrument prior to commencing survey. For complete test see resurvey E.Bdy.(this book),made prior to the resurvey of the E.bdy.of this township.

Knowing from previous surveys the locations of the corner.of secs.5,6,31, and 32 on N.bdy.of this township and that some of the corners on the surveyed portion of said line are in a dilapidated condition and others entirely missing, I,therefore, before proceeding to survey the unsurveyed portion of said north bdy. proceed to resurvey it as follows:

May 29: At 0 h.57 m.p.m.l.m.t.I set off 39° 59' on lat.arc, 21° 33'N.on decl.arc; and determine a meridian with the solar at the cor.of secs.5,6,31, and 32 on the north bdy.of the township, which is a quartzite stone 18x10x8 ins.above ground marked 1 notch on W. and 5 notches on E.edges, west of which I raise a mound of stone 2 ft.base, 1½ ft.high as witness.

Thence I run to determine location of township cor. West on random retracement line bet.secs.6 and 31

40.00 I find no trace of old ¼ sec.cor. Set temp.¼ sec.cor.

81.05 Intersect remains of old township corner, which I destroy and re-establish in original position by setting a quzrtzite stone 15x8x5 ins.10 ins.in the ground for cor.of Tps.9 and 10 S., Rs.5 and 6 W.

RESURVEY OF NORTH BOUNDARY T. 10 S., R. 5 W.

Chains.	
	marked with 6 notches on each edge;
	9 S.on NE
	5 W on SE,
	10 S on SW and
	6 W on NW.face; and raise a mound of stone 5 ft. base, 2½ ft.high S.of cor.
	This cor.is on E.face of quartzite hill.
	Thence I run
	East on a true line bet.secs.6 and 31
	Over rolling land, through dense sagebrush; descending.
6.20	Bottom of hollow 75 ft.below cor., drains N.35° E.
	Ascend gently.
16.50	Top of ascent 50 ft.above hollow, bears N.30° E. and S.30° W.
	Descend.
22.00	Bottom of hollow, 50 ft.deep, drains N.33° E.
	Ascend gently.
25.50	Top of ascent bears N.30° E. and S.30° W. Descend.
40.52½	Set a quartzite stone 14x8x5 ins., 9 ins.in the ground for ¼ sec.cor., marked ¼ on N.face; and raise a mound of stones 2 ft.base, 1½ ft.high N.of cor.Pits impracticable.
47.46	Stream 4 lks.wide, 3 ins.deep, drains N.30° E.
81.05	The cor.of secs.5,6,31, and 32.
	Land, rolling.
	Soil, stony and loam; 3d and 1st rate.
	No timber.
	Undergrowth sagebrush.
	Land covered with dense undergrowth 81.05 chs.
	East bet.secs.5 and 32, [illegible]
	Over rolling bench; through dense sagebrush.
2.10	Dutch Creek 5 lks.wide, 5 ins.deep, drains N.28° E.

RESURVEY OF NORTH BDY.T. 10 S., R. 5 W.

Chains.	
6.80	Wood road bears N.28° E. and S.28° W.
30.10	Stream 3 lks.wide, 2 ins.deep, flows N.
40.09	Intersect the old ¼ sec.cor., which is a quartzite stone 10x8x5 ins., from which marks are obliterated. I destroy this cor. and [illegible]
	Set a quartzite stone 15x8x5 ins., 10 ins.in the ground, marked ¼ on N.face; and raise a mound of stones 2 ft.base, 1½ ft.high N.of cor.Pits impracticable.
40.25	Wood road bears N.10° E. and S.10° W.
40.85	Irrigation ditch 2 ft.wide, 6 ins.deep, drains N.10° E.
43.00	Begin descent bearing N. and S.
46.45	Stream, 6 lks.wide, 5 ins.dee, drains N.
	Ascend.
49.50	Top of ascent bearing N. and S. ; thence over undulating ground; through scattering cedars.
80.00	Falls on side of wash. No trace of old cor.
	Set a sandstone 14x10x5 ins., 8 ins.in the ground, for cor.of secs.4,5,32, and 33, marked with 2 notches on W. and 4 notches on E.edges, and raise a mound of stones 2 ft.base, 1½ ft.high W.of cor.Pits impracticable.
	A cedar 10 ins.dia.bears S.45° W. 45 lks.dist. marked T 10 S R 5 W S 5 B T
	A cedar 18 ins.diam.bears N. 55° W. 1.15 chs. dist., marked T 9 S R 5 W S 32 B T
	No other bearing trees within limits.
	Land rolling.
	Soil, stony and loam; 3d and 1st rate.
	Timber, scattering cedars.
	Undergrowth sagebrush.
	Land covered with dense undergrowth 80.00 chs.

RESURVEY OF NORTH BDY.T. 10 S., R. 5 W.

Chains.	East bet.secs.4 and 33,
	Over undulating ground; through dense sagebrush and scattering cedars.
0.10	Wash 4 ft.deep, drains N.
40.00	No trace of old ¼ sec.cor.
	Set a quartzite stone 15x8x5 ins., 10 ins.in the ground for ¼ sec.cor., marked ¼ on N.face; from which
	A cedar, 6 ins.dia.bears N.82° E. 25 lks.dist. marked ¼ S 33 B T
	A cedar 10 ins.dia.bears S.62° E. 78 lks.dist. marked ¼ S 4 B T
	Land, undulating.
	Soil, clay; 2d rate.
	Timber, cedar.
	Undergrowth sagebrush.
	Land covered with dense undergrowth 40.00 chs.
	May 29, 1907.

RESURVEY OF EAST BDY. T. 10 S., R. 5 W.

Chains. Survey commenced May 30, 1907, and executed with the instrument described in resurvey of N.bdy.this Tp. (this book).

I commence at the standard corner of Townships 10 & 11 S. Rs.4 and 5 W., which is a limestone very much decomposed; which I destroy and re-establish at same point by setting a granite stone 16x10x8 ins., 11 ins.in the ground, marked S C on N., with 6 grooves on on N. E. and W.faces;

S C 10 S on N.

4 W on E. and

5 W on W.faces; and raise a mound of stone 2 ft. base, 1½ ft.high N.of cor.Pits impracticable.

At 4 h. 0 m.p.m.l.m.t.lat.39° 53' 53" N., long.112° 20' 49" W., I set off 39° 54'N.on lat.arc; 21° 44'N.on decl.arc and determine with the solar a meridian and mark a point thereof on a stone firmly set in the ground 5 chs.N.of the cor.

May 30, 1907.

May 31: At 2 h. 58 m.a.m.local mean time, I observe Polaris at eastern elongation, in accordance with Manual of Instructions, and mark a point in the line thus determined on a peg driven in the ground, 5 chs. N.of my station.

At 7 h. 0 m.a.m.l.m.t.I lay off the azimuth of Polaris 1° 33' to the west, and mark the meridian thus determined by cutting a small groove in the stone set this a.m., on which the meridian falls 0.4 ins.east of the mark determined by the solar.

At 7 h. 27m a.m.l.m.t.I set off 39° 54'on lat.arc; 21° 50' N.on decl.arc; andmark a point in the meridian determined with the solar, by a cross on the stone

RESURVEY EAST BDY.T. 10 S., R. 5 W.

Chains.	
	already set 5 chs.N.of my station; this mark falls 0.4 ins. east of the meridian established by the Polaris observation.
	The solar apparatus by p.m.and a.m.observations defines positions for meridians respectively about 0'21"west and 0' 21" 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 8 h.0 m. a.m. is 17° 28'W. ; the angle thus determined gives the mag.decl.17° 28'E.
	From the standard township cor.already described I run North bet.secs.31 and 36,
	Over rolling mountainous land, along W.slope of ridge.
30.00	From this point a small stream known as Head Waters, bears S.85° W. 25 chs.dist.
40.00	No trace of old ¼ sec.cor. after diligent search
	Set a quartzite stone 18x12x6 ins., 12 ins.in the ground for ¼ sec.cor., marked ¼ on W.face; and raise a mound of stones 2 ft.base, 1½ ft.high W.of cor.Pits impracticable.
	From this point bottom of ravine and small stream 60 lks.west.
50.00	Stream 1 ch.west, runs in a very sinuous course about N.45° W.
55.00	Begin steep ascent of spur.
60.00	Top of spur, 150 ft.high, bears E. and W.
	Descend.
64.46	Bottom of hollow, draining west.
	Begin abrupt ascent; enter scattering cedars.
80.00	Top of ascent bears E. and W.
	No trace of old sec.cor. after diligent search
	Set a limestone 18x6x6 ins., 12 ins.in the ground, for cor.of secs.25,30,31, and 36, marked with 1 notch on S. and 5 notches on N.edges; from which

RESURVEY OF EAST BDY. T. 10 S., R. 5 W.

Chains.	
	A cedar 24 ins.diam.bears N.51° E. 85 lks.dist. marked T 10 S R 4 W S 30 B T
	A cedar 10 ins.diam.bears S.43° W. 60 lks.dist. marked T 10 S R 5 W S 36 B T
	No other bearing trees within limits; raise a mound of stones 2 ft.base, 1½ ft.high W.of cor.Pits impracticable.
	Land, mountainous and broken.
	Soil, stony; 3d rate.
	Timber scattering cedar.
	Mountainous land 80.00 chs.
	North bet.secs.25 and 30,
	Over mountainous land along steep W.face of mountain.
8.00	Begin descent.
36.00	Foot of steep descent, bears E. and W.
	Enter bottom of canyon, in dense sagebrush.
40.00	No trace of old ¼ sec.cor., after diligent search.
	Set a quartzite stone 18x8x6 ins., 12 ins.in the ground for ¼ sec.cor., marked ¼ on W.face; and raise a mound of stones 2 ft.base, 1½ ft.high W.of cor. Pits impracticable.
40.90	Road, Cherry Creek to Vernon, bears E. and W.
42.00	Stream 2 lks.wide, 2 ins.deep, drains west, 400 ft.below sec.cor.
46.00	From this point bottom of canyon and stream lies west about 1.75 chs.
52.00	Road, Cherry Creek to Vernon, bears N.65° W. and S.65° E.
56.00	Begin ascent of mountain bearing N.38° W. and S.38° E.
80.00	No trace of old sec.cor., after diligent search.
	Set a quartzite stone 18x7x6 ins., 12 ins.in the ground for cor.of secs.19.24.25 and 30,marked with 2 notches

Chains.

on S. and 4 notches on N.edges; and raise a mound of stones 2 ft.base, 1½ ft.high W.of cor.Pits impracticable.

Land mountainous.

Soil, stony and loam; 3d and 1st rate.

Timber scattering cedars. Undergrowth sagebrush.

Mountainous land and dense undergrowth 80.00 chs.

May 31: At this cor.I set off 21° 51'N.on decl.arc; and at 11 h. 57 m. a.m.l.m.t.observe the sun on the meridian; the resulting lat.is 39° 56'

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

Alonzo J. Stookey

U.S.Deputy Surveyor.

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

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

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

.....

lowing the respective capacities in which they acted:

or list of names and final oaths of assistants, see book "H", *Chainman.*

Tp.10 S., R. 6 W. ....., *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 ....., 190

SEAL

.....

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BOOK A-344

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 _____, 190 , 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 _____

For final affidavit see book "H" T. 10 S., R. 6 W.

_____ 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.

_____
United States Deputy Surveyor.

Subscribed by said _____, and sworn to before me this _____ day of _____, 190

SEAL

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, May 8, 190 8.

The foregoing field notes of the resurvey of the East and North Boundaries of Township No. 10 S., Range No. 5 West of the Salt Lake Base and Meridian, Utah.

executed by Alonzo J. Stookey under his contract No. 286 dated March 21, 1907, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the resurveys they describe, are hereby approved.

Thomas Hall
United States Surveyor General.

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

_____
United States Surveyor General.

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PAGE

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4—679.

BOOK A-344

B.

FIELD NOTES

OF THE SURVEY OF THE

FRACTIONAL EAST AND NORTH BOUNDARIES

O F

TOWNSHIP NO. 10 SOUTH

RANGE NO. 5 WEST

Of the SALT LAKE BASE AND *Meridian,*

U T A H

AS SURVEYED BY

Alonzo J. Stookey, *United States Deputy Surveyor,*

under his Contract No. 396, *dated* March 21, *190*7

Survey commenced June 1, *190*7.

Survey completed June 4, *190*7.

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NAMES AND DUTIES OF ASSISTANTS.

Ralph Gentry,	Chainman.
Asael Tanner,	Chainman.
Lionel J. Stookey,	Moundman.
Richar Orr	Moundman.
Warren Hymen,	Flagman.

BOOK A-344

INDEX DIAGRAM.

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

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

Meanders Page.....

PRELIMINARY OATHS OF ASSISTANTS.

We, Ralph Gentry and Asael Tanner 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 the S.E.and N.Bdys.T. 4 S.R.19 W.;E.and N.Bdys.T.3 S.R.19 W.;the range line T.2 S., bet.Rs.18 and 19 W.; and fractional E.and N.Bdys.Tps10 S.R.5 W.of the Salt Lake Base and Meridian, Utah.

Asael Tanner, Chainman.

Ralph Gentry, Chainman.

Subscribed and sworn to before me this 29th day of May, 190 7.

SEAL

Lionel J. Stookey
U.S.Deputy Surveyor.

We, Richard Orr and Lionel J.Stookey do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey of the S.E.and N.Bdys.T.4 S.,R.19 W.; E.and N.Bdys.T.3 S.R.19 W.; the rang line T.2 S.bet.Rs.18 and 19 W.; and fractional E.and N.Bdys.Tp10 S.R.5 W.of the Salt Lake Base and Meridian, Utah.

Lionel J. Stookey, Moundman.

Richard Orr, Moundman.

Subscribed and sworn to before me this 29th day of May, 190 7.

SEAL

Lionel J. Stookey
U.S.Deputy Surveyor.

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 ....., 190

SEAL

I, Warren Eyman, do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of the S. E.and N.Bdys.T.4 S.R.19 W.;E.and N.Bdys.T. 3 S.R.19 W.; the range line T.2 S. bet.Rs.18 and 19 W.; and fractional E.and N.Bdys. T.10 S., R.5 W.of the Salt Lake Base and Meridian, Utah.

Warren Eyman, Flagman.

Subscribed and sworn to before me this 29th day of May, 190 7.

SEAL

Lionel J. Stookey
U.S.Deputy Surveyor.

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EAST BOUNDARY T. 10 S., R. 5 W.

Chains	
	Survey commenced June 1, 1907, and executed with the instrument described in book "A" of this survey.
	At 6 h. 57 m.a.m.l.m.t.I set off 39° 56' on lat.arc; 21° 58' N.on decl.arc; and determine a meridian with the solar at the cor.of secs.19,24,25, and 30, as re-established by me and heretofore described.
	Thence I run
	North bet.secs.19 and 24,
	Over mountainous land, through scattering cedars; ascending.
14.00	Top of ascent, bears E. and W., 200 ft.above cor.
	Descend.
20.00	Hollow, drains west, 100 ft.below ridge.
	Ascend.
31.00	Top of ridge bears E. and W., 200 ft.above hollow.
	Descend.
37.00	Hollow drains west, 200 ft.below ridge.
	Ascend.
40.00	Set a limestone 15x12x8 ins., 10 ins.in the ground,for ¼ sec.cor., marked ¼ on W.face; from which
	A cedar 12 ins.dia.bears N.30° E. 10 lks.dist. marked ¼ S 19 B T
	A cedar 10 ins.diam.bears S.30° W. 20 lks.dist. marked ¼ S 24 B T
60.00	Top of ridge, bears E. and W., 180 ft.above hollow.
	Descend.
73.13	Bottom of hollow, 225 ft.below ridge, drains west.
	Ascend over quartzite boulders.
80.00	Falls on top of quartzite pinnacle,
	Set a quartzite stone 18x6x6 ins., in mound of stones for cor.of secs.13,18,19, and 24, marked with 3 notches on N. and S.edges; and raise a mound of stones 2 ft.base, 1½ ft.high W.of cor.Pits impracticable.

EAST BOUNDARY T. 10 S., R. 5 W.

Chains. Land, mountainous.

Soil, stony; 3d rate.

Timber cedars.

Mountainous land 80.00 chs.

North bet.secs.13 and 18,

Over mountainous land; through scattering pine and cedar and choke cherry undergrowth; down steep cliff.

3.00 Foot of descent to hollow drains S.40° W.

Ascend over ledges.

22.00 Top of ascent bears E. and W., 200 ft.above cor.

Saddle 4 chs.E. Descend.

31.30 Bottom of hollow drains W., 150 ft.below ridge.

Ascend through very fine cedar timber.

40.00 Set a quartzite stone 18x10x6 ins., 12 ins.in the ground for ¼ sec.cor., marked ¼ on W.face; and raise a mound of stones 2 ft.base, 1½ ft.high W.of cor.Pits impracticable. No bearing trees within limits.

See Corrective Notes Book 5 Page 2. Page 5

70.00 Top of ascent, bears E. and W., 200 ft.above hollow.

Thence along W.face of mountain.

78.00 Ravine, 50 ft.deep, drains W. Ascend.

80.00 Set a quartzite stone 15x7x6 ins., 10 ins.in the ground for 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 stones 2 ft.base, 1½ ft.high W.of cor.Pits impracticable.

Land, mountainous.

Soil, stony; 3d rate.

Timber cedar and pine. Undergrowth chokecherry.

Mountainous land 80.00 chs.

June 1: At this cor. I set off 21° 59'N.on the decl.arc; and at 11 h. 57 m.a.m.l.m.t.observe the sun on the

EAST.BOUNDARY: T.10 S., R. 5 W.

Chains.	meridian; the resulting lat.is 39° 58'
	North bet.secs.7 and 12,
	Over mountainous land, through sage, serviceberry, scattering pine and cedar timber; ascending.
2.60	Top of quartzite ridge, bears E. and W.
4.90	Ravine 75 ft.deep, course N.75° W. Ascend.
19.00	Top of ascent bears E. and W., 200 ft.above ravine.
	Thence along W.face. Descend.
39.00	Begin steep descent, bearing E. and W.
40.00	Set a quartzite stone 15x10x5 ins., 10 ins.in the ground for ¼ sec.cor., marked ¼ on W.face; from which
	A cedar 12 ins.dia.bears S.15° W. 1 ch.dist. marked ¼ S 12 B T.
	A cedar 12 ins.dia.bears S.10° E. 1.30 chs.dist. marked ¼ S 7 B T
	From this cor.Sable's Peak bears S.45° E.about 15 chs. dist.
52.60	Bottom of hollow, drains W., 300 ft.below ¼ sec.cor.
71.50	Top of quartzite ridge bears N.45° W. and S.45° E. 180 ft.above hollow.
	Begin abrupt descent; leave timber.
80.00	Set a quartzite stone 16x10x4 ins., 11 ins.in the ground for cor.of secs.1,6,7, and 12, marked with 1 notch on N. and 5 notches on S.edges; and raise a mound of stones 2 ft.base, 1½ ft.high W.of cor.Pits impracticable.
	Land, mountainous.
	Soil, stony; 3d rate.
	Timber, pine and cedars, scattering.
	Undergrowth sage, serviceberry .
	Mountainous land 80.00 chs.

See Corner Notes Book Page 3

EAST BOUNDARY T. 10 S., R. 5 WEST.

Chains. North bet.secs.1 and 6,

Over mountainous land; through sagebrush; descending abruptly.

10.00 Foot of abrupt descent, 300 ft.below ridge; thence descend gently.

40.00 Set a quartzite stone 15x7x6 ins., 10 ins.in the ground for ¼ sec.cor., marked ¼ on W.face; and raise a mound of stones 2 ft.base, 1½ ft.high W.of cor.Pits impracticable.This cor.afterwards destroyed, see notes N. bdy.

80.00 Set temp. cor.for Tps.9 and 10 S., Rs. 4 and 5 W.

Permanent cor.set in the survey of N.bdy.of this Tp. at 35.30 chs.

Land mountainous.

Soil, stony; 3d rate.

No timber.

Undergrowth sagebrush.

Mountainous land, 35.30 chs.

June 1, 1907.

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

NORTH BOUNDARY T. 10 S., R. 5 W.

Chains. June 3: At 6 h. 58 m.a.m.l.m.t.I set off 39° 59' on lat. arc; 22° 14'N.on decl.arc; and determine a meridian with the solar at the temp.cor.of Tps.9 and 10 S., Rs.4 and 5 W. set by me in the survey.of the E.bdy.

Thence I run

West on a random line along N.bdy.of Tp. setting temp. ¼ sec.and sec.cors. at intervals of 40.00 chs.; until at 3 mi. 37.66 chs. I intersect N. and S.line 44.70 chs.N.of the ¼ sec.cor.bet.secs.4 and 33, as re-established by myself and heretofore described.

This falling exceeds the allowable limits of error; therefore I abandon my random line, destroying all temp.cors.thereon, and, beginning at the ¼ sec.cor. bet.secs.4 and 33, I run

East on true line bet.secs.4 and 33,

Over undulatingsground; through dense sagebrush and scattering cedar timber.

12.00 Wood road bears N.45° E. and S.45° W.

37.66 Set a limestone 16x12x8 ins., 11 ins.in the ground,for cor.of secs.3,4,33, and 34, marked with 3 notches on E. and W.edges; and raise a mound of stones 2 ft. base, 1½ ft.high W.of cor.Pits impracticable.

Land, mountainous.

Soil, gravelly and loam; 2d rate.

Timber cedar, scattering. Undergrowth sagebrush.

Land covered with dense undergrowth 37.66 chs.

June 3: Sky overcast, no observation for latitude this day.

June 4: At 6 h. 58 m.a.m.l.m.t.I set off 39° 59' on lat.arc; 22° 22'N.on decl.arc; and determine a meridian with the solar at the cor.of secs.3,4,33, and 34.

Thence I run

East bet.secs.3 and 34,

NORTH BOUNDARY T. 10 S., R. 5 W.

Chains	
	Over undulating ground; through dense sagebrush and scattering cedar.
40.00	Set a quartzite stone 15x9x5 ins., 10 ins.in the ground for ¼ sec.cor., marked ¼ on N.face; from which
	A cedar 6 ins.dia.bears N.20° W. 18 lks.dist. marked ¼ S 34 B T
	A cedar 14 ins.diam.bears S.75° E. 67 lks.dist. marked ¼ S 3 B T
50.00	Begin ascent bearing N. and S.
65.00	Timber becomes dense.
75.00	Top of ascent,150 ft.high, bears N. and S. Descend into creek bottom.
80.00	Set a quartzite stone 18x8x8 ins., 12 ins.in the ground for cor.of secs.2,3,34, and 35, marked with 2 notches on E. and 4 notches on W.edge; from which
	A cedar 15 ins.diam.bears N.45° E. 14 lks.dist. marked T 9 S R 5 W S 35 B T
	A cedar 24 ins.diam.bears N.65° W. 12 lks.dist. marked T 9 S R 5 W S 34 B T
	A cedar 10 ins.diam.bears S.45° W. 10 lks.dist. marked T 10 S R 5 W S 3 B T
	A cedar 15 ins.diam.bears S.50° E. 23 lks.dist. marked T 10S R 5 W S 2 B T
	Land, rolling and broken.
	Soil, stony gravel; 3d rate.
	Timber scattering cedars.
	Undergrowth sagebrush.
	Land covered with dense undergrowth 80.00 chs.

East bet.secs.2 and 35,

	Over steep rough dencent; through cedars and sagebrush.
6.00	Leave timber bearing N. and S.
7.00	Foot of descent bears N. and S.
	Enter creek bottom.

NORTH BOUNDARY T. 10 S., R. 5 W.

Chains.	
10.34	Creek 8 lks.wide, 6 ins.deep, drains N.38° W.
11.57	Road, Cherry Creek to Vernon, bears N.45° W. and S.45° E.
12.50	Foot of steep ascent bears N.40° W. and S.40° E.
	Leave creek bottom; enter pine and cedar timber, bears NE. and SW.
39.00	Top of steep ascent bearing N.40° W. and S.40° E., 400 above creek bottom; timber becomes scattering.
40.00	Set a quartzite stone 16x9x7 ins., 11 ins.in the ground for ¼ sec.cor., marked ¼ on N.face; from which
	A cedar 12 ins.diam bears N.15° E. 41 lks.dist. marked ¼ S 35 B T
	A cedar 12 ins.diam.bears S.75° W. 1.21 chs.dist. marked ¼ S 2 B T
	Thence over broken country; ascending gently.
70.00	Top of ascent, 100 ft.above ¼ cor.; bears N.20° E. and S.20° W. Begin gentle descent. Leave timber.
80.00	Set a quartzite stone 15x9x6 ins., 10 ins.in the ground for cor.of secs.1,2,35, and 36, marked with 1 notch on E. and 5 notches on W.edge; and raise a mound of stones 2 ft.base, 1½ ft.high W.of cor.Pits impracticable.
	Land, mountainous and broken.
	Soil, loam and stony; 1st and 3d rate.
	Timber, pine and cedar.
	Undergrowth sagebrush.
	Mountainous land, or land covered with dense undergrowth 80.00 chs.
	June 4: At this cor.I set off 22° 22'N.on decl.arc; and at 11 h. 58 m.a.m.l.m.t.observe the sun on the meridian; the resulting lat.is 39° 58'

NORTH BOUNDARY T. 10 S., R. 5 W.

Chains.	
	East bet.secs.1 and 36,
	Over broken country; through dense sagebrush.
6.00	Foot of descent into hollow, drains N., 250 ft.below ridge.
	Ascend.
13.00	Top of gentle ascent bears N. and S. 75 ft.high,
	Descend.
27.70	Wood road bears N.15° W. and S.15° E.
32.00	Wash, 6 ft.deep, drains N.45° W.
	Ascend.
40.00	Set a quartzite stone 14x10x6 ins., 9 ins.in the ground for $\frac{1}{4}$ sec.cor., marked $\frac{1}{4}$ on N.face; and raise a mound of stones 2 ft.base, $1\frac{1}{2}$ ft.high N.of cor.Pits impracticable.
67.00	Top of ascent bearing N. and S.300 ft.above wash, and 5 chs.N.of saddle or pass and road.
	Descend.
73.50	Foot of descent. Wash 3 ft.deep, drains N.35° E.
73.90	Wood road bears N.35° E. and S.35° W.
80.00	Intersect range line 4.70 chs. S. of $\frac{1}{4}$ sec.cor.bet.secs. 1 and 6 on E.bdy.of Tp., set by myself and heretofore described, which I now destroy, and at my intersection,
	Set a quartzite stone 18x8x7 ins., 12 ins.in the ground for cor.of Tps.9 and 10 S., Rs.4 and 5 W., marked with 6 notches on each edge,
	T 9 S on NE.
	4 W on SE.
	10 S on SW. and
	5 W on NW.face; and raise a mound of earth 5 ft. base, $2\frac{1}{2}$ ft.high S.of cor.
	I destroy the temp cor.set in survey of E.bdy.
	Land broken and mountainous.
	Soil stony; 3d rate.
	Timber scattering pine and cedar.

NORTH BOUNDARY T. 10 S., R. 5 W.

Undergrowth sagebrush.

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

June 3, 1907.

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

BOUNDARIES OF T. 10 S., R. 5 W.

LATITUDES, DEPARTURES, AND CLOSING ERRORS,

Lines Designated	True Bearing.	Dist. chs.	Latitudes, N. chs.	Latitudes, S. chs.	Departures. E. chs.	Departures. W. chs.
2d.St.Par.South	N.89° 52'E.	160.80	.37	.....	160.80	.....
2d St.Par.South	N.89° 41'E.	320.00	1.77	.....	320.00	.....
East Boundary	North	435.30	435.30	.....	.....	.....
North Boundary	West	478.71	.....	.....	.....	478.71
West Boundary	S. 0° 15'W.	435.80	.....	435.79	.....	1.90
Convergency,						.54
Totals			437.44	435.79	480.80	481.15
			435.79			480.80
Error in lat.and dep.			1.65			0.35

Thomas J. Stoddard

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:

For list of names and final affidavits see book "O" Range ..., *Chainman.*

...line Tps.1 and 2 S., Rs.18 and 19 W. ..., *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 ....., 190

SEAL

.....

.....

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BOOK A-344

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 _____, 190 , 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 _____ For final affidavit see book "O." Range line Tps.1 & 2 S.,Rs.18 and 19 W. _____ 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.

_____

United States Deputy Surveyor.

Subscribed by said _____, and sworn to before me this _____ day of _____, 190

SEAL

_____

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, May 8, 190 8.

The foregoing field notes of the survey of the fractional east and north boundaries, Township No. 10 South, Range No.5 West of the Salt Lake Base and Meridian, Utah,

executed by Alonzo J.Stookey under his contract No. 296, dated March 21, ~~190~~7, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Thomas Hull

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-344

5.

CORRECTIVE

FIELD NOTES

To Book "B" Original Notes
OF THE SURVEY OF THE

FILED
SEP 2 1908

B.B.

EAST BOUNDARY

O F

TOWNSHIP NO.10 SOUTH, RANGE NO.5 WEST

Of the SALT LAKE BASE AND *Meridian,*

U T A H

AS SURVEYED BY

Alonzo J.Stookey, *United States Deputy Surveyor,*

Under his Contract No. 296, *dated* March 21, *190* 7:

Survey commenced August 3, *190* 8,

Survey completed August 4, *190* 8.

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BOOK A-344

NAMES AND DUTIES OF ASSISTANTS.

David Sharp Jr.,	Chainman.
Lionel J. Stookey	Chainman and Roundman.

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BOOK A-344

INDEX DIAGRAM.

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Meanders Page . . . . . .

PRELIMINARY OATHS OF ASSISTANTS.

WE, David Sharp Jr. and Lionel J. Stookey 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 corrective survey of part of the East Boundary of Township 10 South, Range 5 West of the Salt Lake Base and Meridian, Utah.

David Sharp Jr, *Chainman.*

Lionel J. Stookey, *Chainman.*

Subscribed and sworn to before me this 3 day of August, 1908.

SEAL

Alonzo J. Stookey
U.S. Deputy Surveyor

WE, I, Lionel J. Stookey and do solemnly swear that I will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given me, to the best of my skill and ability, in the corrective survey of part of the East Boundary of Township 10 South, Range 5 West of the Salt Lake Base and Meridian, Utah.

Lionel J. Stookey, *Moundman.*

, *Moundman.*

Subscribed and sworn to before me this 3 day of August, 1908

SEAL

Alonzo J. Stookey
U.S. Deputy Surveyor

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 , 190

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 , 190

SEAL

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CORRECTIVE NOTES

EAST BOUNDARY T. 10 S., R. 5 W.

Chains. Survey commenced Aug.3, 1908, and executed with a W.& L.E.Gurley light mountain transit with solar attachment. The horizontal limb is provided with two double verniers placed opposite to each other, reading to single minutes of arc, which is also the least count of the verniers of the latitude and declination arcs.

I examine the adjustments of the transit and correct the level and 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 meridian determined by observations on Polaris I proceed as follows:

At the corner of secs.13,18,19, and 24, on E.bdy.of Tp. as established by myself and described in my original returns; lat.39° 56' N.; long.112° 20' 49" W. at 2 h. 54 m.p.m.l.m.t.I set off 39° 56' on lat. arc 17° 27'N.on decl.arc determine with the solar a meridian and mark a point thereof on a stone firmly set in the ground 5 chs.N.of my station.

At 10 h. 41 m.p.m.l.m.t.I observe Polaris at eastern elongation, in accordance with Manual of Instructions, and markka point in the line thus determined on a peg driven in the ground 5 chs.N.of my station.

Aug.3, 1908.

Aug.4, at 7 a.m.l.m.t.I lay off the azimuth of Polaris 1° 32' to the west, and mark the meridian thus determined by cutting a small groove in the stone set Aug.3, on which the meridian falls 0.2 ins.west of the mark determined by the solar.

At 8 h. 6 m.a.m., l.m.t.I set off 39° 56' on lat.arc; 17° 16'N.on decl.arc; and mark a point in the meridian determined with the solar by a cross on the stone

CORRECTIVE NOTES

EAST BOUNDARY T. 10 S., R. 5 W.

Chains.

already set 5 chs.N.of my station; this mark falls 0.3 ins.west of the meridian established by the Polaris observation.

The solar apparatus by p'm.and a.m.observations defines positions for meridians respectively about 0' 10" east and 0' 16" west of the meridian established by the Polaris observations; therefore I conclude that the adjustments of the instrument are satisfactory.

The magnetic bearing of the true meridian at 8 h. 30 m. a.m.is N.17° 29'W., the angle thus determined gives the mag.decl.17° 29'E.

Thence I run, from cor.above described,

North bet.secs.13 and 18,

38.96 Intersect the ¼ sec.cor. set by me, which is a quartzite stone 18 x 10 x 6 ins., 12 ins.in the ground marked ¼ on W.face, with mound of stone West.

I destroy all traces of this ¼ sec.cor., and at

40.00 Set same stone 1.04 chs.N.of its former position, 12 ins.in the ground, with marking "¼" on W.face; and raise a mound of stone 2 ft.base, 1½ ft.high W.of cor.

79.00 Intersect the cor.of secs.7,12,13, and 18, set by me, which is a quartzite stone 15 x 7 x 6 ins., 10 ins. in the ground, marked with 4 notches on S. and 2 notches on N.edges; and mound of stone W.of cor.

I destroy all traces of this sec.cor., and at

80.00 Set same stone 12 ins.in the ground, for cor.of secs. 7,12,13, and 18, with the 4 notches to the S. and 2 notches to the N.; and raise a mound of stone 2 ft. base; 1½ ft.high W.of cor.

No change in topography on this line.

North bet.secs.7 and 12,

39.00 Intersect the ¼ sec.cor.set by me, which is a quartzite stone 15 x 10 x 5 ins., 10 ins.in ground, marked ¼

CORRECTIVE NOTES, EAST BOUNDARY T. 10 S., R. 5 W.

Chains. on W.face.

I destroy all trace of this $\frac{1}{4}$ sec.cor., and at

40.00 Set same stone 1.00 ch.N.of its former position, 10 ins.in the ground, with marking $\frac{1}{4}$ to the west; from which

A cedar tree 12 ins.diam.bears S.6° 45'W. 1.98 chs.dist., marked $\frac{1}{4}$ S 12 B T

A cedar tree 12 ins.dia.bears S.7° 00'E. 2.27 chs.dist., marked $\frac{1}{4}$ S 7 B T

Sabie's Peak bears S.45° E. about 15 chs.dist.

78.98 Intersect the cor.of secs.1,6,7, and 12, set by me, which is a quartzite stone 16 x 10 x 4 ins., 11 ins. in the ground, marked with 1 notch on N. and 5 notches on S.edges, with mound of stone west of corner.

See a... note b. B page

I destroy all trace of section corner at this point, and at

80.00 Set same stone 11 ins.in the ground with 1 notch to the north and 5 notches to the south; and raise a mound of stone 2 ft.base, $1\frac{1}{2}$ ft.high W.of corner.

No change in topography on this line.

The distance north to the township corner would thus be reduced 1.02 chs. ,making it 34.28 chs.

August 4, 1908.

Alonzo J. Stookey

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 Alonzo J. Stookey, United States Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the corrective survey of a portion of the East Boundary of T. 10 S., R. 5 W., Salt Lake Base and Meridian, Utah, showing the respective capacities in which they acted:

David Sharp Jr., *Chainman.*

Lionel J. Stookey, *Chainman.*

Lionel J. Stookey, *Moundman.*

, *Moundman.*

, *Axman.*

, *Axman.*

, *Flagman.*

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted Alonzo J. Stookey, United States Deputy Surveyor, in surveying all those parts or portions of the East Boundary of Township No. 10 S., Range No. 5 West of the Salt Lake Base and meridian, State of Utah, which are represented in the foregoing corrective field notes as having been surveyed by him and under his direction; and that said corrective 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.

David Sharp Jr., *Chainman.*

Lionel J. Stookey, *Chainman.*

Lionel J. Stookey, *Moundman.*

, *Moundman.*

, *Axman.*

, *Axman.*

, *Flagman.*

Subscribed and sworn to before me this 4 day of August, 1908

SEAL

Alonzo J. Stookey
U.S. Deputy Surveyor

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FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, Alonzo J. Stookey, United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from Thomas Hull United States Surveyor General for Utah, bearing date of the 21st day of March, 1907, I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for Utah, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of the East Boundary of Township 10 South, Range 5 West

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

Alonzo J. Stookey
United States Deputy Surveyor.

Subscribed by said Alonzo J. Stookey, and sworn to before me this 2nd day of September, 1908.

SEAL

Jerald R. Letchu
Clerk U.S. District Court District
by Margaret B. Connell
Deputy Clerk

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, December 4, 1908.

The foregoing field notes of the corrective survey of the East Boundary of Township No. 10 South, Range No. 5 West of the Salt Lake Base and Meridian, Utah,

executed by Alonzo J. Stookey under his contract No. 296, dated March 21, 1907, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the corrective surveys they describe, are hereby approved.

Thomas Hull
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-344

FIELD NOTES

OF THE ~~SURVEY OF THE~~

RETRACEMENT AND RESURVEY

OF THE

SECOND STANDARD PARALLEL SOUTH

THROUGH

RANGE NO. 5 WEST

Of the SALT LAKE BASE AND *Meridian,*

U T A H

AS SURVEYED BY

Alonzo J. Stookey, *United States Deputy Surveyor,*

Under his Contract No. 296, *dated* March 21, *190* 7.

tracement and
Survey commenced June 6, *190* 7

tracement and
Survey completed June 8, *190* 7.

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Ret Lam 2 00 80
Res Sign 4 00 00

NAMES AND DUTIES OF ASSISTANTS.

Ralph Gentry,	Chainman.
Asael Tanner,	Chainman.
Lionel J.Stookey	Chainman and Roundman.
Richard Orr,	Chainman and Roundman.
Warren Eyman,	Flagman.

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BOOK A-344

INDEX DIAGRAM.

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BOOK A-344

PRELIMINARY OATHS OF ASSISTANTS.

We, Ralph Gentry, Richard Orr, Angel Tanner and Lionel J. Stockey 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 rame; 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 retracement and resurvey of the Second Standard Parallel South, through Ranges 5 and 6 W. of the Salt Lake Base and Meridian, Utah.

Angel Tanner, Lionel J. Stockey, Chainman.

Ralph Gentry, Richard Orr, Chainman.

Subscribed and sworn to before me this 29th day of May, 1907.

SEAL

U.S. Deputy Surveyor.

We, Lionel J. Stockey and Richard Orr 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 retracement and resurvey of the Second Standard Parallel South, through Ranges 5 and 6 W. of the Salt Lake Base and Meridian, Utah.

Lionel J. Stockey, Moundman.

Richard Orr, Moundman.

Subscribed and sworn to before me this 29th day of May, 1907.

SEAL

U. S. Deputy Surveyor.

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 ....., 190

SEAL

I, Warren Eyman, 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 retracement and resurvey of the Second Standard Parallel South through Ranges 5 and 6 W. of the Salt Lake Base and Meridian, Utah.

Warren Eyman, Flagman.

Subscribed and sworn to before me this 29th day of May, 1907

SEAL

U.S. Deputy Surveyor.

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RETRACEMENT OF 2d STANDARD PARALLEL S.THROUGH R.5 W.

Chains.	
	Survey commenced June 6th and executed with the instrument described in book "A" of this survey.
	At 6 h.58 m.a.m.l.m.t.I set off 39° 54' on lat.arc; 22° 36' N.on decl.arc and determine a meridian with the solar at the standard cor.of Tps.10 S., Rs.5 and 6 W., which is a sandstone 25x10x8 ins. marked as described by the surveyor general,not firmly set. I reestablish it by setting firmly in the ground 18 ins. brightening up the marks thereon, and raising a mound of stones 2 ft. base, 1½ ft.high N.of cor.
	Thence I run
	East on S.bdy.of sec.31.
	Over rolling mountainous land; through dense sagebrush undergrowth.
1.75	Ravine 10 ft.deep, drains S.60° W. Ascend.
9.24	Top of ascent of quartzite ridge bearing N.45° E. and S.45° W., 200 ft.above cor.
	Descend gently.
35.00	Road up Pole Canyon, bears N.50° E. and S.50° W.
37.50	Pole Creek 6 lks.wide, 3 ins.deep, flows S.50° W.
	Difference bet.measurements of 40.40 chs.by two sets of chainmen is 10 lks.; position of middle point
	By 1st set is 40.45 chs.
	By 2d set 40.35 chs., the mean of which is
40.40	Intersect N. and S.line 9 lks.S.of the standard ¼ sec. cor., which is a slate stone 18x8x8 ins.as described by the surveyor general, not firmly set. I reset it 12 ins.in the ground, brighten up the marks, and raise a mound of stones 2 ft.base, 1½ ft.high N.of cor. Pits impracticable.
42.20	Foot of steep mountain bearing N.45° E. and S.45° W. Ascend.
80.40	Difference bet.measurements of 80.40 chs.by two sets of chainmen is 16 lks.; position of middle point

RETRACEMENT OF SECOND STANDARD PARALLEL SOUTH THROUGH R.5 W.

Chains.	
	By 1st set 80.48 chs.
	By 2d set 80.32 chs., the mean of which is
80.40	Intersect 18 lks.S.of the old standard cor.of secs. 31 and 32, which is a slate rock 16x10x6 ins. as described by the surveyor general, from which the marks are nearly obliterated.
	I destroy this corner and in original position
	Set a quartzite stone 24x10x6 ins., in mound of stone for St.cor.of secs.31 and 32;mkd S C on N. 1 groove on W.5 grooves on E.face; and raise a mound of stone 2 ft.base,1½ ft. high N.of cor.Pits impracticable.
	The course of this line is therefore N.89° 52'E.
	This corner is situated on top of bare ridge bearing N.48° W. and S.48° E. 2000 ft.high.
	Land, mountainous.
	Soil, stony; 3d rate.
	Timber a few cedars and aspen.
	Undergrowth sagebrush.
	Mountainous land 80.40 chs.
	June 6: At this cor.I set off 22° 36' N.on declinare; and at 11 h. 58 m.a.m.l.m.t.observe the sun on the meridian; the resulting lat.is 39° 54'
	N.89° 52'E. along S.bdy.sec.32,
	Over mountainous land; descending.
1.48	No trace of closing cor.secs.5 and 6,T.11 S., R. 5 W.
7.00	Saddle 1 ch.S., bearing NE. and SW. Ascend.
20.00	Top of ascent, 250 ft.above sec.cor., bears N.40° E. and S.40° W.
	Begin descent into Cow Hollow.
	Difference between measurements of 40.40 chs. by two sets of chainmen is 12 lks.; position of middle point
	By 1st set 40.46 chs.
	By 2d set 40.34 chs., the mean of which is

RETRACEMENT OF 2d STANDARD PARALLEL SOUTH, THROUGH R. 5 W.

Chains.

40.40 Intersect original standard ¼ sec.cor., which is a stationary sandstone 30x24x24 ins.aboveground, from which marks are partially obliterated. I brighten marks thereon, and re-mark for bearing tree

A cedar 20 ins.diam.bearing N.89°40'E. 30 lks. dist., marked S C ¼ S B T

No other bearing trees within limits; raise a mound of stone 2 ft.base, 1½ ft.high N.of cor.

70.65 Bottom of Cow Hollow 800 ft.below ¼ sec.cor.

Stream 4 lks.wide, 2 ins.deep, drains S.25° E., stream skirted with aspen.

Difference between measurement of 80.40 chs.by two sets of chainmen is 16 lks.; position of middle point

By 1st set is 80.32 chs.

By 2d set is 80.48 chs., the mean of which is

80.40 Intersect original standard cor.of secs.32 and 33 which is a white sandstone 18x6x5 ins.as described by the surveyor general; not firmly set and no marks visible.

I reset the stone 12 ins.in the ground for standard cor of secs.32 and 33, marked 2 grooves on W. and 4 grooves on E.face; and S C on N.face; and raise a mound of stones 2 ft.base, 1½ ft.high N.of cor.Pits impracticable.

Land, mountainous.

Soil, stony and loam; 3d and 1st rate.

Timber cedars and aspen, scattering.

Mountainous land 80.40 chs.

June 6, 1907.

June 7: At 6 h.58 m.a.m.l.m.t.I set off 39° 54' on lat. arc; 22° 42'N.on decl.arc; and determine a mer.with the solar at the St. cor.of secs.32 and 33. Knowing from pre-

vious surveys that some of the corners on this line are missing, I run

Chains. N.89°52'E.on random retracement line, but fail to find any trace of old standard ¼ sec.or sec.corners, nor any closing corners, until at 4 miles I intersect N. and S.line 1.05 chs.S.of standard cor.of Tp.10 S., Rs.4 and 5 W. as re-established by myself in the re-survey of the E.bdy.of T.10 S., R. 5 W., heretofore described.

The course of this line is therefore S.89° 41'W.

June 7: The sky is overcast during the noon hour, observation for latitude impossible.

June 7, 1907.

June 8: At 6 h. 59 m.a.m.l.m.t.I set off 39° 54' on lat. arc; 22° 48' N.on decl.arc; and determine a meridian with the solar at the standard cor.of Tp.10 S., Rs.4 and 5 W. Thence I run

S.89° 41'W.on true resurvey line along S.bdy. sec.36,

Over rolling bench land; through dense sagebrush.

17.65 Road, Cherry Creek to Vernon bears N. and S.

Difference between measurement of 40.00 chs.by two sets of chainmen is 10 lks.; position of middle point

By 1st set 40.05 chs.

By 2d set 39.95 chs., the mean of which is

40.00 Set a quartzite stone 15x7x5 ins., 10 ins.in the ground for standard ¼ sec.cor., marked S C ¼ on N.face; and raise a mound of stone 2 ft.base, 1½ ft.high N.of cor. Pits impracticable.

73.70 Descend from bluff bearing N.50° E. and S.50° W.

74.70 Foot of bluff bears N.50° E. and S.50° W.

75.00 Wash 4 ft.deep, drains N.50° E.

Difference between measurement of 80.00 chs.by two sets of chainmen is 14 lks.; position of middle point,

By 1st set 80.07 chs.

RESURVEY OF SECOND STANDARD PARALLEL SOUTH, THROUGH R. 5 W.

Chains	
	By 2d set 79.93 chs., the mean of which is
80.00	Set a quartzite stone 18x12x5 ins., 12 ins. in the ground, for standard cor. of secs. 35 and 36, marked with 1 groove on E. and 5 grooves on W. faces; S C on N. face; and raise a mound of stones 2 ft. base, 1½ ft. high N. of cor. Pits impracticable.
	Land, rolling.
	Soil, gravel and loam; 3d and 1st rate.
	No timber.
	Undergrowth sagebrush.
	Land covered with dense undergrowth 80.00 chs.
	S.89° 41'W. on true resurvey line along S. bdy. sec. 35,
	Over rolling land; through dense sage undergrowth.
7.50	Road, West Tintic to Vernon bears N.70° E. and S.70° W.
24.00	Begin ascent bearing N. and S.
	Difference between measurements of 40.00 chs. by two sets of chainmen is 12 lks.; position of middle point
	By 1st set 39.94 chs.
	By 2d set 40.06 chs., the mean of which is
40.00	Set a quartzite stone 18x9x6 ins., 12 ins. in the ground marked S C ¼ on N. face; and raise a mound of stones 2 ft. base, 1½ ft. high N. of cor. Pits impracticable.
48.00	Top of ascent, 200 ft. high, bears N. and S.
	Descend.
75.15	Foot of descent; wash 3 ft. deep, drains S.25° W.
	Difference bet. measurement of 80.00 chs. by two sets of chainmen is 16 lks.; position of middle point
	By 1st set 80.08 chs.
	By 2d set 79.92 chs., the mean of which is
80.00	Set a quartzite stone 16x6x6 ins., 11 ins. in the ground for standard cor. of secs. 34 and 35, marked S C on N. face, with 2 grooves on E. and 4 grooves on W. faces; and raise a mound of stones 2 ft. base, 1½ ft. high N.

RESURVEY OF SECOND STANDARD PARALLEL SOUTH, THROUGH R. 5 WEST.

Chains.	
	of cor.Pits impracticable.
	Land, rolling and mountainous.
	Soil, stony; 3d rate.
	No timber.
	Undergrowth sagebrush.
	Land covered with dense undergrowth 80.00 chs.
	June 8: At this cor.I set off 22° 48'N.on decl.arc; and at 11 h.59 m.a.m.l.m.t.observe the sun on the meridian the resulting lat.is 39° 55'
	S.89° 41'W.on true resurvey line along S.bdy.sec.34,
	Over mountainous and rolling land, through dense sagebrush undergrowth.
21.70	Begin ascent bearing N. and S.
36.00	Top of ascent of S.point of mountain or hill, 250 ft. high, bearing N. and S.
	Descend.
	Difference between measurement of 40.00 chs.by two sets of chainmen is 12 lks.; position of middle point
	By 1st set is 39.94 chs.
	By 2d set 40.06 chs., the mean of which is
40.00	Set a quartzite stone 15x6x6 ins., 10 ins.in the ground for standard $\frac{1}{4}$ sec.cor., marked S C $\frac{1}{4}$ on N.face; and raise a mound of stones 2 ft.base, $1\frac{1}{2}$ ft.high N.of cor.Pits impracticable.
46.67	Wash drains south, 4 ft.deep, 200 ft.below ridge.
68.00	Wash 4 ft.deep, drains S.15° E.
	Difference between measurement of 80.00 chs.by two sets of chainmen is 16 lks.; position of middle point
	By 1st set 80.08 chs.
	By 2d set 79.92 chs., the mean of which is
80.00	Set a quartzite stone 18x7x5 ins., 12 ins.in the ground for standard cor.of secs.33 and 34, marked S C on N. face, 3 grooves on E. and W.faces; and raise a mound

RESURVEY OF SECOND STANDARD PARALLEL SOUTH, THROUGH RANGE 5 WEST.

Chains.	
	of stones 2 ft.base, 1½ ft.high N.of cor.Pits impracticable.
	Land, mountainous.and rolling.
	Soil, stony; 3d rate.
	No timber.
	Undergrowth sagebrush.
	Land covered with dense undergrowth 80.00 chs.
	S.89°41'W.on true resurvey line along S.bdy.sec.33,
	Over broken mountainous land; through dense sagebrush undergrowth.
1.50	Wash 4 ft.deep, drains S.35° E.
	Ascend gently.
21.25	Top of ascent; then along bare quartzite ridge, bearing N.70° E. and S.70° W.
	Difference between measurement of 40.00 chs.by two sets of chainmen is 10 lks.; position of middle point,
	By 1st set 40.05 chs.
	By 2d set 39.95 chs., the mean of which is
40.00	Set a quartzite stone 18x10x5 ins., 12 ins.in the ground, for standard ¼ sec.cor., marked S C ¼ on N. face; and raise a mound of stones 2 ft.base, 1½ ft. high N.of cor.Pits impracticable.
46.00	Ravine or hollow, 175 ft.deep, drains S.60° W.
	Ascend; enter cedars.
63.00	Top of quartzite ridge, 180 ft.high bearing N. and S.
	Descend.
79.00	Foot of descent, 200 ft.below ridge, bears N. and S.
	Difference between measurement of 80.00 chs.by two sets of chainmen is 14 lks.; position of middle point
	By 1st set 79.93 chs.
	By 2d set 80.07 chs., the mean of which is
80.00	Intersect the standard cor.of secs. 32 and 33, hereto-

fore described.

Land, mountainous and rolling.

Soil, stony; 3d rate.

Timber cedars.

Undergrowth sagebrush.

Land covered with dense undergrowth 80.00 chs.

June 8, 1907.

For general description see notes of subdivision of T. 10 S., R. 5 W.

Alonzo J. Stookey

U.S. Deputy Surveyor.

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

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

For list of names and final affidavits see book "G" T. 10 S., R. 6 W. *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 _____, 190

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 ....., 190 , 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 .....

For final affidavit see book "G" T.10 S., R. 6 W.

..... 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.

.....
United States Deputy Surveyor.

Subscribed by said ....., and sworn to before me this ..... day of ....., 190

.....

SEAL

.....

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL.

Salt Lake City, Utah, May 8, 190 8.

The foregoing field notes of the survey of retracement and resurvey of Second Standard Parallel South, through Range 5 West of the Salt Lake Base and Meridian, Utah,

executed by Alonzo J. Stookey
under his contract No. 235, dated March 21, 190 7, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the retracements and resurveys they describe, are hereby approved.

Thomas Bell
United States Surveyor General.

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

.....
United States Surveyor General.

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BOOK A-344

D.

FIELD NOTES

RE

OF THE SURVEY OF THE

FIRST GUIDE MERIDIAN

THROUGH

TOWNSHIP NO. 10 SOUTH

BETWEEN

RANGES 5 AND 6 WEST

Of the SALT LAKE BASE AND *Meridian,*

U T A H,

AS SURVEYED BY

Alonzo J. Stookey, *United States Deputy Surveyor,*

Under his Contract No. 296, *dated* March 21, *190* 7.

Survey commenced June 10, *190* 7.

Survey completed June 13, *190* 7.

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NAMES AND DUTIES OF ASSISTANTS.

Ralph Gentry	Chainman.
Asael Tanner	Chainman.
Lionel J.Stookey,	Chainman and Moundman.
Richard Orr,	Chainman and Moundman.
Warren Eyman,	Flagman.

BOOK A-344

INDEX DIAGRAM.

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PRELIMINARY OATHS OF ASSISTANTS.

We, Ralph Gentry, Asael Tanner and Richard Orr and Lionel J.Stookey 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 resurvey of the First Guide Meridian, through T. 10 S., between Rs.5 and 6 W.of the Salt Lake Base and Meridian,Utah.

Asael Tanner, Lionel J. Stookey, Chainmen.
Ralph Gentry, Richard Orr, Chainmen.

Subscribed and sworn to before me this 29th day of May, 1907.

SEAL

Lionel J. Stookey
U.S.Deputy Surveyor.

We, Lionel J.Stookey and Richard Orr 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 resurvey of the First Guide Meridian,through T.10 S., between Rs.5 and 6 W.of the Salt Lake Base and Meridian,Utah.

Lionel J. Stookey, Moundman.
Richard Orr, Moundman.

Subscribed and sworn to before me this 29th day of May, 1907.

SEAL

Lionel J. Stookey
U.S.Deputy Surveyor.

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 ....., 190

SEAL

I, Warren Lyman, 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 resurvey of the First Guide Meridian, through T.10 S., between Rs.5 and 6 W.of the Salt Lake Base and Meridian,Utah.

Warren Lyman, Flagman.

Subscribed and sworn to before me this 29th day of May, 1907.

SEAL

Lionel J. Stookey
U.S.Deputy Surveyor.

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RESURVEY OF FIRST GUIDE MERIDIAN, T.10 S.,BET.RS.5 and 6 W.

Chains. Knowing from the survey and resurvey of the E.bdy.of T.10 S., R. 5 W., that there is an error in the length of the guide meridian, I proceed to retracey the same as follows:

Survey commenced June 10, 1907, and executed with the instrument described in book "A" of this survey.

At 6 h. 59m.a.m.l.m.t.I set off 39° 54'N.on lat.arc; 22° 59'N.on decl.arc; and determine a meridian with the solar at the standard corner of Tp.10 S. Rs.5 and 6 W., as re-established by myself and heretofore described. Thence I run

North on retracement line, but fail to find any trace of ¼ or sec.cors., until at 435,80 chs.I intersect N.bdy. of Tp.1.90 chs. W.of the cor.of Tps.9 and 10 S., Rs. 5 and 6 W., as re-established by myself and heretofore described. I therefore proceed to resurvey the guide meridian as follows

June 12: At 6 h. 59 m.a.m.l.m.t.I set off 39° 59' on lat.arc; 23° 08'N.on decl.arc; and determine a meridian with the solar at cor.of Tps.9 and 10 S., Rs.5 and 6 W.

Thence I run

S.0°15'W.bet.secs.1 and 6,

Over rolling land; through dense sagebrush.

5.55 Wash or ravine, 15 ft.deep, drains N.35° E.

Ascend.mountain.

32.80 Top of ascent, 300 ft.above wash, bears N.45° E. and S. 45° W.

Difference bet.measurement of 35.80 chs.is 4 lks.; position of middle point

By 1st set is 35.82 chs.

By 2d set is 35.78 chs., the mean of which is

35.80 Set a quartzite stone 15x12x6 ins., 10 ins.in the ground for cor.of secs.1,6,7, and 12, marked with 1 notch on [illegible]

Chains.	
	N. and 5 notches on S.edge; and raise a mound of stones 2 ft.base, 1½ ft.high W.of cor.Pits impracticable.
	Land, rolling and mountainous.
	Soil, stony; 3d rate.
	Undergrowth sagebrush.
	No timber.
	Mountainous land, or land covered with dense undergrowth 35.80 chs.
	S.0°15'W.bet.secs.7 and 12,
	Over mountainous land,
10.00	Begin descent into Dutch Canyon, bears E. and W.
25.45	North fork of Dutch Creek, 3 lks.wide, 2 ins.deep, d drains N.75° E.
	Difference bet.measurements of 40.00 chs.by two sets of chainmen is 4 lks.; position of middle point,
	By 1st set 40.02 chs.
	By 2d set 39.98 chs., the mean of which is
40.00	Set a sandstone 18x10x6 ins., 12 ins.in the ground, for ¼ sec.cor., marked ¼ on W.face; and raise a mound of stones 2 ft.base, 1½ ft.high W.of cor.Pits impracticable.
54.50	S. fork of Dutch Creek 5 lks.wide, 3 ins.deep, drains N.45° E.
	Ascend.
	Difference bet.measurements of 80.00 chs.by two sets of chainmen is 10 lks.; position of middle point
	By 1st set 80.05 chs.
	By 2d set 79.95 chs., the mean of which is
80.00	Set a sandstone 18x10x4 ins., 12 ins.in the ground, for cor.of secs.7,12,13, and 18, marked with 2 notches on N. and 4 notches on S.edge; and raise a mound of stones 2 ft.base, 1½ ft.high W.of cor.Pits impracti-

RESURVEY OF FIRST GUIDE MERIDIAN THROUGH TP.10 S., BET.RS.5 and 6 W.

Chains.	
	cable.
	Land, mountainous.
	Soil, stony and loam; 1st and 3d rate.
	No timber.
	Mountainous land 80.00 chs.
	June 12: At this cor.I set off 23° 08'N.on decl.arc; and at 11h.59 m.a.m.l.m.t.observe the sun on the meridian; the resulting lat.is 39° 57'
	S.0° 15'W.bet.secs.13 and 18,
	Over mountainous land; steep ascent of mountain.
20.82	Top of ascent, divide bet.Dutch and Bennion canons bears E. and W., 2000 ft.above valley.
	Descend into Bennion Canyon.
32.65	Foot of descent into hollow, 250 ft.deep, drains E.
	Ascend.
	Difference bet.measurement of 40.00 chs.by two sets of chainmen is 6 lks.; position of middle point
	By 1st set 40.03 chs.
	By 2d set 39.97 chs., the mean of which is
40.00	Set a sandstone 20x14x7 ins., 15 ins.in the ground, for ¼ sec.cor., marked ¼ on W.face; and raise a mound of stones 2 ft.base, 1½ ft.high W.of cor.Pits impracticable.
43.82	Top of ascent bearing E. and W., 150 ft.above hollow.
	Descend abruptly.
73.10	Bottom of hollow, 200 ft.deep, drains E.
	Ascend gently.
74.15	Road to mine bears E. and W. Ascent becomes steep.
	Difference bet.measurements of 80.00 chs.by two sets of chainmen is 12 lks.; position of middle point
	By 1st set 80.06 chs.
	By 2d set 79.94 chs.; the mean of which is

RESURVEY OF FIRST GUIDE MERIDIAN, T. 10 S., BET.RS.5 and 6 W.

Chains.	
80.00	Set a quartzite stone 15x10x8 ins., 10 ins.in the ground for cor.of secs.13,18,19, and 24, marked with 3 notches on N. and S.edges; and raise a mound of stones 2 ft.base, 1½ ft.high W.of cor.Pits impracticable.
	Land, mountainous.
	Soil loam and stony; 1st and 4th rate.
	No timber.
	Mountainous land 80.00 chs .
	June 12, 1907.
	June 13: At 7 h. 00 m.a.m.l.m.t.I set off 39° 56'on lat. arc; 23° 12'N.on decl.arc; and determine a meridian with the solar at the cor.of secs.13,18,19, and 24. Thence I run
	S.0° 15'W.bet.secs.19 and 24,
	Ascending over mountainous land.
27.00	Pass between Bennion Canyon and Rock Canyon, bears E. and W., divide between Rush Valley and West Tintic, 1800 ft.above valley; thence over undulating ground along W.face of mountain.
	Difference bet.measurement of 40.00 chs.by two sets of chainmen is 10 lks.; position of middle point
	By 1st set 40.05 chs.
	By 2 d set 39.95 chs.; the mean of which is
40.00	Set a quartzite stone 15x8x6 ins., 10 ins.in the ground for ¼ sec.cor., marked ¼ on W.face; and raise a mound of stones 2 ft.base, 1½ ft.high W.of cor.Pits impracticable.
79.40	Top of quartzite ridge 2000 ft.above valley, bears E. and W.
	Difference bet.measurements of 80.00 chs.by two sets of chainmen is 16 lks.; position of middle point

SURVEY OF FIRST GUIDE MERIDIAN THROUGH T. 10 S., BET.RS.5 and 6 W.

Chains. By 1st set 80.08 chs.

By 2d set 79.92 chs., the mean of which is

80.00 Set a quartzite stone 18x7x6 ins., 12 ins.in the ground, for cor.of secs.19,24,25, and 30, marked with 4 notches on N. and 2 notches on S.edges; and raise a mound of stones 2 ft.base, 1½ ft.high W.of cor.Pits impracticable.

Land, mountainous.

Soil, stony; 3d rate.

No timber.

Mountainous land 80.00 chs.

S.0°15'W.bet.secs.25 and 30,

Over mountainous land; descending S.face of mountain.

37.50 Bottom of hollow, 600 ft.deep, drains S.40° W.

A small stream enters this hollow from the north about 7 chs.S.40° W. from this point.

Begin rough ascent along NW.face of mountain.

Difference bet.measurement of 40.00 chs.by two sets of chainmen is 12 lks.; position of middle point

By 1st set is 39.94 chs.

By 2d set 40.06 chs.; the mean of which is

40.00 Set a quartzite stone 15x10x4 ins., 10 ins.in the ground for ¼ sec.cor., marked ¼ on W.face; and raise a mound of stones 2 ft.base, 1½ ft.high W.of cor.Pits impracticable.

57.80 Top of ascent, 400 ft.above hollow, bears N.60° E. and S S.60° W.

Descend south face of mountain.

Difference bet.measurement of 80.00 chs.by two sets of chainmen is 20 lks.; position of middle point

By 1st set 80.10 chs.

By 2d set 79.90 chs., the mean of which is

80.00 Set a quartzite stone 18x8x6 ins., 12 ins.in the ground

RESURVEY OF FIRST GUIDE MERIDIAN T. 10 S., BET.RS.5 and 6 W.

Chains.	
	for cor.of secs.25,30,31, and 36, marked with 1 notch on S. and 5 notches on N.edge; and raise a mound of stones 2 ft.base, 1½ ft.high W.of cor.Pits impracticable.
	Land, mountainous.
	Soil, stony; 3d rate.
	No timber.
	Mountainous land 80.00 chs.
	S.0° 15'W.bet.secs.31 and 36,
	Over mountainous land; descending through scattering cedars.
2.80	Bottom of hollow, 400 ft.below ridge, drains S.40° W.
	Stream in hollow, 4 lks.wide, 2 ins.deep,
	Ascend.
26.20	Top of ascent bears E. and W., 300 ft.above hollow.
	Thence over undulating ground.
	Difference bet.measurements of 40.00 chs.by two sets of chainmen is 8 lks.; position of middle point
	By 1set set 40.04 chs.
	By 2d set 39.96 chs.; the mean of which is
40.00	Set a quartzite stone 15x9x5 ins., 10 ins.in the ground for ¼ sec.cor., marked ¼ on W.face; and raise a mound of stones 2 ft.base, 1½ ft.high W.of cor.Pits impracticable.
53.00	Begin descent.
	Difference bet.measurement of 80.00 chs.by two sets of chainmen is 16 lks.;position of middle point
	By 1st set 80.08 chs.
	By 2d set 79.92 chs., the mean of which is
80.00	The standard cor.of.Tp.10 S., Rs.5 and 6 W.
	Land, mountainous.
	Soil, stony; 3d and 4th rate.
	Timber, cedars.

RESURVEY OF FIRST GUIDE MERIDIAN THROUGH TP.10 S., BET.Rs.5 and 6 W.

Mountainous land on 80.00 chs.

Sky overcast during the noon hour, no observation for latitude, this day.

June 13, 1907.

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

U.S.Dep.Surveyor.

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BOOK A-344

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by Alonzo J. Stookey, United States Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the survey of the First Guide Meridian through Township 10 South, between Rs.5 and 6 W. of the Salt Lake Base and Meridian, Utah, showing the respective capacities in which they acted:

Asael Tanner, Chainman, Ralph Gentry, *Chainman.*

Richard Orr, Chainman, Lionel J. Stookey, *Chainman.*

Richard Orr, *Moundman.*

Lionel J. Stookey, *Moundman.*

Axman.

Axman.

Warren Eyman, *Flagman.*

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted Alonzo J. Stookey, United States Deputy Surveyor, in surveying all those parts or portions of the the First Guide Meridian through Township 10 South between Ranges 5 and 6 West of the Salt Lake Base 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.

Asael Tanner. Lione J. Stookey, *Chainmen.*

Ralph Gentry Richard Orr, *Chainmen.*

Lione J. Stookey, *Moundman.*

Richard Orr, *Moundman.*

Axman.

Axman.

Warren Eyman, *Flagman.*

Subscribed and sworn to before me this 7th day of October, 1907

SEAL

Alonzo J. Stookey

U.S. Deputy Surveyor.

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FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, Alonzo J. Stookey, United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from Thomas Hull United States Surveyor General for Utah, bearing date of the 21st day of March, 1907, I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for Utah, the Manual of Surveying Instructions, and the laws of the United States, resurveyed all those parts or portions of the First Guide Meridian through Township No. 10 South, between Ranges 5 and 6 West

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

Alonzo J. Stookey
United States Deputy Surveyor.

Subscribed by said Alonzo J. Stookey, and sworn to before me this 2d day of January, 1908.

Thomas Hull
U.S. Surveyor-General
for Utah.

SEAL

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, May 8, 1908.

The foregoing field notes of the resurvey of the First Guide Meridian through T. 10 South, between Ranges 5 and 6 West of the Salt Lake Base and Meridian, Utah,

executed by Alonzo J. Stookey under his contract No. 206, dated March 21, 1907, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the resurveys they describe, are hereby approved.

Thomas Hull
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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FIELD NOTES

OF THE RE SURVEY OF THE

SUBDIVISION

OF

TOWNSHIP NO. 10 SOUTH

RANGE NO. 5 WEST

Of the SALT LAKE BASE AND *Meridian,*

STATE OF UTAH

AS SURVEYED BY

Alonzo J. Stookey, *United States Deputy Surveyor,*

Under his Contract No. 296, *dated* March 21, *1907.*

Re *Survey commenced* June 15, *1907.*

Re *Survey completed* June 15, *1907.*

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BOOK A-344

NAMES AND DUTIES OF ASSISTANTS.

Ralph Gentry	Chainman.
Asael Tanner,	Chainman.
Lionel J.Stookey	Moundman.
Richard Orr,	Moundman.
Warren Eyman,	Flagman.

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INDEX DIAGRAM.

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PRELIMINARY OATHS OF ASSISTANTS.

We, Ralph Gentry and Asael Tanner

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 the fractional subdivisions of Township No.10 S. Range No.5 West of the Salt Lake Base and Meridian, Utah

Asael Tanner, Chainman.

Ralph Gentry, Chainman.

Subscribed and sworn to before me this 29th day of May, 1907

SEAL

Lionel J. Stookey
U.S. Deputy Surveyor.

We, Lionel J. Stookey and Richard Orr

do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey of the fractional subdivisions of Township No.10 S., Range No.5 W. of the Salt Lake Base and Meridian, Utah.

Lionel J. Stookey, Moundman.

Richard Orr, Moundman.

Subscribed and sworn to before me this 29th day of May, 1907.

SEAL

Lionel J. Stookey
U.S. Deputy Surveyor.

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 ....., 190

SEAL

I, Warren Eyman, do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of the fractional subdivision of Township 10 S., Range 5 West of the Salt Lake Base and Meridian, Utah.

Warren Eyman, Flagman

Subscribed and sworn to before me this 29th day of May, 1907

SEAL

Lionel J. Stookey
U.S. Deputy Surveyor.

4-Bit

Resurvey of Subdivision of T.10 S., R. 5 W.

Chains. Survey commenced June 15, 1907, and executed with the instrument described in book "A" of this survey.

At 7 h. 0 m.a.m.l.m.t.I set off 39° 54' on lat.arc; 23° 18'N.on decl.arc; and determine a meridian with the solar at the standard cor.of secs.35 and 36 on S.bdy. of Tp. as re-established by myself and heretofore described. Thence I run

N.0°01'W.bet.secs.35 and 36,

Over gently rolling land and dense sage undergrowth.

2.90 Road West Tintic to Vernon, bears N.70° E. and S.70° W.

40.00 After diligent search I find no trace of old ¼ sec.cor.

Set a quartzite stone 15x12x4 ins., 10 ins.in the ground, for ¼ sec.cor., marked ¼ on W.face; dig pits 18x18x12 ins.N. and S.of stone 3 ft.dist;and raise a mound of eath 3½ ft.base 1½ ft.high W.of cor.

80.00 After diligent search find no trace of sec.cor.

Set a quartzite stone 15x8x7 ins., 10 ins.in the ground for cor.of secs.25,26,35, and 36, marked with 1 notch on S. and E.edges; and raise a mound of stone 2 ft. base, 1½ ft.high W.of cor.Pits impracticable.

Land gently rolling.

Soil, mountain loam and clay; 1st and 2d rate.

No timber.

Land covered with dense undergrowth 80.00 chs.

I sight a flag set at the cor.of secs.25,30,31, and 36 and run

N.89° 30'E.on random line bet.secs.25 and 36,

40.00 Set temp.¼ sec.cor.

80.00 Intersect E.bdy.of Tp.at the cor.of secs.25,30,31, and 36, heretofore described. Thence I run

S.89° 30'W.on true line bet.secs.25 and 36,

Over rolling land,

RESURVEY SUBDIVISION T. 10 S., R. 5 W.

Chains.	
19.00	Road from Cherry Creek to Vernon bears N. and S.
19.50	Enter wash 4 ft.deep, 6 ft.wide; drains N.
40.00	After diligent search I find no trace of old ¼ sec.cor. Set a quartzite stone 18x10x6 ins., 1 12 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.
	Ascend gently.
69.00	Top of ascent of quartzite ridge bears N.50° W. and S. 50° E.
	Descend.
76.00	Wash drains S. 45° E.
80.00	The cor.of secs.25,26,35, and 36.
	Land gently rolling.
	Soil mountain loam, stone and clay; 1st and 2d rate.
	No timber. Undergrowth sagebrush.
	Land covered with dense undergrowth 80.00 chs.
	N.0°01'W.bet.secs.25 and 26,
	Over rolling land; through dense sage undergrowth.
3.65	Wash drains S.45° E. Ascend gently.
40.00	After diligent search I find no trace of old ¼ sec.cor. Set a quartzite stone 16x8x6 ins.11 ins.in the ground for ¼ sec.cor., marked ¼ on W.face; and raise a mound of stones 2 ft.base, 1½ ft.high W.of cor.Pits impracticable.
52.30	Enter dense willow and wild rose undergrowth, bearing E. and W.
53.40	Leave willow and wild rose undergrowth.
77.00	Top of low ridge, 250 ft. above last named sec.cor. bears E. and W.
	Descend.
80.00	After diligent search find no trace of old sec.cor.

RESURVEY OF SUBDIVISION T. 10 S., R. 5 W.

Chains.	Set a quartzite stone 18x8x7 ins., 12 ins.in the ground for cor.of secs.23,24,25, and 26, marked with 1 notch on E. and 2 notches on S.edge and raise a mound of stones 2 ft.base, 1½ ft.high W.of cor.Pits impracticable.
	This cor.is on steep N.face of mountain.
	Land, rolling and mountainous.
	Soil, stony and mountain loam 1st and 3d rate.
	No timber.
	Undergrowth sage, willow and wild rose.
	Land covered with dense undergrowth 80.00 chs.
	I sight a flag set at the cor.of secs.19,24,25, and 30 and run for flag
	N.89° 42'E.on a random line bet.secs.24 and 25
40.00	No trace of old ¼ sec.cor. Set temp.¼ sec.cor.
80.20	Intersect E.bdy.of Tp.at the cor.of secs.19,24,25, and 30 heretofore described.
	Thence I run
	S.89° 42'W.on true line bet.secs.24 and 25
	Over rolling broken country, through dense sage undergrowth; down steep W.face of mountain.
8.83	Wash 3 ft. deep, 8 ft. wide, drains N.
11.05	Road from Cherry Creek to Vernon, bears N. and S.
	Ascend.
23.20	Top of ascent, bearing N. and S. 300 ft.above road.
28.10	Hollow or ravine heads S.40° W. about 20 chs.dist. and drains N.40° E.
40.10	Set a quartzite stone 16x8x6 ins.,11 ins.in the ground for ¼ sec.cor., marked ¼ on N.face; and raise a mound of stones 2 ft.base, 1½ ft.high N.of cor.Pits impracticable.
77.00	Top of gentle ascent bears N.45° E. and S.45° W.

RESURVEY OF SUBDIVISION T. 10 S., R. 5 W.

Chains.	
	Descend.
80.20	The cor.of secs.23,24,25, and 26.
	Land mountainous and rolling.
	Soil, stony and loam; 1st and 3d rate.
	No timber.
	Undergrowth sagebrush.
	Mountainous land or land covered with dense under-growth 80.20 chs.
	June 15: Sky overcast during the noon hour, observation for latitude impossible.
	From the standard cor.of secs.34 and 35 on S.bdy.of Tp. as re-established by myself and heretofore described, I run N.0°02'W.bet.secs.34 and 35,
	Over rolling land, through dense sagebrush.
0.79	From this point U.S.L.M.No.1, Blue Bell Mining District, which is a pine post 6 ins.square, firmly set marked and witnessed as described by the Surveyor General, bears N.44° 54'W.
15.80	Wash drains S.25° E.
	Begin ascent of west face of low quartzite ridge, bearing N.25° W. and S.25° E.
40.00	After diligent search find no trace of old ¼ sec.cor.
	Set a quartzite stone 18x7x5 ins., 12 ins.in the ground for ¼ sec.cor., marked ¼ on W.face; and raise a mound of stones 2 ft.base, 1½ ft.high W.of cor.Pits impracticable.
80.00	After diligent search find no trace of old sec.cor.
	Set a quartzite stone 15x7x5 ins., 10 ins.in the ground for cor.of secs.26,27,34, and 35, marked with 1 notch on S. and 2 notches on E.edge; and raise a mound of stones 2 ft.base, 1½ ft.high W.of cor.Pits impracticable.

RESURVEY OF SUBDIVISION OF T.10 S., R. 5 W.

Chains.	
	From this cor.U.S.L.M.No.1, Blue Bell Mining District bears N.70° 16'W.
	Land, rolling and broken.
	Soil, stony; 4th rate.
	No timber.
	Undergrowth sagebrush.
	Land covered with dense undergrowth 80.00 chs.
	N.89° 41'E. on random line bet.secs.26 and 35,
40.00	No trace of old ¼ sec.cor.Set temp.¼ sec.cor.
80.00	Intersect N. and S.line 5 lks.N.of cor.of secs.25,26, 35 and 36. Thence I run
	S.89° 43'W.on true line bet.secs.26 and 35,
	Over broken mountainous land; gently ascending.
40.00	Set a quartzite stone 15x10x8 ins., 10 ins.in the ground, for ¼ sec.cor., marked ¼ on N.face; raise a mound of stones 2 ft.base, 1½ ft.high N.of cor.Pits impracticable.
50.00	Ascent becomes steeper.
75.00	Top of ridge 300 ft.above corner, bears N. and S.
80.00	The cor.of secs.26,27,34, and 35.
	Land, broken and mountainous.
	Soil, stony and mountain loam; 1st and 3d rate.
	No timber.
	Mountainous land covered with dense undergrowth 80.00 chs.
	June 15, 1907.

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

Thomas J. Stephens
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 Alonzo J. Stookey, United States Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the survey of the fractional subdivision lines in T.10 S., R. 5 W., S.L.B. and M., Utah, showing the respective capacities in which they acted:

Ralph Gentry, *Chainman.*
Asael Tanner, *Chainman.*
Lionel J. Stookey, *Moundman.*
Richar Orr, *Moundman.*
, *Axman.*
, *Axman.*
Warren Eyman, *Flagman.*

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted Alonzo J. Stookey, United States Deputy Surveyor, in surveying all those parts or portions of the fractional subdivision lines in Township No. 10 South, Range No. 5 West 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.

Asael Tanner, *Chainman.*
Ralph Gentry, *Chainman.*
Lionel J. Stookey, *Moundman.*
Richard Orr, *Moundman.*
, *Axman.*
, *Axman.*
Warren Eyman, *Flagman.*

Subscribed and sworn to before me this 7th day of October, 1907.

SEAL

Alonzo J. Stookey
U. S. Deputy Surveyor.

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FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, Alonzo J. Stookey, United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from Thomas Hull United States Surveyor General for Utah, bearing date of the 21st day of March, 1907, I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for Utah, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of the fractional subdivisional lines in Township No. 10 South, Range No. 5 West of the Salt Lake Base and Meridian, in the State of Utah, which are represented in the foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for Utah and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

Alonzo J. Stookey
United States Deputy Surveyor.

Subscribed by said Alonzo J. Stookey, and sworn to before me this 24 day of January, 1908.

Thomas Hull
U.S. Surveyor-General
for Utah.

SEAL

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL.

Salt Lake City, Utah, May 8, 1908.

The foregoing field notes of the survey of the fractional subdivisional lines in Township No. 10 South, Range No. 5 West of the Salt Lake Base and Meridian, Utah,

executed by Alonzo J. Stookey under his contract No. 396, dated March 21, 1907, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Thomas Hull
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-344

F.

FIELD NOTES

OF THE SURVEY OF THE

S-U-B-D-I-V-I-S-I-O-N

O F

TOWNSHIP NO. 10 SOUTH

RANGE NO. 5 WEST

Of the SALT LAKE BASE AND *Meridian,*

U T A H

AS SURVEYED BY

Alonzo J. Stookey, *United States Deputy Surveyor,*

Under his Contract No. 296, *dated* March 21, *190* 7.

Survey commenced June 17, *190* 7.

Survey completed June 22, *190* 7.

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BOOK A-344

NAMES AND DUTIES OF ASSISTANTS.

Ralph Gentry	Chainman.
Asael Tanner,	Chainman.
Richard Orr,	Moundman.
Lionel J. Stookey	Moundman.
Warren Eyman,	Flagman.

BOOK A-344

INDEX DIAGRAM.

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Meanders Page.....

PRELIMINARY OATHS OF ASSISTANTS.

We, Ralph Gentry and Asael Tanner

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 the subdivisional lines in Tps.3 and 4 S., R. 19 W.;Tps.1 S., Rs.16, 17 and 18 W.; Tps.1 N., Rs.16, 17, and 18 W.and fractional Tps.10 S., Rs.5 and 6 West of the Salt Lake Base and Meridian, Utah.

Asael Tanner, *Chainman.*

Ralph Gentry, *Chainman.*

Subscribed and sworn to before me this 29th day of May, 190 7.

SEAL

Alonzo J. Stookey
U. S. Deputy Surveyor.

We, Lionel J. Stookey and Richard Orr

do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey of the subdivisional lines in Tps.3 and 4 S., R. 19 W.; Tps.1 S., Rs.16, 17 and 18 W.;Tps.1 N., Rs.16,17, and 18 W. and fractional Tps.10 S., Rs.5 and 6 W.of the S alt Lake Base and Meridian, Utah.

Lionel J. Stookey, *Moundman.*

Richard Orr, *Moundman.*

Subscribed and sworn to before me this 29th day of May, 190 7

SEAL

Alonzo J. Stookey
U. S. Deputy Surveyor.

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 ....., 190

SEAL

I, Warren Eyman, do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of the subdivisional lines in Tps.3 and 4 S., R. 19 W.; Tps.1 S., Rs.16, 17, and 18 W.; Tps.1 N., Rs.16, 17, and 18 W. and fractional Tps.10 S., Rs.5 and 6 W.of the Salt Lake Base and Meridian, Utah.

Warren Eyman, *Flagman.*

Subscribed and sworn to before me this 29th day of May, 190 7.

SEAL

Alonzo J. Stookey
U.S. Deputy Surveyor.

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SUBDIVISION OF T.10 S., R. 5 W.

Chains.	
	Survey commenced June 17, 1907, and executed with the instrument described in book "A" of this survey.
	At 7 h. 0 m.a.m.l.m.t.I set off 39° 56' on lat.arc; 23° 23'N.on decl.arc; and determine a meridian with the solar at the cor.of secs.23,24,25, and 26, as re-established by myself and heretofore described.
	Thence I run
	N.0°01'W.bet.secs.23 and 24,
	Over broken rolling land; through dense sage, serviceberry, and choke cherry undergrowth; along E.slope of mountain.
40.00	Set a quartzite stone 15x9x6 ins. 10 ins.in the ground for $\frac{1}{4}$ sec.cor., marked $\frac{1}{4}$ on W.face; and raise a mound of stones 2 ft.base, $1\frac{1}{2}$ ft.high W.of cor.Pits impracticable.
53.50	Top of low ridge, bearing N.30° E. and S.30° W.
	Descend gentle north slope.
73.00	Ravine 10 ft. deep, drains N.30° E.
80.00	Set a quartzite stone 18x7x6 ins., 12 ins.in the ground for cor.of secs.13,14,23, and 24, marked with 1 notch on E. and 3 notches on S.edge; and raise a mound of stones 2 ft.base, $1\frac{1}{2}$ ft.high W.of cor.Pits impracticable.
	Land, mountainous and rolling.
	Soil, stony and mountain loam; 1st and 3d rate.
	No timber.
	Land covered with dense undergrowth 80.00 chs.

	N.89° 48'E.on random line bet.secs.13 and 24,
40.00	Set temp.$\frac{1}{4}$ sec.cor.
80.16	Intersect E.bdy.of Tp. 8S 1ks.N.of cor.of secs.13,18, 19 and 24 as established by myself and heretofore described. Thence I run
	S.89° 45'W.on true line bet.secs.13 and 24,

SUBDIVISION OF T. 10 S., R. 5 W.

Chains.	
	Over broken mountainous land; descend over cliffs.
1.03	Hollow, drains S.45° W.
	Ascend.
10.00	Top of ascent 80 ft.above hollow, bears N. and S.
	Enter pine and cedar timber,bearing N. and S . Desc.
15.50	Bottom of hollow 75 ft.below ridge, drains S.15° W.
	Ascend.
22.60	Top of ascent bearing N. and S.
	Begin abrupt descent.
25.00	Leave pine and cedar timber, bearing N. and S.
36.00	Foot of steep descent, bears N. and S.
	Enter canyon bottom in dense sagebrush undergrowth.
40.08	Set a sandstone 15x12x4 ins. 10 ins.in the ground, for ¼ sec.cor., marked ¼ on N.face; from which
	A cedar 18 ins.dia.bears S.85° W. 2 chs.dist., marked ¼ S 24 B T
	A cedar 15 ins.dia.bears N.65° W. 2.35 chs.dist. marked ¼ S 13 B T
40.50	Dry wash, drains N.65° W.
41.00	Road, Cherry Creek to Vernon, bears N.85° W. and S.85° E.
54.00	Leave canyon bottom, bears N.50° W. and S.50° E.
	Ascend gently.
80.16	The cor.of secs.13,14,23, and 24.
	Land, mountainous.
	Soil, stony and mountain loam; 1st and 3d rate.
	Timber pine and cedar.
	Undergrowth sagebrush.
	Mountainous land or land covered with dense undergrowth 80.16 chs.
	June 17: At this cor.I set off 23° 23'N.on decl.arc; and at 12 M. l.m.t.observe the sun on the meridian the resulting lat.is 39° 57'

SUBDIVISION OF T. 10 S., R. 5 W.

Chains.	
	N.0°01'W.bet.secs.13 and 14,
	Over broken, rolling country; descending through dense sagebrush, serviceberry and choke cherry undergrowth.
32.20	Foot of descent 300 ft.below cor.; stream of pure water 5 lks.wide, 3 ins.deep, flows N.45° W.
	Thence across level creek bottom.
36.14	Road, Cherry Creek to Vernon, bears N.45° W. and S.45° E.
38.00	Leave creek bottom bears N.45° W. and S.45° E. and ascend bluff.
40.00	Set a limestone 15 x 12 x 4 ins., 10 ins.in the ground for $\frac{1}{4}$ sec.cor., marked $\frac{1}{4}$ on W.face; and raise a mound of stones 2 ft.base, $1\frac{1}{2}$ ft.high W .of cor.Pits impracticable.
40.85	Dugway bears N.80° W. and S.80° E.
41.80	Top of bluff bears E. and W.
	Descend.
42.10	Dugway, same as above, bears N.45° E. and S.45° W.
44.00	Foot of bluff bears N.45° E. and S.45° W.
	Thence across hollow.
46.00	Opposite side of hollow, drains S.15° W.
	Ascend.
51.00	Top of ascent bearing N.45° E. and S.45° W.
	Enter scattering cedar timber.
71.75	Ravine, drains S.85° W.
80.00	Set a quartzite stone 16x10x4 ins., 11 ins.in the ground, for cor.of secs.11,12,13, and 14, marked with 1 notch on E. and 4 notches on S.edges; and raise a mound of stones 2 ft.base, $1\frac{1}{2}$ ft.high W.of cor.Pits impracticable.
	Land, broken and rolling.
	Soil, stony and mountain loam; 1st and 3d rate.
	Timber scattering cedar.
	Mountainous land or land covered with dense under-

See C[illegible] Notes Boo[illegible] Page 1

Chains.	growth 80.00 chs.
	N.89° 45'E.on random line bet.secs.12 and 13,
40.00	Set temp.$\frac{1}{4}$ sec.cor.
80.28	Intersect E.bdy.of Tp.at the cor.of secs.7,12,13, and 18, as established by myself and heretofore described. Thence I run
	S.89° 45'W.on true line bet.secs.12 and 13,
	Over mountainous land; descending along S.face of ridge through scattering cedar.and pine.
35.00	Ridge bears N.80° E. and S.80° W.
	Descend along N.face of ridge into swale.
40.14	Set a quartzite stone 15x9x6 ins., 10 ins.in the ground for $\frac{1}{4}$ sec.cor., marked $\frac{1}{4}$ on N.face; and raise a mound of stones 3 ft.base, $1\frac{1}{2}$ ft.high N.of cor.Pits impracticable.
41.00	Bottom of swale drains N.40° W.
	Ascend gently.
50.00	Top of ascent same ridge as last named, bears.N.60° W. and S.60° E.
	Descend.
56.00	Dugway bears N. and S.
80.28	The cor.of secs.11,12,13, and 14.
	Land, mountainous.
	Soil, stony; 3d and 4th rate.
	Timber scattering cedar and pine.
	Mountainous land 80.28 chs.
	June 17, 1907.

Corrective es Book 6 el

June 18: At 7 h. 01 m. a.m.l.m.t.I set off 39° 57' on lat.arc; 23° 25' N.on decl.arc; and determine a meridian with the solar at the cor.of secs.11,12,13, and 14. Thence I run

SUBDIVISION OF T. 10 S., R. 5 W.

Chains.	
	N.0°01'W.bet.secs.11 and 12,
	Over rolling bench land, through scattering cedars and dense sagebrush.
24.50	Ravine, drains W.
39.00	Top of E.brow of quartzite knoll bears E. and W.
	Descending gently.
40.00	Set a quartzite stone 15x9x7 ins., 10 ins.in the ground for ¼ sec.cor., marked ¼ on W.face; and raise a mound of stones 2 ft.base, 1½ ft.high W.of cor.Pits impracticable.
51.75	Wood road bears N.50° E. and S.50° W.
55.10	Ravine with very small stream of water, 2 lks.wide, 2 ins.deep; drains west. Ascend gently.
80.00	Set a quartzite stone 18x8x6 ins., 12 ins.in the ground for cor.of secs.1,2,11, and 12, marked with 1 notch on E. and 5 notches on S.edges; from which
	A cedar 18 ins.diam.bears S.45° W. 2.16 chs.dist. marked T 10 S R 5 W S 11 B T
	No other bearing trees within limits; raise a mound of stones 2 ft.base, 1½ ft.high W.of cor.Pits impracticable.
	Land, rolling and broken
	Soil, stony and loam; 1st and 3d rate.
	Timber very few cedars.and pine.
	Undergrowth sagebrush.
	Land covered with dense undergrowth 80.00 chs.

See Corr. Notes Book G Page 2

	N.89° 45'E.on random line bet.secs.1 and 12,
40.00	Set temp.¼ sec.cor.
80.18	Intersect E.bdy.of Tp.18 lks.N.of cor.of secs.1,6,7 and 12, as established by myself and heretofore described. Thence I run
	S.89° 53'W.on true line bet.secs.1 and 12,
	Over mountainous land, along steep N.face.

See Corr. Notes Bk. Page 2

SUBDIVISION OF T. 10 S., R. 5 W.

Chains.	
7.00	Top of ridge bears N. 45° W. and S.45° E.
	Descend abruptly.
30.00	Foot of steep descent bears N. and S.
	Thence over rolling land through dense sagebrush.
40.09	Set a quartzite stone 15x10x6 ins., 10 ins.in the ground for ¼ sec.cor., marked ¼ on N.face; and raise a mound of stones 2 ft.base, 1½ ft.high N.of cor.Pits impracticable.
46.00	Ravine, drains N.45° W.
55.00	Wood road same as bet.secs.11 and 12, bears N.45° E. and S.45° W.
80.18	The cor.of secs.1,2,11, and 12.
	Land, mountainous and rolling.
	Soil, clay and stony 2d and 3d rate.
	Timber scattering pine and cedar.
	Mountainous land, or land covered with dense undergrowth 80.18 chs.
	June 18: Sky overcast during the noon hour, observation for lat.impossible.
	For reasons for discontinuing survey north, see note at end of notes of subdivision,this book.

Corrective
es Book 6
ge 2

June 18: At the cor.of secs.26,27,34 and 35, re-established by myself and heretofore described, lat.39° 55'N.; long.112° 23' W. I set off 39° 55' on lat.arc 23° 25'N.on decl.arc and at 4 h.01 m.p.m.l.m.t.determine with the solar a meridian and mark a point thereof on a stone firmly set in the ground 5 chs.N.of the cor.

June 18, 1907.

June 19: At 1 h. 44m.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 deter

SUBDIVISION OF T. 10 S., R. 5 W.

Chains.

termined on a peg driven in the ground 5 chs.N.of my station.

At 7 h. 0 m.a.m.l.m.t.I lay off the azimuth of Polaris 1° 33' to the West and mark the meridian thus determined by cutting a small groove in the stone set June 18, on which the meridian falls 0.4 ins.E.of the mark determined by the solar.

At 7 h. 31 m.a.m.l.m.t.I set off 39°54' on lat.arc; 23° 26'N.on decl.arc; and mark a point in the meridian determined with the solar by a cross on the stone already set 5 chs.N.of my station; this mark falls 0.4 ins.east of the meridian established by the Polaris observation.

The solar apparatus by p.m.and a.m.observations defines positions for meridians respectively about 0' 31" W. and 0.21 E.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 8 h. 01 m. a.m.is N.17° 29'W., the angle thus determined gives the mag.decl.17° 29' E.

From the sec.cor.already described I run

N.0°02'W.bet.secs.26 and 27,

Over mountainous land; through dense sagebrush, chokecherry and service berry undergrowth; ascending gently.

17.00 Top of quartzite ridge bears N.15° W. and S.15° E.

Descend along E.face.

40.00 Set a quartzite stone 15x8x6 ins., 10 ins.in the ground for ¼ sec.cor., marked ¼ on W.face; and raise a mound of stones 2 ft.base, 1½ ft.high W.of cor. Pits impracticable.

SUBDIVISION OF T. 10 S., R. 5 W.

Chains.

Continue over broken country.

80.00 Set a quartzite stone 15x7x6 ins., 10 ins.in the ground for cor.of secs.22,23,26, and 27, marked with 2 notches on S. and E.edges; and raise a mound of stones 2 ft.base, 1½ ft.high W.of cor.Pits impracticable.

This corner is on E.face of mountain.

Land, mountainous.

Soil, stony; 2d and 3d rate.

No timber.

Undergrowth sage, choke cherry, and service berry.

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

N.89° 43'E.on a random line bet.secs.23 and 26,

40.00 Set temp.¼ sec.cor.

79.70 Intersect N. and S.line 4 lks.S.of cor.of secs.23,24 25, and 26. Thence I run

S.89° 41'W.on true line bet.secs.23 and 26,

Over broken mountainous land, through dense sage, choke-cherry and serviceberry undergrowth.

21.00 Ridge bears N.45° W. and S.45° E. Descend.

39.85 Set a quartzite stone 15x7x5 ins., 10 ins.in the ground for ¼ sec.cor., marked ¼ on N.face; and raise a mound of stones 2 ft.base, 1½ ft.high N.of cor.Pits impracticable.

53.80 Hollow, 200 ft.below last named ridge, drains N. heads about 15 chs.S., and at its head is a low pass bearing E. and W., south of which water drains SE.

79.70 The cor.of secs.22,23,26, and 27.

Land, broken and mountainous.

Soil, stony and mountain loam; 3d and 1st rate.

No timber.

Undergrowth sage, choke cherry and serviceberry.

SUBDIVISION OF T. 10 S., R. 5 W.

Chains: Mountainous land or land covered with dense undergrowth 79.70 chs.

June 19: Sky overcast during the noon hour, observation for latitude impossible.

N.0°02'W.bet.secs.22 and 23,

Over rolling mountainous land; through dense sagebrush and serviceberry undergrowth.

40.00 Set a quartzite stone 14x8x6 ins., 9 ins.in the ground for $\frac{1}{4}$ sec.cor., marked $\frac{1}{4}$ on W.face; and raise a mound of stones 2 ft.base, $1\frac{1}{2}$ ft.high W.of cor.Pits impracticable.

70.00 Top of ridge bears S.15° W. and North; continue down ridge; descending gently.

80.00 Set a quartzite stone 18x7x6 ins., 12 ins.in the ground for cor.of secs.14,15,22, and 23, marked 2 notches on E. and 3 notches on S.edge; and raise a mound of stone 2 ft.base, $1\frac{1}{2}$ ft.high W.of cor.Pits impracticable.

Land, mountainous and broken.

Soil, stony and mountain loam; 1st and 3d rate.

No timber.

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

N.89° 41'E.on a random line bet.secs.14 and 23,

40.00 Set temp.$\frac{1}{4}$ sec.cor.

79.80 Intersect N. and S.line at the cor.of secs.13,14,23, and 24. Thence I run

S.89° 41'W.on a true line bet.secs.14 and 23m.

Over broken mountainous land; through dense sage and serviceberry undergrowth; ascending.

SUBDIVISION OF T. 10 S., R. 5 W.

Chains	
5.00	Top of ascent bearing N.15° E. and S.15° W.
	Descend.
15.00	Hollow, 50 ft.deep, drains N.15° E.
	Ascend.
37.00	Top of ridge 350 ft.above hollow; bears N. and S. Desc.
39.90	Set a quartzite stone 15x8 x 4 ins., 10 ins.in the ground for ¼ sec.cor., marked ¼ on N.face; and raise a mound of stones 2 ft.base, 1½ ft.high N.of cor.Pits impracticable.
66.50	Hollow 80 ft.deep, drains N.20° W.
79.80	The cor.of secs.14,15,22, and 23.
	Land, mountainous and broken.
	Soil, mountain loam and stony; 1st and 3d rates.
	No timber.
	Undergrowth sagebrush and service berry.
	Mountainous land or land covered with dense undergrowth 79.80 chs.
	June 19, 1907.

June 20: At 7 h.01 m.a.m.l.m.t.I set off 39° 56' on lat.arc; 23° 27'N.on decl.arc; and determine a meridian with the solar at the cor.of secs.14,15,22, and 23. Thence I run

N.0° 02'W.bet.secs.14 and 15,

Over mountainous land; through dense sagebrush, chokecherry and service berry undergrowth, down point of ridge.

5.00	Chokecherry Spring bears east about 2.50 chs.
9.00	Wash 6 ft.deep, drains N.18° E.
20.00	Stream from Chokecherry Spring, 3 lks.wide, 2 ins.deep, flows N.30° W.
30.00	Same stream 3 lks.wide, 2 ins.deep, flows N.30° E.
40.00	Set a sandstone 18x12x4 ins., 12 ins.in the ground

SUBDIVISION OF T. 10 S., R. 5 W.

Chains.	
	for ¼ sec.cor., marked ¼ on W.face; and raise a mound of stones 2 ft.base, 1½ ft.high W.of cor. on W. edge of stream'
	A quartz ledge bears N.40° W. 35 lks.dist. marked ¼ S B O
	Leave stream and begin gentle ascent.
58.50	Begin precipitous descent of bluff bearing E. and W.
60.40	Foot of descent, 125 ft.below top, bears E. and W.
61.40	Stream 5 lks.wide, 6 ins.deep, drains N.75° E.
62.25	Road, Vernon to mine, bears N.75° E. and S.75° W.
63.90	Wash 4 ft.deep, and small stream, 2 lks.wide, 2 ins.deep, flows S.70° E. Begin ascent.
80.00	Set a quartzite stone 18x8x6 ins., 12 ins.in the ground for cor.of secs.10,11,14, and 15, marked with 2 notches on E. and 4 notches on S.edge; and raise a mound of stones 2 ft.base, 1½ ft.high W.of cor.Pits impracticable.
	Land, mountainous and rolling.
	Soil, stony and mountain loam; 1st and 3d rate.
	No timber.
	Undergrowth sagebrush, choke cherry and sevice berry.
	Land covered with dense undergrowth 80.00 chs.

	N.89° 41'E.on a random line bet.secs.11 and 14,
40.00	Set temp.¼ sec.cor.
79.80	Intersect N. and S.line 14 lks.N.of cor.of secs.11,12, 13, and 14. Thance I run
	S.89° 47'W.on true line bet.secs.11 and 14,
	Over mountainous land; through scattering cedars and dense sagebrush; descending.
23.00	Foot of descent.
	Road, Cherry Creek to Vernon, bears N.60° W. and S.60° E.
	Leave dense undergrowth. Enter canyon bottom and cul-

See Co. Notes Bou Page 3

SUBDIVISION T. 10 S., R. 5 W.

Chains.	tivated ground, occupied by M.K.Green.
27.50	Wash, 12 ft.deep, 50 lks.wide and stream 4 lks.wide, 3 ins.deep, drains N.60° W.
30.00	From this point M.K.Green's house bears N.15° W.
32. 37	Leave cultivated land.
	Stream 5 lks.wide, 6 ins.deep, drains North.
33.00	Road, Vernon to mine, bears N. and S.
	Begin ascent.
39.90	Set a quartzite stone 15x8x6 ins., 10 ins.in the ground for ¼ sec.cor., marked ¼ on N.face; and raise a mound of stones 2 ft.base, 1½ ft.high N.of cor.Pits impracticable.
	From this cor.M.K.Green's house bears N.75° 35'E.
	Continue along S.side of mountain ridge.
79.80	The cor.of secs.10,11,14, and 15.
	Land, mountainous and level.
	Soil, stony and loam; 2d and 1st rate.
	Timber, scattering cedar.
	Undergrowth sagebrush.
	Mountainous land 70.43 chs.
	June 20: At this cor.I set off 23° 27'N.on decl.arc; and at 0 h.01 m.p.m.l.m.t.observe the sun on the meridian; the resulting lat.is 39° 57'
	N.0°02'W.bet.secs.10 and 11,
	Over mountainous land; through scattering cedar and dense sagebrush; ascending.
4.00	Pass, or saddle, bears E. and W. This pass is a low notch in the main ridge dividing Rush Valley proper from Little Valley, 200 ft.high.
	Descend along NW.face of ridge.
25.80	Hollow, 200 ft.below pass drains N.18° E. and ascend along SE.face.
40.00	Set a quartzite stone 15x8x7 ins., 10 ins.in the ground

Corrective Notes Book 6 Page 3

Corrective Notes Book 6 Page 3

SUBDIVISION OF T. 10 S., R. 5 W.

Chains.	
	for ¼ sec.cor., marked ¼ on W.face; and raise a mound of stones 2 ft.base, 1½ ft.high W.of cor.Pits impracticable.
43.00	Top of low ridge bears N.60° E. and S.60° W.
53.50	Begin descent into hollow.
68.50	Bottom of hollow, 225 ft.below ridge, drains N.18° E.
	Ascend over point of hill.
73.00	Top of ascent 25 ft.high bears N.45° E. and S.45° W.
	Descend gently.
80.00	Set a quartzite stone 18x9x7 ins., 12 ins.in the ground for cor.of secs.2,3,10, and 11, marked with 2 notches on E. and 5 notches on S.edge; and raise a mound of stones 2 ft.base, 1½ ft.high W.of cor.Pits impracticable.
	Land, mountainous and broken.
	Soil, stony; 2d and 3d rate.
	Timber scattering cedars.
	Undergrowth sagebrush.
	Mountainous land covered with dense undergrowth 80.00 chs.

See Cont. Notes Book Page 3

N.89° 47'E. on random line bet.secs.2 and 11,

40.00	Set temp.¼ sec.cor.
79.90	Intersect N. and S.line 9 lks.N.of cor.of secs.1,2,11 and 12. Thence I run

S.89° 51'W.on true line bet.secs.2 and 11,

Over rolling broken land, through dense sagebrush and scattering cedars; ascending.

19.50	Top of ascent 100 ft.above cor.bears N. and S.
	Descend; entering dense pine and cedar timber.
39.95	Set a quartzite stone 14x8x6 ins., 9 ins.in the ground for ¼ sec.cor., marked ¼ on N.face; from which

A cedar 12 ins.dia.bears N.65° E. 20 lks.dist. marked ¼ S 2 B T

See Cont. Notes Book Page 4

SUBDIVISION OF T. 10 S., R. 5 W.

Chains.	
	A cedar 7 ins.dia.bears S. 45° W. 40 lks.dist. marked ¼ S 11 B T.
54.60	Foot of steep descent, 300 ft.below ridge; leave timber.
	Road, Cherry Creek to Vernon, bears N.45° W. and S.45° E.
	Enter canyon bottom.
56.25	Wash 50 lks.wide, 15 ft.deep, stream 6 lks.wide, 6 ins. deep, drains N.40° W.
63.00	Leave bottom bears N.35° W. and S.35° E.
	Ascend.
66.50	Top of low bluff bears N. and S.
	Descend into wash.
67.80	Wash 10 ft.deep, drains N.
	Ascend bluff.
72.00	Top of bluff bears N. and S.
79.90	The cor.of secs.2,3,10, and 11.
	Land, mountainous and rolling.
	Soil, stony and loam; 3d and 1st rate.
	Timber cedar and pine.
	Undergrowth sagebrush.
	Mountainous land covered with dense undergrowth 79.90 chs.
	June 20, 1908.
	For reasons for discontinuing survey north see note at end of notes of subdivision, this book.

Corrective notes Book 6 page 4.

June 21: At 7 h.01 m.a.m.l.m.t.I set off 39° 54' on lat.arc; 23° 28'N.on decl.arc; and determine a meridian with the solar at the standard cor.of secs.33 and 34 on S.bdy.of Tp., as re-established by myself and heretofore described.

Thence I run

N.0°02'W.bet.secs.33 and 34,

SUBDIVISION OF T. 10 S., R. 5 W.

Chains.	
	Over rolling mountainous land; through dense sagebrush undergrowth; ascending gently through Horse Valley.
14.90	Wash or ravine, 20 ft.deep, drains S.40° E.
40.00	Set a quartzite stone 18x10x4 ins., 12 ins.in the ground for ¼ sec.cor., marked ¼ on W.face; and raise a mound of stones 2 ft.base, 1½ ft.high W.of cor. Pits impracticable.
45.50	Wash or ravine 25 ft.deep, drains S.38° E.
61.70	Wash or ravine, 15 ft.deep, drains S.45° E.
80.00	Set a quartzite stone 18x6x5 ins., 12 ins.in the ground for cor.of secs.27,28,33, and 34, marked with 3 notches on E. and 1 notch on S.edge; and raise a mound of stones 2 ft.base, 1½ ftbhigh W.of cor.Pits impracticable.
	Land, rolling and broken.
	Soil, loam and stony; 1st and 3d rate.
	No timber.
	Undergrowth sagebrush.
	Land covered with dense undergrowth 80.00 chs.

	N.89° 41'E.on random line bet.secs.27 and 34,
40.00	Set temp.¼ sec.cor.
80.00	Intersect N. and S.line 23 lks.N.of cor.of secs.26,27,34 and 35. Thence I run
	S.89°-51'W.on true line bet.secs.27 and 34,
	Over broken, rolling land; down steep descent; through dense sagebrush into Horse Valley.
24.00	Descent becomes gentle.
25.50	Wash drains S.10° E.
	Begin gentle ascent.
40.00	Set a quartzite stone 15x7x6 ins., 10 ins.in the ground for ¼ sec.cor., marked ¼ on N.face; and raise a mound of stones 2 ft.base, 1½ ft.high N.of cor. Pits impracticable.

SUBDIVISION OF T. 10 S., R. 5 W.

Chains.	
56.70	Wash drains S.50° E.; 8 ft.deep.
80.00	The cor.of secs.27,28,33, and 34.
	Land, rolling and broken.
	Soil, stony and loam; 3d and 1st rate.
	No timber.
	Undergrowth sagebrush.
	Land covered with dense undergrowth 80.00 chs.
	N.0°02'W.bet.secs.27 and 28,
	Over rolling broken ground; through dense sage and serviceberry undergrowth.
40.00	Set a quartzite stone 18x6x6 ins., 12 ins.in the ground for ¼ sec.cor., marked ¼ on W.face; and raise a mound of stones 2 ft.base, 1½ ft.high W.of cor.Pits impracticable.
67.00	Top of ascent, bears E. and W., divide between Horse Valley and Little Valley, 500 ft.above standard cor.
	Descend into Little Valley.
80.00	Set a quartzite stone 18x9x6 ins., 12 ins.in the ground for cor.of secs.21,22,27, and 28, marked with 3 notches on E. and 2 notches on S.edge; and raise a mound of stones 2 ft.base, 1½ ft.high W.of cor.Pits impracticable.
	Land, mountainous.
	Soil, stony and loam; 3d and 1st rate.
	No timber.
	Undergrowth sage and service berry.
	Land covered with dense undergrowth 80.00 chs.
	June 21: At this cor.I set off 23° 27'N.on decl.arc and at 0 h.01 m.p.m.l.m.t.observe the sun on the meridian; the resulting lat.is 39° 56'

SUBDIVISION OF T. 10 S., R. 5 W.

Chains.	
	N.89° 51'E.on random line bet.secs.22 and 27,
40.00	Set temp.¼ sec.cor.
80.00	Intersect N. and S.line 9 lks.S.of cor.of secs.22,23, 26, and 27. Thence I run
	S.89° 47'W.on true line bet.secs.22 and 27,
	Over rolling broken ground; through dense sage, serviceberry, choke cherry, and willow undergrowth;ascending.
20.00	Top of ridge bears N.45° E. and S.70° W. Thence along steep N.face.
40.00	Set a quartzite stone 15x10x8 ins., 10 ins.in the ground for ¼ sec.cor., marked ¼ on N.face; and raise a mound of stones 2 ft.base, 1½ ft.high N.of cor. Pits impracticable.
80.00	The cor.of secs.21,22,27, and 28.
	Land, mountainous and rolling.
	Soil, stont and loam; 3d and 1st rate.
	No timber.
	Undergrowth sage, choke cherry, serviceberry and willows.
	Land covered with dense undergrowth 80.00 chs.

N.0°02'W.bet.secs.21 and 22,

	Over broken, rolling, and mountainous land; through dense sage and service berry undergrowth; descending.
10.80	Foot of descent. Hollow 150 ft.deep, drains N.30° E.
	Ascend.
23.00	Top of low ridge bears N.20° E. and S.20° W.
	Descend gently.
40.00	Set a quartzite stone 18x8x6 ins., 12 ins.in the ground for ¼ sec.cor., marked ¼ on W.face; and raise a mound of stones 2 ft.base, 1½ ft.high W.of cor.Pits impracticable.

SUBDIVISION OF T. 10 S., R. 5 W.

Chains.	
42.50	Wash drains N.15° E.; 6 ft.deep.
	Thence along W.side of same.
50.10	Same was, drains N.20° W.
	Ascend over ledges.
63.00	Top of ledge 50 ft.above wash bears N.45° W. and S.45° E. Descend.
66.00	Miner's cabin bears west 1.80 chs.dist.
69.70	Road, Vernon to mine, bears E. and W.
72.70	Old cabin or dugout on line.
73.70	Wash, same as last named, drains N.10° E.
80.00	Set quartzite stone 18x7x6 ins.12 ins.in the ground, for cor.of secs.15,16,21, and 22, marked
	10 S on NE.
	5 W on SE. with 3 notches on S. and E.edges; and raise a mound of stones 2 ft.base, 1½ ft.high W.of cor.Pits impracticable.
	Land, mountainous and rolling.
	Soil, stony and loam; 3d and 1st rate.
	No timber.
	Undergrowth sage and serviceberry.
	Land, covered with dense undergrowth 80.00 chs.
	June 21,1907.

June 22: At 7 h.01 m.a.m.l.m.t.I set off 39° 56' on lat.arc; 23° 28'N.on decl.arc;and determine a meridian with the solar at the cor.of secs.15,16,21, and 22. Thence I run

N.89° 47'E.on a random line bet.secs.15 and 22,

40.00	Set temp.¼ sec.cor.
80.00	Intersect W. and S.line 14 lks. S.of cor.of secs.14,15, 22 and 23. Thence I run
	S.89° 41'W.on true line bet.secs.15 and 22,
	Over broken rolling land; through dense sagebrush.

SUBDIVISION OF T. 10 S., R. 5 W.

Chains.	
7.00	Wash, drains N.15° E.
	Ascend gently.
13.00	Top of ascent, bears N.15° E. and S.15° W. Descend.
20.25	Wash, drains N.20° E. Ascend.
40.10	Set a quartzite stone 15x6x6 ins., 10 ins.in the ground for ¼ sec.cor., marked ¼ on N.face; and raise a mound of stones 2 ft.base, 1½ ft.high N.of cor.Pits impracticable.
43.00	Begin gentle descent.
55.00	Wash, drains N.15° E.; ascend gently.
60.00	Top of ascent bears N.20° E. and S.20° W.
	Descend.
67.70	Wash, drains N.25° E.
68.40	Road, Vernon to mine, bears N.20° E. and S.20° W.
75.00	Begin descent to hollow.
79.60	Bottom of hollow 100 ft.below ridge drains N.15° E.
	Ascend.
80.20	The cor.of secs.15,16,21, and 22.
	Land, broken and rolling.
	Soil, stony and loam; 3d and 1st rate.
	No timber.
	Undergrowth sagebrush.
	Land covered with dense undergrowth 80.20 chs.

N.0°02'W.bet.secs.15 and 16,

	Over rolling land; through dense sage and serviceberry undergrowth.
9.00	Wash, 8 ft.deep, with stream 5 lks.wide 5 ins.deep, drains N.65° E.
24.00	Wash 15 ft.deep, drains N.70° E.
40.00	Set a quartzite stone 16x9x6 ins., 11 ins.in the ground for ¼ sec.cor., marked ¼ on W.face; and raise a mound of stones 2 ft.base, 1½ ft.high W.of cor.Pits impracticable.

Chains.	
71.55	Wash 10 ft.deep, drains E.
79.35	Wash 8 ft.deep, drains S.75° E.
80.00	Set a quartzite stone 18x10x6 ins., 12 ins.in the ground for cor.of secs.9,10,15, and 16, marked with 3 notches on E. and 4 notches on S.edge; and raise a mound of stones 2 ft.base, 1½ ft.high W.of cor.Pits impracticable.
	Land, rolling and almost level.
	Soil, stony and rich loam; 3d and 1st rate.
	No timber.
	Undergrowth sagebrush and serviceberry.
	Land covered with dense undergrowth 80.00 chs.
	N.89° 41'E.on random line bet.secs.10 and 15,
40.00	Set temp.¼ sec.cor.
80.14	Intersect N. and S.line 2 lks.S.of cor.of secs.10,11, 14, and 15. Thence I run
	S.89° 40'W.on true line bet.secs.10 and 15,
	Over rolling and mountainous land; through dense sagebrush undergrowth; ascending.
23.00	Top of ascent of low ridge bearing N. and S.
	Descend abruptly.
37.00	Foot of steep descent bears N. and S.
40.07	Set a quartzite stone 16x7x6 ins., 11 ins.in the ground for ¼ sec.cor., marked ¼ on N.face; and raise a mound of stones 2 ft.base, 1½ ft.high N.of cor.Pits impracticable.
47.65	Wash, 8 ft.deep, drains S.60°.E.
57.50	Same wash drains N.70° E.
59.40	Same wash, drains S.65° E.
65.45	Same wash drains N.60° E.
80.14	The cor.of secs.9,10,15, and 16.
	This line runs along S.base of mountain.
	Land, mountainous and rolling.

SUBDIVISION OF T. 10 S., R. 5 W.

Chains	
	Soil, stony and loam; 3d and 1st rate.
	Timber a few scattering cedars.
	Undergrowth sagebrush.
	Mountainous land, or land covered with dense undergrowth 80.14 chs.
	June 22: The sky overcast during the noon hour, observation for lat.impossible.
	N.0°02'W.bet.secs.9 and 10,
	Over rolling mountainous land; through dense sagebrush undergrowth; ascending.
35.00	Top of ascent, divide between Rush Valley proper and Little Valley, 400 ft.high, bears E. and W.
	Descend.
40.00	Set a quartzite stone 15x7x5 ins.. 10 ins.in the ground for $\frac{1}{4}$ sec.cor., marked $\frac{1}{4}$ on W.face; and raise a mound of stones 2 ft.base, $1\frac{1}{2}$ ft.high W.of cor.Pits impracticable.
68.00	Foot of descent, 450 ft.below ridge; hollow drains N. 45° E.
	Ascend; entering scattering cedar timber.
79.50	Top of ascent 135 ft.above hollow, bears N.45° E. and S.45° W.; thence along ridge.
80.00	Set a quartzite stone 15x8x5 ins., 10 ins.in the ground for cor.of secs.3,4,9, and 10, marked with 3 notches on E. and 5 notches on S.edge; and raise a mound of stones 2 ft.base, $1\frac{1}{2}$ ft.high W.of cor.Pits impracticable.
	Land, mountainous and broken.
	Soil, stony; 3d rate.
	Timber, few scattering cedars.
	Undergrowth sagebrush.
	Mountainous land 80.00 chs.

SUBDIVISION OF T. 10 S., R. 5 W.

Chains.	
	N.89° 40'E.on random line bet.secs.3 and 10,
40.00	Set temp.¼ sec.cor.
79.96	Intersect N. and S.line 11 lks.N.of cor.of secs.2,3, 10, and 11. Thence I run
	S.89° 45'W.on true line bet.secs.3 and 10,
	Over rolling broken ground; ascending through scattering cedars and dense sagebrush undergrowth.
9.20	Top of ascent bears N. and S.
39.98	Set a quartzite stone 15x7x6 ins., 10 ins.in the ground for ¼ sec.cor., marked ¼ on N.face; and raise a mound of stones 2 ft.base, 1½ ft.high N.of cor.Pits impracticable.
	A cedar 15 ins.diam.bears N.20° E. 1.75 chs.dist. marked ¼ S 3 B T
	No other bearing trees within limits.
	Begin gentle descent.
67.30	Hollow, 300 ft.below ¼ sec.cor., drains N.45° E.
79.00	Top of ascent 140 ft.above hollow.
79.96	The cor.of secs.3,4,9, and 10.
	Land, mountainous.
	Soil, stony; 3d rate.
	Timber, scattering cedars.
	Undergrowth sagebrush.
	Mountainous land, or land covered with dense undergrowth 79.96 chs.
	June 22, 1907.

Corrective
es Book 6
e 4

Note:
My contract and special instructions call for the survey in this township of not more than twelve sections of agricultural land, to include the land claimed by M.K.Green, applicant for survey. I find Mr.Green located in section 11, and have surveyed the agricultural land in his immediate vicinity. Secs.1, 2, and 3

SUBDIVISION OF T. 10 S., R. 5 W.

and the three western ranges of sections were not included in this survey.

GENERAL DESCRIPTION.

This township is rolling in the southeast and northwest, the remainder being mountainous. The soil is a rich black loam along the streams and swales; clay and gravel on the rolling bench; and stony in the more mountainous portions. A good per cent of the bench land is well adapted for arid farming; and the whole township affords a fair growth of bunch grass and other forage plants, rendering it valuable for grazing purposes.

Timber is not plentiful in the township; the bulk of it is found in the northeastern part, and consists of nut or pinion pine and cedar.

Iron and lead croppings were found on the greater part of the township; and some development work is being done on the numerous claims that are located within the township. The indications were not sufficient in the portion of the township surveyed by me to return any portion as mineral land.

The water supply is limited; while there are a number of streams and springs in the township, most of them are so small as to be of value mainly for watering stock.

There is but one settler in the portion of the township surveyed by me. M.K.Green, who resides on section 11, has improvements consisting of a small cabin, stable, and corral, worth about $250.00. He cultivates a very irregular piece of ground of about four or five

acres.

The remainder of the township adjoining this survey consists of rolling bench and mountainous land, affording good grazing; and should be subdivided.

Monroe J. Stookey.
U.S. Deputy Surveyor.

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

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

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

.....

showing the respective capacities in which they acted:

For list of names and final oaths of assistants see book "7.4", *Chainman.*

T. 1 N., R. 16 W. ....., *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 ....., 190

SEAL

.....

.....

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A-344

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 ....., 190 , 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 .....

For final affidavit see book "Z^4" T. 1 N., R. 16 W.

..... 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.

.....

United States Deputy Surveyor.

Subscribed by said ....., and sworn to before me this ..... day of ....., 190

SEAL

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, May 8, 190 8

The foregoing field notes of the survey of the subdivision of fractional Township No.10 South, Range No.5 West, of the Salt Lake Base and Meridian, Utah,

executed by Alonzo J.Stookey under his contract No. 296, dated March 21, 190 7, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Thomas Hall

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-344

4—679.

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SEP 2 1908

6.

CORRECTIVE

FIELD NOTES

To Book "F" Original Notes

OF THE SURVEY OF THE

S U B D I V I S I O N

O F

TOWNSHIP 10 SOUTH, RANGE 5 WEST

Of the SALT LAKE BASE AND *Meridian,*

U T A H,

AS SURVEYED BY

Alonzo J. Stookey, *United States Deputy Surveyor,*

Under his Contract No. 296, *dated* March 21, *190*7.

Survey commenced August 5, *190*8.

Survey completed August 5, *190*8.

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BOOK A-344

NAMES AND DUTIES OF ASSISTANTS.

David Sharp Jr. Chainman.

Lionel J.Stookey, Chainman and Roundman.

For preliminary affidavits see book 1 Tp. 1 S., R. 17 W.

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BOOK A-344

INDEX DIAGRAM.

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Meanders Page.....

BOOK A-344

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.

.....

....., *Chainman*

....., *Chainman*

Subscribed and sworn to before me this .....
day of ....., 190

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

.....

....., *Moundman*

....., *Moundman*

Subscribed and sworn to before me this .....
day of ....., 190

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

.....

....., *Axman*

....., *Axman*

Subscribed and sworn to before me this .....
day of ....., 190

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 ....., 190

SEAL

.....

.....

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CORRECTIVE NOTES

SUBDIVISION OF T. 10 S., R. 5 W.

Chains. Survey commenced Aug.5, 1908 and executed with the instrument described in book 5, corrective survey.

Knowing from tests made Aug.3 and 4, 1908 that my transit it is in adjustment I deem further tests at this time unnecessary.

At $7^h 6^m$ a.m.l.m.t.I set off 39° 56' on lat.arc, 17° 01' N.on decl.arc, and determine a meridian with the solar at the cor.of secs.13,14, 23, and 24, as established by myself and described in my original returns

Thence I run

N.0° 01'W.bet.secs.13 and 14,

40.00 Intersect ¼ sec.cor.

78.94 Find a quartzite stone 16 x 10 x 4 ins..lying loose on the ground, the cor.for secs.11,12,13, and 14,

80.00 Set above stone 11 ins.in the ground, for cor.of secs. 11,12,13, and 14, with the 1 notch on the E. and 4 notches on S.edges; and raise a mound of stone 2 ft. base, 1½ ft.high W.of cor. Destroy all trace of old corner.

No change in topography on this line.

See original notes book 7 page 3

N.89° 45'E.on random line bet.secs.12 and 13,

40.00 Set temp.¼ sec.cor.

80.16 Intersect E.bdy.of Tp.7 lks.S.of the cor.of secs. 7, 12,13, and 18, heretofore described.

Thence I run

S.89° 42'W.on true line bet.secs.12 and 13,

40.00 The ¼ sec.cor.set by me bears S.15° E. about 1 ch.dist. I destroy all trace of this ¼ sec.cor. and at

40.08 Set a quartzite stone 15 x 9 x 6 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.

80.16 The cor.of secs.11,12,13, and 14.

No change in topography on this line.

See original notes book 7 page 4

CORRECTIVE NOTES

SUBDIVISION OF T. 10 S., R. 5 W.

Chains.	
	N.0° 01'W.bet.secs.11 and 12,
39.00	Intersect $\frac{1}{4}$ sec.cor.set by me, Destroy all trace of it and at
40.00	Set same stone a quartzite 15 x 9 x 7 ins., 10 ins.in the ground for $\frac{1}{4}$ sec.cor., marked $\frac{1}{4}$ on W.face, and raise a mound of stone 2 ft.base, $1\frac{1}{2}$ ft.high W.of cor.
79.03$\frac{1}{2}$	Intersect cor.of secs.1,2,11, and 12, set by me, I destroy all trace of it and at
80.00	Set same stone a quartzite 18 x 8 x 6 ins., 12 ins.in the ground for cor.of secs.1,2, 11, and 12, marked with 1 notch on E. and 5 notches on S.edge; from which A cedar 6 ins.diam.bears S.70° W.1.96 chs.dist. marked T 10 S R 5 W S 11 B T A cedar 18 ins.diam.bears S.35° W. 3.06 chs.dist. marked T 10 S R 5 W S 11 B T No other bearing trees within limits; raise a mound of stone 2 ft.base, $1\frac{1}{2}$ ft.high W. of cor. No change in topography on this line.

See original notes book F page 5

	N.89° 42'E.on random line bet.secs.1 and 12,
40.00	Set temp.$\frac{1}{4}$ sec.cor.
80.24	Intersect E.bdy.of Tp. 11 lks.N.of the cor.of secs.1, 6,7, and 12, established by myself and heretofore described.
	Thence I run
	S.89° 47'W.on true line bet.secs.1 and 12,
40.00	The $\frac{1}{4}$ sec.cor.set by me bears S.10° E. about 1 ch.dist. I destroy all trace of same; and at
40.12	Set a quartzite stone 15 x 10 x 6 ins., 10 ins.in the ground for $\frac{1}{4}$ sec.cor. , marked $\frac{1}{4}$ on N.face; and raise a mound of stone 2 ft.base, $1\frac{1}{2}$ ft.high N.of cor.

See original notes book F page 5-6

CORRECTIVE NOTES

SUBDIVISION T. 10 S., R. 5 W.

Chains.		
80.24	The cor.of secs.1,2,11, and 12. No change in topography on this line.	
	From the cor.of secs.10,11,14, and 15, established by me and described in my original returns, I run N.89° 47'E.on random line bet.secs.11 and 14,	
40.00	Set temp.¼ sec.cor.	
80.02	Intersect N. and S .line 16 lks.S.of the cor.of secs. 11,12,13, and 14. Thence I run S.89° 40'W. on true line bet.secs.11 and 14,	
40.00	From this point original ¼ sec.cor.bears south about 50 lks.dist. I destroy all trace of it and at	See orig. notes. Page 1.
40.01	Set original stone a quartzite stone 15 x 8 x 6 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.	
80.02	The cor.of secs.10,11,14, and 15. No change in topography on this line. Aug.5: Sky overcast during the noon hour, observation for lat.impossible.	
	From the ¼ sec.cor.between secs.10 and 11, described in my original returns, I run N.0°02'W.bet.secs.10 and 11,	
39.77	Fall 10 lks.E.of the cor.of secs.2,3,10 and 11, set by me and described in my original returns. I destroy all trace of this sec.cor., and at	See orig. notes. Page 12
40.00	Set original stone, a quartzite 18 x 9 x 7 ins., 12 ins.in the ground for cor.of secs.2,3,10, and 11, marked wth 2 notches on E. and 5 notches on S.edge; and raise a mound of stone 2 ft.base, 1½ ft.high W. of cor.	

CORRECTIVE NOTES

SUBDIVISION T. 10 S., R. 5 W.

Chains.	No change in topography on this line.
	N.89° 40'E. on random line bet.secs.2 and 11
40.00	Set temp.¼ sec.cor.
80.20	Intersect N. and S.line 7 lks.N.of the cor.of secs.1,2, 11, and 12. Thence I run
	S.89° 43'W. bet.secs.2 and 11, on true line
40.00	Original ¼ sec.cor.bears S.10° E. about 45 lks.dist.I destr y all trace of this ¼ sec.cor. and at
40.10	Set original stone a quartzite 14 x 8 x 6 ins., 9 ins. in the ground, for ¼ sec.cor., marked ¼ on N.face; from which
	A cedar 14 ins.dia.bears N.70° E. 3 lks.dist. marked ¼ S 2 B T
	A cedar 12 ins.dia.bears S.14° E. 30 lks.dist. marked ¼ S 11 B T
80.20	The cor.of secs.2,3,10, and 11.
	No change in topography on this line.
	S.89° 45'W.on random line bet.secs.3 and 10,
40.00	Set temp.¼ sec.cor. Original ¼ sec.cor.bears south about 10 lks.dist. I destroy all trace of same.
79.96	Intersect N. and S.line 23 lks.N.of the cor.of secs.3, 4,9, and 10 . Thence I run
	N.89° 35'E.bet.secs.3 and 10, on true line,
39.98	Set original stone, a quartzite 15 x 7 x 6 ins., 10 ins.in the ground, for ¼ sec.cor., marked ¼ on N. face; from which
	A cedar 15 ins.dia.bears N.25° E. 1.65 chs.dist. marked ¼ S 3 B T
	No other bearing trees within limits; raise a mound of stone 3 ft.base, 1½ ft.high N.of cor.

See original notes book pages 13+14

See original notes book page 22

CORRECTIVE NOTES
SUBDIVISION T. 10 S., R. 5 W.

Chains.
79.96 The cor.of secs.3,5,10 and 11.

No change in topography on this line.

Aug.5, 1908.

Alonzo J. Stookey

U.S.Deputy Surveyor.

Note:

There being no notary public, or other officer authorized to administer oaths, within a reasonable distance at the beginning or ending of these corrective surveys; therefore, in order to save time and expense I administer the preliminary and final oaths myself.

Alonzo J. Stookey

U.S.Deputy Surveyor.

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BOOK A-344

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by Alonzo J.Stookey, United States Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the corrective survey of the subdivision of T. 10 S., R. 5 W.; T.4 S., R. 19 W.; and T. 1 S., R. 17 W. of the Salt Lake Base and Meridian, Utah, showing the respective capacities in which they acted:

David Sharp Jr., *Chainman.*

Lionel J.Stookey, *Chainman.*

Lionel J.Stookey, *Moundman.*

, *Moundman.*

, *Axman.*

, *Axman.*

, *Flagman.*

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted Alonzo J.Stookey, United States Deputy Surveyor, in surveying all those parts or portions of the subdivision of T. 10 S., R. 5 W.; T. 4 S., R. 19 W.; and T. 1 S., R. 17 W.

of the Salt Lake Base and meridian, State of Utah, which are represented in the foregoing corrective field notes as having been surveyed by him and under his direction; and that said corrective 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.

David Sharp Jr., *Chainman.*

Lionel J. Stookey, *Chainman.*

Lionel J. Stookey, *Moundman.*

, *Moundman.*

, *Axman.*

, *Axman.*

, *Flagman.*

Subscribed and sworn to before me this 5 day of August, 1908

SEAL

Alonzo J. Stookey
U. S. Deputy Surveyor

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BOOK A-344

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, Alonzo J. Stookey, United States Deputy Surveyor, solemnly swear that, in pursuance of a contract received from Thomas Hull United States Surveyor General for Utah, bearing date of 21st day of March, 1907, I have well, faithfully, and truly, in my c proper person, and in strict conformity with the instructions furnished by the United States Survey General for Utah, the Manual of Surveying Instructions, and the laws of t United States, surveyed all those parts or portions of the subdivision of T. 10 S., R 5 W.; T. 4 S., R. 19 W.; and T. 1 S., R. 17 W.

of the Salt Lake Ba and meridian, in the State of Utah, which are represented in t foregoing field notes as having been surveyed by me, and under my direction; and I do further sole swear that all the corners of said corrective survey have been established and perpetuated in strict accordance w the Manual of Surveying Instructions, and the special written instructions of the United States Surve General for Utah and in the specific manner described in the field notes, and t the foregoing are the original field notes of such corrective survey.

Alonzo J. Stookey
United States Deputy Survey

Subscribed by said Alonzo J. Stookey, and sworn to before me this 2 day of September, 1908

Jerald R. Letcher
Clerk U.S. District Court Dist
by Margaret B. Connell
Deputy

SEAL

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, December 4, 190

The foregoing field notes of the corrective survey of the subdivision of Township No. 10 South, Range No. 5 West of the Salt Lake Base and Meridian, Utah,

executed by Alonzo J. Stookey under his contract No. 296, dated March 21, 1907, having b critically examined, and the necessary corrections and explanations made, the said field notes, and corrective surveys they describe, are hereby approved.

Thomas Hull
United States Surveyor Gene

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

_____
United States Surveyor Gene

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4—679.

BOOK A-344

G.

FIELD NOTES

OF THE

RETRACEMENT AND RESURVEY OF THE

SECOND STANDARD PARALLEL SOUTH

THROUGH

RANGE 6 WESTT

Of the SALT LAKE BASE AND *Meridian,*

U T A H,

AS SURVEYED BY

Alonzo J.Stookey, *United States Deputy Surveyor,*

nder his Contract No. 296, *dated* March 21, *190*7.

racement and

urvey commenced June 23, *190*7

racement and

urvey completed June 25, *190*7.

6—151

Ret Lon 2.00 00 ✓
Res " 2.85 ✓
Res high 4.0274 ✓

60559

BOOK A-344

NAMES AND DUTIES OF ASSISTANTS.

Ralph Gentry,	Chainman.
Asael Tanner,	Chainman.
Lionel J.Stookey,	Chainman and Moundman,
Richard Orr,	Chainman and Moundman,
Warren Eyman,	Flagman.

For preliminary affidavits see book "C" Tp.10 S., R. 5 W.

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BOOK A-344

INDEX DIAGRAM.

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PRELIMINARY OATHS OF ASSISTANTS.

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

_____, *Chain*
_____, *Chainm*

Subscribed and sworn to before me this _____
day of _____, 190

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 surve
_____

_____, *Moundm*
_____, *Moundm*

Subscribed and sworn to before me this _____
day of _____, 190

SEAL

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

_____, *Axm*
_____, *Axm*

Subscribed and sworn to before me this _____
day of _____, 190

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 _____, 190

SEAL

RETRACEMENT SECOND STANDARD PARALLEL SOUTH, THROUGH R.6 WEST

Chains	
	Survey commenced June 23, 1907, and executed with the instrument described in book "A" of this survey.
	At 3 h. 02 m.p.m.l.m.t. I set off 39° 54' on lat.arc; 23° 27' N.on decl.arc; and determine a meridian with the solar at the standard cor.of Tp.10 S., Rs.5 and 6 W., as re-established by myself and heretofore described. Thence I run
	West on retracement line along S.bdy.of sec.36,
	Over broken land; through dense sagebrush and scattering cedars; descending.
10.60	Ravine, 10 ft.deep, drains S.
	Ascend.
22.00	Top of ridge, 200 ft.above ravine, bears N. and S.
40.00	I find no trace of old ¼ sec.cor.
	Set a slatestone 18x6x5 ins., 12 ins.in the ground, for standard ¼ sec.cor., marked S C ¼ on N.face; and raise a mound of stones 2 ft.base, 1½ ft.high N.of cor.Pits impracticable.
41.00	Stream 3 lks.wide, 2 ins.dep, flows S.20° W.
	Ascend.
41.50	Canyon road bears N.20° E. and S.20° W.
52.50	Leave cedars bearing N. and S.
56.00	Top of ascent bears N. and S., 250 ft.above ¼ sec.cor.
	Descend.
74.85	Bottom of hollow, drains S.
	Ascend.
80.00	Intersect original cor.of secs.35 and 36, which is a sandstone 18x6x6 ins., not firmly set, and markings indistinct, I reset same in original position, 12 ins.in the ground, for standard cor.of secs.35 and 36 marked S C.on N., with 1 groove on E. and 5 grooves on W.face; and raise a mound of stones 2 ft.base, 1½ ft.high N.of cor.Pits impracticable.
	Land, mountainous.
	Soil, stony and loam; 3d and 1st rate.

RETRACEMENT SECOND STANDARD PARALLEL SOUTH THROUGH RANGE 6 WEST.

Chains.	
	Timber scattering cedars.
	Undergrowth sagebrush.
	Mountainous land, or land covered with dense undergrowth 80.00 chs.
	Find no trace of closing cor.secs.1 & 2, T. 11 S. R. 6 W.
	West on retracement line S.of sec.35
	Over broken, mountainous land; through scattering cedars; ascending.
1.00	Top of ridge, bears N. and S.
	Descend.
3.00	Enter thick bunch of cedars, bearing N. and S.
13.00	Leave cedars, bear N. and S.
17.60	Rock Creek, 4 lks.wide, 2 ins.deep, flows S.15° W.
19.65	Canyon road, bears N. and S.
21.12	Joe Hillman's irrigation ditch, 2 ft.wide, 6 ins.deep, drains S.
	Ascend.
40.00	No trace of old $\frac{1}{4}$ sec.cor.
	Set a quartzite stone 14x8x8 ins., 9 ins.in the ground, for standard $\frac{1}{4}$ sec.cor., marked S C $\frac{1}{4}$ on N.face; and raise a mound of stones 2 ft.base, $1\frac{1}{2}$ ft.high N.of cor.Pits impracticable.
41.50	Top of ridge bears N. and S., 300 ft.above creek.
	Descend gently.
45.00	Bottom of swale, 100 ft.deep, drains S.
	Ascend.
52.00	Top of ridge, 100 ft.above swale, bears N.60° E. and S. 60° W.
	Descend along N.face of ridge.
80.00	Intersect original standard cor,, which is a sandstone 12 x 6 x 5 ins. above ground, not firmly set, and fr from which marks are obliterated. I destroy this old cor., and in its place
	Set a quartzite stone 15 x 9 x 5 ins., 10 ins.in the

RETRACEMENT SECOND STANDARD PARALLEL SOUTH THROUGH RANGE 6 WEST.

Chains.

ground for standard cor.of secs.34 and 35, marked S C on N.face; with 2 grooves on E. and 4 grooves on W. face; and raise a mound of stones 2 ft.base, 1½ ft. high N.of cor.Pits impracticable.

A cedar 12 ins.dia.marked as a bearing tree bears N.56° 30'W. 1.27 chs., markings indistinct, I remark same T 10 S R 6 W S 34 B T

A cedar 6 ins.diam.bears N.70° 40'E. 62 lks.dist. I mark T 10 S R 6 W S 35 B T

Land mountainous.

Soil stony and loam; 3d and 1st rate.

Timber cedars.

Undergrowth sagebrush.

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

Find no trace of closing cor.secs.2 & 3,T.11 S.R. 6 W.

June 23, 1907.

June 24, At 7 h.2 m.a.m.l.m.t.I set off 39° 54' on lat. arc; 23° 27'N.on decl.arc; and determine a meridian with the solar at the standard cor.of sections 34 [illegible], and 35.

Thence I run

West on retracement line along south boundary of township, but fail to find any trace of any standard ¼ or sec.cors,or of closing cors.,until at 325.59 chs.I.I intersect W.bdy.of Tp.1.04 chs.N.of standard cor.of Tp.10 S., Rs.6 and 7 W., which is a sandstone 15x9x7 ins. as described by the surveyor general, not firmly set, and with marks indistinct. I destroy all traces of this old corner; and at the same point

Set a quartzite stone 18x12x10 ins., 12 ins.in the grou ground, for standard cor.of Tp.10 S., Rs.6 and 7 W. marked with 6 grooves on N., E. and W.faces; from which

RETRACEMENT OF SECOND STANDARD PARALLEL SOUTH THROUGH RANGE 6 WEST

Chains. old bearing trees, markings indistinct, and which I remark, bears as follows:

A cedar, 10 ins.dia.bears N. 3° 00'E.2.05 chs.dist. marked T 10 S R 6 W. S 31 B T.

A cedar 6 ins.diam.bears N.3° 06'W. 1.67 lks. dist., I mark T 10 S R 7 W S 36 B T

At this cor., lat.39° 54' N., long. 112° 34'W. I set off 39° 54' on lat.arc; 23° 27'N.on decl.arc; and at 4 h.02 m.p.m.l.m. t. determine with the solar a meridian and mark a point thereof on a stone firmly set in the ground 5 chs.N.of the cor.

June 24, 1907.

June 25: At 1 h.21 m.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 peg driven in the ground 5 chs.N.of my station.

At 6 h.30 m.a. m.l.m.t.I lay off the azimuth of Polaris 1° 33' to the west, and mark the meridian thus determined, by cutting a small groove in the stone set June 24, on which the meridian falls 0.2 ins.west of the mark determined by the solar.

At 7 h.02 m.a.m.l.m.t.I set off 39.54'on lat.arc, 23° 26 N.on decl.arc; and mark a point in the meridian determined with the solar, by a cross on the stone already set 5 chs.N.of my station; this mark falls 0.3 west of the meridian established by the Polaris observation.

The solar apparatus by p.m.and a.m.observations defines positions for meridians respectively about 0' 11"E. and 0'16" W.of the meridian established by the Polaris observations; therefore I conclude that the adjust-

RESURVEY OF SECOND STANDARD PARALLEL SOUTH THROUGH RANGE 6 WEST.

Chains	
	ments of the instrument are satisfactory.
	The magnetic bearing of the true meridian at 7 h. 30m. a.m.is 17° 29'W. ; the angle thus determined gives the mag.decl.17° 29'E.
	My falling 1.04 chs answers to a correction of 0° 11' or 26 lks.S.per mile, counting from the standard cor. of secs.34 and 35. Therefore from the standard Tp. cor.already described, I run
	N.89° 49'E.along S.bdy.of sec.31,
	Over rolling bench; through sagebrush and scattering cedars.
13.94	Dry bed of creek, drains S.
	Difference bet.measurement of 45.59 chs.by two sets of chainmen is 8 lks.; position of middle point
	By 1st set 45.63 chs.
	By 2d set 45.55 chs.; the mean of which is
45. 59	Set a quartzite stone 18x10x5 ins., 12 ins.in the ground for standard $\frac{1}{4}$ sec.cor., marked S C $\frac{1}{4}$ on N. face; and raise a mound of stones 3 ft.base, $1\frac{1}{2}$ ft. high N.of cor.Pits impracticable.
65.59	Wood road, bears N. and S.
69.80	Wash, 3 chs.wide, 25 ft.deep, drains S.
	Ascend.
74.00	Top of ascent, 110 ft.above wash, bears N. and S.
	Descend.
84.60	Wash 110 ft.below ridge, drains S.
	Difference bet.measurements of 85.59 chs., by two sets of chainmen is 14 lks.; position of middle point
	By 1st set 85.66 chs.
	By 2d set 85.52 chs., the mean of which is
85.59	Set a quartzite stone 18x7x7 ins., 12 ins.in the ground for standard cor.of secs.31 and 32, marked S C on N., 1 groove on W. and 5 grooves on E.faces; from which

Chains.	
	A cedar, 14 ins.dia.bears N.50° E. 1.80 chs.dist. marked T 10 S R 6 W S 32 B T
	No other bearing trees within limits; raise a mound of stones 2 ft.base, 1½ ft.high N.of cor. Pits impracticable.
	Land, rolling.
	Soil, gravelly; 3d rate.
	Timber cedars.
	Undergrowth sagebrush.
	Land covered with dense undergrowth or cedars 85.59 chs.
	N.89° 49'E.along S.bdy.of sec.32,
	Over rolling bench land; through scattering cedar and dense sagebrush.
6.00	Top of ascent, 100 ft.high bearing N. and S.
	Descend.
20.00	Wash, 125 ft.below ridge, drains S.
	Ascend.
28.00	Top of ascent 125 ft.high,bears N. and S.
	Descend.
35.00	Wash 150 ft.below ridge, drains S.
	Thence over undulating ground.
	Difference bet.measurement of 40.00 chs.by two sets of chainmen is 9 lks.; position of middle point
	By 1st set 40.04½ chs.
	By 2d set 39.95½ chs.mean of which is
40.00	Set a quartzite stone 15x9x7 ins., 10 ins.in the ground, for standard ¼.sec.cor., marked S C ¼ on N.face; and raise a mound of stones 2 ft.base, 1½ ft.high N.of cor cor.Pits impracticable.
61.30	Wash or gully, drains S.
61.90	Wood road bears N.50° W. and S.50° E.
69.30	Wood road, same as above, bears N.25° E. and S.25° W.
71.75	Creek, 4 lks.wide, 4 ins.deep, drains S.20° W.

RESURVEY OF SECOND STANDARD PARALLEL SOUTH THROUGH RANGE 6 WEST.

Chains. This stream is skirted in places with cottonwood timber.

Difference bet.measurement of 80.00 chs.by two sets of chainmen is 16 lks.; position of middle point

By 1st set 80.08 chs.

By 2d set 79.92 chs.; the mean of which is

80.00 Set a quartzite stone 15x8x6 ins., 10 ins.in the ground, for standard cor.of secs.32 and 33, marked S C on N. face; 2 grooves on W. and 4 grooves on E.faces; and raise a mound of stones 2 ft.base, 1½ ft.high N.of cor.Pits impracticable.

Land, rolling.

Soil, gravelly; 2d and 3d rate.

Timber scattering cedars and cottonwood.

Undergrowth sagebrush.

Land covered with dense undergrowth 80.00 chs.

June 25: At this cor.I set off 23° 25' N.on decl.arc and at 0h2m p.m.l.m.t.observe the sun on the meridian the resulting lat.is 39° 53'

N.89° 49'E.along S.bdy.of sec.33,

Over rolling bench; through dense sagebrush and scattering cedars.

15.85 Wood road bears N.20° W. and S.20° E.

17.00 Wash, 10 ft.deep, drains S.

Difference bet.measurements of 40.00 chs.by two sets of chainmen is 6 lks.; position of middle point

By 1st set 40.03 chs.

By 2d set 39.97 chs., the mean of which is

40.00 Set a quartzite stone 18x6x6 ins., 12 ins.in the ground, for standard ¼ sec.cor., marked S C ¼ on N.face;from which

A cedar 6 ins.dia.bears N.8° W. 78 lks.dist., marked S C ¼ S B T

RESURVEY 2d STANDARD PARALLEL SOUTH THROUGH RANGE 6 WEST.

Chains.	
	A cedar 10 ins.diam.bears S.53° 25'W. 90 lks.dist. marked S C ¼ S B T
44.75	Ravine 4 chs.wide, 25 ft.deep, drains S.
68.68	Wood road bears N. and S.
	Difference bet.measurement of 80.00 chs.by two sets of chainmen is 20 lks.; position of middle point,
	By 1st set 80.10 chs.
	By 2 d set 79.90 chs.; the mean of which is
80.00	Set a quartzite stone 24x10x8 ins., 18 ins.in the ground for standard cor.of secs.33 and 34, marked with 3 grooves on E. and W.faces, S C on N.face; and raise a mound of stones 2 ft.base, 1½ ft.high N.of cor.Pits impracticable.
	Land, rolling.
	Soil, stony and gravelly; 3d rate.
	Timber scattering cedars.
	Undergrowth sagebrush.
	Land covered with dense undergrowth 80.00 chs.
	N.89° 49'E. along S.bdy.sec.34,
	Over rolling land; through dense sagebrush and scattering cedars.
0.90	Wash, 6 ft.deep, drains S.
2.25	Wood road bears N.75° W. and S.75° E.
8.15	Road to mine bears N.and S.
9.00	Enter cultivated ground, bears N.25° E. and S.25° W.
11.85	Leave cultivated field bears N.65° W. and S.65° E.
	This small field contains about 4 acres and is nearly square.
18.30	Water ditch, flows S.20° W.
22.00	Begin ascent, bearing N.35° E. and S.35° W.
	Difference bet.measurement of 40.00 chs.by two sets of chainmen is 6 lks.; position of middle point,

RESURVEY OF SECOND STANDARD PARALLEL SOUTH THROUGH RANGE 6 WEST.

Chains.	
	By 1st set 39.97 chs.
	By 2d set 40.03 chs., the mean of which is
40.00	Set a quartzite stone 18x8x6 ins., 12 ins.in the ground, for standard ¼ sec.cor.; marked S C ¼ on N.face; from which
	A cedar 10 ins.diam.bears S.25° E. 20 lks.dist. marked S C ¼ S B T
	A cedar, 10 ins.diam.bears N.80° W. 15 lks.dist. marked S C ¼ S B T
	This cor.is on top of ridge 200 ft.high, bearing E. and W.
	Begin descent bearing N.50° E. and W.
51.25	From this point house of Copper Jack mine bears N.29° 24'W.; mine bears N.29° 50'W.
	House of New Utah mine bears N.34° 13'W.; mine bears N. 37° 08'W.
58.70	Ravine 100 ft.below ridge, drains S.50° W.
	Ascend.
66.50	Top of ridge 200 ft.high bears N.50° E. and S.50° W.
	Descend.
77.30	Ravine or wash, 150 ft.deep, drains S.60° W.
	Difference bet.measurement of 80.00 chs.by two sets of chainmen is 14 lks.; position of middle point
	By 1st set 80.07 chs.
	By 2d set 79.93 chs., the mean of which is
80.00	The corcof secs.34 and 35, heretofore described.
	Land rolling and broken.
	Soil, gravel, loam and stony; 4d, 1st, and 2d rate.
	Timber, scattering cedars.
	Undergrowth sagebrush.
	Land covered with dense undergrowth 77.15 chs.
	June 25, 1907.

For general description see notes of the subdivi-

sion of this township.

Alonzo J. Stookey

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 Alonzo J.Stookey, 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 retracement and resurvey of the Second Standard Parallel South, through Ranges 5 and 6 West of the Salt Lake Base and Meridian, Utah,

showing the respective capacities in which they acted:

Ralph Gentry, Chainman, Richard Orr, *Chainman.*

Asael Tanner, Chainman, Lionel J.Stookey, *Chainman.*

Richard Orr, *Moundman.*

Lionel J.Stookey, *Moundman.*

, *Axman.*

, *Axman.*

Warren Eyman, *Flagman.*

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted Alonzo J.Stookey, United States Deputy Surveyor, in surveying all those parts or portions of the retracement and resurvey of the Second Standard Parallel South, through Ranges 5 and 6 West

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.

Asael Tanner, Lionel J. Stookey, *Chainman*

Ralph Gentry, Richard Orr, *Chainman.*

Lionel J. Stookey, *Moundman.*

Richard Orr, *Moundman.*

, *Axman.*

, *Axman.*

Warren Eyman, *Flagman.*

Subscribed and sworn to before me this 7th day of October, 1907.

SEAL

Alonzo J. Stookey

U.S.Deputy Surveyor.

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BOOK A-344

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, Alonzo J.Stookey, United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from Thomas Hull United States Surveyor General for Utah, bearing date of the 21st day of March, 1907, I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for Utah, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of the retracement and resurvey of the Second Standard Parallel South, through Ranges 5 and 6 West of the Salt Lake Base and meridian, in the State of Utah, which are represented in the foregoing field notes in books "C" and "G" as having been surveyed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for Utah and in the specific manner described in the field notes, and that the foregoing are the original field notes of such ~~survey~~ retracement and resurvey.

Alonzo J. Stookey
United States Deputy Surveyor

Subscribed by said Alonzo J.Stookey, and sworn to before me this 2d day of January, 1908

Thomas Hull
U.S.Surveyor-General
for Utah.

SEAL

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, May 8, 190

The foregoing field notes of the ~~survey of~~ retracement and resurvey of the Second Standard Parallel South, through Range No.6 West of the Salt Lake Base and Meridian, Utah,

executed by Alonzo J.Stookey under his contract No. 296, dated March 21, 1907, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the ~~surveys~~ retracement and resurveys they describe, are hereby approved.

Thomas Hull
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-344

H.

FIELD NOTES

OF THE SURVEY OF THE

RETRACEMENT

OF THE

WEST BOUNDARY

OF

TOWNSHIP NO. 10 SOUTH

RANGE NO. 6 WEST

Of the SALT LAKE BASEBAND *Meridian,*

UTAH,

AS SURVEYED BY

Alonzo J. Stookey, *United States Deputy Surveyor,*

nder his Contract No. 296, *dated* March 21, *190* 7.

etracement
urvey commenced June 26, *190* 7

etracement
urvey completed June 26, *190* 7.

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Corr 3-21-70 ✓
high 1-00-00 ✓

NAMES AND DUTIES OF ASSISTANTS.

Ralph Gentry.	Chainman.
Asael Tanner,	Chainman.
Lionel J.Stookey,	Moundman.
Richard Orr,	Moundman.
Warren Eyman,	Flagman.

For preliminary affidavits see book "A", T. 10 S., R. 5 W.

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BOOK A-344

INDEX DIAGRAM.

Township 10 S., R. 6, W *Range*

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2	30	29	28	27	26	25
1	31	32	33	34	35	36

Meanders Page

PRELIMINARY OATHS OF ASSISTANTS.

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

..... *Chainma*

..... *Chainm*

Subscribed and sworn to before me this .....
day of ....., 190

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
.....

..... *Mound*

..... *Mound*

Subscribed and sworn to before me this .....
day of ....., 190

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 survey
.....

..... *Axm*

..... *Axm*

Subscribed and sworn to before me this .....
day of ....., 190

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 ....., 190

SEAL

RETRACEMENT WEST BOUNDARY T. 10 S., R. 6 W.

Chains. Survey commenced June 26, 1907, and executed with the instrument described in book "A" of this survey.

Knowing from previous surveys that some of the corners on this line are missing; that others are in a dilapidated condition; and that the line is defective in measurement, I deem it necessary to retrace the W. bdy. before proceeding to subdivide.

June 26: At 7 h.02 m.a.m.l.m.t.I set off 39° 54' on lat. arc; 23° 25'N.on decl.arc, and determine a meridian with the solar at the standard cor.of Tp.10 S.,Rs.6 and 7 W., as re-established by myself and heretofore described. Thence I run

North bet.secs.31 and 36,

Over undulating ground; through dense sagebrush and scattering cedars.

40.53 Intersect old ¼sec.cor., which is a gray sandstone 18 x7x4 ins., not firmly set, and marks very indistinct; I brighten up the marks and reset stone in its original position 12 ins.in the ground, and

A cedar 12 ins.dia.bears N.45° E. 1.34 chs.dist., marked ¼ S 31 B T

No other bearing trees within limits; raise a mound of stone 2 ft.base, 1½ ft.high W.of cor.Pits impracticable.

72.25 Wash, 6 ft.deep, drains S.20° W.

80.62 Intersect old sec.cor., which is a stone 10 x 6 x 6 ins.lying loose on the ground, and markings indistinct. I re-establish this cor.in original position by setting a quartzite stone 18x6x6 ins., 12 ins.in the ground for cor.of secs.25,30,31, and 36, marked with 1 notch on S. and 5 notches on N. edges; and raise a mound of stones 2 ft.base, 1½ ft.high W.of cor.Pits impracticable.

Land, rolling.

RETRACEMENT WEST BOUNDARY T. 10 S., R. 6 W.

Chains.	Soil, gravelly and sandy; 3d rate. Timber scattering cedars. Undergrowth sagebrush. Land covered with dense undergrowth 80.62 chs.
	North bet.secs.25 and 30, Over undulating ground; through dense sagebrush and scattering cedars.
1.50.	Wash or gully drains S.18° W.
40.24	Intersect old ¼ sec.cor. , which is a quartzite stone 12 x 8 x 8 ins., not firmly set, and marks indistinct; I reset same in its original position, 8 ins.in the ground, for ¼ sec.cor., marked ¼ on W.face; and raise a mound of stone 2 ft.base, 1½ ft.high W.of cor.Pits impracticable. A cedar 10 ins.dia.bears S.41°10' E.90 lks.dist., marked ¼ S 30 B T A cedar 10 ins.diam.bears S 72°.30'W. 80 lks.dist. marked ¼ S 25 B T.
80.54	Intersect old cor.of secs.19,24,25, and 30, which is a quartzite stone 18x6x6 ins., lying loose on the ground, I reset same 12 ins.in the ground, mark 2 notches on S. and 4 notches on N.edge; A cedar 11 ins.dia.bears N.89° W. 23 lks.dist. marked T 10 S R 7 W S 24 B T A cedar 6 ins.diam.bears S.28° 30'E. 53 lks.dist. marked T 10 S R 6 W S 30 B T No other bearing trees within limits; raise a mound of stones 2 ft.base, 1½ ft.high W.of cor.Pits impracticable. Land, rolling. Soil, gravelly; 3d rate. Timber scattering cedars.

RETRACEMENT WEST BOUNDARY T. 10 S., R. 6 W.

Chains	
	Undergrowth sagebrush.
	Land covered with dense undergrowth 80.54 chs.
	June 26: The sky overcast during the noon hour; observation for lat.impossible.

North bet.secs.19 and 24,

	Over rolling broken land; through dense sagebrush undergrowth and scattering cedars.
24.30	Wash 10 ft.deep, drains S.35° W .
40.49	Intersect remains old ¼ sec.cor., which I re-establish at same point by
	Setting a quartzite stone 18x6x5 ins., 12 ins.in the ground, for ¼ sec.cor., marked ¼ on W.face; and raise a mound of stones 2 ft.base, 1½ ft.high W.of cor.Pits impracticable.
67.00	Wash or gully, 10 ft.deep, drains S.25° W.
74.95	Oak Brush Wash, now dry, 17 lks.wide, 4 ft.deep, drains S.5° W.; thence along wash.
80.54	Intersect what appears to be remains of old cor., which I re-establish by
	Setting a quartzite stone 16x8x5 ins., 11 ins.in the ground for cor.of secs.13,18,19, and 24, marked with 3 notches on N. and S.edges; and raise a mound of stones 2 ft.base, 1½ ft.high W.of cor.Pits impracticable.
	Land, rolling and broken.
	Soil, stony gravelly and loam; 3d,2d,and 1st rate.
	Timber, scattering cedars.
	Undergrowth sagebrush.
	Land covered with dense undergrowth 80.54 chs.

North bet.secs.13 and 18 .

	Through dense sagebrush and scattering cedars, over

RETRACEMENT WEST BOUNDARY T. 10 S., R. 6 W.

Chains.	
	broken land.
7.30	Leave Oak Brush Wash, which turns N.25° E.
28.00	Road to mine bears N.45° E. and S.45° W.
40.00	No trace of old ¼ sec.cor.
	Set a quartzite stone 16x10x8 ins., 11 ins.in the ground for ¼ sec.cor., marked ¼ on W.face; and raise a mound of stones 2 ft.base, 1½ ft.high W.of cor.Pits impracticable.
78.25	Top of quartzite ridge, 150 ft.above ¼ sec.cor., bears N.40° E. and S.40° W.
80.00	No trace of old sec.cor.
	Set a quartzite stone 20 x 14 x 4 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 stones 2 ft.base, 1½ ft.high W.of cor.Pits impracticable.
	Land, broken.
	Soil, stony and loam; 4th and 1st rate.
	Timber scattering cedars.
	Undergrowth sagebrush.
	Land covered with dense undergrowth 80.00 chs.
	June 26, 1907.

Being required to survey but 12 sections in this township; and knowing that A.H.Ekker, the applicant for survey, is located in the southern part of the township, I discontinue my survey north of this point.

Alonzo J. Stookey

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 Alonzo J.Stookey, United States Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the resurvey of E.bdy.T.10 S.R. 5 W.; retracement W.bdy.T.10 S., R.6 W. and N.bdy.T.10 S., R. 5 W.of the Salt Lake Base and Meridian, Utah, showing the respective capacities in which they acted:

Ralph Gentry, *Chainman.*

Asael Tanner, *Chainman.*

Lionel J.Stookey, *Moundman.*

Richard Orr, *Moundman.*

, *Axman.*

, *Axman.*

Warren Eyman, *Flagman.*

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted Alonzo J.Stookey, United States Deputy Surveyor, in surveying all those parts or portions of the resurvey of East Bdy.T.10 S., R. 5 W.; and retracement of North Bdy.T.10 S., R. 5 W. and West Bdy.T.10 S., R. 6 West 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 resurvey and retracement 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

Asael J. Tanner, *Chainman.*

Ralph Gentry, *Chainman.*

Lione J. Stokey, *Moundman.*

Richard Orr, *Moundman.*

, *Axman.*

, *Axman.*

Warren Eyman, *Flagman.*

Subscribed and sworn to before me this 7th day of October, 1907.

SEAL

Alonzo J. Stookey
U.S.Deputy Surveyor.

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FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, Alonzo J.Stookey, United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from Thomas Hull United States Surveyor General for Utah, bearing date of the 21st day of March, 1907, I have well, faithfully, and truly, in my w proper person, and in strict conformity with the instructions furnished by the United States Surveyo General for Utah, the Manual of Surveying Instructions, and the laws of th United States, surveyed all those parts or portions of the resurvey of the East Bdy. T. 10 South, R.5 West; and retracement of North Bdy.T.10 S., R. 5 West and West Bdy.T.10 South, R. 6 West

of the Salt Lake Base and meridian, in the State of Utah, which are represented in th foregoing field notes in books "A" and "H" as having been surveyed by me, and under my direction; and I do further solemnl swear that all the corners of said survey have been established and perpetuated in strict accordance wit the Manual of Surveying Instructions, and the special written instructions of the United States Surveyo General for Utah and in the specific manner described in the field notes, and th the foregoing are the original field notes of such survey.

Alonzo J. Stookey
United States Deputy Surveyo

Subscribed by said Alonzo J.Stookey, and sworn to before me this 2d day of January, 1908.

Thomas Hull
U.S.Surveyor-General
for Utah.

SEAL

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, May 8, 190

The foregoing field notes of the survey of retracement of the West Bdy.of Town ship No. 10 South, Range No. 6 West of the Salt Lake Base and Merid- ian. Utah,

executed by Alonzo J.Stookey under his contract No. 296, dated March 21, 1907, having be critically examined, and the necessary corrections and explanations made, the said field notes, and t retracement and resurveys they describe, are hereby approved.

Thomas Hull
United States Surveyor Gene

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

United States Surveyor Gene

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BOOK A-344

I.

FIELD NOTES

OF THE SURVEY OF THE

SUBDIVISION

OF

TOWNSHIP NO. 10 SOUTH,

RANGE NO. 6 WEST

Of the SALT LAKE BASE AND *Meridian,*

UTAH,

AS SURVEYED BY

Alonzo J. Stookey, *United States Deputy Surveyor,*

Under his Contract No. 296, *dated* March 21, *190*7,

Survey commenced June 28, *190*7.

Survey completed July 3, *190*7.

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High 23-21-53 ✓
Clvs. 5-10 ✓

BOOK A-344

NAMES AND DUTIES OF ASSISTANTS.

Ralph Gentry,	Chainman.
Asael Tanner,	Chainman.
Lionel J.Stookey	Moundman.
Richard Orr,	Moundman.
Warren Eyman,	Flagman.

For preliminary affidavits see book " F " T. 10 S ., R. 5 W.

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INDEX DIAGRAM.

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31 14	32 9	33 5	34 3	35 1	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 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 ....., 190

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 ....., 190

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 ....., 190

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 ....., 190

SEAL

SUBDIVISION OF T. 10 S., R. 6 W.

Chains.	
	Survey commenced June 28, 1907, and executed with the instrument described in book "A" of this survey.
	At 7 h. 33 m.a.m.l.m.t.I set off 39° 54' on lat.arc; 23° 21' N.on decl.arc; and determine a meridian with the solar at the standard cor.of secs.35 and 36 on S.bdy. of Tp., as re-established by myself and heretofore described. Thence I run
	N.0°01'W.bet.secs.35 and 36,
	Over rolling stony ground, through scattering cedar timber and dense undergrowth, along ridge bearing N. and S.
8.00	Leave ridge, bearing N.15° E. and S., and continue along W.face of ridge.
40.00	Set a quartzite stone 14x10x5 ins., 9 ins.in the ground for ¼ sec.cor., marked ¼ on W.face; and raise a mound of stones 2 ft.base, 1½ ft.high W.of cor.Pits impracticable.
48.00	Leave scattering cedars, bear N.20° E. and S.20° W.
	Enter creek bottom.
51.95	Rock Cr.4lks.wide, 3 ins.deep, drains S.2 0° W.
58.00	Canyon road bears N.20° E. and S.20° W.
66.00	Leave creek bottom, bears N.20° E., and S.2 0°W.
	Ascend, entering scattering cedar timber.
79.00	Top of ascent, bears E.and W.
	Descend gently.
80.00	Set a quartzite stone 15x9x5 ins., 10 ins.in the ground for cor.of secs.25,26,35, and 36, marked with 1 notch on S. and E.edges; from which
	A cedar 18 ins.dia.bears S.70° W., 67 lks.dist. marked T 10 S R 6 W S 35 B T
	A cedar 15 ins.dia.bears N.70° W. 74 lks.dist. marked T 10 S R 6 W S 26 B T
	No other trees within limits; raise a mound of stones 2 ft.base, 1½ ft.high W.of cor.Pits impracticable.

SUBDIVISION T. 10 S., R. 6 W.

Chains	
	Land, rolling and broken.
	Soil, stony and rich loam; 3d and 1st rate.
	Timber scattering cedars.
	Undergrowth sagebrush.
	Land covered with dense undergrowth 80.00 chs.
	East on a random line bet.secs.25 and 36,
40.00	Set temp.$\frac{1}{4}$ sec.cor.
80.00	Intersct E.bdy.of Tp.18 lks.S.of the cor.of secs.25,30 31 and 36, as re-established by myself and heretofore described. Thence I run
	S.89° 52'W.on true line bet.secs.25 and 36,
	Over mountainous land; through dense sagebrush, undergrowth and few scattering cedars; ascending gently.
16.00	Top of ascent bears N.60° E. and S.60° W.
	Descend NW.face of ridge.
40.00	Falls on stationary sandstone ledge,
	I cut a cross (X) at exact point for $\frac{1}{4}$ sec.cor., nad marked $\frac{1}{4}$ on N.of cross; and raised a mound of stones 2 ft.base, $1\frac{1}{2}$ ft.high N.of cor.Pits impracticable.
41.00	Enter oak and wild rose undergrowth bearing N and S.
51.70	Bottom of hollow 350 ft.below ridge, drains S.65° W.
54.40	Leave oak and wild rose undergrowth bearing N. and S.
55.53	Canyon road bears N.65° E. and S.65° W.
	Ascend.
65.00	Top of ascent bears N.20° E. and S.20° W.
	Descend.
71.35	Rock Creek, 4 lks.wide, 2 ins.deep, drains S.20° W.
72.46	Canyon road bears N. and S.
76.00	Begin steep ascent bearing N. and S.
80.00	The cor.of secs.25,26,35, and 36.
	Land, mountainous.

SUBDIVISION OF T. 10 S., R. 6 W.

Chains	
	Soil, stony and loam; 3d and 1st rate.
	Timber, scattering cedars.
	Undergrowth, sage, oak and wild rose.
	Mountainous land, or land covered with dense undergrowth 80.00 chs.
	Sky overcaset during the noon hour, observation for lat impossible.
	This corner stands at foot of steep high mountain; therefore I discontinue my survey north of this point.
	From the standard cor. of secs. 34 and 35 on S. bdy. of Tp. as re-established by myself and heretofore described, I run
	N. 0°01' W. bet. secs. 34 and 35,
	Over broken country, through scattering cedar and dense sagebrush.
0.75	Wash or ravine drains S. 60° W.
	Ascend.
21.00	Top of ridge, 350 ft. above cor., bears E. and S. 65° W.
	Descend.
31.00	Bottom of hollow, 250 ft. deep, drains S. 10° W.
	3 chs. W. of this point another hollow enters from the north. I proceed along E. side of latter hollow.
40.00	Set a quartzite stone 15x8x7 ins., 10 ins. in the ground for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; and raise a mound of stones 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor. Pits impracticable.
59.50	Ravine drains S. 50° W.; begin ascent of point of ridge.
79.00	Begin ascent of steep granite dome.
80.00	Point for section corner falls on steep inaccessible face of dome, dome
	Cut a cross (X) on top of dome 30 lks. N. of the exact point for cor. of secs. 26, 27, 34, and 35, with 1 notch on S. and 2 notches E. of cross; and raise a mound of

SUBDIVISION OF T. 10 S., R. 6 W.

Chains	
	stones 2 ft.base, 1½ ft.high 1 ft.NE.of cross; also drive a cedar peg 2 x 3 ins.2 ft.long, marked W C in crevise of rock 3 ft.NW.of cross.
	Land mountainous and broken.
	Soil, stony and loam; 1st and 3d rate.
	Timber, scattering cedars.
	Undergrowth sagebrush.
	Mountainous land, or land covered with dense undergrowth 80.00 chs.
	N. of East on a random line bet.secs.26 and 35,
40.00	Set temp.¼ sec.cor.
80.02	Intersect N. and S.line 67 lks.N.of cor.of secs.25,26, 35 and 36. Thence I run
	N.89° 57'W.on true line bet.secs.26 and 35,
	Over broken land, granite domes and boulders; ascending through scattering cedars.and dense sagebrush.
21.50	Top of ridge bears N. and S.
	Descend.
28.00	Bottom of descent.
	Ravine drains S.40° W.
	Ascend.
36.00	Top of ascent bears N.50° E. and S.50° W. 100 ft.above ravine.
	Descend.
40.01	Set a quartzite stone 18x7x4 ins., 12 ins.in the ground for ¼ sec.cor., marked ¼ on N.face; and raise a mound of stones 2 ft.base, 1½ ft.high N.of cor.Pits impracticable.
80.02	The cor.of secs.26,27,34, and 35.
	Land, mountainous.
	Soil, stony; 3d rate.
	Timber, scattering cedars.

SUBDIVISION OF T. 10 S., R. 6 W.

Chains: Mountainous land or land covered with dense undergrowth 80.02 chs.

This corner stands at foot of steep high mountain; therefore I discontinue my survey north of this point.

June 28, 1907.

June 29: At 7 h. 03m.a.m.l.m.t.I set off 39° 54' on lat.arc; 23° 18'N.on decl.arc; and determine a meridian with the solar at the standard cor.of secs.33 and 34 on S.bdy.of Tp., as established by myself and heretofore described. Thence I run

N.0°02'W.bet.secs.33 and 34,

Over rolling ground; through dense sagebrush and scattering cedars.

31.10 Road to mine, bears NE. and NW.

40.00 Set a quartzite stone 15x7x5 ins., 10 ins.in the ground for ¼ sec.cor., marked ¼ on W.face; from which

A cedar 10 ins.diam.bears East 37 lks.dist. marked ¼ S 34 B T

A cedar 10 ins.diam.bears N.55° W. 81 lks.dist. marked ¼ S 33 B T

55.28 From this point Copper Jack mine bears S.61°25'E.

House belonging to Copper Jack Mine bears N.85° 10'E.

New Utah mine bears S.54° 40'E.; house of same bears S.70°38'E.

77.50 Mine called Flying Dutchman bears N.41° 26' W.20.00 chs.

House of same bears N.32° 12'W. 20.00 chs.

80.00 Set a quartzite stone 16x8x5 ins., 11 ins.in the ground for cor.of secs.27,28,33, and 34, marked with 1 notch on S. and 3 notches on E.edge; from which

A cedar, 12 ins.dia.bears S.47° W. 50 lks.dist. marked T 10 S R 6 W S 33 B T

No other bearing trees within limits; raise a mound of

SUBDIVISION OF T. 10 S., R. 6 W.

Chains.	
	stones 2 ft.base, 1½ ft.high W.of cor.Pits impracticable.
	Land, rolling.
	Soil, gravelly and stony; 3d and 2d rate.
	Timber scattering cedars.
	Undergrowth sagebrush.
	Land covered with dense undergrowth 80.00 chs.
	N.89° 49'E.on random line bet.secs.27 and 34,
40.00	Set temp.¼ sec.cor.
80.00	Intersect N. and S.line at the cor.of secs.26,27,34, and 35. Thence I run
	S.89° 49'W.on true line bet.secs.27 and 34,
	Over broken undulating ground, granite domes, and boulders and dense sagebrush undergrowth.
40.00	Set a granite stone 18x10x8 ins., 12 ins.in the ground for ¼ sec.cor., marked ¼ on N.face; and raise a mound of stones 2 ft.base, 1½ ft.high N.of cor.Pits impracticable.
50.00	Begin steep descent, bearing N. and S.
58.00	Foot of descent, bearing N. and S.
61.30	Irrigation ditch, 5 lks.wide, 5 ins.deep, 150 ft.below ridge, course S.
65.30	Wood road bears N. and S.
80.00	The cor.of secs.27,28,33, and 34.
	Land, undulating and mountainous.
	Soil, stony and loam; 3d and 1st rate.
	Timber, scattering cedars.
	Undergrowth sagebrush.
	Mountainous land, or land covered with dense undergrowth 80.00 chs.
	June 29: At this cor.I set off 23°17'N.on decl.arc; and at 0 h. 03 m.p.m.l.m.t.observe the sun on the meridian; the resulting lat.is 39° 55'

SUBDIVISION OF T. 10 S., R. 6 W.

Chains.	
	N.0°02'W.bet.secs.27 and 28,
	Over rolling, broken land; through dense sage, willow oak, and serviceberry undergrowth and scattering cedar.
11.90	Stream 2 lks.wide, 2 ins.deep, flows S.25° W.
	Ascend gently.
18.90	Wood road bears N.25° E. and S.25° W.
30.70	Wood road bears N.70° W. and S.70° E.
31.27	Irrigation ditch, course S.70° E. ,3 lks.wide.
32.90	Unoccupied log cabin bears S.23° 10'E. about 10 chs. dist.
	Thence up point of ridge bearing N. and S.
38.00	Leave ridge bearing N.15° E. and South. Thence along west face.
40.00	Set a granite stone 14x8x6 ins., 9 ins.in the ground for ¼ sec.cor., marked ¼ on W.face; and raise a mound of stones 2 ft.base, 1½ ft.high W.of cor.Pits impracticable.
60.75	Enter thick dense oak brush bearing E. and W.
63.70	Wash 3 ft.deep, drains S.30° W.
	Thence through rocky gorge.
65.00	Leave oak brush bearing E. and W.
	Ascend.
77.00	Head of gorge, low granite ridge, bears E. and W.
	Descend.
80.00	Set a granite stone 18x8x6 ins., 12 ins.in the ground for cor.of secs.21,22,27, and 28, marked with 2 notches on S. and 3 notches on E.edges; from which
	A cedar, 30 ins.diam.bears S.2° 10'W. 1.75 chs. dist., marked T 10 S R 6 W S 28 B T
	A cedar 12 ins.dia.bears S.43° 30'E. 1.00 ch. dist., marked T 10 S R 6 W S 27 B T
	No other bearing trees within limits; raise a mound of stones 2 ft.base, 1½ ft.high W.of cor.

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Chains. Land rolling and mountainous.

Soil, loam and stony; 1st and 3d rate.

Timber scattering cedars.

Undergrowth, sagebrush, oak, willow and serviceberry.

Land covered with dense undergrowth 80.00 chs.

This cor. stands on E.side of canyon at foot of high steep mountain; therefore I discontinue my survey N. and E.of this point.

June 29: At the standard cor.of secs.32 and 33 on S.bdy. of Tp. established by myself and heretofore described; lat.39° 53' 53" N.; long. 112° 32' 04" W., I set off 39° 54' on lat.arc; 23° 17'N.on decl.arc; and at 4h. 03 m.p.m.l.m.t.determine with the solar a meridian, and mark a point thereof on a stone firmly set in the ground 5 chs.N.of the cor.

At 10 June 29, 1907.

June 30: At 1 h.01m.p.m.l.m.t.I observe Polaris at eastern elongation, in accordance with Manual of Instructions, and mark a point in the line thus determined on a peg driven in the ground 5 chs.N.of my station.

At 6 h. 30 m.a.m.lmm.t.I lay off the azimuth of Polaris 1° 33' to the west, and mark the meridian thus determined, by cutting a small groove in the stone set June 29, on which the meridian falls 0.4 ins.east of the mark determined by the solar.

At 7 h. 03 m.a.m.l.m.t.I set off 39° 54' on the lat.arc 23° 15'N.on the decl.arc; and mark a point in the meridian determined with the solar by a cross on the stone already set 5 chs.N.of my station; this mark falls 0.4 ins.east if the meridian established by the

SUBDIVISION OF T. 10 S., R. 6 W.

Chains.	
	Polaris observation.
	The solar apparatus by p.m. and a.m. observations defines positions for meridians respectively about 0' 21" west and 0' 21" 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 8 h. 05 m. a.m. is N.17° 29'W.; the angle thus determined gives the mag. decl. 17° 29'E.
	From the standard sec.cor. already described I run N.0°03'W. bet. secs. 32 and 33,
	Over rolling land; through dense sagebrush undergrowth and scattering cedars.
11.80	Stream, 3 lks. wide, 3 ins. deep, drains S.20° W.
18.10	Wood road bears S.28° W. and N.28° E.
24.45	Wood road bears S.45° W. and N.45° E.
32.00	S.W.cor. of A.H.Ekker's fence bears E. about 2 chs.
40.00	Set a quartzite stone 12x10x8 ins., 8 ins. in the ground for ¼ sec.cor., marked ¼ on W.face; from which
	A cedar 18 ins. diam. bears S.8° 40'E. 104 lks. dist. marked ¼ S 33 B T
	A cedar 8 ins. diam. bears N.6° 35'W. 91 lks. dist. marked ¼ S 32 B T
	A.H.Ekker's SW. fence cor. bears S.13° 14'E.
	SE. cor. bears S.55° 43'E.
	A.H.Ekker's house bears S.60° 05'E.
	Stable and corral about 3 chs. farther in same direction.
	NE. Cor. fence bears N.57° 13'E.
	NW. cor. fence bears N.25° 25'E.
45.87	From this point A.H.Ekker's SW. cor. bears S.8° 00'E.
	SE. Cor. bears S.43° 18'E.
	House bears S.45° 57'E.

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Chains.	
	NE.Cor.bears N.70° 09'E. and
	NW.Cor.bears N.36° 28'E.
80.00	Set a quartzite stone 12x10x8 ins., 8 ins.in the ground for cor.of secs.28,29,32, and 33, marked with 1 notch on S. and 4 notches on E.edge; from which
	A cedar 8 ins.dia.bears S.13° 10'E. 82 lks.dist. marked T 10 S R 6 W S 33 B T
	No other bearing trees within limits; raise a mound of stones 2 ft.base, 1½ ft.high W.of cor.Pits impracticable.
	Land, rolling.
	Soil, loam, sandy, and stony; 1st, 2d, and 3d rates.
	Timber scattering cedars.
	Land covered with dense undergrowth 80.00 chs.
	N.89°)49'E.on random line bet.secs.28 and 33,
40.00	Set temp.½ sec.cor.
80.00	Inters ct N. and S.line at the cor.of secs.27,28,33, and 34. Thence I run
	S.89° 49'W.on true line bet.secs.28 and 33,
	Over rolling ground, through dense sagebrush and scattering cedars; descending gently.
7.40	Foot of descent.
	Stream 2 lks.wide, 2 ins.deep, flows S.15° W.
8.20	Road to Flying Dutchman mine bears N.15° E. and S.15° W. Ascend.
13.00	Top of ascent bears NE and SW, 100 ft.high.
	Descend.
20.00	Ravine, 75 ft.deep, drains SW.
	Ascend.
27.00	Top of ascent bearing N.25° E. and S.25° W.
	Descend.
32.00	Ravine 70 ft.deep, drains S.25° W.
	Ascend.

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Chains.	
38.50	Top of ascent 100 ft.high, bears N.30° E. and S.30° W.
40.00	Set a quartzite stone 18x10x4 ins., 12 ins.in the ground for ¼ sec.cor., marked ¼ on N.face; from which
	A cedar 12 ins.dia.bears N.45° E. 24 lks.dist. marked ¼ S 28 B T
	A cedar 10 ins.diam.bears S.60° W. 18 lks.dist. marked ¼ S 33 B T
46.50	Wash 10 ft.deep, drains S.30° W.
58.14	Wood road bears S.28° E. and N.28° W.
58.44	Stream 2 lks.wide, 2 ins.deep, flows S.28° E.
65.33	Stream 3 lks.wide, 3 ins.deep, flows S.25° E.
73.41	Wood road bears N. and S.
80.00	The cor.of secs.28,29,32, and 33.
	Land, broken.
	Soil, loam and stony; 1st and 3d rate.
	Timber, scattering cedars.
	Land covered with dense undergrowth or mountainous land 80.00 chs.

N.0°03'W.bet.secs.28 and 29,

Over undulating ground; ascending gently through dense sagebrush and scattering cedars.and oak brush.

29.69	Wood road bears S.20° E. and N.20° W.
40.00	Set a sandstone 20x10x4 ins., 15 ins.in the ground, for ¼ sec.cor., marked ¼ on W.face; from which
	A cedar 12 ins.dia.bears N.75° W. 1 ch.dist., marked ¼ S 29 B T

No other bearing trees within limits; raise a mound of stones 2 ft.base, 1½ ft.high W.of cor.Pits impracticable.

June 30: At this cor.I set off 23° 13'N.on decl.arc; and at 0 h. 3m. p. m. l.m.t.observe the sun on the meridian; the resulting lat.is 39° 55'

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Chains.	
60.00	Stream about 3 chs.E., drains S.
	Thence up west side of stream.
80. 00	Set a sandstone 15x12x7 ins., 10 ins.in the ground, for cor.of secs.20,21,28, and 29, marked with 2 notches on S. and 4 notches on E.edge; and raise a mound of stones 2 ft.base, 1½ ft.high W.of cor.Pits impracticable.
	Land rolling.
	Soil, loam and gravelly and stony; 1st, 2d, and 3d rates.
	Timber scattering cedars.
	Undergrowth oak and sagebrush.
	Land covered with dense undergrowth 80.00 chs.
	I sight a flag set at the cor.of secs.21,22,27, and 28, and run for said flag
	N.89° 47' E.on random line bet.secs.21 and 28,
40.00	Set temp.¼ sec.cor.
80.04	Intersect N. and S.line at the cor.of secs.21,22,27, and 28. Thence I run
	S.89° 47'W.on true line bet.secs.21 and 28,
	Over broken, rolling land; through dense sage and oak brush and scattering cedars.
2.00	Stream 3 lks.wide, 2 ins.deep, flows S.28° W.
	Ascend.
18.00	Top of ascent bears N.30° E. and S.20° W.
	Descend.
40.02	Set a quartzite stone 18x8x6 ins., 12 ins.in the ground for ¼ sec.cor., marked ¼ on N.face; and raise a mound of stones 2 ft.base, 1½ ft.high N.of cor.Pits impracticable.
44.00	Wash 250 ft.below ridge; drains SW. Ascend gently.
49.00	Top of low ridge bears N. and S.
56.15	Stream 3 lks.wide, 2 ins.deep, drains S.

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Chains.	
	Ascend.
70.15	Top of ridge, 125 ft.high, bears N. and S. Descend.
76.50	Stream, 4 lks.wide, 3 ins.deep, drains S.
80.04	The cor.of secs.20,21,28, and 29..
	Land, mountainous and broken.
	Soil, loam and stony; 1st and 3d rate.
	Timber scattering cedars.
	Undergrowth Oak and sagebrush.
	Mountainous land covered with dense undergrowth 80.04 chs.

N.0°03'W.betwsecs.20 and 21,

	Over undulating ground; ascending.
0.75	Wood road bears NE. and SW.
40.00	Set a granite stone 18x8x6 ins., 12 ins.in the ground for ¼ sec.cor., marked ¼ on W.face; from which: A cedar 8 ins.dia.bears S.57° 30'W. 77 lks.dist. marked ¼ S 20 B T
	No other bearing trees within limits; raise a mound of stones 2 ft.base, 1½ ft.high W.of cor.Pits impracticable.
55.00	Ascent becomes steeper.
64.50	Top of ascent or ridge bearing N.30° E. and S.30° W. 350 ft.above ¼ sec.cor.; thence along W.face of ridge. On this line I notice iron and copper croppings.
80.00	Set a granite stone 18x6x5 ins., 12 ins.in the ground, for cor.of secs.16,17,20, and 21, marked with 4 notches on E. and 3 notches on S.edge; from which A cedar 18 ins.dia.bears N.60° 10'E. 1.07 chs.dist. marked T 10 S R 6 W S 16 B T
	No other bearing trees within limits; raise a mound of stones 2 ft.base, 1½ ft.high W.of cor.Pits impracticable.

SUBDIVISION OF T. 10 S., R. 6 W.

Chains	
	Land, rolling mountains.
	Soil, loam and stony; 1st and 3d rate.
	Timber, scattering cedars.
	Undergrowth, sagebrush.
	Mountainous land, covered with dense undergrowth 80.00 chs.
	Foot of steep mountain; discontinue survey here.
	June 30, 1907.
	July 1: At 7 h. 03 m.a.m.l.m.t.I set off 39° 54' on lat.arc; 23° 12' N.on decl.arc and determine a meridian with the solar at the standard cor.of secs.31 and 32 on S.bdy.of township, established by myself an and heretofore described. Thence I run
	N.0°03'W.bet.secs.31 and 32,
	Over rolling land, through dense sagebrush and scattering cedars; along W.face of hollow.
12.00	Bottom of hollow drains S.10° W.; ascend gently.
40.00	Set a sandstone 15x8x7 ins., 10 ins.in the ground for ¼ sec.cor., marked ¼ on W.face; and raise a mound of stones 2 ft.base, 1½ ft.high W.of cor.Pits impracticable.
53.70	Wood road bears N.18° E. and S.18° W.
	Ascend.
74.00	Stream 3 lks.wide, 2 ins.deep, drains SW.
80.00	Set a quartzite stone 18x8x4 ins., 12 ins.in the ground for cor.of secs.29,30,31, and 32, marked with 1 notch on S and 5 notches on E.edge; and raise a mound of stones 2 ft.base, 1½ ft.high W.of cor.Pits impracticable.
	Land, rolling.
	Soil, gravelly and stony; 2d and 3d rate.
	Timber, scattering cedars.

SUBDIVISION OF T. 10 S., R. 6 W.

Chains	
	Undergrowth sagebrush.
	Land covered with dense undergrowth 80.00 chs.
	N.89° 49'E.on random line bet.secs.29 and 32,
40.00	Set temp.$\frac{1}{4}$ sec.cor.
80.06	Intersect N. and S.line 11 lks.S.of cor.of secs.28,29, 32, and 33. Thence I run
	S.89° 44'W.on true line bet.secs.29 and 32,
	Over rolling land; through dense sagebrush and scattering cedars.
10.00	Wash, 5 ft.deep, drains South.
	Ascend gently.
13.00	Top of ascent bears N. and S.
	Descend.
20.00	Foot of descent; begin ascent bearing N. and S.
26.00	Top of ascent, bearing N.10° E. and S.10° W.
	Descend.
33.00	Wash, 6 ft.deep, drains south.
	Ascend gently.
38.00	Top of low ridge, bearing N. and S.
40.03	Set a quartzite stone 18x7x4 ins., 12 ins.in the ground for $\frac{1}{4}$ sec.cor., marked $\frac{1}{4}$ on N.face; and raise a mound of stones 2 ft.base, $1\frac{1}{2}$ ft.high N.of cor.Pits impracticable.
45.25	Ravine, 10 ft.deep, drains SW.
	Ascend.
53.00	Top of ascent, bearing N. and S., 50 ft.above wash.
58.00	Wash, 9 ft.deep, drains S. Ascend.
63.76	Wood road, same as on last mile, N., bears N.E. and S.W.
75.58	Stream, same as on last mile,N.,3 lks.wide, 2 ins.deep, drains S.W.
80.06	The cor.of secs.29,30,31, and 32.
	Land, rolling.

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Chains.

Soil, gravelly and stony; 2d and 3d rate.

Timber, scattering cedars.

Undergrowth sagebrush.

Land covered with dense undergrowth 80.06 chs.

July 1: At this cor.I set off 23° 10'N.on decl.arc; and at 0 h. 03 m.p.m.l.m.t.observe the sun on the meridian; the resulting lat.is 39° 54'

Knowing that I will not intersect the W.bdy.of the township within allowable limits I run

S.89° 49'W.on true line bet.secs.30 and 31,

Over rolling land, covered with dense sagebrush and scattering cedars.

40.00. Set a quartzite stone 15x9x7 ins., 10 ins.in the ground for ¼ sec.cor., marked ¼ on N.face; and raise a mound of stones 2 ft.base, 1½ ft.high N.of cor.Pits impracticable.

85.45 Intersect W.bdy.of Tp. 62 lks.S.of corner of sections 25, 30, 31, and 36, as re-established by myself and heretofore described,

Set a sandstone 20x12x4 ins., 15 ins.in the ground, for closing cor.of secs.30 and 31, marked C C on E., 1 groove on S. and 5 grooves on N.faces; and raise a mound of stones 2 ft.base, 1½ ft.high E.of cor.Destroy marks on old cor.pertaining to secs.30 and 31.

Land, rolling.

Soil, gravelly and stony; 2d and 3d rate.

Timber scattering cedars.

Land, covered with dense undergrowth 85.45 chs.

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SUBDIVISION OF T. 10 S., R. 6 W.

Chains.	
	N.0°03'W.bet.secs.29 and 30,
	Over rolling land, through dense sagebrush and scattering cedars.
6.00	Begin ascent of point of hill bearing N.10° E. and S. 10° W.
10.00	Top of hill 75 ft.high; thence along W.face.
20.00	Wash in ravine, drains S.15° W.
	Enter very heavy cedars.
29.00	Top of ridge 50 ft.above wash bears N.20° E. and S.20° W.; cedars become scattering.
40.00	Set a quartzite stone 18x10x5 ins., 12 ins.in the ground for ¼ sec.cor., marked ¼ on W.face; and raise a mound of stones 2 ft.base, 1½ ft.high W.of cor.Pits impracticable.
43.00	Wash, 10 ft.deep, drains S.25° W.
46.50	Wash, drains S.30° W.
	Ascend.ridge bearing N. and S.
75.00	Ridge bears N.15° E.and S.
80.00	Set a quartzite stone 15x9x7 ins., 10 ins.in the ground for cor.of secs.19,20,29, and 30, marked with 5 notches on E. and 2 notches on S.edge; from which
	A cedar 12 ins.diam.bears N.17° 30'E. 1.23 chs. dist., marked T 10 S R 6 W S 20 B T
	No other bearing trees within limits; raise a mound of stones 2 ft.base, 1½ ft.high W.of cor.Pits impracticable.
	Land, rolling.
	Soil, gravel and stony; 2d and 3d rate.
	Timber scattering cedars.71.00 chs., heavy 9.00 chs.
	Land covered with dense undergrowth or heavy cedar timber 80.00 chs.
	July 1, 1907.

SUBDIVISION OF T. 10 S., R. 6 W.

Chains	
	July 2: At 7 h. 04 m.a.m.l.m.t.I set off 39° 56' on lat.arc; 23° 08'N.on decl.arc; and determine a meridian with the solar at the cor.of secs.19, 20,29, and 30. Thence I run
	N.89° 44'E.on random line bet.secs.20 and 29,
40.00	Set temp.¼ sec.cor.
80.00	Intersect N. and S.line 14 lks.N.of cor.of secs.20,21, 28 and 29. Thence I run
	S.89° 50'W.on true line bet.secs.20 and 29,
	Over rolling, broken ground, through dense sagebrush and scattering cedars.
0.18	Wood road bears NE and SW.
5.00	Ascendascent.
21.60	Top of ascent 200 ft.high bears N. and S.; descend.
36.25	Foot of descent 250 ft.below top, bears N.40° E. and S. 40° W.
40.00	Set a quartzite stone 18x7x5 ins., 12 ins.in the ground for ¼ sec.cor., marked ¼ on N.face; and raise a mound of stones 2 ft.base, 1½ ft.high N.of cor.Pits impracticable.
45.15	Wood road bears N.15° W. and S.15° E.
49.25	Stream, 3 lks.wide, 2 ins.deep, drains S.25° E.
50.00	Begin ascent bearing N. and S.
60.00	Top of ascent of ridge bearing N. and S. 200 ft.above stream.
80.00	The cor.of secs.19,20,29, and 30.
	Land, rolling and broken.
	Soil, stony and loam; 3d and 1st rate.
	Timber, scattering cedars.
	Undergrowth sagebrush.
	Iron and copper croppings on this line.
	Land covered with dense undergrowth 80.00 chs.

SUBDIVISION OF T. 10 S., R. 6 W.

Chains.	
	Knowing that I will not intersect the W.bdy.of Tp., within allowable limits, I run S.89° 49'W.on true line bet.secs.19 and 30,
	Over rolling land; through dense sagebrush and scattering cedar timber; descending.
9.30	Bottom of small hollow, draining S.2 0° W.
	Ascend.
16.50	Top of low ridge bearing S.28° W. and N.28° E.
	Descend.
25.80	Ravine 10 ft.deep, drains S.30° W. Ascend.
30.30	Top of ascent bearing N.25° E. and S.25° W. Descend.
37.80	Ravine 20 ft.deep, drains S.30° W.
40.00	Set a sandstone 20x10x8 ins., 15 ins.in the ground, for ¼ sec.cor., marked ¼ on N.face; and raise a mound of stones 2 ft.base, 1½ ft.high N.of cor.Pits impracticable. Ascend.
50.30	Top of low cedar ridge, bearing N.15° E. and S.15° W.
	Descend.
55.55	Ravine 15 ft.deep, drains S.2 0° W. Ascend.
61.30	Top of low ridge, bearing N. and S.
65.50	Wash, 8 ft.deep, drains S.15° W. Ascend.
70.30	Top of ascent bearing N. and S. Descend.
85.30	Intersect W.bdy.of Tp.1.16 chs.S.of corner of sections 19, 24, 25, and 30, as established by myself and heretofore described.
	Set a sandstone 18x8x6 ins., 12 ins.in the ground, for closing cor.of secs.19 and 30, marked C C on E.face, with 4 grooves on N. and 2 grooves on S.face; and raise a mound of stones 2 ft.base, 1½ ft.high E.of cor. Destroy marks on old cor.pertaining to secs.19 & 30
	Land, rolling and broken.
	Soil, gravelly and stony 3d and 2d rate.
	Timber cedars.
	Land covered with dense undergrowth 85.30 chs .
	July 2: At this cor.I set off 23° 06'N.on declnatc; and

SUBDIVISION OF T. 10 S., R. 6 W.

Chains.	
	at 0 h. 04 m.p.m.l.m.t.observe the sun on the meridian, the resulting lat.is 39° 56'
	N.0°03'W.bet.secs.19 and 20,
	Over broken country; through cedars and dense sagebrush.
21.50	Top of ridge bearing N.60° E. and S .60° W. Descend.
39.50	Bottom of descent, 150 ft.below ridge.
40.00	Set a quartzite stone 15x10x4 ins., 10 ins.in the ground for ¼ sec.cor., marked ¼ on W .face; and raise a mound of stones 2 ft.base, 1½ ft.high W.of cor.Pits impracticable.
57.00	Top of ascent, 250 ft.high, bears E. and W. Descend.
62.50	Ravine 15 ft.deep, drains S.70° W. Ascend.
80.00	Set a limestone 15x10x9 ins., 10 ins.in the ground, for cor.of secs.17,18,19 and 20, marked with 3 notches on S. and 5 notches on E.edge; and raise a mound of st stones 2 ft.base, 1½ ft.high W.of cor.Pits impracticable.
	Land, rolling and broken.
	Soil, stony;2d rate.
	Timber, cedars. Undergrowth sagebrush.
	Mountainous land, or land covered with dense undergrowth 80.00 chs.
	N.89° 50'E.on random line bet.secs.17 and 20,
40.00	Set temp.¼ sec.cor.
80.08	Intersect N. and S.line 4 lks.S.of cor.of secs.16,17, 20 and 21. Thence I run
	S.89° 48'W.on true line betssecs.17 and 20,
	Over rough undulating land.
16.50	Wash, 10 ft.deep, drains S.45° W.
31.60	Wood road bears N.10° E. and S.10° W.
40.04	Set a quartzite stone 15x7x5 ins., 10 ins.in the ground

SUBDIVISION OF T. 10 S., R. 6 W.

Chains.	
	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.
40.45	Stream, 3 lks.wide, 3 ins.deep, drains S.15° W.
	Ascend.
50.50	Top of ascent, bearing N. and S., 200 ft.above stream.
	Descend.
64.80	Ravine or hollow, 100 ft.below ridge, drains S.30° E.
	Ascend.
70.00	Top of low ridge bearing N. and S.
80.08	The cor.of secs.17,18.19, and 20.
	Land, rolling broken and mountainous.
	Soil, stony; 3d rate.
	Timber, scattering cedars.
	Undergrowth sagebrush.
	Mountainous land 80.08 chs.
	July 2, 1908.

July 3: At 7 h. 04 m.a.m.l.m.t.I set off 39° 56¼ on lat. arc; 23° 03'N.on decl.arc and determine a meridian with the solar at the cor.of secs.17,18,19, and 20.

Knowing that I will not intersect the W.bdy.of the Tp. within allowable limits, I run

S.89° 49'W.on true line bet.secs.18 and 19,

Over mountainous and rolling land; through scattering cedars and dense sagebrush; along N.face of ridge; hollow 1 to 3 chs.N.

6.00	Top of ridge bearing N.70° E. and S.85° W. Descend, along N.face of long ridge.
40.00	Set a quartzite stone 15x9x7 ins., 10 ins.in the ground for ¼ sec.cor., marked ¼ on N.face and raise a mound of stones 2 ft.base, 1½ ft.high N.of cor.Pits impracticable.

SUBDIVISION OF T. 10 S., R. 6 W.

Chains.	
77.40	Foot of descent, bottom of hollow last named drains S. 55° W.
85.35	Intersect W.bdy.of Tp. 1.70 chs.S.of cor.secs.13.18.19 & 24, as established by myself and heretofore described. Set a quartzite stone 16x8x5 ins., 11 ins.in the ground for closing cor.of secs.18 and 19, marked C C on E., with 3 grooves on N. and S.faces; and raise a mound of stones 2 ft.base, 1½ ft.high E.of cor.Destroy[illegible] marks on old cor.pertaining to secs. 18 and 19
	Land, mountainous and broken.
	Soil, stony and gravelly; 3d rate.
	Timber, scattering cedars. Undergrowth sagebrush.
	Mountainous land and covered with dense undergrowth. 85.35 chs.
	N.0°03'W.bet.secs.17 and 18,
	Over mountainous land; through scattering cedars and dense sagebrush[illegible].
35.50	Top of saddle bears E. and W.
	Descend.
40.00	Set a quartzite stone 18x10x7 ins., 12 ins.in the ground for ¼ sec.cor., marked ¼ on W.face; and raise a mound of stones 2 ft.base, 1½ ft.high W.of cor.Pits impracticable.
	July 3: At this cor.I set off 23° 02'N.on decl.arc; and at 0 h. 04 m.p.m l.m.t.observe the sun on the meridian; the resulting lat.is 39° 57'
52.50	Hollow, 200 ft.below saddle; drains W.
	Ascend.
64.00	Enter oak brush bearing E. and W.
65.60	Leave oak brush.
80.00	Set a granite stone 15x12x9 ins., 10 ins.in the ground for cor.of secs.7,8,17, and 18, marked with 5 notches

SUBDIVISION OF T. 10 S., R. 6 W.

Chains	
	on E. and 4 notches on S.edges; and raise a mound of stones 2 ft.base, 1½ ft.high W.of cor.Pits impracticable.
	This corner is 50 lks.S.of top of granite ridge bearing E. and W. 280 ft.above hollow.
	Land, mountainous.
	Soil, loam and stony; 1srt and 3d rate.
	Timber, scattering cedars.
	Undergrowth oak and sage brush.
	Mountainous land covered with dense undergrowth 80.00 chs.
	Knowing that I will not intersect the W.bdy.of the township within allowable limits, I run S,89° 49'W.on true line bet.secs.7 and 18,
	Over mountainous land; through scattering cedars and dense sagebrush, along steep descent.
19.50	Foot of descent.
	Stream 3 lks.wide, 2 ins.deep, flows S.45° W.
	Ascend.
26.00	Top of ascent bearing N. and S.
	Thence over almost level bench.
40.00	Set a quartzite stone 18 x 6 x 6 ins., 12 ins.in the ground, for ¼ sec.cor., marked ¼ on N.face; and raise a mound of stones 2 ft.base, 1½ ft.high N.of cor.Pits impracticable.
44.20	Wood road bears N.25° E. and S.25° W. ;road to mine.
	Ascend.
55.00	Top of ridgat, 100 ft.above road bears N.45° E. and S. 45° W.
	Descend, along NW.face of ridge.
64.25	Hollow, 125 ft.below ridge, drains S.55° W.
	Ascend.

SUBDIVISION OF T. 10 S., R. 6 W.

Chains.	
85.23	Top of ridge, bears N.55° E. and S.55° W.
	Intersect W.bdy.of Tp 1.62 chs.S.of corner of sections 7, 12, 13, and 18, as established by myself and heretofore described.
	Set a quartzite stone 16 x 10 x 8 ins., 11 ins.in the ground for closing cor.of secs.7 and 18, marked C C on E.face, with 4 grooves on S. and 2 grooves on N. faces, and raise a mound of stones 2 ft.base, 1½ ft. high E.of cor.Destroy marks on old cor.pertaining to secs.7 and 18.
	Land, mountainous and rolling.
	Soil, stony and loam; 4th and 1st rate.
	Timber, scattering cedars.
	Undergrowth, sagebrush.
	Mountainous land and covered with dense undergrowth 85.23 chs.
	July 3, 1907.

SUBDIVISION T. 10 S., R. 6 W.

GENERAL DESCRIPTION.

This township is rough and mountainous in the northeastern and broken and rolling in the southwestern portions. The soil is stony or gravel, except narrow strips of black loam along the streams. The township is so rolling and broken that there is but little land within its boundaries fit for cultivation. It affords a fair growth of bunch grass and other forage plants, and is valuable mainly for grazing purposes.

The mountainous portion of the township is highly mineralized; and considerable development work is being done on the "Copper Jack", "New Utah" and "Flying Dutchman" claims. On the portion of the township surveyed by me I found no patented mining claims, nor were there any U.S.Mineral Monuments visible that could be located by intersecting bearings.

The township contains numerous streams, but they are all small; aside from a few of the largest which are used for irrigation, they are valuable mainly for watering livestock.

Almost the entire portion of the township surveyed by me affords a fair growth of scattering cedar timber.

There is but one bona fide resident in the township, A.H.Ekker, who resides in sec.33. His improvements consist of a three-room log house, stable, corral and shed, valued at about $1,000.00. He has about 15 acres of land under cultivation.

The "Flying Dutchman" mining claim is located on section 28, with surface improvements valued at about $200.00. "Copper Jack" and "New Utah" mining claims are both on sec.34, with surface improvements consisting of shaft house, bunk house, and other buildings to the value of about $500.00 each.

Alonzo J. Stookey.
U.S.Deputy Surveyor.

BOOK A-344

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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:

For list of names and final affidavits see book "Z4" Tp. 1 N., R. 16 W., *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 _____, 190

SEAL

_____

_____

BOOK A-344

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 th ..... day of ....., 190 , I have well, faithfully, and truly, in my proper person, and in strict conformity with the instructions furnished by the United States Survey General for ....., the Manual of Surveying Instructions, and the laws of th United States, surveyed all those parts or portions of

For final affidavit see book "Z^4" T. 1 N., R. 16 W.

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

United States Deputy Surveyo

Subscribed by said ....., and sworn to before me this ..... day of ....., 190

SEAL

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, May 8, 190 8

The foregoing field notes of the survey of the subdivision of fractonal townshi No.10 South, Range No.6 West of the Salt Lake Base and Meridian, Utah

executed by Alonzo J.Stookey under his contract No. 296, dated March 21, 190 7, having bee critically examined, and the necessary corrections and explanations made, the said field notes, and th surveys they describe, are hereby approved.

Thomas Hull

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 Gene

6—151

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4—679.

BOOK A-344

J.

FIELD NOTES

OF THE RE SURVEY OF THE

UTAH-NEVADA BOUNDARY LINE

FROM

421 to 623 Mile Posts

THROUGH

TOWNSHIPS 2, 3, and 4 SOUTH

RANGE NO. 19 WEST

Of the SALT LAKE BASE AND *Meridian,*

U T A H

AS SURVEYED BY

Alonzo J. Stookey, *United States Deputy Surveyor,*

nder his Contract No. 296, *dated* March 21, *190*7

uvey commenced July 22, *190*7.

uvey completed July 25, *190*7.

6—151

High 4-49-93 ✓

Low 15-29-10 ✓

BOOK A-344

NAMES AND DUTIES OF ASSISTANTS.

Ralph Gentry,	Chainman.
Asael Tanner,	Chainman.
Richard Orr,	Moundman.
Lionel J. Stookey,	Moundman.
Warren Eyman,	Flagman.

Nev. Bdy.

BOOK A-344

INDEX DIAGRAM.

*Township*_____, *Range*_____

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

*Meanders Page*_____

PRELIMINARY OATHS OF ASSISTANTS.

We, Ralph Gentry and Asael Tanner

do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level t chain upon even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; t we will report the true distances to all notable objects, and the true lengths of all lines that we assist measuring, to the best of our skill and ability, and in accordance with instructions given us, in the re survey the Utah-Nevada Boundary line through Tps.2, 3, and 4 S., R. 19 W. the Salt Lake Base and Meridian, Utah.

Asael Tanner, Chain

Ralph Gentry, Chainma

Subscribed and sworn to before me this 29th day of May, 190 7.

Alonzo J. Stookey

U.S. Deputy Surveyor.

SEAL

We, Richard Orr and Lionel J. Stookey

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 re survey the Utah-Nevada Boundary line through Tps. 2,3, and 4 S., R. 19 W. of the Salt Lake Base and Meridian, Utah.

Lionel J. Stookey, Mound

Richard Orr, Mound

Subscribed and sworn to before me this 29th day of May, 190 7.

Alonzo J. Stookey

U.S. Deputy Surveyor.

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 ____

____, Axmu

____, Axmu

Subscribed and sworn to before me this ____ day of ____, 190

SEAL

I, Warren Eyman, do solemnly swear that I will well and t perform the duties of flagman according to instructions given me, to the best of my skill and ability, in t re survey of the Utah-Nevada Boundary line through Tps.2,3, and 4 S. , R. W. of the Salt Lake Base and Meridian, Utah.

Warren Eyman, Flagma

Subscribed and sworn to before me this 29th day of May, 190 7.

Alonzo J. Stookey

U.S. Deputy Surveyor.

SEAL

6—161

RESURVEY OF UTAH-NEVADA BOUNDARY LINE.

Survey commenced July 22, 1907, and executed with the instrument described in book "A" of this survey.

Note: In the survey of Tps.3 and 4 S., R. 19 W. I am instructed to close on the Utah-Nevada Boundary line; and, knowing from previous surveys that some of the mile posts thereon are missing; and, from information received from the Surveyor-General that many of them in this particular locality were probably never set; therefore, before executing the survey of said Tps.3 and 4 S., R.19 W., I proceed to resurvey a portions of the said Utah-Nevada Bdy.line as follows:

I begin at mile post No.60, which is a pine post 6 ins. sq., 4 ft.above ground, marked Utah on E., Nevada on W. L W 37 on N. and 60 on S.

At this point, I examine the adjustments of the transit and correct the level and collination 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 meridian determined by observations on Polaris I proceed as follows:

At mile post No.60 above described; latitude 40°27'N.; longitude 114° 03' W., I set off 40°27° N.on the lat. arc 20° 23' N.on the decl.arc; and at 3 h.m.06m.p.m.l. m.t. determine with the solar a meridian and mark a point thereof on a stone on mountain side 5 chains N. of corner.

At 11h.31m.p.m.l.m.t. I observe Polaris at eastern elongation, in accordance with Manual of Instructions and mark a point in the line thus determined, on a peg driven in the ground, 5 chs.N.of my station.

July 22, 1907.

July 23: At 7h.0m.a.m. I lay off the azimuth of Polaris 1°34' to the west, and mark the meridian thus deter-

mined, by cutting a small groove in the stone set July.22, on which the meridian falls 0.3ins.west of the mark determined by the solar.

At 8h 6m.a.m.l.m.t.I set off 40° 27' N.on the lat.arc; 20°15' N.on the decl.arc; and mark a point in the meridian determined with the solar by a cross on the stone already set 5 chs.N.of my station; this mark falls 0.2 ins.west of the meridian established by the Polaris observation.

The solar apparatus by p.m. and a.m.observations, defines positions for meridians, respectively about 0'10"W.and 0'16"E.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 8 h.30 m. a.m.is N.17°28'W.; the angle thus determined gives the mag.decl.17° 28'E.

From the mile post already described, I run

South on 61st mile,

Over mountainous land; descending.

15.00 Foot of descent; bears E. and W.;

Ascend.

19.25 Top of steep limestone point 75 ft.high, bears E. and W.; descend.

40.00 Foot of descent, bears E. and W.; thence over gently rolling land.

70.00 Begin steep ascent of mountains, bear E. and W.

80.00 Set temp. mile stone.

I continue my line South on 62d mile,

Over very rough mountainous land.

30.47 Top of ascent 500 ft.high, bearing E. and W. and from this point the old monument, a black porphyry stone

RESURVEY OF UTAH-NEVADA BOUNDARY LINE.

Chains.	
	36 x 12 x 12 ins.above ground, firmly set and marked and witnessed as described by the surveyor general bears east 1.32 chs.dist.
	I destroy all traces of temp.mile stone No.61; and at a point S.0° 41'E. 80.00 chs.dist.from mile post No.60
	Set a porphyry stone 36 x 8 x 8 ins. in mound of stone for mile cor.61, mkd. U on E., N on W., 61 on S.face; and raise a mound of stone 3 ft.base, 2 ft.high W.of cor.Pits impracticable.
	Land, mountainous and rolling.
	Soil, gravelly, stony; 3d rate.
	No timber.
	Mountainous land on 80.00 chs.
	S.0° 41'E.on 62d mile,
	Over mountainous land; ascending.
30.47	Top of ascent. Intersect old cor.above described, from which point I run south on remainder of 62d mile.
	Over broken mountainous land, sloping west.
80.00	Set a quartzite stone 30 x 10 x 8 ins., in mound of stone for mile cor.62, mkd. U on E., N. on W.; 62 on S.face; and raise a mound of stone 3 ft.base, 2½ ft. high W.of cor.
	After diligent search I fail to find old mile cor.No. 62.
	Land, mountainous and broken.
	Soil, stony; 4th rate. No timber.
	Mountainous land 80.00 chs.
	At the noon hour sky overcast; obs.for lat.impossible.
	From mile post No.60 above described I run
	N.0°15'W ~~North~~ on 60th mile,
	Over mountainous land; ascending.

RESURVEY OF UTAH-NEVADA BOUNDARY LINE.

Chains.	
7.00	Top of limestone spur, 125 ft.high, bears E. and W.
	Descend gradually along rough east base of mountain.
60.00	Foot of descent, bears E. and W.
	Ascend.
70.00	Top of limestone ridge, 50 ft.high bears E. and W.
	Thence over undulating land.
79.52	Mound 12 ~~lks.W.~~ Fall 9 lks E of, appears to be remains of old cor. I dig into mound and find marked stone and decayed stump of post; thus proving it to be the original position of mile post No.59, which I re-establish at this point by
	Setting a quartzite stone 30 x 8 x 8 ins., 23 ins.in ground, for mile cor.59, mkd.U on E., N on W., and 59 on S.face; and raise a mound of stone 2 ft.base, 1½ ft.high W.of cor.Pits impracticable.
	The course of this line is therefore N.0° ~~05~~ 09'W.
	Land, mountainous.
	Soil, stony and gravelly; 3d rate.
	No timber.
	Mountainous land 79.52 chs.

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N.0°05'W
North on 59th Mile,

Over undulating broken ground; along E.base of mountain;through dense sage and greasewood undergrowth.

79.51	West 12 lks. Fall 20 ~~from~~ E. of ~~this point I~~ find the remains of old mound I dig into mound and find marked stone and decayed stump of post, thus proving it to be the original position of mile post No.58, which I re-establish as follows:
	Set a limestone 20 x 12 x 8 ins , 15 ins.in ground, for mile cor.58, mkd. U on E., N on W., and 58 on S.face; and raise a mound of stone 2 ft.base, 1½ ft.high W. of mile stone.
	Land, mountainous and rolling.
	Soil, stony and sandy; 3d rate.

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RESURVEY OF UTAH-NEVADA BOUNDARY LINE

Chains. No timber.

Undergrowth sage and greasewood.

Mountainous land or land covered with dense undergrowth 79.51 chs.

The course of this line is therefore N.0°05'W. 14'

July 23: At the noon hour sky overcast and observation for latitude impossible.

North on 58th mile,

On random retracement along Utah-Nevada boundary, setting temp. mile posts at intervals of 80.00 chs., finding no trace of any mile posts, until at the end of 16 miles I fall 5.95 chs. west of mile post No.42, which is a pine post 6 ins.sq., 4 ft.above ground, set in a mound of earth and marked L W 37 on N., 42 on S. Utah on E. and Nevada on W.

The bearing of the boundary line bet.mile posts 42 and 58 is therefore S.0°16'W.

July 23, 1907.

July 24: At 7 h.6 m.a.m.l.m.t.I set off 40° 43'on the 1st.arc; 20° 4'W.on decl.arc; and determine a meridian with the solar at the above described mile post No.42.

Thence I run

S.0°16'W.on 43d mile,

Over level alkali flat, with no vegetation except a very scattering growth of salt weed.

80.00 Deposit a quart of glass, 12 ins.in the ground for 43d mile cor.; dig pits 36x36x12 ins.N. and S.of cor.5 ft.dist.; and raise a mound of earth 5 ft.base, 2½ ft.

Chains	
	ft.high over deposit. In S.pit drive a pine stake 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked 43 on S., Utah on E. and Nevada on W.face. Land, level. Soil alkali; 3d rate. No timber. [illegible]
	S.0°16'W.on 44th mile, Over level land.
80.00	Deposit a quart of glass 12 ins.in the ground for 43th mile cor.; dig pits 36x 36 x 12 ins.N. and S.of cor. 5 ft.dist.; and raise a mound of earth 5 ft.base, 2½ ft.high over deposit. In S.pit drive a pine stake, 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked 44 on S., Utah on E. and Nevada on W.face. Land, level. Soil, alkali;4 th rate. No timber.
	S.0° 16'W.on 45th mile, Over level land.
80.00	Deposit a quart of glass, 12 ins.in the ground, for mile cor.No.45; dig pits 36x36x12 ins.N.and S.of cor. 5 ft.dist.; and raise a mound of earth 5 ft.base, 2½ ft.high over deposit. In S.pit drive a pine stake, 2 ft long, 2 ins.sq., 12 ins.in the ground, marked 45 on S., Utah on E. and Nevada on W.face. Land, level.

RESURVEY OF UTAH-NEVADA BOUNDARY LINE

Chains. Soil, alkali; 4th rate.
No timber.

S.0°16'W.on 46th mile,
Over level land.
80.00 Deposit a quart of glass, 12 ins.in the ground for 46th mile cor. dig pits 36x36x12 ins.N. and S.of cor.5 ft. dist.; and raise a mound of earth 5 ft.base, 2½ ft. high over deposit.
In S.pit drive a pine stake, 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked 46 on S.
Utah on E. andNevada on W.face.
Land, level.
Soil, alkali; 4th rate.
No timber.

S.0°16'W.on 47th mile.
Over level land.
80.00 Deposit a quart of glass, 12 ins.in the ground for 47th mile:cor.; dig pits 36x36x12 ins.N. and S.of cor.5 ft. dist.; and raise a mound of earth 5 ft.base, 2½ ft. high over deposit.
In S.pit drive a pine stake, 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked
47 on S., Utah on E. and Nevada on W.face.
Land, level.
Soil, alkali; 4th rate.
No timber.

S.0°16'W.on 48th mile,

Chains	
	Over level land.
80.00	Deposit a quart of glass, 12 ins.in the ground;for 48th mile cor.; dig pits 36x36x12 ins.N. and S.of cor. 5 ft.dist.; and raise a mound of earth 5 ft.base, 2½ ft. high over deposit.
	In S.pit drive a pine stake, 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked
	48 on S., Utah on E. and Nevada on W.face.
	Land, level. Soil, alkali, 4th rate. No timber.
	July, 24: At this cor.I. set off 20°01'N.on decl.arc;and at 0 h.06m.p.m.l.m.t.observe the sun on the meridian; the resulting lat.is 40°37'
	S.0°16'W.on 49th mile,
	Over level land.
80.00	Deposit a quart of glass, 12 ins.in the ground for 49th mile cor.; dig pits 36x36x12 ins.N. and S.of cor.5 ft. dist.; and raise a mound of earth 5 ft.base, 2½ ft. high over deposit.
	In S.pit drive a pine stake, 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked
	49 on S.face, Utah on E. and Nevada on W.face.
	Land, level.
	Soil, alkali; 4th rate.
	No timber.
	S.0°16'W.on 50th mile,
	Over level land.
80.00	Deposit a quart of glass, 12 ins.in the ground;for 50th mile cor.; dig pits 36x36x12 ins.N. and S.of cor.5 ft. dist.; and raise a mound of earth 5 ft.base, 2½ ft. high over deposit.
	In S.pit drive a pine stake, 2 ft.long, 2 ins.sq., 12

Chains.

ins.in the ground, marked

50 on S.face, Utah on E. and Nevada on W.face.

Land, level,

Soil, alkali; 4th rate.

No timber.

July 24, 1907: At this cor.I set off 20°01'N.on the decl.arc; and at 0 h.06 m. p.m.l.m.t.observe the sun on the meridian; the resulting lat.is 40° 36'

S.0°16'W.on 51st Mile,

Over level land.

80.00 Deposit a quart of glass, 12 ins.in the ground,for 51st Mile cor.; dig.pits 36x36x12.ins.N. and S.of cor.5 ft. dist.; and raise a mound of earth 5 ft.base, 2½ ft. high over deposit.

In S.pit drive a pine stake, 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked

51 on S., Utah on E. and Nevada on W.face.

Land, level.

Soil, alkali; 4th rate.

No timber.

S.0°16'W.on 52d mile,

Over level land.

80.00 Deposit a quart of glass, 12 ins.in the ground, for 52d mile cor.; dig pits 36x36x12 ins.N. and S.of cor. 5 ft.dist.; and raise a mound of earth 5 ft.base, 2½ ft.high over deposit.

In S.pit drive a pine stake, 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked

52 on S.face, Utah on E. and Nevada on W.face.

Land, level.

Chains. Soil, alkali; 4th rate.

No timber.

S.0°16'W.on 53d mile,

Over level land.

80.00 Deposit a quart of glass, 12 ins.in the ground,for 53d mile cor.; dig pits 36x36x12 ins.N. and S.of cor. 5 ft.dist.; and raise a mound of earth 5 ft.base, 2½ ft.high over deposit.

In S.pit drive a pine stake, 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked

53 on S.face and Utah on E.Nevada on W.faces.

Land, level,

Soil, alkali; 4th rate.

No timber.

S.0°16'W.on 54th mile,

Over level land.

80.00 Deposit a quart of glass, 12 ins.in the ground, for 54th mile cor.; dig pits 36x36x12 ins.N. and S.of cor. 5 ft.dist.; and raise a mound of earth 5 ft.base, 2½ ft.high over deposit.

In S.pit drive a pine stake, 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked

54 on S.face; Utah on E. and Nevada on W.faces.

Land, level.

Soil, alkali; 4th rate.

No timber.

S.0°16'W.on 55th mile,

Over level land.

RESURVEY UTAH NEVADA BOUNDARY LINE.

Chains.
80.00 Deposit a quart of glass, 12 ins.in the ground, for 55th mile cor.; dig pits 36x36x12 ins.N. and S.of cor. 5 ft.dist.; and raise a mound of earth 5 ft.base, 2½ ft.high over deposit.

In S.pit drive a pine stake, 2 ft.long, 2 ins.sq.,12 ins.in the ground, marked

55 on S., Utah on E. and Nevada on W.faces.

Land, level.

Soil, alkali; 4th rate.

No timber.

S.0°16'W.on 56th mile,

Over level land, covered with salt grass, bearing N.50° E. and S.50° W.

80.00 Deposit a quart of glass, 12 ins.in the ground for 56th mile cor.; dig pits 36x36x12 ins.N. and S.of cor.5 ft. dist.; and raise a mound of earth 5 ft.base, 2½ ft. high over deposit.

In S.pit drive a pine stake, 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked

56 on S.face; Utah on E. and Nevada on W.faces.

The SW.cor.of John A.Erickson's corral bears N.13°.45'E. 23.21 chs.dist.

Land, level.

Soil, alkali;3d rate. No timber.

Ic found no trace of old mile cors.along line from 42d mile post. July 24, 1907.

July 25: At 7 h.36 m.a.ml.m.t.I set off 40° 31'on lat. arc; 19° 51'N.on decl.arc; and determine a meridian with the solar at the 56th mile cor.

Thence I run

Chains.	S.0°16'W.on 57th mile.
	Over level land; through salt grass.
57.10	Margin of impassable swamp or lagoon, bearing E. and W.
	Set a pine post 3 ft.long, 4 ins.sq., 2 ft.in the gr ground for witness point, marked W P on S.face.
	Then offset as follows: N.89° 44'W.15.00 chs.; then on offset line S.0° 16'W. 101.70 chs.counted from mile post No.56; then S.89° 44'E. 15.00 chs.to bdy.line, at opposite side of lagoon, which bears N.80° W. and S.80° E.
80.00	Point for mile cor.No.57 falls in lagoon,corner not set.
	Land level and swamp.
	Soil, alkali; 4th rate.
	No timber.
	From point for 57th mile post,
	S.0°16'W.on 58th mile,
	Over swamp.
21.70	Water's edge,
	Set a pine post 3 ft.long, 4 ins.sq., 2 ft.in the ground for witness point, marked W P on N.face; dig a pit 36 x36x12 ins.S.of cor., 6 ft.dist.; and raise a mound of earth 3 ft.base, 2 ft.high S.of cor.
	Begin gentle ascent through salt grass.
26.70	Leave salt grass,
	Road, Ibapah to Toano, bears N.85° W. and S.85° E.
	Head of Salt Spring, bears east about 2.00 chs.dist.
26.84	Set a limestone 12x10x8 ins.,8 ins.in the ground, marked with a cross (X) on top.
	Begin ascent of limestone point.
29.10	Top of ascent;bluff 40 ft.high bears S.20° W. and N.
	At this point I cut in solid limestone ledge a cross (X) with U on E. and N on W.of cross.

RESURVEY OF UTAH-NEVADA BOUNDARY LINE.

Chains	
	This eminence gives a commanding view of the country for miles around.
	[illegible]
	Begin gentle descent; through dense greasewood undergrowth.
47.70	Road, Ibapah to Toano, bears N.15° E. and S.
48.85	Leave road, bears N. and S. 18° E.
80.00	Mile post No.58, as re-established by myself and heretofore described.
	Land, level and rolling.
	Soil, clay, stony and sandy; 3d rate.
	No timber.
	Undergrowth greasewood.
	Dense undergrowth 50.90 chs.
	July 25, 1907: At this cor.I set off 19° 48' N.on the decl.arc; and at 0 h. 06 m.p.m.l.m.t.observe the sun on the meridian; the resulting lat.is 40° 29'
	July 25, 1907.

GENERAL DESCRIPTION.

The Utah-Nevada Boundary line from the 42d to the 50th mile posts runs over an almost level alkali flat, covered with water varying from a mere covering to one to two inches in depth during the wet seasons of the year. During the summer when the protracted periods of dry weather occur, it becomes hard enought to be traversed on horseback, or even with light vehicles; but generally it pays the traveler to make a wide detour rather than try to cross it.

The land is entirely destitute of vegetation, exceptpon the northern portion, where a scant growth of salt weed appears.

RESURVEY UTAH-NEVADA BOUNDARY LINE.

For further information see notes of the subdivision of Tps.3 and 4 S., R.19 W.

Alonzo J. Stookey.

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 Alonzo J.Stookey, United States Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the resurvey of the Utah-Nevada Boundary line through Tps.2,3,and 4 S., R.19 W.of the Salt Lake Base and Meridian, Utah, showing the respective capacities in which they acted:

Ralph Gentry, *Chainman.*

Asael Tanner, *Chainman.*

Richard Orr, *Moundman.*

Lionel J.Stookey, *Moundman.*

, *Axman.*

, *Axman.*

Warren Eyman, *Flagman.*

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted Alonzo J.Stookey, United States Deputy Surveyor, in surveying all those parts or portions of the resurvey of the Utah-Nevada Boundary line through Townships 2,3, and 4 South, Range 19 West 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.

Asael Tanner, *Chainman.*

Ralph Gentry, *Chainman.*

Lionel J. Stookey, *Moundman.*

Richard Orr, *Moundman.*

, *Axman.*

, *Axman.*

Warren Eyman, *Flagman.*

Subscribed and sworn to before me this 7th day of October, 1907.

SEAL

Alonzo J. Stookey
U. S. Deputy Surveyor.

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FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, Alonzo J. Stookey, United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from Thomas Hull United States Surveyor General for Utah, bearing date of the 21st day of March, 1907, I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for Utah, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of the resurvey of the Utah-Nevada Boundary line through Townships 2,3, and 4 South, Range 19 West o

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

Alonzo J. Stookey
United States Deputy Surveyor.

Subscribed by said Alonzo J. Stookey, and sworn to before me this 2d day of January, 1908.

Thomas Hull
U.S. Surveyor-General
for Utah.

SEAL

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, May 8, 1908

The foregoing field notes of the ~~survey of~~ the resurvey of the Utah-Nevada Boundary line through Townships, 2,3, and 4 South, Range 19 West of the Salt Lake Base and Meridian, Utah,

executed by Alonzo J. Stookey under his contract No. 296, dated March 21, 1907, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Thomas Hull
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.

3.
BOOK A-344
CORRECTIVE

FILED
OCT 3 1908

FIELD NOTES

To Book "J" Original Notes
RE
OF THE SURVEY OF THE

UTAH-NEVADA BOUNDARY LINE

From

58th to 60th Mile Posts

Through

T. 4 S. R. 19 W.

Of the Salt Lake Base and Meridian,

UTAH

AS SURVEYED BY

[illegible], United States Deputy Surveyor,

under his Contract No. 296, dated Mar. 21, 1907

Survey commenced July 19, 1908

Survey completed " 19, 1908

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BOOK A-344

NAMES AND DUTIES OF ASSISTANTS.

David Ward Jr.	Chainman
Lionel J. Stokley	Chainman
Lionel J. Stokley	Rodman

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BOOK A-344

INDEX DIAGRAM.

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

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Meanders Page .....

PRELIMINARY OATHS OF ASSISTANTS.

WE, David Sharp Jr. and Lionel J. Stoker, 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 corrective re-survey of the Utah-Nevada Boundary Line, through Tp. 4 S. Rg. 19 W. of the Salt Lake Base and Meridian.

David Sharp Jr., Chainman.

Lionel J. Stoker, Chainman.

Subscribed and sworn to before me this 19th day of July, 1908.

SEAL

Alonzo J. Stoker
U.S. Deputy Surveyor.

WE, J. Lionel J. Stoker and ..... do solemnly swear that ~~we~~ I will well and truly perform the duties of moundman in the establishment of corners, according to the instructions given ~~us~~ me, to the best of ~~our~~ my skill and ability, in the corrective re-survey of the Utah-Nevada Boundary Line through Tp. 4 S. Rg. 19 W. of the Salt Lake Base and Meridian.

Lionel J. Stoker, Moundman.

....., Moundman.

Subscribed and sworn to before me this 19th day of July, 1908.

SEAL

Alonzo J. Stoker
U.S. Deputy Surveyor.

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 ....., 190

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 ....., 190

SEAL

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CORRECTIVE NOTES

UTAH-NEVADA BOUNDARY LINE.

July 19, 1908.

I begin at mile post No. 60 which is a pine post 6 ins. square 4 ft. high marked and witnessed as described by the Surveyor General.

At 3h 6m p. m., 1 m t, I set off 20° 49' N. on the decl. arc; 40° 27' on the lat. arc, and determine a meridian with the solar.

See orig. notes l. J page 1

Thence I run

N. 0°05' W. along the UTAH-NEVADA bdy. line.

79.52 Fall 9 lks. E. of mile post No, 59 as re-established by myself and described in my original notes.

The true bearing of this line, therefore, is N0°09' W.

No change of topography on this line.

From mile post No. 59 I run

N. 0°05' W. along the UTAH-NEVADA bdy. line.

79.51 Fall 20 lks. E. of mile post No. 58 as re-established by myself and described in my original notes.

The true bearing of this line therefore, is N.0°14' W.

No changr of topography on this line.

See orig. notes l. J page 1

July 19, 1908.

Alonzo J Stookey

U. S. Deputy Surveyor.

Note:

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

Alonzo J Stookey

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 Alonzo J. Stookey, United States Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the survey of the corrective re- Utah Nevada Boundary Line, through Tp. 4 S. Rg. 19 W. Salt Lake Base and Meridian, showing the respective capacities in which they acted:

David Sharp Jr., Chainman.
Lionel J. Stookey, Chainman.
Lionel J. Stookey, Moundman.
, Moundman.
, Axman.
, Axman.
, Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted Alonzo J. Stookey, United States Deputy Surveyor, in surveying all those parts or portions of the corrective resurvey of the Utah-Nevada Boundary Line through Tp. 4 S. Rg. 19 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 corrective 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.

David Sharp Jr., Chainman.
Lionel J. Stookey, Chainman.
Lionel J. Stookey, Moundman.
, Moundman.
, Axman.
, Axman.
, Flagman.

Subscribed and sworn to before me this 19 day of June, 1908.

SEAL

Alonzo J. Stookey
U.S. Deputy Surveyor.

6—151

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, Alonzo J. Stookey, United States Deputy Surveyor, solemnly swear that, in pursuance of a contract received from Thomas Hull United States Surveyor General for Utah, bearing date of 21 day of March, 1907, I have well, faithfully, and truly, in my proper person, and in strict conformity with the instructions furnished by the United States Surve General for Utah, the Manual of Surveying Instructions, and the laws of United States, surveyed all those parts or portions of the corrective resurv of the Utah-Nevada Boundary Line from through Tp 4 S. Rg 19 W. of the Salt Lake Base and meridian, in the state of Utah, which are represented in foregoing field notes as having been surveyed by me, and under my direction; and I do further solem swear that all the corners of said survey have been established and perpetuated in strict accordance the Manual of Surveying Instructions, and the special written instructions of the United States Surve General for Utah and in the specific manner described in the field notes, and t the foregoing are the original field notes of such survey.

Alonzo J. Stookey
United States Deputy Surve

Subscribed by said Alonzo J. Stookey, and sworn to before me this 3rd day of October, 1908

Thomas Hull
U. S. Surveyor General
for Utah

SEAL

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, December 4, 19

The foregoing field notes of the survey of the corrective survey of the Utah-Nevada Boundary Line from the 58th & 60th Mile posts Township 4 South Range 19 West of the Salt Lake Base & Meridian, Utah

executed by Alonzo J. Stookey under his contract No. 296 dated March 21, 1908, having critically examined, and the necessary corrections and explanations made, the said field notes, and corrective surveys they describe, are hereby approved.

Thomas Hull
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 offic

United States Surveyor Ge

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BOOK A-344

K.

FIELD NOTES

OF THE SURVEY OF THE

SOUTH, EAST, AND NORTH BOUNDARIES

O F

TOWNSHIP NO. 4 SOUTH

RANGE NO. 19 WEST

Of the SALT LAKE BASE AND *Meridian,*

U T A H,

AS SURVEYED BY

Alonzo J. Stockey, *United States Deputy Surveyor,*

Under his Contract No. 296, *dated* March 21, *190* 7.

Survey commenced July 25, *190* 7

Survey completed July 27, *190* 7.

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High 35 42

Lower 16-35-91

25-18

16.71 33

BOOK A-344

NAMES AND DUTIES OF ASSISTANTS.

Ralph Gentry,	Chainman.
Asael Tanner,	Chainman.
Richard Orr,	Moundman.
Lionel J. Stookey,	Moundman.
Warren Eyman,	Flagman.

For preliminary affidavits see book "B" T. 10 S., R. 5 W.

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BOOK A-344

INDEX DIAGRAM.

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31 4	32 3	33 3	34 3	35 2	36 2	6

Meanders Page

PRELIMINARY OATHS OF ASSISTANTS.

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

..... *Chainman*

..... *Chainman*

Subscribed and sworn to before me this .....
day of ....., 190

SEAL

.....

.....

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

..... *Moundman*

..... *Moundman*

Subscribed and sworn to before me this .....
day of ....., 190

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 c
.....

..... *Axman*

..... *Axman*

Subscribed and sworn to before me this .....
day of ....., 190

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 ....., 190

SEAL

.....

.....

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SOUTH BOUNDARY T. 4 S., R. 19 W.

Survey commenced July 25, 1907, and executed with the instrument described in book "A" of this survey.

At the cor.of Tps.4 and 5 S., Rs.18 and 19 W., which is a limestone 6 x 6 x 6 ins.above ground, firmly set and marked and witnessed as described by the surveyor general; lat.40° 25'N.; long.113° 57'W., I set off 40° 25'N.on lat.arc; 19° 47'N.on decl.arc; and at 3 h. 06 m.p.m.l.m.t.determine with the solar a meridian, and mark a point thereof on a stone firmly set in the ground, 5 chs.N.of the cor.

At 11 h. 19 m.p.m.l.m.t.I observe Polaris at eastern elongation in accordance with Manual of Instructions and mark a point in the line thus determined on a peg driven in the ground, 5 chs.N.of my station.

July 25, 1907.

July 26: At 7 a.m.l.m.t.I lay off the azimuth of Polaris 1° 34' to the west, and mark the meridian thus determined by cutting a small groove in the stone set July 25, on which the meridian falls 0.4 ins.east of the mark determined by the solar.

At 8 h. 36 m.a.m.l.m.t.I set off 40° 25' on the lat.arc; 19° 37' N.on the decl.arc; and mark a point in the stone already set 5 chs.N.of my station; this mark falls 0.4 ins.E.of the meridian established by the Polaris observation.

The solar apparatus by p.m.and a.m.observations defines positions for meridians, respectively about 0° 21" E. and 0' 21" W.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 9 h. 06 m.

SOUTH BOUNDARY T. 4 S., R. 19 W.

Chains	
	a.m.is 17° 27'W., the angle thus determined gives the mag.decl.17° 27'E.
	From said cor.of Tps.4 and 5 S., Rs.18 and 19 W., I run West bet.secs.1 and 36,
	Over level alkali land.
40.00	Set a quartzite stone 15x7x5 ins., 10 ins.in the ground for ¼ sec.cor., marked ¼ on N.face; dig pits 18x18x12 ins.E. and W.of stone, 3 ft.dist.; and raise a mound of earth 3½ ft.base, 1½ ft.high N.of cor.
80.00	Set a quartzite stone 18x6x5 ins., 12 ins.in the ground for cor.of secs.1,2,35, and 36, marked with 1 notch on E. and 5 notches on W.edges; dig pits 18x18x12 ins in each sec.5½ ft.dist.; and raise a mound of earth 4 ft.base, 2 ft.high W.of cor.
	Land, level.
	Soil, alkaline; 3d rate.
	No timber.
	West bet.secs.2 and 35,
	Over level alkaline land.
40.00	Set a quartzite stone 15x8x5 ins., 10 ins.in the ground, for ¼ sec.cor., marked ¼ on N.face; dig pits 18x18x12 ins.E. and W.of stone 3 ft.dist.; and raise a mound of earth 3½ ft.base, 1½ ft.high N.of cor.
80.00	Set a quartzite stone 18x7x6 ins., 12 ins.in the ground for.cor.of secs.2,3.34, and 35, marked with 2 notches on E. and 4 notches on W.edge; dig pits 18x18x12 ins. in each sec.5½ ft.dist.; and raise a mound of earth 4 ft.nase, 2 ft.high W.of cor.
	Land, level. Soil, alkaline;3d rate. No timber.

SOUTH BOUNDARY T. 4 S., R. 19 W.

West bet.secs.3 and 34,

Chains. Over level alkali land.

40.00 Set a quartzite stone 15x8x5 ins., 10 ins.in the ground for ¼ sec.cor.; marked ¼ on N.face; dig pits 18x18x12 ins.E. and W.of stone 3 ft.dist.; and raise a mound of earth 3½ ft.base, 1½ ft.high N.of cor.

80.00 Set a quartzite stone 15x8x6 ins., 10 ins.in the ground for cor.of secs.3,4,33, and 34, marked with 3 notches on E. and W.edges; dig pits 18x18x12 ins.in each section,,5½ ft.dist.; and raise a mound ofearth 4 ft. base, 2 ft.high W.of cor.

Land, level.

Soil, alkaline; 3d rate.

No timber.

West bet.secs.4 and 33,

Over level alkali land.

40.00 Set a quartzite stone 15x7x6 ins., 10 ins.in the ground for ¼ sec.cor., marked ¼ on N.face; dig pits 18x18x12 ins.E. and W.of stone 3 ft.dist.; and raise a mound of earth 3½ ft.base, 1½ ft.high N.of cor.

80.00 Set a quartzite stone 18x6x5 ins., 12 ins.in the ground, for cor.of secs.4,5,32 and 33, marked with 4 notches on E. and 2 notches on W.edges; dig pits 18x18x12 ins. in each sec.5½ ft.dist.; and raise a mound of earth 4 ft.base, 2 ft.high W.of cor.

Land, level.

Soil, alkaline; 3d rate.

No timber.

West bet.secs.5 and 32,

Over almost level alkali land.

2.50 Leave alkali land; begin gentle ascent bearing N.50° W. and S.50° E. through dense shadscale and greasewood

SOUTH BOUNDARY T. 4 S., R. 19 W.

Chains.	
	undergrowth.
26.56	Road, Ibapah to Toano, bears N.40° W. and S.50° E.
40.00	Set a granite stone 15x9x7 ins., 10 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.
60.00	Leave bench; begin steep rough ascent of mountain bearing N. and S.
77.00	Top of very steep ascent; beach mark of Lake Bonneville bears N. and S.; many large boulders.
80.00	Set unknown stone 18x7x5 ins., 12 ins. in the ground for cor. of secs. 5, 6, 31, and 32, marked with 5 notches on E and 1 notch on W. edge; raise a mound of stone 2 ft. base, 1½ ft. high W. of cor. Pits impracticable.
	Land, level or mountainous.
	Soil, alkaline; 3d rate.
	No timber.
	July 26, 1907: At this cor. I set off 19° 35' N. on the decl. arc; and at 0 h. 06 m. p.m. l.m.t. observe the sun on the meridian; the resulting lat. is 40° 25'
	West bet. secs. 6 and 31,
	Over very rough, stony ground, gradually ascending.
20.00	Top of ascent, 500 ft. above bench, bears N. and S.
	Descend gently.
35.42	Intersect Utah-Nevada bdy. line, 12.46 chs. South of mile post No. 62, re-established by me and heretofore described.
	Set a quartzite stone 18x8x8 ins., 12 ins. in the ground for closing cor. Tp. 3 4 and 5 S., R. 19 W., marked with 6 grooves on N., S., and E. faces; U on E. and N. on

SOUTH BOUNDARY T. 4 S., R. 19 W.

Chains

W.faces; raise a mound of stone 2 ft.base, 1½ ft.high

E.of cor.

Pits impracticable.

Land, mountainous.

Soil, rocky; 4th rate.

No timber.

Mountainous land 35.42 chs.

July 26, 1907.

For general description see subdivision notes of this township.

U.S.Deputy Surveyor.

EAST BOUNDARY T. 4 S., R. 19 E.

Chains. July 27, 1907: At the coroof Tps.4 and 5 S., Rs.18 and 19 W., already described, at 7h 36m a.m.l.m.t.I set off 40° 25' on the lat.arc; 19° 25' N. on the decl.arc; and determine a meridian with the solar, Thence I run

North bet.secs.31 and 36,

Over level alkali land.

40.00 Deposit a quart of glass, 12 ins.in the ground for ¼ sec.cor., dig pits 18x18x12 ins.N. and S.of cor.4 ft dist.; and raise a mound of earth 3½ ft.base, 1½ ft. high over deposit.

In S.pit drive a pine stake, 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked

¼ S 36 on W.face; and 31 on E.face.

80.00 Deposit a quart of glass 12 ins.in the ground for cor. of secs.25,30,31, and 36, dig pits 18x18x12 ins.in each sec. 4 ft.dist.; and raise a mound of earth 4 ft. base, 2 ft.high over deposit.

In SE. pit drive a pine stake, 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked

T 4 S S 30 on NE.

R 18 W S 31 on SE

R 19 W S 36 on SW., and S 25 on NW.face; with 1 notch on S. and 5 notches on N.edges.

Land, level.

Soil alkaline; 3d rate.

No timber.

North bet.secs.25 and 30,

Over level alkali land.

40.00 Deposit a quart of glass, 12 ins.in the ground, for ¼ seccor.; dig pits 18x18x12 ins.N. and S.of cor. 4 ft. dist.; and raise a mound of earth 3½ ft.base, 1½ ft.

EAST BOUNDARY T 4 S R 19 W

Chains	
	high over deposit.
	In S.pit drive a pine stake 2 ft.long, 2 ins.sq.,,12 ins.in the ground, marked
	¼ S 25 on W.face; 30 on E.face.
80.00	Deposit a quart of glass, 12 ins.in the ground for cor. of secs.19,24,25, and 30,; dig pits 18x18x12 ins.in each sec.4 ft.dist.; and raise a mound of earth 4 ft. base, 2 ft.high over deposit.
	In SE.pit drive a pine stake, 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked
	T 4 S S 19 on NE.
	R 18 W S 30 on SE.
	R 19 W S 25 on SW., and
	S24 on NW.face; with 2 notches on S. and 4 notches on N.edges.
	Land, level.
	Soil, alkaline; 3d rate.
	No timber.
	North bot.secs.19 and 24,
	Over level alkali land.
40.00	Deposit a quart of glass, 12 ins.in the ground, for ¼ sec.cor.; dig pits 18x18x12 ins.N. and S.of cor.4 ft. dist.; and raise a mound of earth 3½ ft.base, 1½ ft. high over deposit.
	In S.pit drive a pine stake, 2 ft.long, 2 ins.sq 12 ins. in the ground, marked
	¼ S 24 on W.face; and 19 on E.face.
80.00	Deposit a quart of glass 12 ins.in the ground, for cor. of secs.13,18,19, and 24,; dig pits 18x18x12 ins.in each sec.4 ft.dist.; and raise a mound of earth 4 ft.base, 2 ft.high over deposit.
	In SE.pit drive a pine stake, 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked

TRACK BOUNDARY T 4 S R 19 W

Chains.

T 4 S S 18 on NE.

R 18 W S 19 on SE.

R 18 W S 24 on SW., and

S 13 on NW.face; with 3 notches on N. and S.edges.

Land, level.

Soil, alkali; 4th rate.

No timber.

North bet.secs.13 and 18,

Over level land.

40.00 Deposit a quart of glass 12 ins.in the ground, for ¼ sec.cor.; dig pits 18x18x12 ins.N. and S.of cor.4 ft. dist.; and raise a mound of earth 3½ ft.base, 1½ ft. high over deposit.

In S.pit drive a pine stake, 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked

¼ S 13 on W.face; and 18 on E.face.

80.00 Deposit a quart of glass, 12 ins.in the ground, for cor. of secs.7,12,13, and 18; dig pits 18x18x12 ins.in each sec.4 ft.dist.; and raise a mound of earth 4 ft.base 2 ft.high over deposit.

In SE.pit drive a pine stake, 2 ft.long, 2 ins.sq.,12 ins.in the ground, marked

T 4 S S 7 on NE.,

R 18 W S 18 on SE.

R 19 W S 13 on SW., and

S 12 on NW.face; with 4 notches on S. and 2 notches on N.edges;

Land, level.

Soil, alkali; 3d rate.

No timber.

North bet.secs.7 and 12.

EAST BOUNDARY T 4 S R 19 W

Chains	
	Over level land.
40.00	Deposit a quart of glass, 12 ins.in the ground, for ¼ sec.cor.; dig pits 18x18x12 ins.N. and S.of cor.4 ft. dist.; and raise a mound of earth 3½ ft.base, 1½ ft. high over deposit.
	In S.pit drive a pine stake, 2 ft.long, 2 ins.sq, 12 ins.in the ground, marked
	¼ S 12 on W.face; and 7 on E.face.
80.00	Deposit a quart of glass, 12 ins.in the ground, for cor. of secs.1,6,7, and 12; dig pits 18x18x12 ins.in each sec.4 ft.dist.; and raise a mound of earth 4 ft.base 2 ft.high over deposit.
	In SE.pit drive a pine stake, 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked
	T 4 S S 6 on NE.
	R 18 W S 7 on SE.,
	R 19 W S 12 on SW.,and
	S 1 on NW.face; with 5 notches on S. and 1 notch on N.edge;
	Land, level.
	Soil, alkali; 3d rate.
	No timber.

North bet.secs.1 and 6,

	Over level alkali land.
40.00	Deposit a quart of glass, 12 ins.in the ground, for ¼ sec.cor.; dig pits 18x18x12 ins.N. and S.of cor.4 ft. dist.; and raise a mound of earth 3½ ft.base, 1½ ft. high over deposit.
	In S.pit drive a pine stake, 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked
	¼ S 1 on W.face; and 6 on E.face.

EAST BOUNDARY T. 4 S., R. 19 W.

Chains.	
80.00	Deposit a quart of glass, 12 ins.in the ground, for cor.of Tps.3 and 4 S., Rs.18 and 19 W., dig pits 24 x 24 x 12 ins.on each line N., S., E., and W.of cor. 5 ft.dist.; and raise a mound of earth 5 ft.base, 2½ ft.high over deposit.
	In E.pit drive a pine stake 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked T 3 S S 31 on NE. R 18 W S 6 on SE. T 4 S S 1 on SW., and R 19 W S 36 on NW.face, with 6 notches on each edge.
	Land, level.
	Soil, alkali; 3d rate.
	No timber.
	July 27, 1907: At this cor.I set off 19° 22'N.on the decl.arc; and at 0 h.06 m.p.m.l.m.t.observe the sun on the meridian; the resulting lat.is 40° 30'

For general description see subdivision of this township.

Thomas J. Stookey

U.S.Deputy Surveyor.

NORTH BOUNDARY T. 4 S., R. 19 W.

Chains	
	July 27:
	From the cor.of Tps.3 and 4 S., Rs.18 and 19 W.set by me this day, I run
	West bet.secs.1 and 36,
	Over level alkali land.
5.00	Enter salt grass and water, bears N.30° E. and S.30° W. water has a very slow sluggish movement NE., and varies in depth from ½ inch to 6 ins.
40.00	Deposit a quart of glass, 12 ins.in the ground, for ¼ sec.cor.; dig pits 18x18x12 ins.E.and W.of cor.4 ft. dist.; and raise a mound of earth 3 ½ ft.base, 1½ ft. high over deposit.
	In E.pit drive a pine stake, 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked
	¼ S 36 on N.face; 1 on S.face.
80.00	Deposit a quart of glass, 12 ins.in the ground, for cor.of secs.1,2,35 and 36; dig pits 18x18x12 ins.in each sec.4 ft.dist.; and raise a mound of earth 4 ft. base 2 ft.high over deposit.
	In SE.pit drive a pine stake, 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked
	T 3 S S 36 on NE.
	R 19 W S 1 on SE.
	T 4 S S 2 on SW., and
	S 35 on NW.face; with 1 notch on E. and 5 notches on W.edge.
	Land, level.
	Soil, alkaline, covered with salt grass and water; 3d rate.
	No timber.
	West bet.secs.2 and 35,
	Over level land, covered with salt grass and shallow water.
40.00	Deposit a quart of glass, 12 ins.in the ground, for ¼

Chains. sec.cor.; dig pits 18x18x12 ins.E. and W.of cor.4 ft. dist.; and raise a mound of earth 3½ ft.base, 1½ ft. high over deposit.

In E.pit drive a pine stake, 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked

½ S 35 on N.face; and 2 on S.face.

80.00 Deposit a quart of glass, 12 ins.in the ground, for cor. of secs.2,3,34, and 35; dig pits 18x18x12 ins.in each sec.4 ft.dist.; and raise a mound of earth 4 ft.base 2 ft.high over deposit.

In SE pit drive a pine stake, 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked

T 3 S S 35 on NE.

R 19 W S 2 on SE.

T 4 S S 3 on SW., and

S 34 on NW.face; with 2 notches on E. and 4 notches on W.edge.

Land,level,

Soil, alkali, covered with salt grass and water. 4th rate.

No timber.

West bet.secs.3 and 34,

Over level land, covered with salt grass and water.

40.00 Deposit a quart of glass, 12 ins.in the ground, for ¼ sec.cor.; dig pits 18x18x12 ins.E. and W.of cor.4 ft. dist.; and raise a mound of earth 3½ ft.base, 1½ ft. high over deposit.

In E.pit drive a pine stake, 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked

¼ S 34 on N.face; and 3 on S.face.

80.00 Deposit a quart of glass, 12 ins.in the ground, for cor. of secs.3,4,33, and 34; dig pits 18x18x12 ins.in each sec.4 ft.dist.; and raise a mound of earth 4 ft.base,

NORTH BOUNDARY T. 4 S. R. 19 W.

Chains. 2 ft.high over deposit.

In SE.pit drive a pine stake, 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked

T 3 S S 34 on NE.

R 19 W S 3 on SE.,

T 4 S S 4 on SW., and

S 33 on NW.face; with 3 notches on E. and W.edges.

Land, level.

Soil, alkali, covered with salt grass and water.

No timber.

West bet.secs.4 and 33,

Over level land, covered with salt grass and water.

40.00 Deposit a quart of glass, 12 ins.in the ground, for ¼ sec.cor.; dig pits 18x18x12 ins.E. and W.of cor.4 ft. dist.; and raise a mound of earth 3½ ft.base, 1½ ft. high over deposit.

In E.pit drive a pine stake, 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked

¼ S 33 on N.face; and 4 on S.face.

80.00 Deposit a quart of glass, 12 ins.in the ground, for cor. of secs.4,5,32, and 33; dig pits 18x18x12 ins.in each sec.4 ft.dist.; and raise a mound of earth 4 ft.base 2 ft.high over deposit.

In SE.pit drive a pine stake, 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked

T 3 S S 33 on NE.

R 19 W S 4 on SE.,

T 4 S S 5 on SW., and

S 32 on NW.face; with 4 notches on E. and 2 notches on W.edge.

Land, level.

Soil, alkali, covered with salt grass and water; 4th rate.

No timber

NORTH BOUNDARY T. 4 S., R 19 W.

Chains	
	West bet.secs.5 and 32,
	Over level land, covered with salt grass and water.
40.00	Deposit a quart of glass, 12 ins.in the ground, for ¼ sec.cor.; dig pits 18x18x12 ins.E. and W.of cor.4 ft. dist.; and raise a mound of earth 3½ ft.base, 1½ ft. high over deposit.
	In E.pit drive a pine stake, 2 ft.long, 2 ins.sq, 12 ins. in the ground,marked
	¼ S 32 on N.face; and 5 on S.face.
80.00	Deposit a quart of glass, 12 ins.in the ground, for cor. of secs.5,6,31, and 32; dig pits 18x18x12 ins.in each sec.4 ft.dist.; and raise a mound of earth 4 ft.base 2 ft.high over deposit.
	In SE.pit drive a pine stake, 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked
	T 3 S S 32 on NE.
	R 19 W S 5 on SE.,
	T 4 S S 6 on SW., and.
	S 31 on NW.face; with 5 notches on E.and 1 notch on W.edge.
	Land,level.
	Soil, alkali, covered with salt grass and water.
	No timber.
	West bet.secs.6 and 31,
	Over level land, covered with salt grass and water.
35.91	Intersect Utah-Nevada boundary line 12.72 chs.S.0°16'W. of mile post No.56, heretofore described.
	Deposit a quart of glass, 12 ins.in the ground, for closing cor.of Tps.3 and 4 S., R.19 W.; dig pits 36 x 24x12 ins.crosswise on each line N., S. and E.of cor. 5 ft.dist.; and raise a mound of earth 5 ft.base, 2½ ft.high over deposit.

NORTH BOUNDARY T. 4 S., R. 19 W

Chains. In S.pit drive a pine stake, 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked

C C R 19 W on E.

T 3 S S 31 on N.

T 4 S S 6 on S.face, with 6 grooves on N., S. and E.faces; U on E. and N on W.face.

Land, level.

Soil alkali, covered with salt grass and water,3d rate.

No timber.

July 27, 1907.

For general description see notes of subdivision of this township.

Alonzo J. Stookey

U.S.Deputy Surveyor.

BOUNDARIES OF T. 4 S., R. 19 W.

LATITUDES, DEPARTURES, AND CLOSING ERRORS.

Line Designated	True Bearing	Distance	Latitudes N.	Latitudes S.	Departures E.	Departures W.
		chs.	chs.	chs.	chs.	chs.
South Boundary	East	435.42	.....	.....	435.42	.....
East Boundary	North	480.00	480.00	.....	.....	.....
North Boundary,	West	435.91	.....	.....	.....	435.91
West Bdy.or Utah-Nevada Boundary line.	S.0°16'W.	147.28	.....	147.27	.....	0.68
	S'0°05'E.	159.03	.....	159.03	0.23	.....
	S.0°41'E.	110.47	.....	110.46	1.32	.....
	South	61.99	.....	61.99	.....	.....
Convergency						0.62
	Totals		480.00	478.75	436.97	437.21
			478.75			436.97
	Error in lat.and dep.		1.25			0.24

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PAGE

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

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

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

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

.....

owing the respective capacities in which they acted:

r list of names and final oaths of assistants see book "O", *Chainman.*

T. 1 & 2 S., Rs. 18 and 19 W. ....., *Chainman.*

....., *Moundman.*

....., *Moundman.*

....., *Axman.*

....., *Axman.*

....., *Flagman.*

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted .....

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

ose parts or portions of the .....

.....

.....

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

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

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

eneral for .....

....., *Chainman.*

....., *Chainman.*

....., *Moundman.*

....., *Moundman.*

....., *Axman.*

....., *Axman.*

....., *Flagman.*

.....

ubscribed and sworn to before me this .....
day of ....., 190

SEAL

6—151

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, ..., United States Deputy Surveyor, a solemnly swear that, in pursuance of a contract received from ..... United States Surveyor General for ....., bearing date of t ..... day of ....., 190 , I have well, faithfully, and truly, in my c proper person, and in strict conformity with the instructions furnished by the United States Su.veyo General for ....., the Manual of Surveying Instructions, and the laws of th United States, surveyed all those parts or portions of .....

For final affidavit see book "O" T. 1 & 2 S. Rs. 18 and 19 W.

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

United States Deputy Surveyo

Subscribed by said ....., and sworn to before me this ..... day of ....., 190

SEAL

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, May 8, ..., 190

The foregoing field notes of the survey of the South, East, and North Boundaries of Township No. 4 South, Range No. 19 West of the Salt Lake Ba and Meridian, Utah,

executed by Alonzo J. Stookey under his contract No. 296, dated March 21, ..., 190 7, having be critically examined, and the necessary corrections and explanations made, the said field notes, and t surveys they describe, are hereby approved.

Thomas Hill

United States Surveyor Gen

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

United States Surveyor Gen

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4—079.

BOOK A-344

273

L.

FILED
JAN 2 1909

FIELD NOTES

OF THE SURVEY OF THE

S-U-B-D-I-V-I-S-I-O-N

O F

TOWNSHIP NO. 4 SOUTH,

RANGE NO. 19 WEST

Of the SALT LAKE BASE AND *Meridian,*

U-T-A-H,

AS SURVEYED BY

Alonzo J. Stookey, *United States Deputy Surveyor,*

Under his Contract No. 296, *dated* March 21, 1907.

Survey commenced July 29, 1907.

Survey completed August 2, 1907.

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3-56-69 ✓
53-45-84 ✓
2-41 ✓

57.3158

BOOK A-344

NAMES AND DUTIES OF ASSISTANTS.

Ralph Gentry,	Chainman.
Asael Tanner,	Chainman.
Lionel J.Stookey,	Moundman.
Richard Orr,	Moundman.
Warren Eyman,	Flagman.

For preliminary affidavits see book "F" T. 10 S., R. 5 W.

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BOOK A-344

INDEX DIAGRAM.

Township 4 South, *Range* 19 West

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18 37 37	17 36	28 16 27	20 15 20	12 14 11	5 13 4
19 35 35	20 34	26 21 26	19 22 18	11 23 10	3 24 3
30 33 33	29 32	25 28 24	17 27 17	9 26 9	2 25 1
31 31	32	24 33	16 34	8 35	1 36

Meanders Page

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BOOK A-344

PRELIMINARY OATHS OF ASSISTANTS.

We, ...and.....
do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level th
chain upon 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 ....., 190

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 ....., 190

SEAL

.....

.....

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

.....

.....*Axma*

.....*Axma*

Subscribed and sworn to before me this .....
day of ....., 190

SEAL

.....

.....

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

.....*Flagma*

Subscribed and sworn to before me this .....
day of ....., 190

SEAL

.....

.....

SUBDIVISION T. 4 S., R. 19 W.

Chains. Survey commenced July 29, 1907, and executed with the instrument described in book "A" of this survey.

At 7 h.36 m.a.m.l.m.t.I set off 40°25'on the lat.arc; 18° 58'N.on the decl.arc; and determine a meridian with the solar at the cor.of secs.1,2,35, and 36 on S.bdy.of township, established by myself and heretofore described.

Thence I run

N.0°01'W.bet.secs.35 and 36

Over level alkali land.

40.00 Deposit a quart of glass, 12 ins.in the ground for ¼ sec. cor.; dig pits 18x18x12 ins.N. and S.of cor. 4 ft. dist.; and raise a mound of earth 3½ ft.base, 1½ ft. high over deposit.

In S.pit drive a pine stake, 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked

¼ S 35 on W.face; and 36 on E.face.

80.00 Deposit a quart of glass, 12 ins.in the ground, for cor. of secs.25,26,35, and 36; dig pits 18x18x12 ins.in eac each sec.4 ft.dist.; and raise a mound of earth 4 ft. base, 2 ft.high over deposit.

In SE.pit drive a pine stake 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked

T 4 S S 25 on NE.

R 19 W S 36 on SE.,

S 35 on SW., and

S 26 on NW.face, with 1 notch on S. and E.edges.

Land, level.

Soil, alkali; 3d rate.

No timber.

The cor.of secs.25,30,31, and 36, being plainly visible I run for said corner,

East on a random line bet.secs.25 and 36

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Chains.	
40.00	Set temp. $\frac{1}{4}$ sec.cor.
80.00	Intersect E.bdy.of Tp. at the cor.of secs.25,30,31 and 36, Heretofore described. Thence I run West on true line bet.secs.25 and 36, Over level land.
40.00	Deposit a quart of glass, 12 ins.in the ground for $\frac{1}{4}$ sec.cor.; dig pits 18x18x12 ins.E. and W.of cor.4 ft. dist.; and raise a mound of earth $3\frac{1}{2}$ ft.base, $1\frac{1}{2}$ ft. high over deposit. In E.pit drive a pine stake, 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked $\frac{1}{4}$ S 25 on N.face; and 36 on S.face.
80.00	The cor.of secs.25,26,35, and 36. Land, level. Soil, clay and alkali; 3d rate. No timber.
	N.0°01'W.bet.secs.25 and 26, Over level alkali land.
40.00	Deposit a quart of glass, 12 ins.in the ground, for $\frac{1}{4}$ sec.cor., dig pits 18x18x12 ins.N. and S.of cor.4 ft. dist.; and raise a mound of earth $3\frac{1}{2}$ ft.base, $1\frac{1}{2}$ ft. high over deposit. In S.pit drive a pine stake, 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked $\frac{1}{4}$ S 26 on W.face; and 25 on E.face.
80.00	Deposit a quart of glass, 12 ins.in the ground, for cor. of secs.23,24,25, and 26, dig pits 18x18x12 ins.in each sec.4 ft.dist.; and raise a mound of earth 4 ft. base, 2 ft.high over deposit. In SE.pit drive a pine stake, 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked T 4 S S 24 on NE.

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Chains.	
	R 19 W S 25 on SE. S 26 on SW.; and S 23 on NW.faces; with 2 notches on S. and 1 notch on E.edge. Land, level. Soil, alkaline; 3d rate. No timber.
	I sight a flag set at the cor.of secs.19,24,25, and 30 on E.bdy.of Tp., and run N.89° 58'E.on a random line bet.secs.24 and 25,
40.00	Set temp.$\frac{1}{4}$ sec.cor.
80.00	Intersect E.bdy.of Tp.at the cor.of secs.19,24,25, and 30, heretofore described. Thence I run S.89° 58'W.on true line bet.secs.24 and 25, Over level land.
40.00	Deposit a quart of glass, 12 ins.in the ground, for $\frac{1}{4}$ sec.cor.; dig pits 18x18x12 ins.E. and W.of cor.4 ft. dist.; and raise a mound of earth $3\frac{1}{2}$ ft.base, $1\frac{1}{2}$ ft. high over deposit. In E.pit drive a pine stake, 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked $\frac{1}{4}$ S 24 on N.face; and 25 on S.face.
80.00	The cor.of secs.23,24,25, and 26. Land, level. Soil, alkaline; 3d rate. No timber.
	N.0°01'W.bet.secs.23 and 24, Over level alkali land.
40.00	Deposit a quart of glass, 12 ins.in the ground, for $\frac{1}{4}$ sec.cor.; dig pits 18x18x12 ins.N. and S.of cor.4 ft. dist.; and raise a mound of earth $3\frac{1}{2}$ ft.base, $1\frac{1}{2}$ ft. high over deposit.

Chains	
	In S.pit drive a pine stake, 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked
	$\frac{1}{4}$ S 23 on W.face; and 24 on E.face.
80.00	Deposit a quart of glass, 12 ins.in the ground, for cor. of secs.13,14,23, and 24; dig pits 18x18x12 ins.in each sec.4 ft.dist.; and raise a mound of earth 4 ft. base, 2 ft.high over deposit.
	In SE pit drive a pine stake, 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked
	T 4 S S 13 on NE.
	R 19 W S 24 on SE.
	S 23 on SW.; and
	S 14 on NW.face; with 3 notches on S. and 1 notch on E.edges.
	Land, level.
	Soil, alkaline;3d rate. No timber.
	July 29: At this cor.I set off 18° 55'N.on decl.arc and at 0 h.06 m.p.m.l.m.t.observe the sun on the meridian; the resulting lat.is 40° 28'
	I sight a flag set at the cor.of secs.13,18,19, and 24 on E.bdy.of Tp., and run
	N.89° 57'E.on random line bet.secs.13 and 24,
40.00	Set temp.$\frac{1}{4}$ sec.cor.
80.00	Intersect E.bdy.of Tp.at the cor.of secs.13,18,19, and 24, heretofore described. Thence I run
	S.89° 57'W.on true line bet.secs.13 and 24,
	Over level land.
40.00	Deposit a quart of glass, 12 ins.in the ground, for $\frac{1}{4}$ sec.cor.; dig pits 18x18x12 ins.E. and W.of cor.4 ft. dist.; and raise a mound of earth $3\frac{1}{2}$ ft.base, $1\frac{1}{2}$ ft. high over deposit.
	In E.pit drive a pine stake, 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked
	$\frac{1}{4}$ S 13 on N.face; and 24 on S.face.

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80.00 The cor.of secs.13,14,23, and 24

Land, level.

Soil, alkaline; 3d rate.

No timber.

N.0°01'W.bet.secs.13 and 14,

Over level alkali land.

40.00 Deposit a quart of glass, 12 ins.in the ground, for ¼ sec.cor.; dig pits 18x18x12 ins.N. and S.of cor.4 ft. dist.; and raise a mound of earth 3½ ft.base, 1½ ft. high over deposit.

In S.pit drive a pine stake, 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked

¼ S 14 on W.face; and 13 on E.face.

80.00 Deposit a quart of glass, 12 ins.in the ground, for cor. of secs.11,12,13, and 14; dig pits 18x18x12 ins.in each sec.4 ft.dist.; and raise a mound of earth 4 ft. base, 2 ft.high over deposit.

In SE.pit drive a pine stake, 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked

T 4 S S 12 on NE.

R 19 W S 13 on SE.,

S 14 on SW.. and

S 11 on NW.face; with 4 notches on S. and 1 notch on E.edges.

Land, level.

Soil, alkaline; 3d rate. No timber.

I sight a flag set at the cor.of secs. 7,12,13, and 18 on E.bdy.of Tp., and run

N.89° 59' E.on random line bet.secs.12 and 13,

40.00 Set temp.¼ sec.cor.

80.00 Intersect E.bdy.of township, at the corners of sections 7,12,13, and 18,heretofore described.

Thence I run

Chains. S.89° 59'W.on true line bet.secs.12 and 13,

Over level land.

40.00 Deposit a quart of glass 12 ins.in the ground, for ¼ sec.cor.; dig pits 18x18x12 ins.E. and W.of cor.4 ft. dist.; and raise a mound of earth 3½ ft.base, 1½ ft. high over deposit.

In E.pit drive a pine stake, 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked

½ S 12 on N.face, and 13 on S.face.

80.00 The cor.of secs.11,12,13, and 14; [illegible]

Land, level.

Soil, alkaline; 3d rate.

No timber.

N.0°01'W.bet.secs.11 and 12,

Over level land.

40.00 Deposit a quart of glass, 12 ins,in the ground, for ¼ sec.cor.; dig pits 18x18x12 ins.N. and S.of cor. 4 ft.dist.; and raise a mound of earth 3½ ft.base, 1½ ft.high over deposit.

In S.pit drive a pine stake, 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked

½ S 11 on W.face, and 12 on E.face.

80.00 Deposit a quart of glass 12 ins.in the ground, for cor. of secs.1,2,11, and 12; dig pits 18x18x12 ins.in each sec.4 ft.dist.; and raise a mound ofearth 4 ft.base, 2 ft.high over deposit.

In SE.pit drive a pine stake, 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked

T 4 S S1 on NE.

R 19 W S 12 on SE.

S 11 on NW., and

S 2 on SW.face; with 1 notch on E. and 5 notches

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Chains	
	on S.edges.
	Land, level.
	Soil, alkaline; 3d rate. No timber.
	I sight a flag pot at the cor.of secs.1,6,7, and 12, on E.bdy.of Tp., and run
	N.89° 55' E.on random line bet.secs.1 and 12,
40.00	Set temp.¼ sec.cor.
80.00	Intersect E.bdy.of township at the corner of secs.1, 6,7, and 12, heretofore described.
	Thence I run
	S.89° 55'W.on true line bet.secs.1 and 12,
	Over level land.
40.00	Deposit a quart of glass 12 ins.in the ground for ¼ sec.cor.; dig pits 18x18x12 ins.E. and W.of cor.4 ft.dist.;and raise a mound of earth 3½ ft.base, 1½ ft.high over deposit.
	In E.pit drive a pine stake, 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked,
	¼ S 1 on N.face, and 12 on S.face.
80.00	The cor.of secs.1,2,11, and 12.
	Land, level.
	Soil, alkaline; 3d rate.
	No timber.
	N.0°01'W.on random line bet.secs.1 and 2,
40.00	Set temp.¼ sec.cor.
80.18	Intersect N.bdy.of Tp. 2 lks.E. of the cor.of secs.1, 2,35, and 36, heretofore described.
	Thence I run
	S.0°02'E.on true line bet.secs.1 and 2
	Over level land, covered with salt grass and water.
25.23	Leave water, from 1 in.to 1 ft.deep.

Chains.	
26.68	Salt grass bears N.50° E. and S.50° W.
40.18	Deposit a quart of glass 12 ins.in the ground, for ¼ sec.cor.;dig pits 18x18x12 ins.N. and S.of cor.4 ft. dist.; and raise a mound of earth 3½ ft.base, 1½ ft. high over deposit.
	In S.pit drive a pine stake, 2 ft.long, 2 ins.sq., 12 ins.in the ground,marked
	¼ S 2 on W.face, and 1 on E.face.
80.18	The cor.of secs.1,2,11, and 12.
	Land, level.
	Soil, alkaline; 3d rate.
	No timber. July 29, 1907.

July 30: At 7h.06 m.a.m.lmm.t.I set off 40°25'N.on the lat.arc; 18° 44'N.on decl.arc; and determine a meridian with the solar at the cor.of secs.2,3,34, and 35 on S.bdy.of Tp., heretofore described.

Thence I run

N.0°02'W.bet.secs.34 and 35,

Over level land.

40.00	Deposit a quart of glass 12 ins.in the ground, for ¼ sec.cor.; dig pits 1218x12 ins.N. and S.of cor.4 ft. dist.; and raise a mound of earth 3½ ft.base, 1½ ft. high over deposit.
	In S.pit drive a pine stake, 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked
	¼ S 34 on W.face; and 35 on E.face.
80.00	Deposit a quart of glass, 12 ins.in the ground, for cor. of secs.26,27,34, and 35; dig pits 18x18x12 ins.in each sec.4 ft.dist.; and raise a mound of earth 4 ft. base, 2 ft.high over deposit.
	In SE.pit drive a pine stake, 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked

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Chains.

T 4 S S 26 on NE.

R 19 W S 35 on SE.

S 34 on SW., and

S 27 on NW.face; with 1 notch on S. and 2 notches on E.edges.

Land, level.

Soil, alkaline; 3d rate.

No timber.

I sight a flag set at cor.of secs.25,26,35 and 36, and run

East on a random line bet.secs.26 and 35,

40.00 Set temp.$\frac{1}{2}$ sec.cor.

80.00 Intersect N. and S.line at the cor.of secs.25,26,35, and 36. Thence I run

West on true line bet.secs.26 and 35,

Over level land.

40.00 Deposit a quart of glass, 12 ins.in the ground, for $\frac{1}{4}$ sec.cor.; dig pits 18x18x12 ins.E. and W.of cor.4 ft. dist.; and raise a mound of earth $3\frac{1}{2}$ ft.base, $1\frac{1}{2}$ ft. high over deposit.

In E.pit drive a pine stake, 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked

$\frac{1}{4}$ S 26 on N.face; and 35 on S.face.

80.00 The cor.of secs.26,27,34, and 35.

Land, level.

Soil, alkaline; 3d rate.

No timber.

N.0°02'W.bet.secs.26 and 27,

Over level land.

40.00 Deposit a quart of glass, 12 ins.in the ground, for $\frac{1}{4}$ sec.cor.; dig pits 18x18x12 ins.N. and S.of cor.4 ft. dist.; and raise a mound of earth $3\frac{1}{2}$ ft.base, $1\frac{1}{2}$ ft.

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Chains.	
	high over deposit.
	In S.pit drive a pine stake, 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked
	¼ S 27 on W.face; and 26 on E.face.
80.00	Deposit a quart of glass, 12 ins.in the ground, for cor. of secs.22.23,26, and 27; dig pits 18x18x12 ins.in each sec.4 ft.dist.; and raise a mound of earth 4 ft. base, 2 ft.high over deposit.
	In SE.pit drive a pine stake, 2 ft.long, 2 ins.sq. , 12 ins.in the ground, marked
	T 4 S S 23 on NE.
	R 19 W S 26 on SE.
	S 27 on SW., and
	S 22 on NW.face; with 2 notches on S. and E.edges.
	Land, level.
	Soil, alkaline; 3d rate.
	No timber.
	I sight a flag set at cor.of secs.23,24,25,and 26,and run N.89° 58'E.on a random line bet.secs.23 and 26,
40.00	Set temp.¼ sec.cor.
80.00	Intersect N. and S.line at the cor.of secs.23,24,25, and 26. Thence I run
	S.89° 58'W.on true line bet.secs.23 and 26,
	Over level land.
40.00	Deposit a quart of glass, 12 ins.in the ground, for ¼ sec.cor.; dig pits 18x18x12 ins.E. and W.of cor.4 ft. dist.; and raise a mound of earth 3½ ft.base, 1½ ft. high over deposit.
	In E.pit drive a pine stake, 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked
	¼ S 23 on N.face; and 26 on S.face.
80.00	The cor.of secs.22,23,26, and 27.
	Land, level.

SUBDIVISION OF T. 4 S. R. 19 W.

Chains	
	Soil, alkaline; 3d rate.
	No timber.
	N.0°02'W.bet.secs.22 and 23,
	Over level land.
40.00	Deposit a quart of glass 12 ins.in the ground, for ¼ sec.cor.; dig pits 18x18x12 ins.N. and S.of cor.4 ft. dist.; and raise a mound of earth 3½ ft.base, 1½ ft. high over deposit.
	In S.pit drive a pine stake, 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked
	¼ S 22 on W.face, and 23 on E.face.
80.00	Deposit a quart of glass, 12 ins.in the ground, for cor. of secs.14,15,22, and 23; dig pits 18x18x12 ins.in each sec.4 ft.dist.; and raise a mound of earth 4 ft. base, 2 ft.high over deposit.
	In SE pit drive a pine stake, 2 ft.long, 2 ins.sq.12 ins.in the ground, marked
	T 4 S S 14 on NE.
	R 19 W S 23 on SE.
	S 22 on SW., and
	S 15 on NW.face; with 3 notches on S. and 2 notches on E.edges.
	Land, level.
	Soil, alkaline; 3d rate.
	No timber.
	I sight a flag set at cor.of secs.13,14,23 & 24 and run N.89° 58'E.on random line bet.secs.14 and 23.
40.00	Set temp.¼ sec.cor.
80.00	Intersect N. and S.line at the corner of secs.13,14 23, and 24.
	Thence I run

Chains. S.89° 58'W.on true line bet.secs.14 and 23,

Over level land.

40.00 Deposit a quart of glass, 12 ins.in the ground, for ¼ sec.cor.; dig pits 18x18x12 ins.E. and W.of cor.4 ft. dist.; and raise a mound of earth 3½ ft.base, 1½ ft. high over deposit.

In E.pit drive a pine stake, 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked

¼ S 14 on N.face; and 23 on S.face.

80.00 The cor.of secs.14,15,22, and 23.

Land, level.

Soil, alkali; 3d rate.

No timber.

July 30: At this cor.I set off 18°40' N.on the decl. arc; and at 0 h.06m.p.m.l.m.t.observe the sun on the meridian; the resulting lat.is 40° 28'

N.0°02'W.bet.secs.14 and 15,

Over level land.

40.00 Deposit a quart of glass 12 ins.in the ground, for ¼ sec.cor.; dig pits 18x18x12 ins.N. and S.of cor.4 ft. dist.; and raise a mound of earth 3½ ft.base, 1½ ft. high over deposit.

In S pit drive a pine stake 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked

¼ S 15 on W.face, and 14 on E.face.

80.00 Deposit a quart of glass, 12 ins.in the ground, for cor. of secs.10,11,14, and 15, dig pits 18x18x12 ins.in each sec.4 ft.dist.; and raise a mound of earth 4 ft.base, 2 ft.high over deposit.

In SE.pit drive a pine stake 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked

T 4 S S 11 on NE.,

R 19 W S 14 on SE.

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Chains.	
	S 15 on SW., and S 10 on NW.face; with 4 notches on S. and 2 notches on E.edges. Land, level. Soil, alakline; 3d rate. No timber.
	I sight a flag set at cor.of secs.11,12,13,& 14 and run N.89° 58'E.on random line bet.secs.11 and 14,
40.00	Set temp.$\frac{1}{4}$ sec.cor.
79.98	Intersect N. and S.line at the corner of secs.11,12,13, and 14; thence I run S.89° 58'W.on true line bet.secs.11 and 14, Over level land.
39.99	Deposit a quart of glass, 12 ins.in the ground, for $\frac{1}{4}$ sec.cor.; dig pits 18x18x12 ins.E. and W.of cor.4 ft. dist.; and raise a mound of earth 3$\frac{1}{2}$ ft.base, 1$\frac{1}{2}$ ft. high over deposit. In E.pit drive a pine stake, 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked $\frac{1}{4}$ S 11 on N.face; and 14 on S.face.
79.98	The cor.of secs.10,11,14, and 15. Land, level. Soil, alkaline; 3d rate. No timber.
	N.0°02'W.bet.secs.10 and 11, Over level land.
40.00	Deposit a quart of glass, 12 ins.in the ground, for $\frac{1}{4}$ sec.cor.; dig pits 18x18x12 ins.N. and S.of cor.4 ft. dist.; and raise a mound of earth 3$\frac{1}{2}$ ft.base, 1$\frac{1}{2}$ ft. high over deposit. In S.pit drive a pine stake, 2 ft.long, 2 ins.sq., 12

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Chains.	
	ins.in the ground, marked
	¼ S 10 on W.face; and 11 on E.face.
80.00	Deposit a quart of glass, 12 ins.in the ground, for cor. of secs.2,3,10, and 11; dig pits 18x18x12 ins.in each sec.4 ft.dist.; and raise a mound of earth 4 ft.base 2 ft.high over deposit.
	In SE.pitdrive a pine stake, 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked
	T 4 S S 2 on NE.
	R 19 W S 11 on SE.
	S 10 on SW., and
	S 3 on NW.face.; with 2 notches on E. and 5 notches on S.edges.
	Land, level.
	Soil, alkaline; 3d rate.
	No timber.
	I sight a flag set at cor.of secs.1,2,11 & 12, and run
	East.on random line bet.secs.2 and 11,
40.00	Set temp.¼ sec.cor.
80.03	Intersect N. and S.line at the corner of secs.1,2,11, and 12. Thence I run
	West on true line bet.secs.2 and 11,
	Over level land.
40.01½	Deposit a quart of glass 12 ins.in the ground, for ¼ sec. cor.; dig pits 18x18x12 ins.in each sec.4 ft.dist. and raise a mound of earth 3½ ft.base, 1½ ft.high over deposit.
	In E.pit drive a pine stake 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked
	¼ S 2 on N.face; 11 on S.face.
80.03	The cor.of secs.2,3,10, and 11.
	Land, level.
	Soil, alkaline;3d rate.
	No timber.

SUBDIVISION OF T. 4 S., R. 19 W.

Chains	
	I sight a flag set at cor. of secs. 2, 3, 34, and 35, and run
	N. 0°02' W. on random line bet. secs. 2 and 3,
40.00	Set temp. ¼ sec. cor.
80.18	Intersect N. bdy. of Tp. at the cor. of secs. 2, 3, 34, and 35, heretofore described.
	Thence I run
	S. 0°02' E. on true line bet. secs. 2 and 3,
	Over level land, in water and salt grass.
37.35	Leave water, draining NE.
39.05	Leave grass, bears N. 60° E.
40.18	Deposit a quart of glass, 12 ins. in the ground, for ¼ sec. cor.; dig pits 18x18x12 ins. N. and S. of cor. 4 ft. dist.; and raise a mound of earth 3½ ft. base, 1½ ft. high over deposit.
	In S. pit drive a pine stake, 2 ft. long, 2 ins. sq., 12 ins. in the ground, marked
	¼ S 3 on W. face; and 2 on E. face.
80.18	The cor. of secs. 2, 3, 10, and 11.
	Land, level.
	Soil, alkaline; 3d rate.
	No timber. July 30, 1907.

July 30, 1907: at the cor. of secs. 3, 4, 33, and 34 on S. bdy. of Tp. heretofore described, lat. 40° 25'; longitude 113° 59' 57" W., I set off 40° 25' on lat. arc 18°39' N. on decl. arc; and at 3 h. 06m. p.m., l.m.t. determine a meridian with the solar, and mark a point thereof on a stone firmly set in the ground, 5 chs. N. of the cor.

At 11 h. 19.6m. p.m. l.m.t. I observe Polaris at eastern elongation in accordance with Manual of Instructions, and mark a point in the line thus determined on a peg driven in the ground 5 chs. N. of my station.

July 30, 1907.

SUBDIVISION OF T. 4 S., R. 19 W.

Chains. July 31: At 7 h. 0 m.a.m.l.m.t.I lay off the azimuth of Polaris 1° 34' to the west, and mark the meridian thus determined by cutting a small groove in the stone set July 30, on which the meridian falls 0.3 ins.E.of the mark determined by the solar.

At 7 h.36 m.a.m.l.m.t.I set off 40° 25' on the lat.arc; 18° 29'N.on the decl.arc and mark a point in the meridian determined with the solar, by a cross on the stone already set 5 chs.N.of my station; this mark falls 0.3 ins.E.of the meridian established by the Polaris observation.

The solar apparatus by p.m. and a.m.observations defines positions for meridians respectively about 0' 16" west and 0'16" E.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 8 h.06 m. a.m.is N.17°29'W.; the angle thus determined gives the mag.decl.17° 29'E.

From said cor.of secs.3,4,33, and 34, I run

N.0°02'W.bet.secs.33 and 34,

Over level land.

40.00 Deposit a quart of glass, 12 ins.in the ground, for ¼ sec.cor.; dig pits 18x18x12 ins.N. and S.of cor.4 ft dist.; and raise a mound of earth 3½ ft.base, 1½ ft. high over deposit.

In S.pit drive a pine stake, 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked . . . . .

¼ S 33 on W.face;and 34 on E.face.

80.00 Deposit a quart of glass, 12 ins.in the ground, for cor.of secs.27,28,33, and 34; dig pits 18x18x12 ins. in each sec.4 ft.dist.; and raise a mound of earth 4

Chains.	
	ft.base, 2 ft.high over deposit.
	In SE.pit drive a pine stake, 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked
	T 4 S S27 on NE.
	R 19 W S 34 on SE.
	S 33 on SW. and
	S 28 on NW.face; with 3 notches on E. and 1 notch on S.edges.
	Land, level.
	Soil, alkaline; 3d rate.
	No timber.
	I sight a flag set at the cor.of secs.26,27,34 and 35 and run East bet.secs.27 and 34,on random line,
40.00	Set temp.$\frac{1}{4}$ sec.cor.
80.00	Intersect N. and S.line at the cor.of secs.26,27,34 and 35, Thence I run
	West on true line bet.secs.27 and 34,
	Over level land.
40.00	Deposit a quart of glass, 12 ins.in the ground, for $\frac{1}{4}$ sec.cor; dig pits 18x18x12 ins.E. and W.of cor.4 ft. dist.; and raise a mound of earth $3\frac{1}{2}$ ft.base, $1\frac{1}{2}$ ft. high over deposit.
	In E.pit drive a pine stake, 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked
	$\frac{1}{4}$ S 27 on N.face; and 34 on S.face.
80.00	The cor.of secs.27,28,33, and 34.
	Land, level.
	Soil, alkaline; 3d rate.
	No timber.
	N.0°02'W.bet.secs.27 and 28,

SUBDIVISION OF T. 4 S., R. 19 W.

Chains	
	Over level land.
40.00	Deposit a quart of glass, 12 ins.in the ground, for ¼ sec.cor.; dig pits 18x18x12 ins.N. and S.of cor.4 ft. dist.; and raise a mound of earth 3½ ft.base, 1½ ft. high over deposit.
	In S.pit drive a pine stake 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked
	¼ S 28 on W.face; and 27 on E.face.
80.00	Deposit a quart of glass, 12 ins.in the ground, for cor. of secs.21,22,27, and 28; dig pits 18x18x12 ins.in each sec.4 ft.dist.; and raise a mound of earth 4 ft. base, 2 ft.high over deposit.
	In SE.pit drive a pine stake 2 ft.long, 2 ins.sq, 12 ins.in the ground, marked
	T 4 S S 22 on NE.
	R 19 W S 27 on SE.
	S 28 on SW., and
	S 21 on NW.face; with 3 notches on E. and 2 notches on S.edges.
	Land, level.
	Soil, alkaline; 3d rate.
	No timber.
	I sight a flag set at the cor.of secs.22,23,26, and 27 and run
	East on random line bet.secs.22 and 27,
40.00	Set temp.¼ sec.cor.
80.06	Intersect N. and S.line at the cor.of secs.22,23,26, and 27. Thence I run
	West on a true line bet.secs.22 and 27,
	Over level land.
40.03	Deposit a quart of glass,12 ins.in the ground, for ¼ sec.cor.; dig pits 18x18x12 ins.E. and W.of cor.4 ft.

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Chains	dist.; and raise a mound of earth 3½ ft.base, 1½ ft. high over deposit.
	In E.pit drive a pine stake, 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked
	¼ S 22 on N.face; and 27 on S.face.
80.06	The cor.of secs.21,22,27, and 28.
	Land, level.
	Soil, alkaline;3d rate. No timber.
	July 31: At this cor.I set off 18° 26'N.on decl.arc; and at 0 h.06 m.p.m.l.m.t.observe the sun on the meridian; the resulting lat.is 40° 27'
	N.0°02'W.bet.secs.21 and 22,
	Over level land.
40.00	Deposit a quart of glass 12 ins.in the ground, for ¼ sec.cor.; dig pits 18x18x12 ins.N. and S.of cor.4 ft. dist.; and raise a mound of earth 3½ ft.base, 1½ ft. high over deposit.
	In S.pit drive a pine stake, 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked
	¼ S 21 on W.face; and 22 on E.face.
80.00	Deposit a quart of glass, 12 ins.in the ground, for cor. of secs.15,16,21, and 22; dig pits 18x18x12 ins.in each sec.4 ft.dist.; and raise a mound of earth 4 ft. base, 2 ft.high over deposit.
	In SE.pit drive a pine stake, 2 ft.long, 2 ins.sq.,12 ins.in the ground, marked
	T 4 S S 15 on NE.
	R 19 W S 22 on SE.,
	S 21 on SW., and
	S 16 on NW.face; with 3 notches on S. and E.edges.
	Land, level.
	Soil, alkaline; 3d rate.
	No timber.

SUBDIVISION OF T. 4 S., R. 19 W.

Chains	
	I sight a flag set at the cor.of secs.14,15,22, and 23 and run
	East on a random line bet.secs.15 and 22,
40.00	Set temp.$\frac{1}{4}$ sec.cor.
80.12	Intersect N. and S.line at the cor.of secs.14,15,22, and 23. Thence I run
	West on a true line bet.secs.15 and 22,
	Over level land.
40.06	Deposit a quart of glass, 12 ins.in the ground, for $\frac{1}{4}$ sec.cor.; dig pits 18x18x12 ins.E. and W.of cor.4 ft. dist.; and raise a mound of earth $3\frac{1}{2}$ ft.base, $1\frac{1}{2}$ ft. high over deposit.
	In E.pit drive a pine stake 2 ft.long, 2 ins.sq., 12 ins.in the ground,marked
	$\frac{1}{4}$ S 15 on N.face; and 22 on S.face.
80.12	The cor.of secs.15,16,21, and 22.
	Land, level.
	Soil, alkaline;3d rate.
	No timber.

	N.0°02'W. bet.secs.15 and 16,
	Over level land.
40.00	Deposit a quart of glass, 12 ins.in the ground, for $\frac{1}{4}$ sec.cor.; dig pits 18x18x12 ins.N. and S.of cor.4 ft. dist.; and raise a mound of earth $3\frac{1}{2}$ ft.base, $1\frac{1}{2}$ ft. high over deposit.
	In S.pit drive a pine stake, 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked
	$\frac{1}{4}$ S 16 on W.face; and 15 on E.face.
80.00	Deposit a quart of glass, 12 ins.in the ground for cor. of secs.9,10,15, and 16; dig pits 18x18x12 ins.in each sec.4 ft.dist.; and raise a mound of earth 4 ft.base 2 ft.high over deposit.

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Chains	In SE.pit drive a pine stake 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked T 4 S S 10 on NE., R 19 W S 15 on SE., S 16 on SW., and S 9 on NW.face; with 3 notches on E.and 4 notches on S.edges. Land level. Soil, alkaline; 3d rate. No timber.
	I sight a flag set at the cor.of secs.10,11,14,and 15 and run S.89° 58'E.on random line bet.secs10 and 15,
40.00	Set temp.¼ sec.cor.
80.20	Intersect N. and S.line at the cor.of secs.10,11,14, and 15. Thence I run N.89° 58'W.on true line bet.secs.10 and 15, Over level land.
40.10	Deposit a quart of glass, 12 ins.in the ground, for ¼ sec.cor; dig pits 18x18x12 ins.E. and W.of cor.4 ft. dist.; and raise a mound of earth 3½ ft.base, 1½ ft. high over deposit. In E.pit drive a pine stake, 2 ft.long, 2 ins.sq, 12 ins.in the ground, marked ¼ S 10 on N.face; and 15 on S.face.
80.20	The cor.of secs.9,10,15, and 16. Land, level. Soil, alkaline 3d rate. No timber.

SUBDIVISION OF T. 4 S., R. 19 W.

Chains. N.0°02'W.bet.secs.9 and 10,

Over level land.

40.00 Deposit a quart of glass, 12 ins.in the ground, for ¼ sec.cor.; dig pits 18x18x12 ins.N.and S.of cor.4 ft. dist.; and raise a mound of earth 3½ ft.base, 1½ ft. high over deposit.

In S.pit drive a pine stake, 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked

¼ S 9 on W.face; and 10 on E.face.

80.00 Deposit a quart of glass, 12 ins.in the ground, for cor.of secs.3,4,9, and 10; dig pits 18x18x12 ins.in each sec.4 ft.dist.; and raise a mound of earth 4 ft. base, 2 ft.high over deposit.

In SE.pit drive a pine stake, 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked

T 4 S S 3 on NE.

R 19 W S 10 on SE.

S 9 on SW., and

S 4 on NW.face; with 3 notches on E. and 5 notches on S.edges.

Land, level.

Soil, alkaline; 3d rate.

No timber.

I sight a flag set at the cor.of secs.2,3,10, and 11, and run

East on a random line bet.secs.3 and 10,

40.00 Set temp.¼ sec.cor.

80.30 Intersect N. and S.line at the cor.of secs.2,3,10, and 11. Thence I run

West on a true line bet.secs.3 and 10,

Over level land.

40.15 Deposit a quart of glass, 12 ins.in the ground, for ¼

SUBDIVISION OF T. 4 S., R. 19 W.

Chains	
	sec.cor; dig pits 18x18x12 ins.E. and W.of cor.4 ft. dist.; and raise a mound of earth 3½ ft.base, 1½ ft. high over deposit.
	In E.pit drive a pine stake, 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked
	¼ S 3 on N.face and 10 on S.face.
80.30	The cor.of secs.3,4,9, and 10.
	Land, level.
	Soil, alkaline; 3d rate.
	No timber.
	I sight a flag set at the cor.of secs.3,4,33, and 34 on N.bdy.of Tp., and run
	N.0° 13'W.on random line bet.secs.3 and 4,
40.00	Set temp.½ sec.cor.
80.05	Intersect N.bdy.of Tp.at the cor.of secs.3,4,33, and 34 heretofore described. Thence I run
	S.0°13'E.on true line bet.secs.3 and 4,
	Over level land; through salt grass and water.
40.05	Deposit a quart of glass, 12 ins.in the ground, for ¼ sec.cor.; dig pits 18x18x12 ins.N. and S.of cor. 4 ft.dist.; and raise a mound of earth 3½ ft.base, 1½ ft.high over deposit.
	In S.pit drive a pine stake, 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked
	¼ S 4 on W.face; and 3 on E.face.
49.05	Leave salt grass bears E. and W.
52.05	Leave water, bears E. and W.
80.05	The cor.of secs.3,4,9, and 10.
	Land, level.
	Soil, alkaline; 3d rate.
	No timber.

July 31, 1907.

SUBDIVISION OF T 4 S R 19 W

Chains	Aug.1, 1907: At 7 h. 36 m.a.m.l.m.t.I set off 40° 25' on lat.arc; 18° 15'N.on decl.arc; and determine a meridian with the solar at the cor.of secs.4,5,32, and 33, on S.bdy.of Tp., heretofore described.
	Thence I run
	N.0°03'W.bet.secs.32 and 33,
	Over level land; through scattering greasewood under-growth, in sandy soil.
40.00	Deposit a quart of glass, 12 ins.in the ground, for ¼ sec.cor.;dig pits 18x18x12 ins.N. and S. of cor.4 ft. dist.; and raise a mound of earth 3½ft.base, 1½ ft. high over deposit.
	In S.pit drive a pine stake, 2 ft.long, 2 ins.sq, 12 ins.in the ground, marked
	¼ S 32 on W.face; and 33 on E.face.
80.00	Deposit a quart of glass, 12 ins.in the ground. for cor. of secs.28,29,32, and 33; dig pits 18x18x12 ins.in each sec.4 ft.dist.; and raise a mound of earth 4 ft. base, 2 ft.high over deposit.
	In SE.pit drive a pine stake, 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked
	T 4 S S 28 on NE.,
	R 19 W S 33 on SE.
	S 32 on SW., and
	S 29 on NW.face; with 4 notches on E.and 1 notch on S.edge;
	Land, level.
	soil, alkaline; 3d rate.
	No timber.
	East on a random line bet.secs.28 and 33,
40.00	Set temp.¼ sec.cor.

SUBDIVISION OF T. 4 S., R. 19 W.

Chains.	
80.00	Intersect N.and S. line at the cor.of secs.27,28,33 and 34. Thence I run
	West on a true line bet.secs.28 and 33,
	Over level land.
40.00	Deposit a quart of glass, 12 ins.in the ground, for ¼ sec.cor.; dig pits 18x18x12 ins.E. and W. of cor.4 ft. dist.; and raise a mound of earth 3½ ft.base, 1½ ft. high over deposit.
	In E.pit drive a pine stake, 2 ft.long, 2 ins.square,12 ins.in the ground, marked
	¼ S 28 on N.face; and 33 on S.face.
80.00	The cor.of secs.28,29,32, and 33.
	Land, level.
	Soil, alkaline; 3d rate.
	No timber.
	N.0° 03' W. bet.secs.28 and 29
	Over level land.
40.00	Deposit a quart of glass, 12 ins.in the ground, for ¼ sec.cor.; dig pits 18x18x12 ins.N. and S. of cor.3 ft.dist.; and raise a mound of earth 3½ ft.base, 1½ ft.high over deposit.
	In S.pit drive a pine stake, 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked
	¼ S 29 on W.face, and 28 on E.face.
80.00	Deposit a quart of glass, 12 ins.in the ground, for cor. of secs.20,21,28, and 29; dig pits 18x18x12 ins.N. and S.of cor.4 ft.dist.; and raise a mound of earth 4 ft. base, 2 ft.high over deposit.
	In SE pit drive a pine stake, 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked
	T 4 S S 21 on NE.
	R 19 W S 28 on SE.

SUBDIVISION OF T 4 S R. 19 W.

Chains.	
	S 29 on SW., and S 20 on NW.face; with 4 notches on E. and 2 notches on S.edges; Land, level. Soil, alkaline; 3d rate. No timber.
	I sight a flag set at the cor.of secs.21,22,27, and 28 and run N.89° 58'E.on a random line bet.secs.21 and 28
40.00	Set temp.¼ sec.cor.
80.00	Intersect N. and S.line at the cor.of secs.21,22,27,and 28. Thence I run S.89°58'W.on true line bet.secs.21 and 28, Over level land.
40.00	Deposit a quart of glass, 12 ins.in the ground, for ¼ sec.cor.; dig pits 18x18x12 ins.E. and W.of cor.4 ft. dist.; and raise a mound of earth 3½ ftbase, 1½ ft. high over deposit. In E.pit drive a pine stake, 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked ¼ S 21 on N.face; and 28 on S.face.
80.00	The cor.of secs.20,21,28, and 29 Land, level. Soil, alkaline; 3d rate. No timber.
	N.0°03'W.bet..secs.20 and 21. Over level land.
40.00	Deposit a quart of glass, 12 ins.in the ground, for ¼ sec.cor.; dig pits 18x18x12 ins.N. and S.of cor.4 ft. dist.; and raise a mound of earth 3½ ft.base, 1½ ft.

SUBDIVISION OF T 4 S R 19 W

Chains	
	high over deposit.
	In S.pit drive a pine stake, 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked
	$\frac{1}{4}$ S 20 on W.face; and 21 on E.face.
78.20	Head of Erickson's springs bears N.45° 42'W.
78.80	Head of Erickson's Springs bears S.80° 35'W.; enter salt grass and water.
80.00	Deposit a quart of glass, 12 ins.in the ground, for cor.of secs.16,17,20, and 21; dig pits 18x18x12 ins. in each sec.4 ft.dist.; and raise a mound of earth 4 ft.base, 2 ft.high over deposit.
	In SE.pit drive a pine stake, 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked
	T 4 S S 16 on NE.,
	R 19 W S 21on SE.
	S 20 on SW., and
	S 17 on NW.face; with 3 notches on S.and 4 notches on E. edge.
	Land, level.
	Soil, alkaline; 3d rate.
	No timber.

	I sight a flag set at the cor.of secs.15,16,21, and 22 and run
	N.89° 58'E.on random line bet.secs.16 and 21,
40.00	Set temp.$\frac{1}{4}$ sec.cor.
79.86	Intersect N.and S.line at the cor. of secs.15,16,21 and 22; Thence I run
	S.89° 58'W.on true line bet.secs.16 and 21,
	Over level land.
39.93	Deposit a quart of glass, 12 ins.in the ground, for $\frac{1}{4}$ sec.cor.; dig pits 18x18x12 ins.E. and W.of cor.4 ft.dist.; and raise a mound of earth $3\frac{1}{2}$ ft.base, $1\frac{1}{2}$ ft.high over deposit.
	In E.pit drive a pine stake, 2 ft.long, 2 ins.sq.12 ins.

SUBDIVISION OF T. 4 S., R. 19 W.

Chains	
	in the ground, marked
	¼ S 16 on N.face; and 21 on S.face.
79.86	The cor.of secs.16,17,20, and 21.
	Land, level.
	Soil, alkaline; 3d rate.
	No timber.
	Aug.1: At this cor.I set off 18° 11'W. on decl.arc; and at 0 h.06 m.p.m. l.m.t.observe the sun on the meridian; the resulting lat.is 40° 28'
	N.0°03'W.bet.secs.16 and 17,
	Over level land, salt and bayonet grass and water.
40.00	Deposit a quart of glass, 12 ins.in the ground, for ¼ sec.cor.; dig pits 18x18x12 ins.N. and S.of cor.4 ft. dist.; and raise a mound of earth 3½ ft.base, 1½ ft. high over deposit.
	In S.pit drive a pine stake, 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked
	¼ S 17 on W.face; and 16 on E.face.
54.55	Leave salt grass, bayonets and water, Brains S.45° W.
80.00	Deposit a quart of glass, 12 ins.in the ground, for cor.of secs.8,9,16, and 17; dig pits 18x18x12 ins.in each sec.4 ft.dist.; and raise a mound of earth 4 ft. base, 2 ft.high over deposit.
	In SE pit drive a pine stake, 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked
	T 4 S S 9 on NE.
	R 19 W S 16 on SE.
	S 17 on SW! and
	S 8 on NW.face; with 4 notches on E.and S.edges.
	Land, level.
	Soil, alkaline; 3d rate.

SUBDIVISION OF T. 4 S.R 19 W

Chains	
	No timber.
	I sight a flag set at the cor.of secs.9,10,15, and 16, and run
	N.89° 58'E.on random line bet.secs.9 and 16,
40.00	Set temp.$\frac{1}{4}$ sec.cor.
79.90	Intersect N. and S.line at the cor.of secs.9,10,15, and 16. Thence I run
	S.89° 58'W.on true line bet.secs.9 and 16,
	Over level land.
39.95	Deposit a quart of glass , 12 ins.in the ground, for $\frac{1}{4}$ sec.cor.;dig pits 18x18x12 ins.E. and W.of cor.4 ft. dist.; and raise a mound of earth $3\frac{1}{2}$ ft.base, $1\frac{1}{2}$ ft. high over deposit.
	In E.pit drive a pine stake, 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked
	$\frac{1}{4}$ S 9 on N.face; and 16 on S.face.
79.90	The cor.of secs.8,9,16, and 17.
	Land, level.
	Soil, alkaline; 3d rate.
	No timber.
	N.0°03'W.bet.secs.8 and 9
	Over level land.
40.00	Deposit a quart of glass, 12 ins.in the ground, for $\frac{1}{4}$ sec.cor.; dig pits 18x18x12 ins.N. and S.of cor.4 ft. dist.; and raise a mound of earth $3\frac{1}{2}$ ft.base, $1\frac{1}{2}$ ft. high over deposit.
	In S.pit drive a pine stake, 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked
	$\frac{1}{4}$ S 8 on W.face; and 9 on E. face.
80.00	Deposit a quart of glass, 12 ins.in the ground, for cor.

SUBDIVISION OF T. 4 S, R. 19 W.

Chains	
	of secs.4,5,8, and 9; dig pits 18x18x12 ins.in each sec.4 ft.dist.; and raise a mound of earth 4 ft.base 2 ft.high over deposit.
	In SE.pit drive a pine stake, 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked
	T 4 S S 4 on NE.
	R 19 W S 9 on SE.
	S 8 on SW., and
	S 5 on NW.face; with 5 notches on S. and 4 notches on E.edges.
	Land, level.
	Soil, alkaline; 3d rate.
	No timber.
	I sight a flag set at the cor.of secs.3,4,9, and 10, and run
	East on a random line bet.secs.4 and 9,
40.00	Set temp.$\frac{1}{4}$ sec.cor.
79.70	Intersect N. and S.line at the cor.of secs.3,4,9, and 10. Thence I run
	West on a true line bet.secs.4 and 9,
	Over level land.
39.85	Deposit a quart of glass, 12 ins.in the ground, for $\frac{1}{4}$ sec.cor.; dig pits 18x18x12 ins.E. and W.of cor.4 ft. dist.; and raise a mound of earth $3\frac{1}{2}$ ft.base, $1\frac{1}{2}$ ft. high over deposit.
	In E.pit drive a pine stake, 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked
	$\frac{1}{4}$ S 4 on N.face; and 9 on S.face.
79.70	The cor.of secs.4,5,8, and 9.
	Land level.
	Soil, alkaline 3d rate.
	No timber.

SUBDIVISION OF T. 4 S., R. 19 W.

Chains.	
	I sight a flag set at the cor. of secs. 4, 5, 32, and 33 on N. bdy. of Tp., and run
	N. 0° 03' W. on random line bet. secs. 4 and 5,
40.00	Set temp. ¼ sec. cor.
80.00	Intersect N. bdy. of Tp. at the cor. of secs. 4, 5, 32, and 33 heretofore described. Thence I run
	S. 0° 03' E. on true line bet. secs. 4 and 5,
[illegible]	Over level land, covered with water and salt grass.
40.00	Deposit a quart of glass, 12 ins. in the ground, for ¼ sec. cor.; dig pits 18x18x12 ins. N. and S. of cor. 4 ft. dist.; and raise a mound of earth 3½ ft. base, 1½ ft. high over deposit.
	In S. pit drive a pine stake 2 ft. long, 2 ins. sq., 12 ins. in the ground, marked
	¼ S 5 on W. face; and 4 on E. face.
70.00	Leave salt grass, bears E. and W.
78.00	Leave water, varying from 1 in. to 2 ft. deep.
80.00	The cor. of secs. 4, 5, 8, and 9.
	Land, level. Soil, alkaline; 3d rate.
	No timber. Aug. 1, 1907.

Aug. 2: At 7 h. 06 m. a.m. l.m.t. I set off 40° 25' on lat. arc; 18° 00' N. on decl. arc; and determine a meridian with the solar at the cor. of secs. 5, 6, 31, and 32. on S. bdy. of Tp., heretofore described. Thence I run

N. 0° 04' W. bet. secs. 31 and 32,

Over mountainous land.

32.50	Top of bluff, bears N. 60° W. and S. 60° E. Descend.
40.00	Set a quartzite stone 14x10x4 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.
42.00	Foot of bluff bears N. 60° W. and S. 60° E.
	Thence along steep E. face of mountain.
[illegible]	[illegible]

SUBDIVISION OF T. 4 S., R. 19 W.

Chains.	
80.00	Set a limestone 18x7x6 ins., 12 ins.in the ground for cor.of secs.29,30,31, and 32, marked with 5 notches on E. and 1 notch on S.edge; and raise a mound of stone 2 ft.base, 1½ ft.high W.of cor.Pits impracticable.
	Land, level and mountainous.
	Soil, stony;3d rate.
	No timber.
	East on a random line bet.secs.29 and 32,
40.00	Set temp.¼ sec.cor.
80.00	Intersect N. and S.line at the corner of sections 28, 29,32, and 33. Thence I run
	West on a true line bet.secs.29 and 32,
	Over level alkali land.
25.00	Leave alkali land bears N. and S.; enter sandy bench in scattering greasewood undergrowth.
40.00	Deposit a quart of glass, 12 ins.in the ground, for ¼ sec.cor.; dig pits 18x18x12 ins.E. and W.of cor.4 ft. dist.; and raise a mound of earth 7½ ft.base, 1½ ft. high over deposit.
	In E.pit drive a pine stake 2 ft.long, 2 ins.square, 12 ins.in the ground,marked ¼ S 29 on N.face,32 on S.face.
43.95	Road, Toano to Ibapah , bears N. and S. Ascend gravelly bench.
72.00	Leave bench; begin ascent of steep mountain bearing N. 30° E. and S.30° W.
80.00	The cor.of secs.29,30,31, and 32.
	Land, level and mountainous.
	Soil, alkaline,3d rate; and sandy 2d rate.
	No timber. Undergrowth greasewood.
	Mountainous land on 36.05 chs.
	Knowing that I will intersect the Utah-Nevada Bdy.line,

SUBDIVISION OF T. 4 S., R. 19 W.

Chains	
	I run, West on true line bet.secs.30 and 31.
	Over rough mountainous land; ascending.
32.00	Top of ascent, 400 ft.above flat, bears N.and S. and descend over rough broken country.
35.73	Intersect Utah-Nevada Bdy.line, 12.43 chs.S.0° 41'E.of mile post No.61, heretofore described.
	Set a porphyry stone 24x8x8 ins., 18 ins.in the ground for closing cor.of secs.30 and 31, marked CC U on E. N.on W. face; with 1 groove on S. and 5 grooves on N. faces.
	This cor.is on level land; highest beach mark of old Lake Bonneville.
	Land, mountainous. [illegible] Bdy.
	Soil, stony; 3d rate. [illegible]
	No timber. [illegible]
	Mountainous land 35.73 chs.
	[illegible]

N.0°04'W.bet.secs.29 and 30,

	Over rolling mountain and bench land; descending.
5.00	Foot of descent; thence over rolling country.
40.00	Set a porphyry stone 15x8x7 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.
77.00	Begin descent into wash, bears E. and W.
79.50	Wash, drains E. Ascend.
80.00	Set a limestone 15x8x7 ins., 10 ins.in the ground, for cor.of secs.19,20,29, and 30, marked with 2 notches on S. and 5 notches on E.edges; and raise a mound of stone 2 ft.base, 1½ ft.high W. of cor.Pits impracticable.
	Land, mountainous and rolling.

SUBDIVISION OF T 4 S R 19 W

Chains.	
	Soil, gravelly; 3d rate, or sandy, 2d rate.
	No timber.
	Mountainous land 80.00 chs.
	East on a random line bet.secs.20 and 29,
40.00	Set temp $\frac{1}{4}$ sec.cor.
80.00	Intersect N.and S.line at the cor.of secs.20,21, 28, and 29. Thence I run
	West on a true line bet.secs.20 and 29
	Over level alkali land.
17.00	Leave alkali land; enter sandy land and greasewood
	Begin gentle ascent of bench, bearing N. and S.
40.00	Deposit a quart of glass, 12 ins.in the ground, for $\frac{1}{4}$ sec.cor; dig pits 18x18x12 ins.E. and W.of cor.4 ft. dist.; and raise a mound of earth $3\frac{1}{2}$ ft.base, $1\frac{1}{2}$ ft. high over deposit.
	In E.pit drive a pine stake, 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked
	$\frac{1}{4}$ S 20 on N.face; and 29 on S.face.
45.00	Leave bench; begin ascent of mountain.
45.63	Road Toano to Ibapah, N, bears N. and S.
50.50	Top of limestone ridge, bears N.40° W. and S.40° E.
	Thence over rolling mountainous land [illegible].
80.00	To cor.of secs.19,20,29, and 30.
	Land, level or mountainous.
	Soil, alkaline and sandy; 3d and 2d rates.
	No timber.
	Undergrowth greasewood.
	Mountainous land on 35.00 chs.

SUBDIVISION OF T. 4 S., R. 19 E.

Chains	
	Knowing that I will intersect the Utah-Nevada Bdy.line I run
	West on a true line bet.secs.19 and 30,
	Ascending over rolling mountainous land,
36.61	Intersect Utah-Nevada Bdy.line 12.79 chs.S.0°41'E.of mile post No.60, heretofore described.
	Set a limestone 12x10x8 ins., 8 ins.in the ground for closing cor.of secs.19 and 30, marked C C and U on E., N on W., with 4 grooves on N. and 2 grooves on S.face; and raise a mound of stone 2 ft.base, 1½ ft. high S.of cor.Pits impracticable.
	Land, rolling mountains.
	Soil, stony, gravelly; poor quality.
	No timber.
	Mountainous land 36.61 chs.
	N.0°04'W.bet.secs.19 and 20,
	Over rough mountain ridge; ascending.
28.56	Top of ridge, 300 ft.above sec.cor., bears N.58° W. and S.58° E. Descend over precipitous ledges.
40.00	Foot of steep mountain, bears N.45° W.and S.45° E.
	Set a limestone 18x10x4 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.
	Thence over undulating mountain land.
68.00	Leave mountainous land, bears N.40° W. and S.40° E.
	Thence over rolling bench, bears NW. and SE.
	Descend gently.
72.65	Road, Toano to Deep Creek, bears N.35° W. and S.35° E.
77.07	Road to spring bears N.60° W. and S.60° E.
80.00	Set a limestone 15x9x7 ins., 10 ins.in the ground for

Chains.	
	cor.of secs.17,18,19, and 20, marked with 3 notches on S. and 5 notches on E.edges; and raise a mound of stone 3 ft.base, 1½ ft.high W.of cor.Pits impracticable.
	Land, mountainous.and undulating.
	Soil, stony and sandy; 3d and 4th rate.
	No timber.
	Mountainous land on 68.00 chs.
	Aug.2: At this cor.I set off 17° 56'N.on the decl.arc; and at 0 h. 06 m.p.m.l.m.t.observe the sun on the meridian; the resulting lat.is 40° 28'
	I sight a flag set at the cor.of secs.16,17,20, and 21, and run
	N.89° 56'E.on a random line bet.secs.17 and 20,
40.00	Set temp.¼ sec.cor.
80.00	Intersect N. and S.line at the cor.of secs.16,17,20, and 21. Thence I run
	S.89° 56'W.on true line bet.secs.17 and 20,
	Over level land, salt and bayonet grass and shallow surface water.
15.00	Leave grass and water; thence over level alkali land.
40.00.	Deposit a quart of glass, 12 ins.in the ground, for ¼ sec.cor.; digpits 18x18x12 ins.E. and W.of cor.4 ft. dist.; and raise a mound of earth 3½ ft.base, 1½ ft. high over deposit.
	In E.pit drive a pine stake 2 ft.long, 2 ins.square, 12 ins.in the ground, marked
	¼ S 17 on N.face, and 20 on S.face.
44.00	Begin ascent of bench, bearing N.45° W. and S.45° E.
80.00	The cor.of secs.17,18,19, and 20.
	Land, level and rolling bench.
	Soil, sandy and stony; 2d rate.
	No timber.

SUBDIVISION OF T. 4 S., R. 19 E.

Chains	
	Knowing that I Will intersect the Utah-Nevada Bdy. I run
	West on true line bet.secs.18 and 19,
	Over rolling bench land.
30.00	Road, Toano to Deep Creek, bears N.15° W. and S.15° E.
31.50	Leave bench; enter mountain land bears N. and S.
36.80	Intersect Utah-Nevada Bdy.line, 12.38 chs.S.0°05'E. of mile post No.59, heretofore described.
	Set a limestone 18x8x7 ins., 12 ins.in the ground, for closing cor.of secs.18 and 19, marked C C U on E., N on W., with 3 grooves on N. and S.faces; and raise a mound of stones 2 ft.base, 1½ ft.high E.of cor.
	Pits impracticable.
	Land, rolling and mountainous.
	Soil, sandy and stony; 3d rate.
	No timber.
	Mountainous land 5.30 chs.

See Cor. Notes B Page 1.

	N.0°04'W.bet.secs.17 and 18,
	Over rolling bench land; descending.
40.00	Set a limestone 15x8x5 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.
	Leave bench land bears N. 40° W. and S. 40° E. Enter level alkali land.
80.00	Set a limestone 15x7x6 ins., 10 ins.in the ground, for cor.of secs.7,8,17, and 18, marked with 5 notches on E. and 4 notches on S.edges; and raise a mound of stones 2 ft.base, 1½ ft.high W.of cor.Pits impracticable.
	Land, level and rolling.
	Soil, sand, clay, and alkaline; 2d and 4d rate.

SUBDIVISION OF T. 4 S., R. 19 W

Chains	
	No timber.
	I sight a flag set at the cor.of secs.8,9,16, and 17 and run
	N.89° 55'E.on random line bet.secs.8 and 17,
40.00	Set temp.$\frac{1}{4}$ sec.cor.
80.00	Intersect N. and S.line at the cor.of secs.8,9,16, and 17. Thence I run
	S.89° 55'W.on true line bet.secs.8 and 17,
	Over level land.
40.00	Deposit a quart of glass 12 ins.in the ground for $\frac{1}{4}$ sec. cor.; dig pits 18x18x12 ins.E. and W.of cor.4 ft.dist. and raise a mound of earth $3\frac{1}{2}$ ft.base, $1\frac{1}{2}$ ft.high over deposit.
	In W.pit drive a pine stake, 2 ft.long, 2 ins.square, 12 ins.in the ground, marked
	$\frac{1}{4}$ S 8 on N.face; and 17 on S.face.
80.00	The cor.of secs.7,8,17, and 18.
	Land, level.
	Soil, alkaline; 3d rate.
	No timber.
	Knowing I will intersect Utah-Nevada Bdy.line, I run
	West on true line bet.secs.7 and 18,
	Over level alkali land.
24.00	Leave alkali land; ascend to rolling bench, bears N.15° W. and S.15° E.
31.00	Road, Toano to Deep Creek bears N. and S.
36.73	Intersect Utah-Nevada Bdy.line 12.30 chs.S.0° 5'E. of Mile Post No.58, heretofore described,
	Set a limestone 12x10x8 ins., 8 ins.in the ground for closing cor.of secs.7 and 18, marked C C U on E., N on W., with 4 grooves on S. and 2 grooves on N.face; and raise a mound of stone 2 ft.base, $1\frac{1}{2}$ ft.high E.of

Corrective
s Book 4
ective 2

SUBDIVISION OF T. 4 S., R. 19 W.

Chains	
	corner. Pits impracticable.
	Land, level and rolling.
	Soil, clay and sand; 3d rate.
	No timber.
	N.0°04'W.bet.secs.7 and 8,
	Over level alkali land.
40.00	Set a limestone 15x7x5 ins. 10 ins.in the ground for $\frac{1}{4}$ sec.cor., marked $\frac{1}{4}$ on W.face; and raise a mound of stone 2 ft.base, $1\frac{1}{2}$ ft.high W.of cor.Pits impracticable.
	Enter salt grass, bayonet grass, and water, bearing E. and W.
80.00	Set a limestone 18x7x5 ins., 12 ins.in the ground, for cor.of secs.5,6,7, and 8, marked with 5 notches on S. and E.edges; and raise a mound of stones 2 ft.base, $1\frac{1}{2}$ ft.high W.of cor.Pits impracticable.
	Land, level.
	Soil, alkaline; 3d rate.
	No timber.
	I sight a flag set at the cor.of secs .4,5,8, and 9, and run
	N.89° 55'E.on a random line bet.secs.5 and 8,
40.00	Set temp.$\frac{1}{4}$ sec.cor.
80.02	Intersect N. and S.line at the cor.of secs.4,5,8, and 9. Thence I run
	S.89° 55'W.on true line bet.secs.5 and 8,
	Over level land.
40.01	Deposit a quart of glass, 12 ins.in the ground, for $\frac{1}{4}$ sec.cor.; dig pits 18x18x12 ins.E. and W.of cor.4 ft.

Chains. dist.; and raise a mound of earth 3½ ft.base, 1½ ft. high over deposit.

In E.pit drive a pine stake, 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked

+ S 5 on N.face; and 8 on S.face.

45.02 Enter salt grass, bears N.60° E. and S.60° W.

52.02 Outlet of Blue Lake 1.30 chs.N.of this point.

58.09 Enter Blue Lake, bears N.60° E. and S.60° W.

62.46 Leave Blue Lake bears N.45° W. and S.45° E.

80.02 The cor.of secs.5,6,7, and 8.

Land, level.

Soil, alkaline; 3d rate.

No timber.

West bet.secs.6 and 7,

Over level salt grass land.

9.50 To edge of lagoon, bearing N.50° E. and S.50° W.

Point for intersection with Utah-Nevada Bdy.line falls in lagoon.

To determine the distance to said intersection with the Utah-Nevada bdy.line; also the distance from mile post No.57 I proceed as follows:

At this point deposit a quart of glass, 12 ins.in the ground, for witness point for closing cor.of secs.6 and 7; dig pits 18x18x12 ins.E. and W.of cor.4 ft. dist. ; and raise a mound of earth 3½ ft.base, 1½ ft. high over deposit.

See Correction Notes Book 4 Page 2 & 3

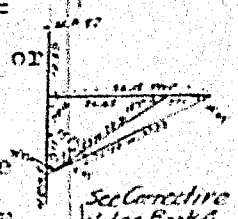
In E.pit drive a pine stake 2 ft.long, 2 ins.square, 12 ins.in the ground, marked

W P S 6 on N.face; and 7 on S.face.

From witness point I turn off an angle of 18° 51' from west to south for flag at W. P. on S.edge of lagoon 58.30 chs.N.0° 16'E.of mile post No.58. I then return to cor.of secs.5,6,7, and 8 and turn off an angle of

SUBDIVISION OF T. 4 S. , R. 19 W.

Chains. 14° 08' from west to south for same flag; therefore the dist.from said W.P.on 58th mile on Utah-Nevada bdy.line to point of intersection with said sec.line equals 9.50 ÷ (cot.14° 08' - cot.18° 51') or 9.50 ÷ 1.04229 equals 9.11; hence point of intersection = 58.30 plus 9.11 =67.41 N.0° 16'E.from M.P.No.58, or 80.00 - 67.41 =12.59 S.0° 16'W. of M.P.No.57; and 9.11 x cot.18° 51' or 9.11 x 2.92910 =26.69. The course of the Utah-Nevada bdy.line being N.0° 16'E. the dist. from the point of triangulation to the intersection with the Utah-Nevada bdy.line would be 26.69 - .04 for departure = 26.65, which, added to 9.50 makes



See Corrective Notes Book 4 Pages 2 & 3

36.15. Point for intersection Utah-Nevada bdy.line 12.59 chs. S.0° 16'W. of point for mile post No.57.

Land, level.

Soil, alkaline; 3d rate.

No timber.

I sight a flag at the cor.of secs.5,6,31, and 32, and run

N.0° 04'W.bet.secs.5 and 6 on random line,

40.00 Set temp.¼ sec.cor.

79.98 Intersect N.bdy.of the Tp.at the cor.of secs.5,6,31, and 32, heretofore described. Thence I run

S.0° 04'E.on true line bet.secs.5 and 6,

Over level land.

39.98 Deposit a quart of glass 12 ins.in the ground, for ¼ sec.cor.; dig pits 18 x 18 x 12 ins.N. and S.of cor. 4 ft.dist.; and raise a mound of earth 3½ ft.base, 1½ ft.high over deposit.

In S.pit drive a pine stake 2 ft.long, 2 ins.square, 12 ins.in the ground, marked

¼ S 6 on W.face, and 5 on E.face.

SUBDIVISION OF T. 4 S., R. 19 W.

Chains.	
79.98	The cor.of secs.5,6,7, and 8. Land, level. Soil, alkaline; 3d rate. No timber. August 2, 1907.

GENERAL DESCRIPTION.

This township is rough and mountainous in the southwestern part; gently rolling in the south-central; and the remainder is almost level.

Salt Springs, which rise on sections 5,6, and 7, and from which flows a large body of slightly brackish or saline water, form the chief water supply of the township; Erickson's Springs, situated in sec.20, being the only other springs the Tp.affords.

On the mountainous portions the vegetation consists of rather a scanty growth of bunch grass and scattering low shrubs; on the rolling portions it is made up of shadscale and greasewood undergrowth; while the level portions, which are alkaline in nature, are destitute of vegetation, except where the water from the above mentioned springs flows. Here the margin of the streams and ponds is fringed with a dense growth of bayonet grass, while farther out, where the water is more shallow, we enter vast stretches of salt grass, with exceptional patches of wire grass.

The numerous ponds and streams, teeming with small fish and other animal life, together with the rank grasses, afford an ideal home for wild water fowl, particularly in the fall of the year while the ducks and geese are migrating southward. It is veritably the duck hunter's paradise. The ducks rise from the surface of the water at times in such clouds as to almost obscure the sun.

GENERAL DESCRIPTION T. 4 S., R. 19 W.

I found no indications of mineral, other than salt, on this township.

Near the head of Salt Springs there is a low ridge ending abruptly in a limestone point about 40 ft. above the level of the spring, that affords a commanding view of the country for miles around. In ancient times it has been a favorite camping ground and workshop for prehistoric man, as attested by pieces of pottery and broken arrow heads made of obsidian and various colored flint, with which the ground is strewn. Some very perfect arrow heads are still to be found there. By uncovering the debris from the mouth of the small caves that have been used for rude shelters, interesting relics could doubtless be found.

There are no settlers on this township.

Thomas J. Stroke

U.S. Deputy Surveyor.

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PAGE

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

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

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

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

.....

owing the respective capacities in which they acted:

r list of names and final oaths of assistants see book "Z4", *Chainman.*

1 N., R. 16 W. ....., *Chainman.*

....., *Moundman.*

....., *Moundman.*

....., *Axman.*

....., *Axman.*

....., *Flagman.*

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted .....

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

ose parts or portions of the .....

.....

.....

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

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

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

eneral for .....

....., *Chainman.*

....., *Chainman.*

....., *Moundman.*

....., *Moundman.*

....., *Axman.*

....., *Axman.*

....., *Flagman.*

.....

ubscribed and sworn to before me this .....
day of ....., 190

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 ....., 190 , 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 .....

For final affidavit see book "Z4" T. 1 N., R. 16 W.

..... 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.

.....
United States Deputy Surveyor.

Subscribed by said ....., and sworn to before me this ..... day of ....., 190

SEAL

.....

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, May 8, 1908.

The foregoing field notes of the survey of the subdivisional lines of Township No.4 South, Range No. 19 West of the Salt Lake Base and Meridian, Utah,

executed by Alonzo J.Stookey under his contract No. 296, dated March 21, 1907, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Thomas Hill
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-344

FILED
SEP 2 1908

CORRECTIVE

FIELD NOTES

To Book "L" Original Notes
OF THE SURVEY OF THE

SUBDIVISION

OF

TOWNSHIP 4 SOUTH, RANGE 12 WEST

Of the Salt Lake Base and *Meridian,*

UTAH

AS SURVEYED BY

Alonzo J. Stookey, *United States Deputy Surveyor,*

Under his Contract No. 296, *dated* March 21, *190* 7.

Survey commenced July 20, *190* 8

Survey completed July 20, *190* 8.

6—151

NAMES AND DUTIES OF ASSISTANTS.

David Sharp Jr.	Chainman.
Lionel J.Stookey,	Chainman.
Lionel J.Stookey,	Moundman.

For preliminary affidavits see book 1 Tp.1 S., R. 17 W.

BOOK A-344

INDEX DIAGRAM.

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

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

Meanders Page.....

PRELIMINARY OATHS OF ASSISTANTS.

WE, ... and .....
do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain 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 ....., 190

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 ....., 190

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 ....., 190

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 ....., 190

SEAL

CORRECTIVE NOTES

SUBDIVISION OF T. 4 S., R. 19 W.

Chains. July 20, 1908.

The courses of the line between miles posts 58 and 59 and 59 and 60, on the Utah-Nevada Bdy.line having been found to be N. 0° 14'W. and N.0° 09'W., respectively, instead of N.0° 05'W., in each case, as originally returned by me, I deem it necessary to retrace the lines between secs.7 and 18, and 18 and 19 and 6 and 7 as follows:

I begin at the cor.of secs.17, 18, 19, and 20, as set by me and heretofore described, and at 7h.36 m.a.m. l.m.t., I set off 20° 41' N.on decl.arc, 40° 28' on lat.arc, and determine a meridian with the solar.

Thence I run

West on true line bet.secs.18 and 19,

2.97 Road, Toano to Deep Creek, bears N.38° W. and S. 38°E.

36.86 Intersect the Utah-Nevada Bdy.line. From this point the closing cor.as set by me bears west 25 lks.dist.

I destroy all traces of this corner; and at my intersection with the boundary, that is 25 lks.E.of its former position, I set same stone, a limestone 18 x 8 x 7 ins., 12 ins.in the ground, for closing cor.of secs.18 and 19, with markings C C U on E., N on W., with 3 grooves on N. and S.faces; and raise a mound of stones 2 ft.base, 1½ ft.high E.of cor. Pits impracticable.

This closing cor.therefore bears S.0° 09'E. 12.38 chs. distant from mile post No.59, as set by me and heretofore described.

See original notes p. 2 page 3

From the cor.of secs.7,8,17, and 18, as established by myself and heretofore described, I run

West on true line bet.secs.7 and 18,

31.09 Road, Toano to Deep Creek, bears N. and S.

CORRECTIVE NOTES

SUBDIVISION OF T. 4 S., R. 19 W.

Chains.
36.96 Intersect Utah-Nevada Bdy.line.

From this point the closing corner set by me bears west 16 lks.dist.

I destroy all traces of this cor.; and at my intersection with the Utah-Nevada Bdy., that is,16 lks.E.of its former position, I set same stone, which is a limestone 12 x 10 x 8 ins., 8 ins.in the ground for closing cor.of secs.7 and 18, with markings C C U on E., N on W., with 4 grooves on S. and 2 grooves on N.face; and raise a mound of stone 2 ft.base, 1½ ft. high E.of cor.

This closing corner, therefore, bears S.0° 14'E. 12.30 chs.from Mile Post No.58, as set by me and heretofore described.

From the cor.of secs.5, 6, 7, and 8, as established by myself and described in my original notes, I run West on true line bet.secs.6 and 7.

9.75 Intersect witness point at edge of lagoon as set by me and described in my original notes.

From this witness point I turn off an angle of 18° 51' from west to south for flag at W.P.on S.edge of lagoon, 58.30 chs.N.0° 16'E. of mile post No.58. I then return to cor.of secs.5,6,7, and 8, and turn off an angle of 14° 02' from west to south for same flag; therefore the dist.from said W.P.on 58th mile on Utah-Nevada bdy.line to point of intersection with said sec.line equals 9.75 ÷ (cot.14° 02' — cot.18° 51') or 9.75 ÷ 1.07176 equals 9.11; hence point of intersection equals 58.30 plus 9.11, equals 67.41.N. 0° 16'E.from M.P.No.58, or 80.00 minus 67.41, equals 12.59 S.0° 16'W. of M.P.No.57; and 9.11 x cot.18°51' or 9.11 x 2.92910 equals 26.69. The course of the

CORRECTIVE NOTES

SUBDIVISION OF T. 4 S., R. 19 W.

Chains.	Utah-Nevada bdy.line being N.0° 16'E., the dist.from the point of triangulation to the intersection with the Utah-Nevada bdy.line would be 26.69 minus .04 for departure, equals 26.65, which added to 9.75 makes
36.40	Point for intersection Utah-Nevada bdy.line 12.59 chs. S.0° 16'W.of point for mile post No.57.

See original with loss L pages 40

July 20, 1908.

Alonzo J. Stookey

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:

For list of names and final oaths of assistants see book 6, *Chainman.*

T. 10 S., R. 5 W.

_____, *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 _____, 190

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 ....., 190 , 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 .....

For final affidavit see book 6, Tp.10 S., R. 5 W.

..... 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.

.....
United States Deputy Surveyor.

Subscribed by said ....., and sworn to before me this ..... day of ....., 190 .

SEAL

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, December 4, 1908.

The foregoing field notes of the corrective survey of subdivision of Township No. 4 South Range No. 19 West of the Salt Lake Base and Meridian, Utah,

executed by Alonzo J. Stookey under his contract No. 296, dated March 21, 1907, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the corrective surveys they describe, are hereby approved.

Thomas Hall
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-344

M.

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JAN 9 1903

FIELD NOTES

OF THE SURVEY OF THE

EAST AND NORTH BOUNDARIES

OF

TOWNSHIP NO. 3 SOUTH,

RANGE NO. 19 WEST

Of the Salt Lake Base and *Meridian,*

U T A H

AS SURVEYED BY

Alonzo J. Stookey, *United States Deputy Surveyor,*

Under his Contract No. 296, *dated* March 21, *1907.*

Survey commenced August 2, *1907.*

Survey completed August 3, *1907.*

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11-32 v

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BOOK A-344

NAMES AND DUTIES OF ASSISTANTS.

Ralph Gentry,	Chainman.
Asael Tanner,	Chainman.
Lionel J.Stookey	Moundman,
Richard Orr,	Moundman.
Warren Eyman,	Flagman.

For preliminary affidavits see book " B " Tp.10 S., R. 5 W.

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BOOK A-344

INDEX DIAGRAM.

Township 3 South, *Range* 19 West

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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 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 ....., 190

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 ....., 190

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 ....., 190

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 ....., 190

SEAL

EAST BOUNDARY T. 3 S. R. 19 W.

Chains. Survey commenced Aug.2, 1907 and executed with the instrument described in book "A" of this survey.

At the cor.of Tps.3 and 4 S., R. 19 W. established by myself and heretofore described, lat.40° 30' 25" N.; long.113° 56' 31" W., I set off 40° 30' on the lat.arc 17° 54'N.on the decl.arc, and at 4 h.06m.p.m.lmm.t. determine with the solar a meridian and mark a point thereof on a stone firmly set in the ground 5 chs.N. of the cor.

At 10 h.48 m.p.m.l.m.t.I observe Polaris at eastern elongation, in accordance with Manual of Instructions and mark a point in the line thus determined on a peg driven in the ground, 5 chs.N.of my station.

August 2, 1907.

August 3: At 7 a.m.l.m.t.I lay off the azimuth of Polaris is 1° 34' to the west and mark the meridian thus determined, by cutting a small groove in the stone set Aug.2, on which the meridian falls 0.3 ins.E.of the mark determined by the solar.

At 8 h.06 m.a.m.l.m.t.I set off 40° 30' on the lat.arc 17° 44'N.on the decl.arc; and mark a point in the meridian determined with the solar, by a cross on the stone already set 5 chs.N.of my station; this mark falls 0.4 ins.E.of the meridian established by the Polaris observation.

The solar apparatus by p.m.and am.observations defines positions for meridians respectively about 0'16"west a and 0'21" east of the meridian established by the Polaris observations; therefore I conclude that the adjustments of the instrument are satisfactory.

The magnetic bearing of the true meridian at 8h 0m. a.m.is N.17° 28'W.;the angle thus determined gives the

EAST BOUNDARY T. 3 S., R. 19 W

Chains.	mag.decl.17° 28'E.
	From said Tp.cor.I run
	North bet.secs.31 and 36,
	Over level alkali land in very shallow water moving gently to NE.
5.00	Leave water drains N.45° E.
40.00	Deposit a quart of glass, 12 ins.in the ground, for ¼ sec.cor.; dig pits 18x18x12 ins.N. and S.of cor.4 ft. dist.; and raise a mound of earth 3½ ft.base, 1½ ft. high over deposit.
	In S.pit drive a pine stake, 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked
	¼ S 36 on W.face; and 31 on E.face.
80.00	Deposit a quart of glass, 12 ins.in the ground, for cor. of secs.25,30,31, and 36, dig pits 18x18x12 ins.in each sec.4 ft.dist.; and raise a mound of earth 4 ft. base, 2 ft.high over deposit.
	In SE.pit drive a pine stake, 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked
	T 3 S S 30 on NE.
	R 18 W S 31 on SE.,
	R 19 W S 36 on SW., and
	S 25 on NW.face; with 1 notch on S. and 5 notches on N.edges.
	Land, level.
	Soil, alkaline; 3d rate.
	No timber.
	North bet.secs.25 and 30,
	Over level land.

EAST BOUNDARY T. 3 S., R. 19 W.

Chains.
40.00 Deposit a quart of glass 12 ins.in the ground, for ¼ sec.cor.; dig pits 18x18x12 ins.N. and S.of cor.4 ft. dist.; and raise a mound of earth 3½ ft.base, 1½ ft. high over deposit.

In S.pit drive a pine stake, 2 ft.long, 2 ins.sq.,12 ins.in the ground, marked

¼ S 25 on W.face; and 30 on E.face.

80.00 Deposit a quart of glass, 12 ins.in the ground, for cor. of secs.19,24,25, and 30; dig pits 18x18x12 ins.in each sec.4 ft.dist.; and raise a mound of earth 4 ft. base, 2 ft.high over deposit.

In SE.pit drive a pine stake, 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked

T 3 S S 19 on NE.

R 18 W S 30 on SE.

R 19 W S 25 on SW., and

S 24 on NW.face; with 2 notches on S. and 4 notches on N.edges.

Land, level.

Soil, alkaline; 3d rate.

No timber.

North bet.secs.19 and 24,

Over level land.

40.00 Deposit a quart of glass, 12 ins.in the ground, for ¼ sec.cor.; dig pits 18x18x12 ins.N. and S.of cor.4 ft. dist.; and raise a mound of earth 3½ ft.base, 1½ ft. high over deposit.

In S.pit drive a pine stake, 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked

¼ S 24 on W.face; and 19 on E.face.

80.00 Deposit a quart of glass, 12 ins.in the ground, for cor.

[illegible] of secs. [illegible], and [illegible]; dig pits [illegible] ins. in each sec., 4 ft. dist., and raise a mound of earth 4 ft. base, 2 ft. high, [illegible] mound.

In [illegible] ft. set stone [illegible] ft. long, [illegible] ins. [illegible] ins. in the ground, marked

[illegible]

[illegible]

[illegible]

[illegible]

Land, level.

Soil, [illegible].

No timber.

North [illegible] secs. [illegible] and [illegible].

[illegible]

[illegible] [illegible] ins. in the ground, for ¼ sec. cor., [illegible] 4 ft. dist., and raise a mound of earth [illegible] ft. base, 1½ ft. high, [illegible] mound.

In [illegible] ft. set [illegible] stone [illegible] ft. long, [illegible] ins. sq., [illegible] ins. in the ground, marked

¼ [illegible]

[illegible] Set [illegible] stone [illegible], [illegible] ins. in the ground, for cor. of secs. [illegible], and [illegible]; dig pits [illegible] ins. in each sec., 4 ft. dist., and raise a mound of earth 4 ft. base, 2 ft. high, [illegible] mound.

In [illegible] ft. set stone [illegible] ft. long, [illegible] ins. sq., [illegible] ins. in the ground, marked

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

EAST BOUNDARY T. 3 S., R. 19 W.

Chains. Land, level.

Soil, alkaline; 3d rate.

No timber.

North bet.secs.7 and 12,

Over level land.

40.00 Deposit a quart of glass, 12 ins.in the ground, for ¼ sec.cor.; dig pits 18x18x12 ins.N. and S.of cor.4 ft. dist.; and raise a mound of earth 3½ ft.base, 1½ ft. high over deposit.

In S.pit drive a pine stake, 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked

¼ S 12 on W.face; and 7 on E.face

80.00 Deposit a quart of glass, 12 ins.in the ground, for cor. of secs.1,6,7, and 12; dig pits 18x18x12 ins.in each sec.4 ft.dist.; and raise a mound of earth 4 ft.base, 2 ft.high over deposit.

In SW.pit drive a pine stake 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked

T 3 S S C on NE.

R 18 W S 7 on SE.

R 19 W S 12 on SW., and

S 1 on NW.face; with 5 notches on S. and 1 notch on N.edge.

Land, level.

Soil, alkaline; 3d rate.

No timber.

North bet.secs.1 and 6,

Over level land.

40.00 Deposit a quart of glass, 12 ins.in the ground, for ¼ sec.cor.; dig pits 18x18x12 ins.N. and S.of cor.4 ft.

EAST BOUNDARY T. 3 S., R. 19 W.

Chains. dist.; and raise a mound of earth $3\frac{1}{2}$ ft.base $1\frac{1}{2}$ ft. high over deposit.

In S.pit drive a pine stake, 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked

$\frac{1}{4}$ S 1 on W.face; and 6 on E.face.

80.00 Deposit a quart of glass, 12 ins.in the ground, for cor. of Tps.2 and 3 S., Rs.18 and 19 W.;dig pits 24x24x12 i ins. on each line N., S.,E.and W.of cor.5 ft.dist. and raise a mound of earth 5 ft.base, $2\frac{1}{2}$ ft.high over deposit.

In E.pit drive a pine stake, 2 ft.long, 2 ins.sq,12 ins.in the ground, marked

T 2 S S 31 on NE.

R 18 W S 6 on SE.

T 3 S S 1 on SW., and

R 19 W S 36 on NW.face; with 6 notches on each e. edge.

Land, level.

Soil, alkaline; 3d rate.

No timber.

Aug.3, 1907: At this cor.I set off 17° 41'N.on the decl. arc; and at 0 h.06 m.p.m.l.mt.observe the sun on the meridian; the resulting lat.is 40° 36'

For general description see notes of subdivision of this township.

Alonzo J. Stookey
U.S. Deputy Surveyor.

NORTH BOUNDARY T.3 S.R.19 W.

Chains. Survey commenced Aug.3, 1907, and executed with the instrument described in book "A" of this survey.

From the cor.of Tps.2 and 3.S.Rs.18 and 19 W., set by me and heretofore described, I run

West bet.secs.1 and 36,

Over level land.

40.00 Deposit a quart of glass, 12 ins.in the ground, for ¼ sec.cor.; dig pits 18x18x12 ins.N.and W.of cor.4ft. dist.; and raise a mound of earth 3½ ft.base, 1½ ft.hi high over deposit.

In N.pit drive a pine stake, 2 ft.long, 2 inssq.,12 ins.in the ground, marked

¼ S 36 on W.face; and 1 on S.face.

80.00 Deposit a quart of glass, 12 ins.in the ground, for cor. of secs.1,2,35, and 36; dig pits 18x18x12 ins.in each sec.4 ft.dist.; and raise a mound of earth 4 ft.base 2 ft.high over deposit.

In SW.pit drive a pine stake, 2 ft.long, 2 inssq.,12 ins.in the ground, marked

T 2 S S 36 on NE.

R 19 W S.1 on SE.

T 3 S S 2 on SW; and

S 35 on NW.face; with 1 notch on E. and 5 notches on W.edges.

Land, level.

Soil, alluvium; 3d rate.

No timber.

West bet.secs.2 and 35,

Over level land.

40.00 Deposit a quart of glass, 12 ins.in the ground, for ¼ sec.cor.;dig pits 18x18x12 ins.E. and W.of cor.4 ft. dist.; and raise a mound of earth 3½ ft.base, 1½ ft.

NORTH BOUNDARY T. 3 S., R. 19 W.

Chains.	high over deposit.
	In E.pit drive a pine stake, 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked.
	¼ S 35 on N.face; and 2 on S.face.
80.00	Deposit a quart of glass, 12 ins.in the ground, for cor. of secs.2,3,34, and 35; dig pits 18x18x12 ins.in each sec.4 ft.dist.; and raise a mound of earth 4 ft.base 2 ft.high over deposit.
	In SE.pit drive a pine stake 2 ft.long, 2 insssq., 12 ins.in the ground, marked
	T 2 S S 35 on NE.
	R 19 W S S 2 on SE.
	T 3 S S 3 on SW., and
	S 34 on NW.face; with 2 notches on E. and 4 notches on W.edge.
	Land, level.
	Soil, alkali; 3d rate.
	No timber.
	West bet.secs.3 and 34,
	Over level land.
40.00	Deposit a quart of glass, 12 ins.in the ground, for ¼ sec.cor.; dig pits 18x18x12 ins.E. and W.of cor. 4 ft.dist.; and raise a mound ofeearth 3½ ft.base, 1½ ft.high over deposit.
	In E.pit drive a pine stake, 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked
	¼ S 34 on N.face; and 3 on S.face.
80.00	Deposit a quart of glass, 12 ins.in the ground, for cor.of secs.3,4,33, and 34; dig pits 18x18x12 ins.in each sec.4 ft.dist.; and raise a mound of earth 4 ft. base, 2 ft.high over deposit.
	In SE.pit drive a pine stake, 2 ft.long, 2 ins.sq.,12 ins.in the ground, marked

NORTH BOUNDARY T..3 S., R. 19 W.

Chains.

T 2 S S 34 on NE.

R 19 W S 3 on SE.,

T 3 S.S.4 on SW., and

S 33 on NW.face; with 3 notches on E.and W.edges.

Land, level.

Soil, alkali; 3d rate.

No timber.

West bet.secs.4 and 33,

Over level land.

40.00 Deposit a quart of glass, 12 ins.in the ground, for $\frac{1}{4}$ sec.cor.; dig pits 18x18x12 ins.in each sec.4 ft. dist.; and raise a mound of earth $3\frac{1}{2}$ ft.base, $1\frac{1}{2}$ ft. high over deposit.

In N.pit drive a pine stake, 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked

$\frac{1}{4}$ S 33 on N.face; and 4 on S.face.

80.00 Deposit a quart of glass, 12 ins.in the ground, for cor. of secs.4,5,32, and 33,; dig pits 18x18x12 ins.in each sec.4 ft.dist.; and raise a mound of earth 4 ft. base, 2 ft.high over deposit.

In SW.pit drive a pine stake, 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked

T 2 S.S 33 on NE.

R 19 W S 4 on SE.

T 3 S S 5 on SW., and

S 32 on NW.face; with 4 notches on E. and 2 notches on W.edges.

Land, level.

Soil, alkaline; 3d rate.

No timber.

West bet.secs.5 and 32,

NORTH BOUNDARY T.3 S., R. 19 W.

Chains	
	Over level land.
40.00	Deposit a quart of glass, 12 ins.in the ground, for ¼ sec.cor.; dig pits 18x18x12 ins.E. and W.of cor.4 ft. dist.; and raise a mound of earth 3½ ft.base, 1½ ft. high over deposit.
	In E.pit drive a pine stake, 2 ft.long, 2.ins.sq., 12 ins.in the ground, marked ¼ S 32 on N.face; and 5 on S.face.
80.00	Deposit a quart of glass, 12 ins.in the ground, for cor. of secs.5,6,31, and 32; dig pits 18x18x12 ins.in each sec.4 ft.dist.; and raise a mound of earth 4 ft.base 2 ft.high over deposit.
	In SE.pit drive a pine stake, 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked T 2 S S 32 on NE. R 19 W S 5 on SE., T 3 S S 6 on SW., and S 31 on NW.face; with 5 notches on E. and 1 notch on Wedge.
	Land, level.
	Soil, alkaline; 3d rate.
	No timber.
	West bet.secs.6 and 31,
	Over level land.
32.65	Intersect Utah-Nevada Boundary line 12.95 chs.S.0° 16'W. of mile post No.50, heretofore described.
	Deposit a quart of glass, 12 ins.in the ground, for closing cor.of Tps.2 and 3 S., R. 19 W.; dig pits 30 x 24 x 12 ins.crosswise on each line N.S.and E.of cor. 5 ft.dist.; and raise a mound of earth 5 ft.base, 2½ ft.high over deposit.
	In E.pit drive a pine stake, 2 ft.long, 2 ins.sq., 12

NORTH BOUNDARY T 3 S R 19 W

Chains. ins.in the ground, marked [illegible] on N., U on E.

C C R 19 W on E.

T 2 S S 31 on N., and

T 3 S S 6 on S.face; with 6 grooves on N., S., and E.faces; with U on E. and N on W.face.

Land, level.

Soil, alkaline; 3d rate.

No timber.

From this cor.mile post No.50, Utah-Nevada Bdy.bears N. 0° 16'E.12.95 chs.dist.

Aug.3, 1907.

For general description see notes of subdivision of this township.

Alonzo J. Stookey
U.S. Deputy Surveyor.

BOUNDARIES T. 3 S., R. 19 W.

LATITUDES, DEPARTURES, AND CLOSING ERRORS.

Line designated.	True Bearing	Dist. chs.	Dist. N. chs.	Latitudes, S. chs.	Departures. E. chs.	W. chs.
South Boundaryy	East	435.91	.....	.....	435.91	.....
East Boundary	North	480.00	480.00	.....	.....	.....
North Boundary	West	432.65	.....	.....	.....	432.65
Utah-Nevada Bdy.	S.0°16'W.	479.77	.....	479.76	.....	2.23
Convergency						.61
Totals			480.00	479.76	435.91	435.49
			479.76		435.49	
Error in lat.and dep.			0.24		0.42	

Alonzo J. Stookey
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:

For list of names and final affidavits see book " O " Range line, Tps. 1. & 2 S., Rs 18 & 19 W. ....., *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 ....., 190

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 ....., 190 , 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 .....

For final affidavit see book " O " Range line Tps. 1 & 2 S., Rs. 18 and 19 W.

..... 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.

.....
United States Deputy Surveyor

Subscribed by said ....., and sworn to before me this ..... day of ....., 190

SEAL

.....

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, May 8, 1908

The foregoing field notes of the survey of the east and north boundaries of Township No. 3 South, Range No. 19 West of the Salt Lake Base and Meridian, Utah,

executed by Alonzo J. Stookey under his contract No. 296, dated March 21, 1907, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Thomas Hull
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-344

N.

FILED
JAN 2 1908

FIELD NOTES

OF THE SURVEY OF THE

SUBDIVISION

OF

TOWNSHIP No. 3 S., R. 19 W.

Of the Salt Lake Base and *Meridian,*

Utah.

AS SURVEYED BY

Alonzo J. Stookey, *United States Deputy Surveyor,*

Under his Contract No. 296, *dated* March 21, *1907.*

Survey commenced August 5, *1907.*

Survey completed August 9, *1907.*

6—151

Low 57-12-40 ✓
Closing 66-00 ✓

BOOK A-344

NAMES AND DUTIES OF ASSISTANTS.

Ralph Gentry, Chainman.

Asael Tanner, Chainman.

Lionel J.Stookey, Moundman.

Richard Orr, Moundman.

Warren Eyman, Flagman.

For preliminary affidavits see book "F" T.10 S., R. 5 W.

BOOK A-344

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PRELIMINARY OATHS OF ASSISTANTS.

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

.....

..... *Chainman.*

..... *Chainman.*

Subscribed and sworn to before me this .....
day of ....., 190

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 ....., 190

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 ....., 190

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 ....., 190

SEAL

.....

.....

SUBDIVISION OF T 3 S R 19 W

Chains	
	Survey commenced Aug.5, 1907, and executed with the instrument described in book "A" of this survey.
	At 7 h.06 m.a.m.l.m.t.I set off 40° 30'N.on lat.arc 17° 13'N.on decl.arc: and determine a meridian with the solar at the cor.of secs.1,2,35, and 36 on S.bdy. bdy.of Tp.heretofore described. Thence I run
	N.0°01'W.bet.secs.35 and 36,
	Over level land, covered with salt grass and water.
8.00	Leave salt grass bears N.60° E. and S.60° W.
15.00	Leave water bears N.60° E. and S.60° W.
40.00	Deposit a quart of glass, 12 ins.in the ground, for ¼ sec.cor.; dig pits 18x18x12 ins.N. and S.of.cor.4 ft. dist.; and raise a mound of earth 3½ ft.base, 1½ ft. high over deposit.
	In S.pit drive a pine stake, 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked
	¼ S 35 on W.face; and 36 on E.face.
80.00	Deposit a quart of glass, 12 ins.in the ground, for cor. of secs.25,26,35, and 36; dig pits 18x18x12 ins.in each sec.4 ft.dist.; and raise a mound of earth 4 ft. base, 2 ft.high over deposit.
	In SE.pitdrive a pine stake, 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked
	T 3 S S 25 on NE.
	R 19 W S 36 on SE.
	S 35 on SW., and
	S 26 on NW.face, with 1 notch on E. and S.edges.
	Land, level.
	Soil, alkaline; 3d rate.
	No timber.

I sight a flag at the cor.of secs.25,30,31, and 36 on E.bdy.of township, and run for flag.

SUBDIVISION OF T. 2 S., R. 19 W.

Chains.	
	East on a random line bet.secs.25 and 36,
40.00	Set temp.¼ sec.cor.
80.00	Intersect E.bdy.of Tp.at the cor.of secs.25,30,31, and 36, heretofore described. Thence I run
	West on a true line bet.secs.25 and 36,
	Over level land.
40.00	Deposit a quart of glass, 12 ins.in the ground, for ¼ sec.cor.; dig pits 18x18x12 ins.E. and W.of cor.4 ft. dist,; and raise a mound of earth 3½ ft.base, 1½ ft. hih over deposit.
	In E.pit drive a pine stake, 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked
	¼ S 25 on N.face; and 36 on S.face.
80.00	The cor.of secs.25,26,35, and 36.
	Land, level.
	Soil, alkaline; 3d rate.
	No timber.
	N.0°01'W.bet.secs.25 and 26,
	Over level alkali land.
40.00	Deposit a quart of glass, 12 ins.in the ground, for ¼ seccor.; dig pits 18x18x12 ins.N. and S.of cor.4 ft. dist., and raise a mound of earth 3½ ft.base, 1½ ft. high over deposit.
	In S.pit drive a pine stake, 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked
	¼ S 26 on W.face; and 25 on E.face.
80.00	Deposit a quart of glass, 12 ins.in the ground, for cor.of secs.23,24,25 and 26; dig pits 18x18x12 ins. in each sec.4 ft.dist.; and raise a mound of earth 4 ft.base, 2 ft.high over deposit.
	In SE.pit drive a pine stake, 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked

SUBDIVISION OF T. 3.S., R. 19 W.

Chains.	
	T 3 S S 24 on NE. R 19 W S 25 on SE., S 26 on SW., and S 23 on NW.face; with 1 notch on E. and 2 notches on S.edges. Land, level. Soil, alkaline; 3d rate. No timber.
	I sight a flag at the cor.of secs.19,24,25 and 30 on E.bdy.of Tp., and run for flag, East on a random line bet.secs.24 and 25
40.00	Set temp.¼ sec.cor.
80.00	Intersect E.bdy.of township at the cor.of secs.19,24, 25, and 30.heretofore described. Thence I run West on a true line bet.secs.24 and 25, Over level land.
40.00	Deposit a quart of glass, 12 ins.in the ground, for ¼ sec.cor.; dig pits 18x18x12 ins.E. and W.of cor.4 ft. dist.; and raise a mound of earth 3½ ft.base, 1½ ft. high over deposit. In E.pit drive a pine stake, 2 ft.long, 2 ins.square 12 ins.in the ground, marked ¼ S 24 on N.face; and 25 on S.face.
80.00	The cor.of secs.23,24,25, and 26. Land, level. Soil, alkaline; 3d rate. No timber.
	N.0°01'W.bet.secs.23 and 24 Over level land.
40.00	Deposit a quart of glass, 12 ins.in the ground, for ¼ sec.cor. dig pits 18x18x12 ins.N. and S.of cor.4 ft.

SUBDIVISION OF T. 3 S., R. 19 W.

Chains.	
	dist.; and raise a mound of earth 3½ft.base, 1½ ft. high over deposit.
	In S.pit drive a pine stake, 2 ft.long, 2 ins.sq.,12 ins.in the ground, marked
	¼ S 23 on W.face; and 24 on E.face.
80.00	Deposit a quart of glass, 12 ins.in the ground, for cor. of secs. 13,14,23, and 24; dig pits 18x18x12 ins.in each sec.4 ft.dist.; and raise a mound of earth 4 ft. base, 2 ft.high over deposit.
	In SE.pit drive a pine stake, 2 ft.long, 2 ins.sq.,12 ins.in the ground, marked
	T 3 S S 13 on NE.
	R 19 W S 24 on SE.
	S 23on SW., and
	S 14 on NW.face. with 1 notch on E. and 3 notches on S.edges.
	Land, level.
	Soil, alkaline; 3d rate.
	No timber.
	I sight a flag at the cor.of secs.13,18,19, and 24 on E.bdy.of Tp. and run for flag,
	N.89° 58'E.on random line bet.secs.13 and 24,
40.00	Set temp.¼ sec.cor.
80.00	Intersect E.bdy.of Tp.at the cor.of secs.13,18,19, and 24, heretofore described.
	Thence I run
	S.89° 58'W.on true line bet.secs.13 and 24,
	Over level land.
40.00	Deposit a quart of glass, 12 ins.in the ground, for ¼ sec.cor.; dig pits 18x18x12 ins.E. and W.of cor.4 ft. dist.; and raise a mound of earth 3½ ft.base, 1½ ft. high over deposit.

SUBDIVISION T. 3 S., R. 19 W.

Chains. In E.pit drive a pine stake, 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked

½S 13 on N.face; and 24 on S.face.

80.00 The cor.of secs.13,14,23, and 24.

Land, level.

Soil, alkaline; 3d rate.

No timber.

Aug.5: At this cor.I set off 17° 09'N.on decl.arc and at 0 h.06 m.p.m.l.m.t.observe the sun on the meridian the resulting lat.is 40° 33'

N.0°01'W.bet.secs.13 and 14,

Over level land.

40.00 Deposit a quart of glass, 12 ins.in the gr und, for ¼ sec.cor.; dig pits 18x18x12 ins.N. and S.of cor.4 ft. dist.; and raise a mound of earth 3½ ft.base, 1½ ft. high over deposit.

In S.pit drive a pine stake, 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked

¼ S 14 on W.face; and 13 on E.face.

80.00 Deposit a quart of glass, 12 ins.in the ground for cor. of secs.11,12,13, and 14; dig pits 18x18x12 ins.in each sec.4 ft.dist.; and raise a mound of earth 4 ft. base, 2 ft.high over deposit.

In SE.pitdrive a pine stake, 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked

T 3 S S 12 on NE.

R 19 W S 13 on SE.

S 14 on SW., and

S 11 on NW.face; with 1 notch on E. and 4 notches on S.edges.

Land, level.

Soil, alkaline; 3d rate.

No timber.

SUBDIVISION OF T. 3 S., R. 19 W.

Chains	
	I sight a flag set at the cor.of secs.7,12,13, and 18 and run for said flag,
	N.89° 57'E.on random line bet.secs.12 and 13,
40.00	Set temp.¼ sec.cor.
80.00	Intersect E.bdy.of Tp.at the cor.of secs.7,12,13, and 18, heretofore described. Thence I run
	S.89° 57'W.on true line bet.secs.12 and 13,
	Over level land,
40.00	Deposit a quart of glass, 12 ins.in the ground, for ¼ sec.cor.; dig pits 18x18x12 ins.E. and W.of cor.4 ft. dist.; and raise a mound of earth 3½ ft.base, 1½ ft. high over deposit.
	In E.pitdrive a pine stake, 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked
	¼ S 12 on N.face; and 13 on S.face.
80.00	The cor.of secs.11,12,13, and 14.
	Land, level.
	Soil, alkaline; 3d rate.
	No timber.
	N.0°01'W.bet.secs.11 and 12,
	Over level land.
40.00	Deposit a quart of glass, 12 ins.in the ground, for ¼ sec.cor.; dig pits 18x18x12 ins.N. and S.of cor.4 ft. dist.; and raise a mound of earth 3½ ft.base, 1½ ft. high over deposit.
	In S.pit drive a pine stake, 2 ft.long, 2 ins.sq., 12 ins.in the ground,marked
	¼ S 11 onW.face; and 12 on E.face.
80.00	Deposit a quart of glass, 12 ins.in the ground, for cor. of secs.1,2,11, and 12; dig pits 18x18x12 ins.in each sec.4 ft.dist.; and raise a mound of earth 4 ft.base 2 ft.high over deposit.

SUBDIVISION OF T. 3 S., R. 19 W.

Chains	
	In SE.pit drive a pine stake, 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked T 3 S S 1 on NE. R 19 W S 12 on SE., S 11 on SW., and S 2 on NW.face; with 1 notch on E. and 5 notches on S.edges. Land, level. Soil, alkali; 3d rate. No timber.
	I sight a flag set at the cor.of secs. 1,6,7, and 12 on E.bdy.of Tp., and run for flag. N.89° 57'E.on random line bet.secs.1 and 12.
40.00	Set temp.¼ sec.cor.
79.98	Intersect E.bdy.of Tp.at the cor.of secs.1,6,7, and 12, heretofore described. Thence I run S.89° 57'W.on true line bet.secs.1 and 12, Over level land.
39.99	Deposit a quart of glass, 12 ins.in the ground, for ¼ sec.cor.; dig pits 18x18x12 ins.E. and W.of cor.4 ft. dist.; and raise a mound of earth 3½ ft.base, 1½ ft. high over deposit. In E.pit drive a pine stake, 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked ¼ S 1 on N.face; and 12 on S.face.
79.98	The cor.of secs.1,2,11,and 12. Land, level. Soil, alkali; 3d rate. No timber.
	I sight a flag set at the cor.of secs.1,2,35 and 36 on

SUBDIVISION OF T.3 S., R.19 W.

Chains	
	N.bdy.of Tp., and run for flag,
	N.0°02'W.on random line bet.secs.1 and 2,
40.00	Set temp.¼ sec.cor.
80.00	Intersect N.bdy.of Tp.at the cor.of secs.1,2,35, and 36 heretofore described. Thence I run
	S.0°02'E.on true line bet.secs.1 and 2,
	Over level land.
40.00	Deposit a quart of glass, 12 ins.in the ground, for ¼ sec.cor.; dig pits 18x18x12 ins.N. and S.of cor.4 ft. dist.; and raise a mound of earth 3½ ft.base, 1½ ft. high over deposit.
	In S.pit drive a pine stake, 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked
	¼ S 2 on W.face; and 1 on E.face.
80.00	The cor.of secs.1,2,11, and 12.
	Land, level.
	Soil, alkaline; 3d rate.
	No timber.
	Aug.5, 1907.

	Aug.6: At 7 h.36 m.a.m.l.m.t.I set off 40° 30'N.on lat. arc; 16° 57'N.on decl.arc; and determine a meridian with the solar at the cor.of secs. 2,3,34, and 35 on S.bdy.of Tp., heretofore described.
	Thence I run
	N.0°02'W.bet.secs.34 and 35,
	Over level land, and salt grass, bears
25.00	Leave salt grass, bears E. and W.
40.00	Deposit a quart of glass, 12 ins.in the ground, for ¼ sec.cor.; dig pits 18x18x12 ins.N. and S.of cor.4 ft. dist.; and raise a mound of earth 3½ft.base, 1½ ft. high over deposit.
	In S.pit drive a pine stake, 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked

SUBDIVISION OF T. 3 S., R. 19 W.

Chains.	
	$\frac{1}{2}$ S 34 on W.face; and 35 on E.face.
75.00	Enter salt grass bears N.40° E. and S.40° W.
80.00	Deposit a quart of glass, 12 ins.in the ground, for cor. of secs.26,27,34, and 35; dig pits 18x18x12 ins.in each sec.4 ft.dist.; and raise a mound of earth 4 ft. base, 2 ft.high over deposit.
	In SE.pit drive a pine stake 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked
	T 3 S S 26 on NE.
	R 19 W S 35 on SE.
	S 34 on SW., and
	S 27 on NW.face; with 2 notches on E. and 1 notch on S.edges.
	Land, level.
	Soil, alkaline; 3d rate.
	No timber.
	I sight a flag set at the cor.of secs.25,26,35, and 36, and run for said flag,
	East on a random line bet.secs.26 and 35,
40.00	Set temp.$\frac{1}{4}$ sec.cor.
80.00	Intersect N. and S.line at the cor.of secs.25,26,35, and 36. Thence I run
	West on true line bet.secs.26 and 35,
	Over level land.
40.00	Deposit a quart of glass, 12 ins.in the ground, for $\frac{1}{4}$ sec.cor.; dig pits 18x18x12 ins.E. and W.of cor.4 ft. dist.; and raise a mound of earth $3\frac{1}{2}$ ft.base, $1\frac{1}{2}$ ft. high over deposit.
	In E.pit drive a pine stake, 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked
	$\frac{1}{4}$ S 26 on N.fae; and 35 on S.face.
80.00	The cor.of secs.26,27,34, and 35.
	Land, level.

SUBDIVISION OF T. 3 S., R. 19 W.

Chains.	
	Soil, alkaline; 3d rate.
	No timber.
	N.0°02'W.bet.secs.26 and 27,
	Over level land, and salt grass.
40.00	Deposit a quart of glass, 12 ins.in the ground, for ¼ sec.cor.; dig pits 18x18x12 ins.N. and S.of cor.4 ft. dist.; and raise a mound of earth 3½ ft.base, 1½ ft. high over deposit.
	In S.pitdrive a pine stake, 2 ft.long, 2 ins.sq., 12 ins. in the ground, marked
	¼ S 27 on W.face, and 26 on E.face.
55.00	Leave salt grass, bears N.50° E. and S.50° W.
80.00	Deposit a quart of glass, 12 ins.in the ground, for cor. of secs.22,23,26, and 27; dig pits 18x18x12 ins.in each sec.4 ft.dist.; and raise a mound of earth 4 ft. base, 2 ft high over deposit.
	In SE.pitdrive a pine stake, 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked
	T 3 S S 23 on NE.
	R 19 W S 26 on SE.
	S 27 on SW., and
	S.22 on NW.face; with 2 notches on S. and E.edges.
	Land, level.
	Soil, alkaline; 3d rate.
	No timber.
	East on a random line bet.secs.23 and 26,
40.00	Set temp.¼ sec.cor.
80.00	Intersect N. and S.line at the cor.of secs.23,24,25, and 26. Thence I run
	West on a true line bet.secs.23 and 26,

SUBDIVISION OF T. 3 S., R. 19 W.

Chains	
	Over level land.
40.00	Deposit a quart of glass, 12 ins.in the ground, for ¼ sec.cor.; dig pits 18x18x12 ins.E. and W.of cor.4 ft. dist.; and raise a mound of earth 3½ ft.base, 1½ ft. high over deposit.
	In E.pit drive a pine stake 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked
	¼ S 23 on N.face, and 26 on S.face.
80.00	The cor.of secs.22,23,26, and 27.
	Land, level.
	Soil, alkaline; 3d rate.
	No timber.

N.0°02'W.bet.secs.22 and 23,

	Over level land.
40.00	Deposit a quart of glass, 12 ins.in the ground, for ¼ seccor.; dig pits 18x18x12 ins.N. and S.of cor.4 ft. dist.; and raise a mound of earth 3½ ft.base, 1½ ft. high over deposit.
	In S.pit drive a pine stake, 2 ft.long, 2 ins.sq., 12 ins.in the ground; marked
	¼ S 22 on W.face; and 23 on E.face.
80.00	Deposit a quart of glass, 12 ins.in the ground, for cor. of secs.14,15,22, and 23; dig pits 18x18x12 ins.in each sec.4 ft.dist.; and raise a mound of earth 4 ft. base, 2 ft.high over deposit.
	In SE.pit drive a pine stake, 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked
	T 3 S S 14 on NE.
	R 19 W S 23 on SE.
	S 22 on SW., and
	S 15 on NW.face; with 2 notches on E. and 3 notches on S.edges.

SUBDIVISION OF T. 3 S., R. 19 W.

Chains	
	Land, level.
	Soil, alkaline; 3d rate.
	No timber.
	I sight a flag set at the cor.of secs.13,14,23, and 24, and run for said flag,
	N.89° 59'E.on random line bet.secs.14 and 23,
40.00	Set temp.$\frac{1}{4}$ sec.cor.
80.02	Intersect N. and S.line at the cor.of secs.13,14,23, and 24. Thence I run.
	S.89°59'W.on true line bet.secs.14 and 23,
	Over level land.
40.01	Deposit a quart of glass, 12 ins.in the ground, for $\frac{1}{4}$ sec.cor.; dig pits 18x18x12 ins.E. and W.of cor.4 ft. dist.; and raise a mound of earth $3\frac{1}{2}$ ft.base, $1\frac{1}{2}$ ft. high over deposit.
	In E.pit drive a pine stake, 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked
	$\frac{1}{4}$ S 14 on N.face; 23 on S.face.
80.02	The cor.of secs.14,15,22, and 23.
	Land, level.
	Soil, alkaline; 3d rate.
	No timber.
	Aug.6: At this cor.I set off 16° 53'N.on decl.arc; and at 0 h. 06 m.p.m.l.m.t.observe the sun on the meridian; the resulting lat.is 40° 33.'
	N.0°02'W.bet.secs.14 and 15,
	Over level land.
40.00	Deposit a quartof glass, 12 ins.in the ground, for $\frac{1}{4}$ sec.cor.; dig pits 18x18x12 ins.N. and S.of cor.4 ft. dist.; and raise a mound of earth $3\frac{1}{2}$ ft.base, $1\frac{1}{2}$ ft.

SUBDIVISION OF T. 3 S., R. 19 W.

Chains	
	high over deposit.
	In S.pit drive a pine stake, 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked
	¼ S 15 on W.face; and 14 on E.face.
80.00	Deposit a quart of glass, 12 ins.in the ground, for cor. of secs.10,11,14, and 15; dig pits 18x18x12 ins.in each sec.4 ft.dist.; and raise a mound of earth 4 ft. base, 2 ft.high over deposit.
	In SE.pit drive a pine stake, 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked
	T 3 S S 11 on NE.
	R 19 W S 14 on SE.
	S 15 on SW., and
	S 10 on NW.face; with 2 notches on E. and 4 notches on S.edges.
	Land, level.
	Soil, alkaline; 3d rate.
	No timber.
	I sight a flag set at the cor.of secs.11,12,13, and 14 and run for said flag,
	N.89° 59'E.on random line bet.secs.11 and 14,
40.00	Set temp.¼ sec.cor.
80.00	Intersect N. and S.line at the cor.of secs.11,12,13, and 14. Thence I run
	S.89° 59'W.on true line bet.secs.11 and 14,
	Over level land.
40.00	Deposit a quart of glass, 12 ins.in the ground, for ¼ sec.cor.; dig pits 18x18x12 ins.E. and W.of cor.4 ft. dist.; and raise a mound of earth 3½ ft.base, 1½ ft. high over deposit.
	In E.pit drive a pine stake, 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked

SUBDIVISION OF T 3 S R 19 W

Chains.	
	¼ S 11 on N.face; and 14 on S.face.
80.00	The cor.of secs.10,11,14, and 15.
	Land, level.
	Soil, alkaline; 3d rate.
	No timber.

N.0°02'W.bet.secs.10 and 11,

	Over level land.
40.00	Deposit a quart of glass, 12 ins.in the ground, for ¼ sec.cor.; dig pits 18x18x12 ins.N. and S.of cor.4 ft. dist.; and raise a mound of earth 3½ ft.base, 1½ ft. high over deposit.
	In S.pit drive a pine stake, 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked
	¼ S 10 on W.face; and 11 on E.face.
80.00	Deposit a quart of glass 12 ins.in the ground for cor. of secs.2,3,10, and 11; dig pits 18x18x12 ins.in each sec.4 ft.dist.; and raise a mound of earth 4 ft.base 2 ft.high over deposit.
	In SE.pit drive a pine stake, 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked
	T 3 S S 2 on NE.
	R 19 W S 11 on SE.
	S 10 on SW., and
	S 3 on NW.face; with 2 notches on E. and 5 on S. edges.
	Land, level.
	Soil, alkaline; 3d rate.
	No timber.

I sight a flag set at the cor.of secs.1,2,11, and 12 and run for said flag,

SUBDIVISION OF T. 3 S., R. 19 W.

Chains.	
	East on a random line bet.secs.2 and 11,
40.00	Set temp.¼ sec.cor.
80.03	Intersect N. and S.line at the cor.of secs11,2,11, and 12. Thence I run
	West on true line bet.secs.2 and 11,
	Over level land.
40.01½	Deposit a quart of glass, 12 ins.in the ground, for ¼ sec.cor., dig pits 18x18x12 ins.E. and W.of cor.4 ft. dist.;and raise a mound of earth 3½ ft.base, 1½ ft. high over deposit.
	In E.pit drive a pine stake, 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked
	¼ S 2 on N.face; and 11 on S.face.
80.03	The cor.of secs.2,3,10, and 11.
	Land, level.
	Soil, alkaline; 3d rate.
	No timber.

	N.0°02'W.on random line bet.secs.2 and 3,
40.00	Set temp.¼ sec.cor.
80.00	Intersect N.bdy.of Tp.at the cor.of secs.2,3,34 and 35 heretofore described. Thence I run
	S.0°02'E. bet.secs.2 and 3
	Over level land.
40.00	Deposit a quart of glass, 12 ins.in the ground, for ¼ sec.cor.; dig pits 18x18x12 ins.W. and S.of cor.4 ft. dist.; and raise a mound of earth 3½ ft.base, 1½ ft. high over deposit.
	In S.pit drive a pine stake, 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked
	¼ S 3 on W.face; and 2 on E.face.
80.00	The cor.of secs.2,3,10, and 11.
	Land, level,
	Soil, alkaline; 3d rate.

SUBDIVISION OF T. 3 S., R. 19 W.

Chains.	No timber.	Aug.6, 1907.
	Aug.5: At the cor.of secs.3,4,33, and 34 on S.bdy.of Tp. heretofore described; lat.40° 30' N., longitude 113° 59' 56" W.; I set off 40° 30'N.on lat.arc; 16° 51'N. on decl.arc; and at 3 h.36 m.p.m.l.m.t.determine with the solar a meridian and mark a point thereof on a stone firmly set in the ground 5 chs.N.of the cor. At 10 h.33 m.p.m.l.m.t.I observe Polaris at eastern elongation, in accordance with Manual of Instructions and mark a point in the line thus determined, on a peeg driven in the ground, 5 chs.N.of my station. August 6, 1907.	
	Aug.7: At 7 a.m.l.m.t.I lay off the azimuth of Polaris 1° 34'to the west, and mark the meridian thus determined by cutting a small groove in the stone set Aug. 6, on which the meridian falls 0.4 ins.east of the mark determined by the solar. At 7 h.36 m.a.m.l.m.t.I set off 40° 30'on lat.arc;16° 40'N.on decl.arc; and mark a point in the meridian determined with the solar, by a cross on the stone already set 5 chs.N.of my station; this mark falls 0.4 ins.east of the meridian established by the Polaris observation. The solar apparatus by p.m. and a.m.observations defines positions for meridians, respectively about 0' 21" west and 0' 21" 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 7 h.45m.	

Chains.	
	is N.17° 29'W., the angle thus determined gives the mag.decl.17°29'E.
	From said cor.of secs.3,4,33, and 34, I run N.0°02'W.bet.secs.33 and 34, Over level alkali land; little or no vegetation, but some water in places.
40.00	Deposit a quart of glass, 12 ins.in the ground, for ¼ sec.cor.; dig pits 18x18x12 ins.N. and S.of cor.4 ft. dist.; and raise a mound of earth 3½ ft.base, 1½ ft. high over deposit. In S.pit drive a pine stake 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked ¼ S 33 on W.face; and 34 on E.face.
80.00	Deposit a quart of glass, 12 ins.in the ground, for cor. of secs.27,28,33, and 34; dig pits 18x18x12 ins.in each sec.4 ft.dist.; and raise a mound of earth 4 ft. base 2 ft.high over deposit. In SE.pit drive a pine stake, 2 ft long, 2 ins.sq., 12 ins.in the ground, marked T 3 S S 27 on NE. R 19 W S 34 on SE. S 33 on SW., and S 28 on NW.face, with 1 notch on S. and 3 notches on E.edges. Land, level. Soil, alkaline; 3d rate. No timber.
	East on a random line bet.secs.27 and 34,
40.00	Set temp.¼ sec.cor.
80.00	Intersect N. and S.line at the cor.of secs.26,27,34, and 35. Thence I run

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Chains.	
	West on a true line bet.secs.27 and 34,
	Over level land, in salt grass.
24.00	Slough 1.50 chs.wide, water 1 ft.deep, drains N.55° E.
40.00	Deposit a quart of glass, 12 ins.in the ground, for ¼ sec.cor; dig pits 18x18x12 ins.E. and W.of cor.4 ft. dist.; and raise a mound of earth 3½ ft.base, 1½ ft. high over deposit.
	In E.pit drive a pine stake 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked
	¼ S 27 on N.face; and 34 on S.face.
80.00	The cor.of secs.27,28,33, and 34.
	Land, level.
	Soil, alkaline;3d rate. No timber.
	N.0°02'W.bet.secs.27 and 28,
	Over level land.
40.00	Deposit a quart of glass, 12 ins.in the ground, for ¼ sec.cor.; dig pits 18x18x12 ins.N. and S.of cor.4 ft. dist.; and raise a mound of earth 3½ ft.base, 1½ ft. high over deposit.
	In S.pit drive a pine stake 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked
	¼ S 28 on W.face; and 27 on E.face.
80.00	Deposit a quart of glass, 12 ins.in the ground, for cor. of secs.21,22,27, and 28, dig pits 18x18x12 ins.in each sec.4 ft.dist.; and raise a mound of earth 4 ft. base, 2 ft.high over deposit.
	In SE.pit drive a pine stake, 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked
	T 3 S S 22 on NE.
	R 19 W S 27 on SE.
	S 28 on SW ., and
	S 21 on NW.face; with 3 notches on E. and 2 notches on S.edges.

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Chains	
	Land, level.
	Soil, alkaline; 3d rate.
	No timber.
	I sight a flag set at the cor.of secs.22,23,26, and 27 and run for flag,
	East on a random line bet.secs.22 and 27,
40.00	Set temp.$\frac{1}{4}$ sec.cor.
80.02	Intersect N. and S.line at the cor.of secs.22,23,26, and 27. Thence I run
	West on a true line bet.secs.22 and 27,
	Over level land.
40.01	Deposit a quart of glass, 12 ins.in the ground, for $\frac{1}{4}$ sec.cor; dig pits 18x18x12 ins.E. and W.of cor.4 ft. dist.; and raise a mound of earth $3\frac{1}{2}$ ft.base, $1\frac{1}{2}$ ft. high over deposit.
	In E.pit drive a pine stake, 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked
	$\frac{1}{4}$ S 22 on N.face; and 27 on S.face.
80.02	The cor.of secs.21,22,27, and 28.
	Land, level.
	Soil, alkaline; 3d rate.
	No timber.
	N:0°02'W.bet.secs.21 and 22,
	Over level land.
40.00	Deposit a quart of glass, 12 ins.in the ground, for $\frac{1}{4}$ sec.cor.; dig pits 18x18x12 ins.N. and S.of cor.4 ft. dist.; and raise a mound of earth $3\frac{1}{2}$ ft.base, $1\frac{1}{2}$ ft. high over deposit.
	In S.pit drive a pine stake 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked
	$\frac{1}{4}$ S 21 on W.face; and 22 on E.face.

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Chains.	
80.00	Deposit a quart of glass, 12 ins.in the ground, for cor. of secs.15,16,21, and 22; dig pits 18x18x12 ins.in each sec.4 ft.dist.; and raise a mound of earth 4 ft. base, 2 ft.high over deposit.
	In SE.pit drive a pine stake 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked
	T 3 S S 15 on NE.
	R 19 W S 22 on SE.,
	S 21 on SW., and
	S 16 on NW.face; with 3 notches on S. and E.edges.
	Land, level.
	Soil; alkaline ; 3d rate.
	No timber.
	Aug.7; 1907: At this cor.I set off 16° 36'N.on decl.arc; and at 0 h.06 m.p.m.;l.m.t.observe the sun on the meridian; the resulting lat.is 40° 33'
	I sight a flag set at the cor.of secs.14,15,22, and 23, and run for flag,
	N.89° 57'E.on random line bet.secs.15 and 22,
40.00	Set temp.¼ sec.cor.
79.88	Intersect N. and S.line at the cor.of secs.14,15,22,and 23. Thence I run
	S.89° 57'W.on true line bet.secs.15 and 22,
	Over level land.
39.94	Deposit a quart of glass, 12 ins.in the ground, for ¼ sec.cor.; dig pits 18x18x12 ins.E. and W.of cor.4 ft. dist.; and raise a mound of earth 3½ ft.base, 1½ ft. high over deposit.
	In E.pit drive a pine stake, 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked
	¼ S 15 on N.face; and 22 on S.face.

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Chains.	
79.88	The cor.of secs.15,16,21, and 22. Land, level. Soil, alkaline;3d rate. No timber,
	N.0°02'W.bet.secs.15 and 16, Over level alkali land.
40.00	Deposit a quart of glass, 12 ins.in the ground, for ¼ sec.cor.; dig pits 18x18x12 ins.N. and S.of cor.4 ft. dist.; and raise a mound of earth 3½ ft.base, 1½ ft. high over deposit. In S.pit drive a pine stake 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked ¼ S 16 on W.face; and 15 on E.face.
80.00	Deposit a quart of glass, 12 ins.in the ground, for cor. of secs.9,10,15, and 16; dig pits 18x18x12 ins.in each sec.4 ft.dist.; and raise a mound of earth 4 ft. base, 2 ft.high over deposit. In SE.pit drive a pine stake, 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked T 3 S S 10 on NE. R 19 W S 15 on SE., S 16 on SW. and S 9 on NW.face; with 3 notches on E. and 4 notches on S.edges. Land, level. Soil, alkaline; 3d rate. No timber.
	I sight a flag set at the cor.of secs.10,11,14, and 15, and run for said flag, N.89° 57'E.on random line bet.secs.10 and 15,

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Chains.	
40.00	Set temp. ¼ sec.cor.
79.80	Intersect N. and S.line at the cor.of secs.10,11,14, and 15. Thence I run S.89° 57'W.on true line bet.secs.10 and 15, Over level land.
39.90	Deposit a quart of glass, 12 ins.in the ground, for ¼ sec'cor.; dig pits 18x18x12 ins.E. and W.of cor.4 ft. dist.; and raise a mound of earth 3½ ft.base, 1½ ft. high over deposit. In E.pit drive a pine stake, 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked ¼ S 10 on N.face; and 15 on S.face.
79.80	The cor.of secs.9,10,15, and 16. Land, level. Soil, alkaline;3d rate. No timber.

N.0°02'W.bet.secs.9 and 10,

	Over level alkali land.
40.00	Deposit a quart of glass, 12 ins.in the ground, for ¼ sec.cor.; dig pits 18x18x12 ins.N. and S.of cor.4 ft. dist.; and raise a mound of earth 3½ ft.base, 1½ ft. high over deposit. In S.pit drive a pine stake, 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked ¼ S 9 on W.face; and 10 on E.face.
80.00	Deposit a quart of glass, 12 ins.in the ground for cor. of secs.3,4,9, and 10; dig pits 18x18x12 ins.in each sec.4 ft.dist.; and raise a mound of earth 4 ft.base 2 ft.high over deposit. In SE.pit drive a pine stake, 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked T 3 S S 3 on NE.

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Chains.	
	R 19 W.S 10 on SE. S 9 on SW., and S 4 on NW.face; with 3 notches on E. and 5 notches on S.edges. Land, level. Soil, alkaline;3d rate. No timber.
	I sight a flag set at the cor.of secs.2,3,10, and 11 and run for said flag, N.89° 59'E.on random line bet.secs.3 and 10,
79.64	Intersect N. and S.line at the cor.of secs.2,3,10, and 11. Thence I run S.89° 59'W.on true line bet.secs.3 and 10, Over level land.
39.82	Deposit a quart of glass, 12 ins.in the ground, for ¼ sec.cor.; dig pits 12x18x12 ins.E. and W.of cor.4 ft. dist.; and raise a mound of earth 3½ ft.base, 1½ ft. high over deposit. In E.pit drive a pine stake, 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked ½ S 3 on N.face; and 10 on S.face.
79.64	The cor.of secs.3,4,9, and 10. Land, level. Soil, alkaline 3d rate. No timber.
	I sight a flag set at the cor.of secs.3,4,33 and 34 on N.bdy.of Tp., and run for said flag, N.0°20'W.bet.secs.3 and 4 on random line,
40.00	Set temp.½ sec.cor.
80.08	Intersect the cor.of secs.3,4,33, and 34 on N.bdy.of Tp. heretofore described. Thence I run

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Chains.	
	S.0°20'E.on true line bet.secs.3 and 4,
	Over level land.
40.08	Deposit a quart of glass, 12 ins.in the ground, for ¼ sec.cor; dig pits 18x18x12 ins.N. and S.of cor.4 ft. dist.; and raise a mound of earth 3½ ft.base; 1½ ft. high over deposit.
	In S.pit drive a pine stake, 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked
	¼ S 4 on W.face; and 3 on E.face.
80.08	The cor.of secs.3,4,9, and 10.
	Land, level.
	Soil, alkaline; 3d rate.
	No timber.
	Aug.7, 1907

Aug.8: At 7 h.36 m.a.m.l.m.t.I set off 40° 50' on lat. arc; 16° 24'N.on decl.arc and determine a meridian with the solar at the cor.of secs.4,5,32, and 33 on S.bdy.of Tp., heretofore described.

Thence I run

N.0°03'W.bet.secs.32 and 33,

Over level land.

40.00 Deposit a quart of glass, 12 ins.in the ground, for ¼ sec.cor.; dig pits 18x18x12 ins.N. and S.of cor.4 ft. dist.; and raise a mound of earth 3½ ft.base, 1½ ft. high over deposit.

In S.pit drive a pine stake, 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked

¼ S 32 on W.face; and 33 on E.face.

80.00 Deposit a quart of glass, 12 ins.in the ground, for cor. of secs.28,29,32, and 33. dig pits 18x18x12 ins.in each sec.4 ft.dist.; and raise a mound of earth 4 ft. base, 2 ft.high over deposit.

In S.pit drive a pine stake, 2 ft.long, 2 ins.sq., 12

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Chains	
	ins.in the ground, marked T 3 S S 28 on NE. R 19 W S 33 on SE. S.32 on SW., and S 29 on NW.face; with 1 notch on S. and 4 notches on E.edges. Land, level. Soil, alkaline;3d rate. No timber.
	I sight a flag set at the cor.of secs.27,28,33, and 34 and run for flag, East on a random line bet.secs.28 and 33,
40.00	Set temp.$\frac{1}{4}$ sec.cor.
80.00	Intersect N. and S.line at the cor.of secs.27,28,33, and 34. Thence I run, West on a true line bet.secs.28.and 33, Over level land.
40.00	Deposit a quart of glass, 12 ins.in.the ground, for $\frac{1}{4}$ sec.cor.; dig pits 18x18x12 ins.E. and W.of cor.4 ft. dist.; and raise a mound of earth $3\frac{1}{2}$ ft.base, $1\frac{1}{2}$ ft.h high over.deposit. In E.pit drive a pine stake, 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked $\frac{1}{4}$ S 28 on N.face; and.33 on S.face.
80.00	The cor.of.secs.28,29,32, and 33. Land, level. Soil, alkaline; 3d rate. No timber.
	N.0°03'W.bet.secs.28 and 29, Over level land.
40.00	Deposit a quart of glass, 12 ins.in the ground, for $\frac{1}{4}$

Chains.	
	sec.cor.; dig pits 18x18x12 ins.N. and S.of cor.4 ft. dist.; and raise a mound of earth 3½ ft.base, 1½ ft. high over deposit.
	In S.pit drive a pine stake, 2 ft.long, 2 ins.sq. 12 ins.in the ground, marked
	¼ S 29 on W.face; and 28 on E.face.
80.00	Deposit a quart of glass, 12 ins.in the ground, for cor.of secs.20,21,28, and 29; dig pits 18x18x12 ins. in each sec.4 ft.dist.; and raise a mound of earth 4 ft.base, 2 ft.high over deposit.
	In SE.pit drive a pine stake, 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked
	T 3 S S 21 on NE.
	R 19 W S 28 on SE.
	S 29 on SW., and
	S 20 on NW.face; with 4 notches on E. and 2 notches on S.edges.
	Land, level.
	Soil, alkaline; 3d rate.
	No timber.
	I sight a flag at the cor.of secs.21,22,27, and 28, and run for said flag,
	East on a random line bet.secs.21 and 28
40.00	Set temp.¼ sec.cor.
80.00	Intersect N. and S.line at the cor.of secs.21,22,27, and 28. Thence I run
	West on a true line bet.secs.21 and 28,
	Over level land.
40.00	Deposit a quart of glass, 12 ins.in the ground, for ¼ sec.cor.; dig pits 18x18x12 ins.E. and W.of cor.4 ft. dist.; and raise a mound of earth 3½ ft.base, 1½ ft. high over deposit.
	In E.pit drive a pine stake, 2 ft.long, 2 ins.sq., 12

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Chains.

ins.in the ground, marked

¼ S 21 on N.face; and 28 on S.face.

80.00 The cor.of secs.20,21,28, and 29.

Land, level.

Soil, alkaline; 3d rate.

No timber.

N.0°03'W.bet.secs.20 and 21,

Over level land.

40.00 Deposit a quart of glass, 12 ins.in the ground, for ¼ sec.cor.; dig pits 18x18x12 ins.N. and S.of cor.4 ft. dist.; and raise a mound of earth 3½ ft.base, 1½ ft. high over deposit.

In S.pit drive a pine stake, 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked

¼ S 20 on W.face; and 21 on E.face.

80.00 Deposit a quart of glass, 12 ins.in the ground, for cor. of secs.16,17,20, and 21; dig pits 18x18x12 ins.in each sec.4 ft.dist.; and raise a mound of earth 4 ft. base, 2 ft.high over deposit.

In SE.pit drive a pine stake, 2 ft.long, 2 ins.sq., 12 ins.in the ground,marked

T 3 S S 16 on NE.

R 19 W S 21 on SE.

S 20 on SW., and

S 17 on NW.face; with 3 notches on S. and 4 notches on E.edges.

Land, level.

Soil, alkaline; 3d rate.

No timber.

Aug.8: At this cor.I set off 16° 20'N.on decl.arc and a

Chains.	
	at 0 h.06 m.p.m.l.m.t.observe the sun on the meridian; the resulting lat.is 40° 33'
	I sight a flag set at the cor.of secs.15,16,21, and 22 and run for flag,
	East bet.secs.16 and 21,on random line,
40.00	Set temp.¼ sec.cor.
80.08	Intersect N. and S.line, at the cor.of secs.15,16,21 and 22. Thence I run
	West on true line bet.secs.16 and 21,
	Over level land.
40.04	Deposit a quart of glass, 12 ins.in the ground, for ¼ sec.cor.; dig pits 18x18x12 ins.E. and W.of cor.4 ft. dist.; and raise a mound of earth 3½ ft.base, 1½ ft. high over deposit.
	In E.pit drive a pine stake 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked
	¼ S 16 on N.face; and 21 on S.face.
80.08	The cor.of secs.16,17,20, and 21.
	Land, level.
	Soil, alkaline; 3d rate.
	No timber.
	N.0°03'W.bet.secs.16 and 17,
	Over level land.
40.00	Deposit a quart of glass, 12 ins.in the ground, for ¼ sec.cor.; dig pits 18x18x12 ins.N. and S.of cor.4 ft. dist.; and raise a moundoof earth 3½ ft.base, 1½ ft. high over deposit.
	In S.pit drive a pine stake 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked
	¼ S 17 on W.face; and 16 on E.face.

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Chains.	
80.00	Deposit a quart of glass 12 ins.in the ground, for cor. of secs.8,9,16, and 17; dig pits 18x18x12 ins.in each sec.4 ft.dist.; and raise a mound of earth 4 ft. base, 2 ft.high over deposit. In SE.pit drive a pine stake, 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked T 3 S S 9 on NE. R 19 W S 16 on SE., S 17 on SW., and S 8 on NW.face; with 4 notches on E. and S.edges. Land, level. Soil, alkaline; 3d rate. No timber.
	I sight a flag at the cor.of secs.9,10,15, and 16 and run for flag, N.89° 58'E.on random line bet.secs.9 and 16,
40.00	Set temp.¼ sec.cor.
80.14	Intersect N. and S.line at the cor.of secs.9,10,15, and 16. Thence I run S.89° 58'W.on true line bet.secs.9 and 16, Over level land.
40.07	Deposit a quart of glass, 12 ins.in the ground, for ¼ sec.cor.; dig pits 18x18x12 ins.E. and W.of cor.4 ft. dist.; and raise a mound of earth 3½ft.base 1½ft.high over deposit. In E.pit drive a pine stake, 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked ½ S 9 on N.face; and 16 on S.face.
80.14	The cor.of secs.8,9,16, and 17. Land, level. Soil; alkaline,3d rate. No timber.

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Chains.	
	N.0°03'W.bet.secs.8 and 9
	Over level land.
40.00	Deposit a quart of glass, 12 ins.in the ground, for ¼ sec.cor; dig pits 18x18x12 ins.N. and S.of cor.4 ft. dist.; and raise a mound of earth 3½ ft.base, 1½ ft. high over deposit.
	In S.pit drive a pine stake 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked ¼ S 8 on W.face; and 9 on E.face.
80.00	Deposit a quart of glass, 12 ins.in the ground, for cor. of secs.4,5,8, and 9; dig pits 18x18x12 ins.in each sec.4 ft.dist.; and raise a mound of earth 4 ft.base 2 ft.high over deposit.
	In SE.pit drive a pine stake 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked T 3 S S 4 on NE. R 19 W S 9 on SE. S 8 on SW., and S 5 on NW.face; with 4 notches on E.and 5 notches on S.edges.
	Land, level.
	Soil, alkaline; 3d rate.
	No timber.
	I sight a flag set at the cor.of secs.3,4,9, and 10, an and run for flag, N.89° 59'E.on random line bet.secs.4 and 9,
40.00	Set temp.¼ sec.cor.
80.46	Intersect N. and S.line at the cor.of secs.3,4,9, and 10. Thence I run S.89° 59'W.on true line bet.secs. 4 and 9,
	Over level land.
40.23	Deposit a quart of glass 12 ins. in the

SUBDIVISION OF T. 3 S., R. 19 W.

Chains. the ground for $\frac{1}{4}$ sec.cor.; dig pits 18x18x12 insiE. and W.of cor.4 ft.dist.; and raise a mound of earth $3\frac{1}{2}$ ft.base, $1\frac{1}{2}$ ft.high over deposit.

In E.pit drive a pine stake 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked

$\frac{1}{4}$ S 4 on N.face; and 9 on S.face.

80.46 The cor.of secs.4,5,8, and 9.

Land, level.

Soil, alkaline; 3d rate.

No timber.

I sight a flag set at the cor.of secs.4,5,32, and 33 on N.bdy.of Tp., and run for flag.

N.0°03'W.on random line bet.secs.4 and 5,

40.00 Set temp.$\frac{1}{4}$ sec.cor.

80.05 Intersect N.bdy.of Tp.at the cor.of secs.4,5,32, and 33 heretofore described. Thence I run

S.0°03'E.bet.secs.4 and 5, on true line,

Over level land.

40.05 Deposit a quart of glass, 12 ins.in the ground, for $\frac{1}{4}$ sec.cor.; dig pits 18x18x12 ins.N. and S.of cor.4 ft. dist.; and raise a mound of earth $3\frac{1}{2}$ ft.base, $1\frac{1}{2}$ ft. high over deposit.

In S.pit drive a pine stake, 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked

$\frac{1}{4}$ S 5 on W.face; and 4 on E.face.

80.05 The cor.of secs.4,5,8, and 9.

Land, level.

Soil, alkaline; 3d rate.

No timber.

Aug.8, 1907.

Aug.9, 1907: At 7 h.05 m.a.m.l.m.t. I set off 40° 30'

Chains.	
	on lat.arc 16° 07'N.on decl.arc; and determine a meridian with the solar, at the cor.of secs.5,6,31, and 32 on S.bdy.of Tp., heretofore described. Thence I run
	N.0°04'W.bet.secs.31 and 32,
	Over level swampy land.
20.00	Leave swamp, bears E. and W.
40.00	Deposit a quart of glass, 12 ins.in the ground, for ¼ sec.cor.; dig pits 18x18x12 ins.N. and S.of cor.4 ft. dist.; and raise a mound of earth 3½ ft.base, 1½ ft. high over deposit.
	In S.pit drive a pine stake 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked
	¼ S 31 on W.face; and 32 on E.face.
80.00	Deposit a quart of glass, 12 ins.in the ground, for cor.of secs.29,30,31, and 32; dig pits 18x18x12 ins. in each sec.4 ft.dist.; and raise a mound of earth 4 ft.base, 2 ft.high over deposit.
	In SE.pit drive a pine stake, 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked
	T 3 S S 29 on NE.
	R 19 W S 32 on SE.
	S 31 on SW., and
	S 30 on NW.face; with 1 notch on S. and 5 notches on E.edges.
	Land, level.
	Soil, alkaline; 5d rate.
	No timber.
	I sight a flag set at the cor.of secs.28,29,32, and 33 and run for flag,
	East on a random line bet.secs.29 and 32,
40.00	Set temp.¼ sec.cor.
80.08	Intersect N. and S.line at the cor.of secs.28,29,32,

SUBDIVISION OF T. 3 S., R.19 W.

Chains. and 33. Thence I run

West on a true line bet.secs.29 and 32,

Over level land; salt grass in places.

40.04 Deposit a quart of glass, 12 ins.in the ground, for ¼ sec.cor.; dig pits 18x18x12 ins.E. and W.of cor.4 ft. dist.; and raise a mound of earth 3½ ft.base, 1½ ft. high over deposit.

In E.pit drive a pine stake, 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked

¼ S 29 on N.face; and 32 on S.face.

80.08 The cor.of secs.29,30,31, and 32.

Land, level.

Soil, alkaline; 3d rate.

No timber.

Knowing that I will intersect the Utah-Nevada Boundary line, I run

West bet.secs.30 and 31,on true line

Over level land and salt grass.

35.40 Intersect Utah-Nevada Boundary line 13.40 chs.S.0° 16'W of mile post No.55, set by me and heretofore described.

Deposit a quart of glass, 12 ins.in the ground, for closing cor.of secs.30 and 31; dig pits 24x18x12 ins. crosswise on each line, N.S.and E.of cor.4 ft.dist. and raise a mound of earth 4 ft.base, 2 ft.high over deposit.

In S.pit drive a pine stake 2 ft.long,2 ins.sq, 12 ins. in the ground, marked

C C T 3 S R19W on E.

S 30 on N.

S 31 on S.face, with U on E. and N.on W.face; 1 groove on S. and 5 grooves on N.faces.

Land, level.

SUBDIVISION OF T. 3 S., R. 19 W.

Chains.	
	Soil, alkaline; 3d rate. [illegible]
	No timber. [illegible]
	N.0°04'W.bet.secs.29 and 30,
	Over level land; salt grass in patches.
40.00	Deposit a quart of glass, 12 ins.in the ground, for ¼ sec.cor.; dig pits 18x18x12 ins.NN. and S.of cor.4 ft. dist.; and raise a mound of earth 3½ ft.base, 1½ ft. high over deposit.
	In S.pit drive a pine stake, 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked
	¼ S 30 on W.face; and 29 on E.face.
60.00	Leave salt grass bears N.40° E. and S.40° W.
80.00	Deposit a quart of glass, 12 ins.in the ground, for cor.of secs.19,20,29 and 30; dig pits 18x18x12 ins.in each sec.4 ft.dist.; and raise a mound of earth 4 ft. base, 2 ft.high over deposit.
	In SE.pit drive a pine stake 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked
	T 3 S S 30 on NE.
	R 19 W S 29 on SE.
	S 30 on SW. and
	S 19 on NW.face; with 5 notches on E. and 2 notches on S.edges.
	Land, level.
	Soil, alkaline; 3d rate.
	No timber.
	I sight a flag set at the cor.of secs.20,21,28, and 29 and run for flag
	N.89° 58'E.on random line bet.secs.20 and 29
40.00	Set temp.½ sec.cor.

SUBDIVISION OF T. 3 S., R. 19 W.

Chains.

80.24 Intersect N. and S.line at the cor.of secs.20,21,28 and 29. Thence I run

S.89° 58'W.on true line bet.secs.20 and 29,

Over level land.

40.12 Deposit a quart of glass, 12 ins.in the ground, for ¼ sec.cor.; dig pits 18x18x12 ins.E. and W.of cor.4 ft. dist.; and raise a mound of earth 4 ft.base, 2 ft. high over deposit.

In E.pit drive a pine stake 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked

¼ S 20 on N.face; and 29 on S.face.

80.24 The cor.of secs.19,20,29, and 30.

Land, level.

Soil, alkaline; 3d rate.

No timber.

Knowing that I will intersect the Utah-Nevada Boundary line I run

West on true line bet.secs.19 and 30,

Over level land.

34.86 Intersect Utah-Nevada boundary line 13.37 chs.S.0° 16'W. from mile post No.54, heretofore described.

Deposit a quart of glass, 12 ins.in the ground, for closing cor.of secs.19 and 30; dig pits 24x18x12 ins. crosswise on each line N., S., and E.of cor.4 ft. dist.; and raise a mound of earth 4 ft.base, 2 ft. high over deposit.

In S.pit drive a pine stake, 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked

C C T 3 S R 19 W on E.

S 19 on N.

S 30 on S.face; with U on E. and N.on W.face, 2 grooves on S. and 4 grooves on N.faces.

SUBDIVISION OF T 3 S., R. 19 W.

Chains.	
	Land, level.
	Soil, alkaline 3d rate.
	No timber.
	N.0°04'W.bet.secs.19 and 20,
	Over level land.
40.00	Deposit a quart of glass, 12 ins.in the ground, for ¼ sec.cor.; dig pits 18x18x12 ins.N. and S.of cor.4 ft. dist.; and raise a mound of earth 3½ ft.base, 1½ ft. high over deposit.
	In S.pit drive a pine stake, 2 ft.long, 2 ins.sq.,12 ins.in the ground, marked
	¼ S 19 on W.face, and 20 on E.face.
80.00	Deposit a quart of glass, 12 ins.in the ground, for cor. of secs.17,18,19, and 20; dig pits 18x18x12 ins.in each sec.4 ft.dist.; and raise a mound of earth 4 ft. base, 2 ft.high over deposit.
	In SE.pit drive a pine stake, 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked
	T 3 S S 17 on NE.
	R 19 W S 20 on SE.,
	S 19 on SW., and
	S 18 on NW.face. with 5 notches on E. and 3 notches on S.edges.
	Land, level,
	Soil, alkaline; 3d rate.
	No timber.
	Aug.9: At this cor.I set off 16° 03'N.on decl.arc; and at 0 h.05 m.pm.1.mt.observe the sun on the meridian;

Chains	
	the resulting lat.is 40° 33'
	I sight a flag at the cor.of secs.16,17,20, and 21, and run for flag,
	East on a random line bet.secs.17 and 20,
40.00	Set temp.¼ sec.cor.
80.16	Intersect N. and S.line at the cor.of secs.16,17,20, and 21. Thence I run
	West on a true line bet.secs.17 and 20,
	Over level land.
40.08	Deposit a quart of glass, 12 ins.in ground for ¼ sec.cor; dig pits 18x18x12 ins.E. and W.of cor. 4 ft.dist.; and raise a mound of earth 3½ ft.base, 1½ ft.high over deposit.
	In E.pit drive a pine stake 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked
	¼ S 17 on N.face; and 20 on S.face.
80.16	The cor.of secs.17,18,19, and 20.
	Land, level.
	Soil, alkaline; 3d rate.
	No timber.
	Knowing that I will intersect the Utah-Nevada Bdy.line I run
	West on true line bet.secs.18 and 19,
	Over level land.
34.33	Intersect Utah-Nevada Bdy.line 13.23 chs.S.0°16'W.of 53d mile post, heretofore described.
	Deposit a quart of glass, 12 ins.in the ground; for ¼ closing cor.of secs.18 and 19; dig pits 24x18x12 ins. crosswise on each line N. and S. of cor. and E. 4 ft.dist.; and raise a mound of earth 4 ft.base 2 ft.high over deposit.

SUBDIVISION OF T. 3 S., R. 19 W.

Chains.	In S.pit drive a pine stake, 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked C C 3 S R19.W on E. S 18 on N. and S 19 on S.face, with 3 grooves on N. and S.faces; U on E. and N.on W.face. Land, level. Soil, alkaline; 3d rate. No timber.
	N.0°04'W.bet.secs.17 and 18,
	Over level land.
40.00	Deposit a quart of glass, 12 ins.in the ground, for ¼ sec.cor.; dig pits 18x18x12 ins.N. and S.of cor.4 ft. dist.; and raise a mound of earth 3½ ft.base, 1½ ft. high over deposit. In S.pit drive a pine stake, 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked ¼ S 18 on W.face; and 17 on E.face.
80.00	Deposit a quart of glass, 12 ins.in the ground, for cor. of secs.7,8,17, and 18; dig pits 18x18x12 ins.in each sec.4 ft.dist.; and raise a mound of earth 4 ft.base 2 ft.high over deposit. In SE.pit drive a pine stake, 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked T 3 S S 8 on NE. R 19 W S 17 on SE. S 18 on SW., and S 7 on NW.face; with5 notches on E. and 4 notches on S.edges. Land, level. Soil, alkaline;3d rate. No timber

SUBDIVISION OF T. 3 S. R. 19 W.

Chains	
	I sight a flag set at the cor.of secs.8,9,16 and 17, and run for flag,
	East bet.secs.8 and 17 on random line,
40.00	Set temp:$\frac{1}{4}$ sec.cor:
80.08	Intersect N. and S.line at the cor.of secs.8,9,16, and 17. Thence I run
	West on true line bet.secs.8 and 17,
	Over level land.
40.04	Deposit a quart of glass, 12 ins.in the ground, for $\frac{1}{4}$ sec.cor.; dig pits 18x18x12 ins.E. and W.of cor.4 ft. dist.; and raise a mound of earth 3½ ft.base, 1½ ft. high over deposit.
	In E.pit drive a pine stake, 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked
	$\frac{1}{4}$ S 8 on N.face; and 17 on S.face.
80.08	The cor.of secs.7,8,17, and 18.
	Land, level.
	Soil, alkaline; 3d rate.
	No timber.
	Knowing that I will intersect the Utah-Nevada Bdy.line I run
	West on true line bet.secs.7 and 18,
	Over level land.
33.80	Intersect Utah-Nevada Bdy.line 13.00 chs.S.0°16'W. of 52d mile post. heretofore described.
	Deposit a quart of glass, 12 ins.in the ground, for closing cor.of secs.7 and 18; dig pits 24x18x12 ins. crosswise on each line, N., S. and E.of cor.4 ft., and raise a mound of earth 4 ft.base, 2 ft.high over deposit.
	In S.pit drive a pine stake, 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked

SUBDIVISION OF T. 3 S., R. 19 W.

Chains.	
	C C T 3 S R 19 W on E. S 7 on N.face, and S 18 on S.face, with 4 grooves on S. and 2 grooves on N.faces; Union E. and N.on W.face. Land, level. [illegible] Soil, alkaline; 3d rate. [illegible] No timber. [illegible] No [illegible].
	N.0°04'W.bet.secs.7 and 8, Over level land.
40.00	Deposit a quart of glass, 12 ins.in the ground, for ¼ sec.cor.; dig pits 18x18x12 ins.N. and S.of cor.4 ft. dist.; and raise a mound of earth 3½ ft.base, 1½ ft. high over deposit. In S.pit drive a pine stake, 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked ¼ S 7 on W.face; and 8 on E.face.
80.00	Deposit a quart of glass, 12 ins.in the ground, for cor. of secs.5,6,7, and 8; dig pits 18x18x12 ins.in each, sec.4 ft.dist.; and raise a mound of earth 4 ft.base 2 ft.high over deposit. In SE.pit drive a pine stake 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked T 3 S S 5 on NE. R 19 W S 8 on SE., S 7 on SW., and S 6 on NW.face; with 5 notches on S. and E.edges; Land, level. Soil, alkaline; 3d rate. No timber.

SUBDIVISION OF T. 3 S., R. 19 W.

Chais.	I sight a flag set at the cor.of secs.4,5,8 and 9 and run for flag,
	N.89° 59'E.on random line bet.secs.5 and 8,
40.00	Set temp.$\frac{1}{4}$ sec.cor.
80.00	Intersect N. and S.line at the cor.of secs.4,5,8, and 9
	Thence I run
	S.89° 59'W.on true line bet.secs.5 and 8
	Over level land.
40.00	Deposit a quart of glass, 12 ins.in the ground, for $\frac{1}{4}$ sec.cor.; dig pits 18x18x12 ins.E. and W.of cor.4 ft. dist.; and raise a mound of earth $3\frac{1}{2}$ ft.base, $1\frac{1}{2}$ ft. high over deposit.
	In E.pit drive a pine stake, 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked
	$\frac{1}{4}$ S 5 on N.face; and 8 on S.face.
80.00	The cor.of secs.5,6,7, and 8.
	Land, level.
	Soil alkaline; 3d rate.
	No timber.
	Knowing that I intersect the Utah-Nevada Bdy.line, I run
	West on true line bet.secs.6 and 7,
	Over level land.
33.27	Intersect Utah-Nevada Bdy.line 13.00 chs.S.0°16'W.of mile post No.51, heretofore described.
	Deposit a quart of glass, 12 ins.in the ground, for closing cor.of secs.6 and 7; dig pits 24x18x12 ins. crosswise on each line, N., S., and E.of cor.4 ft. dist.; and raise a mound of earth 4 ft.base, 2 ft. high over deposit.
	In S.pit drive a pine stake, 2 ft.long, 2 ins.sq. 12 ins.in the ground, marked
	C C T 3 S R 19 W on E

SUBDIVISION OF T. 3 S. R. 19 W.

Chains.

S 6 on N., and

S 7 on S.face; U on E.and N.on W.face; with 5 grooves on S.and 1 groove on N.face.

Land, level.

Soil, alkaline; 3d rate.

No timber.

I sight a flag at the cor.of secs.5,6,31, and 32 on N. bdy.of Tp., and run for flag

N.0°04'W.bet.secs.5 and 6 on random line,

40.00 Set temp.¼ sec.cor.

80.00 Intersect N.bdy.of Tp.at the cor.of secs.5,6,31, and 32 heretofore described. Thence I run [illegible]; S.0°04'E.on true line bet.secs.5 and 6, [illegible]

Over level land.

40.00 Deposit a quart of glass, 12 ins.in the ground, for ¼ sec.cor.; dig pits 18x18x12 ins.N. and S.of cor.4 ft. dist.; and raise a mound of earth 3½ ft.base, 1½ ft. high over deposit.

In S.pit drive a pine stake 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked

¼ S 6 on W.face; and 5 on E.face.

80.00 The cor.of secs.5,6,7, and 8.

Land, level.

Soil, alkaline; 3d rate.

No timber.

[illegible].Aug.9, 1907.

GENERAL DESCRIPTION. T. 3 S., R. 19 W.

This township is one vast level tract of alkali sand. The southern part affords a fair growth of bayonet grass and salt grass on the portions over which the water flows from Salt Springs, mentioned in the general description of T. 4 S., R. 19 W., the only water on the township.

The central and northern parts are entirely destitute of vegetation.

There is no indication of mineral; no settlers, and no evidence of human existence, except a branding corral in sec.31 owned by John A.Erickson.

Alonzo J. Stookey

U.S.Deputy Surveyor.

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PAGE

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

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

For list of names and final oaths of assistants see book "Z4", T.1 N., R. 16 W.

_____, *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 _____, 190 _____

SEAL

_____

_____

6—151

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, ..., United States Deputy Surveyor, solemnly swear that, in pursuance of a contract received from ..... United States Surveyor General for ....., bearing date of ..... day of ....., 190 , I have well, faithfully, and truly, in my o proper person, and in strict conformity with the instructions furnished by the United States Surve General for ....., the Manual of Surveying Instructions, and the laws of United States, surveyed all those parts or portions of

For final affidavit see book "Z^4" T.1 N., R. 16 W.

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

..... *United States Deputy Su ve*

Subscribed by said ....., and sworn to before me this ..... day of ....., 190

SEAL

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, May 8, 1

The foregoing field notes of the survey of the subdivisional lines of township No.3 South, Range No.19 West of the Salt Lake Base and Meridian, Utah,

executed by Alonzo J.Stookey under his contract No. 296, dated March 21, 1907, having critically examined, and the necessary corrections and explanations made, the said field notes, and surveys they describe, are hereby approved.

Thomas Hall
United States Surveyor Ge

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

..... *United States Surveyor G*

6—151

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PAGE

407 40

4—679.

C.L.G.

BOOK A-344

O.

FILED JAN 2 1908

FIELD NOTES

OF THE SURVEY OF THE

R-A-N-G-E L-I-N-E

THROUGH

TOWNSHIPS NOS. 1 AND 2 SOUTH

BETWEEN

RANGES 18 AND 19 WEST

Of the Salt Lake Base and *Meridian,*

U T A H

AS SURVEYED BY

Alonzo J. Stookey, *United States Deputy Surveyor,*

Under his Contract No. 296, *dated* March 21, *1907.*

Survey commenced August 10, *1907*

Survey completed August 10, *1907.*

6—151

25 Lowe 6:00 00 ✓
15 " 6:00 00 ✓
15 closing 55.69 ✓

BOOK A-344

NAMES AND DUTIES OF ASSISTANTS.

Ralph Gentry,	Chainman.
Asael Tanner,	Chainman.
Richard Orr,	Houndman.
Lionel J. Stookey,	Houndman.
Warren Eyman,	Flagman.

For preliminary affidavits see book " B " Tp. 10 S., R. 5 W.

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BOOK A-344

INDEX DIAGRAM.

Township 2 South, *Range* 19 West

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

Meanders Page

PRELIMINARY OATHS OF ASSISTANTS.

WE, ... and .....
do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level t' chain upon even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; t' we will report the true distances to all notable objects, and the true lengths of all lines that we assist i measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey

.....

....., *Chainma.*

....., *Chainma*

Subscribed and sworn to before me this .....
day of ....., 190

SEAL

.....

.....

WE, ... and .....
do solemnly swear that we will well and truly perform the duties of moundmen in the establish n 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 ....., 190

SEAL

.....

.....

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

.....

....., *Axma*

....., *Axma*

Subscribed and sworn to before me this .....
day of ....., 190

SEAL

.....

.....

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

....., *Flagm*

Subscribed and sworn to before me this .....
day of ....., 190

SEAL

.....

.....

6—151

BOOK A-344

INDEX DIAGRAM.

Township 1 South, *Range* 19 West

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

Meanders Page

PRELIMINARY OATHS OF ASSISTANTS.

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

.....

....., *Chainman*

....., *Chainman*

Subscribed and sworn to before me this .....
day of ....., 190

.....

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

....., *Moundman*

....., *Moundman*

Subscribed and sworn to before me this .....
day of ....., 190

.....

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

.....

....., *Axman*

....., *Axman*

Subscribed and sworn to before me this .....
day of ....., 190

.....

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 ....., 190

.....

SEAL

.....

RANGE LINE THROUGH TOWNSHIP 2 SOUTH, BET.RANGES 18 and 19 W.

Chains. Survey commenced Aug.10, 1907 and executed with the instrument described in book "A" of this survey.

For complete test of instrument see book "N".

At 7 h.05 m.a.m.l.m.t.I set off 40° 36' on lat.arc; 15° 50'N.on decl.arc; and determine a meridian with the solar at the cor.of Tps.2 and 3 S., Rs.18 and 19 W. as established by myself and heretofore described.

Thence I run

North bet.secs.31 and 36,

Over level alkali land.

40.00 Deposit a quart of glass, 12 ins.in the ground, for ¼ sec.cor.; dig pits 18x18x12 ins.N. and S.of cor.4 ft. dist.; and raise a mound of earth 3½ ft.base, 1½ ft. high over deposit.

In S.pit drive a pine stake, 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked

¼ S 36 on W.face; and 31 on E.face.

80.00 Deposit a quart of glass, 12 ins.in the ground, for cor. of secs.25,30,31, and 36, dig pits 18x18x12 ins.in each sec.4 ft.dist.; and raise a mound of earth 4 ft. base, 2 ft.high over deposit.

In SE.pit drive a pine stake, 2 ft.long, 2 ins.sq. 12 ins.in the ground, marked

T 2 S S 30 on NE.

R 18 W S 31 on SE.

R 19 W S 36 on SW. and

S 25 on NW.face; with 5 notches on N. and 1 notch on S.edges.

Land, level.

Soil, alkaline; 3d rate.

No timber.

North bet.secs.25 and 30,

RANGE LINE THROUGH TOWNSHIP 2 SOUTH, BETWEEN RANGES 18 and 19 W

Chains.	
	Over level alkaline land.
40.00	Deposit a quart of glass, 12 ins.in the ground, for ¼ sec.cor.; dig pits 18x18x12 ins. N. and S.of cor.4 ft. dist.; and raise a mound of earth 3½ ft.base, 1½ ft. high over deposit.
	In S.pit drive a pine stake, 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked ¼ S 25 on W.face; and 30 on E.face.
80.00	Deposit a quart of glass, 12 ins.in the ground, for cor. of secs.19,24,25, and 30, dig pits 18x18x12 ins.in each sec.4 ft.dist.; and raise a mound of earth 4 ft. base, 2 ft.high over deposit.
	In SE.pit drive a pine stake, 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked T 2 S S 19 on NE. R 18 W S 30 on SE. R 19 W S 25 on SW., and S 24 on NW.face; with 2 notches on S. and 4 notches on N.edges;
	Land, level.
	Soil, alkaline; 3d rate.
	No timber.

North bet.secs.19 and 24,

	Over level alkal land
35.56	Leave alkali; enter solid salt od unknown depth bears N.45° W. and S.45° E.
40.00	Deposit a quart of glass, 12 ins.in the ground, for ¼ sec.cor.; dig pits 18x18x12 ins.N. and S.of cor.4 ft. dist.; and raise a mound of earth 3½ ft.base, 1½ ft. high over deposit.
	In S.pit drive a pine stake, 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked

RANGE LINE THROUGH TOWNSHIP 2 SOUTH BETWEEN RANGES 18 and 19 W

Chains.

$\frac{1}{4}$ S 24 on W.face; and 19 on E.face.

80.00 Deposit a quart of glass, 12 ins.in the ground, for cor.of secs.13, 18, 19, and 24; dig pits 18x18x12 ins. in each sec.4 ft.dist.; and raise a mound of salt 4 base, 2 ft.high over deposit.

In SE.pit drive a pine stake, 2 ft.long, 2 ins.square 12 ins.in the ground, marked

T 2 S S 18 on NE.

R 18 W S 19 on SE.

R 19 W S 24 on SW., and

S 13 on NW.face; with 3 notches on N. and S.edges.

Land, level.

Soil, alkaline, clay, and salt.

No timber.

North bet.secs.13 and 18,

Over level salt land.

40.00 Deposit a quart of glass, 12 ins.in the ground, for $\frac{1}{4}$ sec.cor.; dig pits 18x18x12 ins.N. and S.of cor.4 ft. dist.; and raise a mound of earth $3\frac{1}{2}$ ft.base, $1\frac{1}{2}$ ft. high over deposit.

In S.pit drive a pine stake, 2 ft.long, 2 ins.sq.,12 ins.in the ground, marked

$\frac{1}{4}$ S 13 on W.face; and 18 on E.face.

80.00 Deposit a quart of glass, 12 ins.in the ground, for cor.of secs.7,12,13, and 18; dig pits 18x18x12 ins. in each sec.4 ft.dist.; and raise a mound of earth 4 ft.base, 2 ft.high over deposit.

In SE.pit drive a pine stake, 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked

T 2 S S 7 on NE.

R 18 W S 18 on SE.

R 19 W S 13 on SW., and

RANGE LINE THROUGH TOWNSHIP 2 SOUTH, BETWEEN RANGES 18 and 19 W

Chains.	
	S 12 on NW.face; with 4 notches on S. and 2 notches on N.edges;
	Land, level.
	Soil, salt.
	No timber.
	North bet.secs.7 and 12,
	Over level salt land.
40.00	Deposit a quart of glass, 12 ins.in the ground, for ¼ sec.cor.; dig pits 18x18x12 ins.N. and S.of cor.4 ft. dist.; and raise a mound of salt 5½ ft.base, 1½ ft. high over deposit.
	In S.pit drive a pine stake, 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked
	¼ S 12 on W.face; and 7 on E.face.
80.00	Deposit a quart of glass, 12 ins.in the ground, for cor. of secs.1,6,7, and 12, dig pits 18x18x12 ins.N. and S.of cor.4 ft.dist.; and raise a mound of salt 4 ft. base, 2 ft.high over deposit.
	In SE.pit drive a pine stake, 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked
	T 2 S S 6 on NE.
	R 18 W S 7 on SE.
	R 19 W S 12 on SW., and
	S 1 on NW.face; with 5 notches on S. and 1 notch on N.edge;
	Land, level.
	Soil, salt.
	No timber.
	North bet.secs.1 and 6,
	Over level salt land.

RANGE LINE THROUGH TOWNSHIP 2 SOUTH BETWEEN RANGES 18 and 19 W

Chains.

40.00 Deposit a quart of glass, 12 ins.in the ground, for ¼ sec.cor.; dig pits 18x18x12 ins.N. and S.of cor.4 ft. dist.; and raise a mound of salt 3½ ft.base, 1½ ft. high over deposit.

In S.pit drive a pine stake, 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked

¼ S 1 on W.face, and 6 on E.face.

80.00 Deposit a quart of glass, 12 ins.in the ground, for cor. of Tps.1 and 2 S., Rs.18 and 19 W.; dig pits 24 x 24 x 12 ins. on each line N., S., E. and W.of cor.5 ft. dist.; and raise a mound of salt 5 ft.base, 2½ ft. high over deposit.

In E.pit drive a pine stake, 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked

T 1 S S 31 on NE.

R 18 W S 6 on SE.

T 2 S S 1 on SW., and

R 19 W S 36 on NW.face; with 6 notches on each edge.

Land, level.

Soil, salt.

No timber.

Aug.10: At this cor.I set off 15° 45'N.on decl.arc; and at 0 h. 05 m.p.m., l.m.t.observe the sun on the meridian; the resulting lat.is 40° 51'N.

RANGE LINE THROUGH TOWNSHIP 1 SOUTH, BETWEEN RANGES 18 and 19 W

Chains.	
	Aug.10, 1907:
	From cor.of Tps.1 and 2 S., Rs.18 and 19 W.established by me this day, I run
	North bet.secs. 31 and 36,
	Over level salt land.
40.00	Deposit a quart of glass, 12 ins.in the ground, for ¼ sec.cor.; dig pits 18x18x12 ins.N. and S.of cor.4 ft. dist.; and raise a mound of salt 3½ ft.base, 1½ ft. high over deposit.
	In S.pit drive a pine stake, 2 ft.long, 2 ins.square 18 ins.in the ground, marked
	¼ S 36 on W.face; and 31 on E.face.
80.00	Deposit a quart of glass, 12 ins.in the ground, for cor.of secs.25,30,31, and 36, dig pits 18x18x12 ins. in each sec.4 ft.dist.; and raise a mound of salt 4 ft.base, 2 ft.high over deposit.
	In SW.pit drive a pine stake, 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked
	T 1 S S 30 on NE.
	R 18 W S 36 on SE.
	R 19 W S 36 on SW., and
	S 25 on NW.face, with 2 notches on S. and 4 notches on N.edges.
	Land level.
	Soil, salt.
	No timber.
	North bet.secs.25 and 30,
	Over level land.
40.00	Deposit a quart of glass, 12 ins.in the ground, for ¼ sec.cor.; dig pits 18x18x12 ins.N. and S.of cor.4 ft. dist.; and raise a mound of salt 3½ ft.base, 1½ ft. high over deposit.

RANGE LINE THROUGH TOWNSHIP 1 SOUTH, BETWEEN RANGES 18 and 19 W

Chains	
	In S.pit drive a pine stake 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked
	¼ S 25 on W.face; and 30 on E.face.
80.00	Deposit a quart of glass, 12 ins.in the ground, for cor.of secs.19,24,25, and 30; dig pits 18x18x12 ins. in each sec.4 ft.dist.; and raise a mound of salt 4 ft.base, 2 ft.high over deposit.
	In SE.pit drive a pine stake, 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked
	T 1 S S 19 on NE.
	R 18 W S 30 on SE.
	R 18 W S 30 on SW., and
	S 24 on NW.face, with 2 notches on S. and 4 notches on N.edges.
	Land, level.
	Soil, salt;
	No timber.

North bet.secs.19 and 24,

	Over level land.
40.00	Deposit a quart of glass, 12 ins.in the ground, for ¼ sec.cor.; dig pits 18x18x12 ins.N. and S.of cor.4 ft. dist.; and raise a mound of salt 5½ ft.base, 1½ ft. high over deposit.
	In S.pit drive a pine stake, 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked
	¼ S 24 on W.face; and 18 on E.face.
80.00	Deposit a quart of glass, 12 ins.in the ground, for cor. of secs.13,18,19, and 24, dig pits 18x18x12 ins.in each sec.4 ft.dist.; and raise a mound of salt 4 ft. base, 2 ft.high over deposit.
	In SE.pit drive a pine stake 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked

RANGE LINE BETWEEN TOWNSHIP 1 SOUTH, BETWEEN RANGES 18 and 19 E.

Cont'd.

T 1 S S 18 on NE.

R 18 W S 18 on SE.,

R 19 W S 13 on SW., and

S 13 on NW.face; with 3 notches on N. and S.edges.

Land, level.

Soil, salt.

No timber.

North bet.secs.13 and 18,

Over level salt land.

17.80 Telegraph line bears N.88° 31'W. and S. 88° 31'E.

18.70 Western Pacific Railway track bears N. 88°31'W. and S. 88° 31'E.

Leave salt, bears N. 45° E. and S. 45° W.

Thence over level alkali land.

40.00 Deposit a quart of glass, 18 ins.in the ground, for ¼ sec.cor.: dig pits 18x18x18 ins.N. and S.of cor.4 ft. dist.; and raise a mound of earth 3½ ft.base, 1½ ft. high over deposit:

In S.pit drive a pine stake, 2 ft.long, 2 ins.sq, 12 ins.in the ground, marked

¼ S 13 on W.face; and 18 on E.face.

80.00 Deposit a quart of glass, 18 ins.in the ground, for cor.of secs.7,18,13, and 18; dig pits 18x18x18 ins. each sec.4 ft.dist.; and raise a mound of earth 4 ft. base, 2 ft.high over deposit.

In SE.pit drive a pine stake, 2 ft.long, 2 ins.sq, 12 ins.in the ground, marked

T 1 S S 7 on NE.

R 18 W S 18 on SE.

R 18 W S 13 on SW., and

S 18 on NW.face; with 4 notches on S. and 2 notches on N.edges.

Land, level.

Chains. Soil, alkaline; 3d rate.

No timber.

North bet.secs.7 and 12,

Over level alkali land.

40.00 Deposit a quart of glass, 12 ins.in the ground, for $\frac{1}{4}$ sec.cor.; dig pits 18x18x12 ins.N. and S.of cor.4 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft.base, $1\frac{1}{2}$ ft. high over deposit.

In S.pit drive a pine stake, 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked

$\frac{1}{4}$ S 12 on W.face; and 7 on E.face.

80.00 Deposit a quart of glass, 12 ins.in the ground for cor. of secs.1,6,7, and 12; dig pits 18x18x12 ins.in each sec.4 ft.dist.; and raise a mound of earth 4 ft.base, 2 ft.high over deposit.

In SE.pit drive a pine stake, 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked

T 1 S S 6 on NE.

R 18 W S 7 on SE.,

R 19 W S 12 on SW., and

S 1 on NW.face; with 5 notches on S.edges.

Land, level.

Soil, alkaline; 3d rate.

No timber.

North bet.secs.1 and 6,

Over level land.

40.00 Deposit a quart of glass, 12 ins.in the ground, for $\frac{1}{4}$ sec.cor.; dig pits 18x18x12 ins.N. and S.of cor.4 ft. dist.; and raise a mound of earth $3\frac{1}{2}$ ft.base, $1\frac{1}{2}$ ft. high over deposit.

RANGE LINE THROUGH TOWNSHIP 1 SOUTH, BETWEEN RANGES 18 and 19 W.

Chains.

In S.pit drive a pine stake, 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked

$\frac{1}{4}$ S 1 on W.face, and 6 on E.face.

80.00 Deposit a quart of glass, 112 ins.in the ground, for closing cor.of Tp.1 S., Rs.18 and 19 W.; dig pits 30 x24 x 12 ins.crosswise on each line S., E. and W.of cor.5 ft.dist.; and raise a mound of earth 5 ft.base $2\frac{1}{2}$ ft.high over deposit.

In E.pit drive a pine stake 2 ft.long, 2 ins.square, 12 ins.in the ground, marked

C C T 1 S on S.

R 18 W S 6 on E. and

R 19 W S 1 on W.face; with 6 grooves on S., E. and W.faces.

This closing cor.is 55.69 chs.E.of the cor.of T.1 N., Rs.18 and 19 W., established by myself Aug.12, in the survey of the Salt Lake Base line, and described in the field notes thereof.

Land, level.

Soil, alkaline; 3d rate.

No timber.

August 10, 1907.

For general description see notes of subdivision of this township.

Alonzo J. Stookey

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 Alonzo J. Stookey, United States Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the survey of the S.E. and N. Bdys. T. 4 S. R. 19 W.; E. and N. Bdys. T. 3 S. R. 19 W.; range line T. 2 S. bet. Rs. 18 and 19 W.; and frac'l E. and N. Bdys. T. 10 S. R. 5 W., S.L.B.& M., Utah showing the respective capacities in which they acted:

Ralph Gentry, *Chainman.*

Asael Tanner, *Chainman.*

Lionel J. Stookey, *Moundman.*

Richard Orr, *Moundman.*

, *Axman.*

, *Axman.*

Warren Eyman, *Flagman.*

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted Alonzo J. Stookey, United States Deputy Surveyor, in surveying all those parts or portions of the S.E. and N. Bdys. T. 4 S. R. 19 W.; E. and N. Bdys. T. 3 S. R. 19 W.; range line T. 2 S., bet. Rs. 18 and 19 W.; and fractional E. and N. Bdys. T. 10 S., R. 5 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.

Asael Tanner, *Chainman.*

Ralph Gentry, *Chainman.*

Lionel J. Stookey, *Moundman.*

Richard Orr, *Moundman.*

, *Axman.*

, *Axman.*

Warren Eyman, *Flagman.*

Subscribed and sworn to before me this 7th day of October, 1907.

SEAL

Alonzo J. Stookey
U.S. Deputy Surveyor.

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FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, Alonzo J.Stookey, United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from Thomas Hull United States Surveyor General for Utah, bearing date of the 21st day of March, 1907, I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for Utah, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of S.E.and N.Bdys.Township 4 South Range 19 West; E. and N. Bdys.Township 3 S., R. 19 W.; range line T. 2 South, between Rs.18 and 19 W.; and fractional E. and N.Bdys.T.10 S. R.5 West of the Salt Lake Base and meridian, in the State of Utah, which are represented in the foregoing field notes in books B.K.M.& O. as having been surveyed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for Utah and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

Alonzo J. Stookey
United States Deputy Surveyor.

Subscribed by said Alonzo J.Stookey, and sworn to before me this 2d day of January, 1908

Thomas Hull
U.S.Surveyor-General
for Utah.

SEAL

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, May 8, 1908

The foregoing field notes of the survey of the range line through Township No.1 2 South, between Ranges 18 and 19 West of the Salt Lake Base and Meridian, Utah,

executed by Alonzo J.Stookey under his contract No. 296, dated March 21, 1907, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Thomas Hull
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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Ex'd H.R.M.A. G.N.

4—679.

BOOK A-344

P.

FILED JAN 1908

R.J.B.

FIELD NOTES

OF THE SURVEY OF THE

SALT LAKE BASE LINE

THROUGH

RANGES, 18, 17, 16, AND 15 WEST

Of the SALT LAKE *Meridian,*

U T A H.

AS SURVEYED BY

Alonzo J. Stockey, *United States Deputy Surveyor,*

Under his Contract No. 296, *dated* March 21, 1907.

Survey commenced August 10, 1907.

Survey completed August 14, 1907.

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18 1 Corr 6"
17 " 6"
16 " 6"
15 " 1"
19"

BOOK A-344

NAMES AND DUTIES OF ASSISTANTS.

Ralph Gentry	Chainman.
Asael Tanner,	Chainman.
Lionel J.Stookey,	Chainman.
Richard Orr,	Chainman.
Lionel J.Stookey,	Moundman.
Richard Orr,	Moundman.
Warren Eyman,	Flagman.

BOOK A-344

INDEX DIAGRAM.

Township 1 North, *Range* 18 West

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Meanders Page

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BOOK A-344

PRELIMINARY OATHS OF ASSISTANTS.

We, Ralph Gentry, Richard Orr, Asael Tanner and Lionel J. Stookey do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level th chain upon 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 the Salt Lake Base line, through Ranges 18, 17, 16, and 15 West of the Salt Lake Meridian, Utah.

Asael Tanner, Lionel J. Stookey, Chain

Ralph Gentry, Richard Orr, Chainm.

Subscribed and sworn to before me this 29th day of May, 1907.

SEAL

Alonzo J. Stookey
U. S. Deputy Surveyor.

We, Richard Orr and Lionel J. Stookey 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 the Salt Lake Base line, through Ranges 18, 17, 16, and 15 W. of the Sal Lake Meridian, Utah.

Lionel J. Stookey, Moundma

Richard Orr, Moundm

Subscribed and sworn to before me this 29th day of May, 1907.

SEAL

Alonzo J. Stookey
U. S. Deputy Surveyor.

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

....., Axma

....., Axma

Subscribed and sworn to before me this ..... day of ....., 190

SEAL

I, Warren Eyman, do solemnly swear that I will well and tru perform the duties of flagman according to instructions given me, to the best of my skill and ability, in t survey of the Salt Lake Base line through Ranges 18.17.16. and 15 West of the Salt Lake Meridian, Utah.

Warren Eyman, Flagma

Subscribed and sworn to before me this 29th day of May, 1907.

SEAL

Alonzo J. Stookey
U. S. Deputy Surveyor.

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BOOK A-344

INDEX DIAGRAM.

Township 1 North, *Range* 17 West

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Meanders Page

BOOK A-344

PRELIMINARY OATHS OF ASSISTANTS.

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

.....

..... , *Chainm*

..... , *Chainm*

Subscribed and sworn to before me this .....
day of ....., 190

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 ....., 190

SEAL

.....

.....

WE, ... and
do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corr
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 ....., 190

SEAL

.....

.....

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

..... , *Flagm*

Subscribed and sworn to before me this .....
day of ....., 190

SEAL

.....

.....

BOOK A-344

INDEX DIAGRAM.

Township 1 North, *Range* 16 West

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31	32	33	34	35	36
14	15	16	17	18	19

R.15 W.

31

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

....., *Chainman*

....., *Chainman*

Subscribed and sworn to before me this .....
day of ....., 190

SEAL

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

....., *Moundman*

....., *Moundman*

Subscribed and sworn to before me this .....
day of ....., 190

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 c
.....

....., *Axman*

....., *Axmar*

Subscribed and sworn to before me this .....
day of ....., 190

SEAL

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

....., *Flagma*

Subscribed and sworn to before me this .....
day of ....., 190

SEAL

BOOK A-344

SALT LAKE BASE LINE THROUGH RANGE 18 WEST.

Survey commenced Aug.10, 1907, and executed with the instrument described in book "A" of this survey.

At the closing cor.of Tp.1 S., Rs.18 and 19 W., heretofore described; lat.40° 46' 04" N.; long. 113° 56'31" W.I set off 40° 46' on lat.arc; 15° 43'N.on decl.arc; and at 4 h. 35 m.p.m.l.m.t.determine a meridian with the solar; and mark a point thereof on a stone firmly set in the ground 5 chs.N.of the cor.

At 10 h. 17 m.p.m.l.m.t.I observe Polaris at eastern elongation, in accordance with Manual of Instructions and mark a point in the line thus determined on a peg driven in the ground 5 chs.N.of my station.

Aug.10, 1907.

Aug.12: At 7 a.m.l.m.t.I lay off the azimuth of Polaris 1° 34' to the west, and mark the meridian thus determined by cutting a groove in the stone set Aug.10, on which the meridian falls 0.3 ins.east of the mark determined by the solar.

At 8 h.05 m.a.m.l.m.t.I set off 40° 46' on the lat.arc; 15° 13'N.on the decl.arc; and mark a point in the meridian determined with the solar by a cross on the stone already set 5 chs.N.of my station; this mark falls 0.3 ins.east of the meridian established by the Polaris observation.

The solar apparatus by p.m.and a.m.observations defines positions for meridians respectively about 0' 16" W. 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 8 h. 35 m. a.m.l.m.t.is 17° 29'W.; the angle thus determined gives the magnetic declination 17° 29'E.

SALT LAKE BASE LINE. THROUGH RANGE 18 WEST.

Chains.

From the closing cor. already described, I run, as per special instructions,

West along S.bdy. sec.31,

Over level land.

Difference bet.measurement of 55.69 chs.by two sets of chainmen is 2 lks.; position of middle point,

By 1st set 55 70 chs.

By 2d set 55.68 chs.; the mean of which is

55.69 Deposit a quart of glass; 12 ins.in the ground, for standard cor.of Tp.1 N.Rs.18 and 19 W.; dig pits 30x24 x12 ins.crosswise on each line, N., E., and W.of cor. 5 ft. dist.; and raise a mound of earth 5 ft.base, 2½ ft.high over deposit.

In E.pit drive a pine stake, 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked

S C T 1 N on N.

R 18 W S 31 on E.

R 19 W S 36 on W.face; with 6 grooves on N., E. and W.faces. Thence I run

East along S.bdy.of sec.31,

Over level land.

No difference bet.measurement of 40 chs.by two sets of chainmen.

40. 0 Deposit a quart of glass, 12 ins.in the ground, for standard ¼ sec.cor., dig pits 18x18x12 ins.E. and W. of cor.4 ft.dist.; and raise a mound of earth 3½ ft. base, 1½ ft.high over deposit.

In E.pit drive a pine stake 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked S C ¼ S.31.on E.face;

80.69 The closing cor.of T.1 S.Rs.18 and 19 W.

Difference bet.measurement of 80.00 chs.by two set of chainmen is 6 lks.; position of middle point

By 1st set 79.97 chs.

By 2d set 80.03 chs.; the mean of which is

SALT LAKE BASE LINE THROUGH RANGE 18 WEST.

Chains.

80.00 Deposit a quart of glass, 12 ins.in the ground, for standard cor.of secs.31 and 32; dig pits 24x18x12 ins.crosswise on each line, N., E., and W.of cor.5 ft.dist.; and raise a mound of earth 4 ft.base, 2 ft. high over deposit.

In E.pit drive a pine stake, 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked

S C T 1 N R 18 W on N.

S 32 on E. and

S 31 on W.face, with 5 grooves on E. and 1 groove on W.face.

Land, level.

Soil alkaline and clay; 3d rate.

No timber.

East along S.bdy.of sec.32,

Over level land.

No difference in measurements of 40.00 chs.by two sets of chainmen,

40.00 Deposit a quart of glass, 12 ins.in the ground, for St.¼ sec.cor.; dig pits 18x18x12 ins.E. and W.of cor. 4 ft.dist.; and raise a mound of earth 3½ ft.base, 1½ ft.high over deposit.

In E.pit drive a pine stake, 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked

S C ¼ S n32.on N.face.

Difference bet.measurements of 80.00 chs.by two sets of chainmen is 2 lks.; position of middle point,

By 1st set 80.01 chs.

By 2d set 79.99 chs., the mean of which is

80.00 Deposit a quart of glass, 12 ins.in the ground, for standard cor.of secs.32 and 33; dig pits 24x18x12 ins. crosswise on each line N., E. and W.of cor.5 ft.

Chains. dist.; and raise a mound of earth 4 ft.base, 2 ft. high over deposit.

In N.pit drive a pine stake, 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked

S C T11 N R 16 W on N.

S 33 on E., and

S 34 on W.face; with 4 grooves on E. and 2 grooves on W.face.

Land level.

Soil, alkaline and clay; 3d rate.

No timber.

Aug.12: At this cor.I set off 15° 10'N.on decl.arc; and at 0 h. 05 m.p.m.l.m.t.observe the sun on the meridian; the resulting lat.is 40° 46'

East along S.bdy.of sec.33,

Over level alkali land.

Difference bet.measurements of 40.00 chs.by two sets of chainmen is 1 lk; position of middle point,

By 1st set 40.00½ chs.

By 2d set 39.99½ chs, the mean of which is

40.00 Deposit a quart of glass, 12ins.in the ground, for St. ¼ sec.cor.: dig pits 18x18x12 in .N. and W.of cor. 4 ft.dist.; and raise a mound of earth 3½ ft.base, 1½ ft.high over deposit.

In N.pit drive a pine stake, 2 ft.long, 2 ins.sq ., 12 ins.in the ground, marked

S C ¼ S 33 on N.face.

Difference between measurements of 80.00 chs.by two sets of chainmen is 1 lk.; position of middle point

By 1st set 80.00½chs.

By 2d set 79.99½chs., the mean of which is

80.00 Deposit a quart of glass, 12 ins.in the ground, for St. Cor.of secs.27 and 34; dig pits 24x18x12 ins.across-

SALT LAKE BASE LINE THROUGH RANGE 18 WEST.

Chains.	
	wise on each line N., E., and W. of cor. 5 ft. dist.; and raise a mound of earth 4 ft. base, 2 ft. high over deposit. In E. pit drive a pine stake, 2 ft. long, 2 ins. square, 12 ins. in the ground, marked S C T 1 N R 18 W on N. S 34 on E., and S 33 on W. face; with 3 grooves on E. and W. faces. Land, level. Soil alkaline and clay; 3d rate. No timber.
	East on S. bdy. sec. 34, Over level land.
35.00	Leave alkali land, bears N. 46° E. and S. 46° W.; enter land covered with thin crust of salt, Difference bet. measurements of 40.00 chs. by two sets of chainmen is 1 lk.; position of middle point By 1st set 40.00½ chs. By 2d set 39.99½ chs., the mean of which is
40.00	Deposit a quart of glass, 12 ins. in the ground, for St. ¼ sec. cor.; dig pits 18x18x12 ins. E. and W. of cor. 4 ft. dist.; and raise a mound of earth 3½ ft. base, 1½ ft. high over deposit. In E. pit drive a pine stake 2 ft. long, 2 ins. sq., 12 ins. in the ground, marked S C ¼ S 34 on N. face. Difference between measurements of 80.00 chs. by two sets of chainmen is 2 lks.; position of middle point By 1st set 80.01 chs. By 2d set 79.99 chs.; the mean of which is
80.00	Deposit a quart of glass, 12 ins. in the ground, for St. cor. of secs. 34 and 35; dig pits 24x18x12 ins. cross-

SALT LAKE BASE LINE THROUGH RANGE 18 WEST.

chains. wise on each line, N., E., and W. of cor. 5 ft. dist. and raise a mound of earth 4 ft. base, 2 ft. high over deposit.

In E. pit drive a pine stake, 2 ft. long, 2 ins. square, 18 ins. in the ground, marked

S C T 1 N R 18 W on N.

S 35 on E., and

S 34 on W. face, with 2 grooves on N. and 4 grooves on W. face.

Land, level.

Soil, alkaline, 3d rate., and salt.

No timber.

East along S. bdy. of sec. 35,

Over salt land; salt crust gradually increasing in thickness.

Difference bet. measurements of 40.00 chs. by two sets of chainmen in 1 lk.; position of middle point,

By 1st set 39.99½ chs.

By 2d set 40.00½ chs; the mean of which is

40.00 Deposit a quart of glass, 18 ins. in the ground, for 1/4 sec. cor.; dig pits 18x18x18 ins. E. and W. of cor. 4 ft. dist.; and raise a mound of earth 2½ ft. base, 1½ ft. high over deposit.

In E. pit drive a pine stake, 2 ft. long, 2 ins. square, 18 ins. in the ground, marked

S C ¼ S 35 on N. face.

Difference between measurements of 80.00 chs. by two sets of chainmen in 2 lks.; position of middle point,

By 1st set 80.01 chs.

By 2d set 79.99 chs., the mean of which is

80.00 Deposit a quart of glass, 18 ins. in the ground, for 1/4 cor. of secs. 35 and 36; dig pits 24x18x18 ins. opposite

SALT LAKE BASE LINE THROUGH RANGE 18 WEST.

Chains. wise on each line, N., E., and W. of cor. 5 ft. dist. and raise a mound of earth 4 ft. base, 2 ft. high over deposit.

In E. pit drive a pine stake, 2 ft. long 2 ins. square, 12 ins. in the ground, marked

S C T 1 N R 18 W on N.

S 36 on E., and

S 35 on W. face, with 5 grooves on E. and 1 groove on W. face.

Land, level, salt bed.

No timber.

East on S. bdy. sec. 36,

Over level land.

Difference between measurements of 40.00 chs. by two sets of chainmen is 2 lks; position of middle point

By 1st set 40.01 chs.

By 2d set 39.99 chs, the mean of which is

40.00 Deposit a quart of glass, 12 ins. in the ground, for St. ¼ sec. cor.; dig pits 18x18x12 ins. E. and W. of cor. 4 ft. dist.; and raise a mound of earth 3½ ft. base, 1½ ft. high over deposit.

In W. pit drive a pine stake, 2 ft. long, 2 ins. sq., 12 ins. in the ground, marked

S C ¼ S 36 on W. face.

Difference bet. measurements of 80.00 chs. by two sets of chainmen is 4 lks.; position of middle point.

By 1st set 79.98 chs.,

By 2d set 80.02 chs.; the mean of which is

80.00 Deposit a quart of glass, 12 ins. in the ground, for standard cor. of TpS. 1 N., Rs. 17 and 18 W.; dig pits 30 x 24 x 12 ins. crossmise on each line, N., E. and W. of cor. 5 ft. dist.; and raise a mound of earth 5 ft. base 2½ ft. high over deposit.

SALT LAKE BASE LINE THROUGH RANGE 18 WEST.

Chains.

In E.pit drive a pine stake, 2 ft.long, 2 ins.sq, 12 ins.in the ground, marked

S C T 1 N on N.

R 17 W S 31 on E., and

R 18 W S 36 on W.face; with 6 grooves on N., E., and W.faces.

Land, level.

Soil, salt.

No timber.

August 12, 1907.

For general description see notes of subdivision of this township.

Geo. J. Stookey
U.S.Deputy Surveyor.

SALT LAKE BASE LINE THROUGH RANGE 17 WEST.

Aug.13:
At 7h.05m a.m.l.m.t.I set off 40° 46' on lat.arc; 14° 57'N.on decl.arc; and determine a meridian with the solar at the standard cor.of Tps.1 N., Rs.17 and 18 W., above described.

Thence I run

East along S.bdy.of sec.31,

Over level salt land.

Note:

Owing to the fact that this entire salt bed is subject to inundation, being covered at times with water to the depth of 12 ins.or more, and subject to violent winds; I find that a corner consisting of a deposit , mound of salt, and stake in pit is unsatisfactory for the following reasons: The stake 2 ft. long is required to be set 12 ins.in the pit which

SALT LAKE BASE LINE THROUGH RANGE 17 WEST.

Chains. brings the top of the stake flush with the surface of the salt; when the waves come against the mound it melts down like sugar; the pits are filled, a crust of salt forms over the top of the stake; and all external evidence of the location of the corner has disappeared. I therefore depart from the method of establishing the corners as prescribed by the Manual, and establish corners in this salt bed, as set forth in the following field notes. The corners stand as if sent in cement, and are visible for a long distance; and are of greater permanence in this locality than those prescribed in the Manual.

Difference bet. measurements of 40.00 chs. by two sets of chainmen is 2 lks.; position of middle point

By 1st set 39.99 chs.

By 2d set 40.01 chs., the mean of which is

40.00 Drill a hole in the salt, 12 ins. deep, 4 ins. sq., in which I set a pine stake, 2 ft. long, 2 ins. sq., with quart of glass, 12 ins. in the ground, for standard ¼ sec. cor., marked S C ¼ S 31. on N. face;

No difference in measurement by two sets of chainmen of

80.00 Drill a hole in the salt, 12 ins. deep, 4 ins. sq., in which I set a pine stake, 2 ft. long, 2 ins. sq., with quart of glass, for standard cor. of secs. 31 and 32, marked S C T 1 N R 17 W on N.

S 32 on E., and

S 31 on W. face, with 5 grooves on E. and 1 groove on W. face.

Land, level. salt bed.

No timber.

East along S. bdy. of sec. 32,

Over level salt bed.

Difference in measurement of 40.00 chs. by two sets of chainmen is 2 lks.; position of middle point

SALT LAKE BASE LINE THROUGH RANGE 17 WEST.

Chains.	
	By 1st set 40.01 chs.
	By 2d set 39.99 chs., the mean of which is
40.00	Drill a hole in the salt, 12 ins.deep, 4 ins.sq., in which I set a pine stake, 2 ft.long, 2 ins.sq., with quart of glass, 12 ins.in the salt for standard ¼ sec. cor., marked
	S C ¼ S.32. on N.face,
	Difference bet.measurement of 80.00 chs.by two sets of chainmen is 2 lks.; position of middle point
	By 1st set 79.99 chs.
	By 2d set 80.01 chs., the mean of which is
80.00	Drill a hole in the salt bed, 12 ins.deep, 4 ins.sq., in which I set a pine stake, 2 ft.long, 2 ins.sq., with quart of glass, 12 ins.in the salt for standard cor.of secs.32 and 33, marked
	S C T 1 N R 17 W on N.
	S 33 on E. and
	S 32 on W.face. with 4 grooves on E. and 2 grooves on W.face.
	Land, level salt bed.
	No timber.
	East along the S.bdy.of sec.33,
	Over level salt bed.
	Difference bet.measurement of 80.00 chs.by two sets of chainmen is 1 lk.; position of middle point
	By 1st set 40.00½ chs.
	By 2d set 39.99½ chs., the mean of which is
40.00	Drill a hole in the salt bed, 12 ins.deep, 4 ins.sq., in which I set a pine stake,2 ft.long,2 ins.sq., with quart of glass,12 ins.in the salt for St.¼ sec.cor.mkd
	S C ¼ S.33. on N.face.
	Difference bet.measurements of 80.00 chs.by two s ts of chainmen is 2 lks.; position of middle point
	By 1st set 79.99 chs.

SALT LAKE BASE LINE THROUGH RANGE 17 WEST.

Chains.	
	By 2d set 80.01 chs.; the mean of which is
80.00	Drill a hole 12 ins.deep, 4 ins.sq., in salt bed, in which I set a pine stake, 2 ft.long, 2 ins.sq., with quart of glass, 12 ins.in the salt, for standard cor.of secs.33 and 34, marked S C T 1 N R 17 W on N. S 34 on E., and S 33 on W.face,with 3 grooves on E.and W.faces. Land level salt bed. No timber.
	East along S.bdy.of sec.34,
	Over level salt bed.
	Difference between measurements of 40.00 chs.by two sets of chainmen is 1 lk.; position of middle point,
	By 1st set 39.99½chs.
	By 2d set 40.00½chs.; the mean of which is
40.00	Drill a hole in the salt bed, 4 ins.sq., 12 ins.deep, in which I set a pine stake 2 ft.long, 2 ins.sq., with quart of glass, 12 ins.in salt bed, for St.¼ sec. cor., marked S C ¼ S 34 on N.face;
	Difference bet.measurements of 80.00 chs.by two sets of chainmen is 1 lk.;position of middle point
	By 1st set 80.00½chs.
	By 2d set 79.99½chs., the mean of which is
80.00	Drill a hole, 4 ins.sq., 12 ins.deep in salt bed, in which I set a pine stake, 2 ft.long, 2 ins.square, with quart of glass, 12 ins.in the salt bed for St. cor.of secs.34 and 35, marked S C T 1 N R 17 W on N. S 35 on E., and S 34 on W.face.; 2 grooves on E. and 4 grooves on W. faces. Land level salt bed.

SALT LAKE BASE LINE THROUGH RANGE 17 WEST.

Chains.	
	No timber.
	Aug.13: At this cor.I set off 14° 52'N.on decl.arc; and at 0 h.05 m.p.m.l.m.t.observe the sun on the meridian; the resulting lat.is 40° 46'
	East along S.bdy.of sec.35,
	Over level salt bed.
	No difference in measurement of 40.00 chs.by two sets of chainmen.
40.00	Drill a hole 4 ins.sq., 12 ins.deep in salt bed in which I set a pine stake, 2 ft.long, 2 ins.sq., with quart of glass, 12 ins.in salt bed for standard ¼ sec.cor., marked
	S C ¼ S.35.on N.face;
	Difference between measurements of 80.00 chs.by two sets of chainmen is 2 lks.; position of middle point
	By 1st set 80.01 chs.
	By 2d set 79.99 chs., the mean of which is
80.00	Drill a hole, 4 ins.sq., 12 ins.deep, in salt bed, in which I set a pine stake, 2 ft.long, 2 ins.sq., with quart of glass, 12 ins.in salt bed, for standard cor. of secs.35 and 36, marked
	S C T 1 N R 17 W on N.
	S 36 on E., and
	S 35 on W.face;1 groove on E.and 5 grooves on W. faces.
	Land level salt bed.
	No timber.
	East along S.bdy.of sec.36,
	Over level salt bed.
20.00	Leave salt, bears N. and S.; enter level alkali land.
	Difference bet.measurements of 40.00 chs.by two sets of chainmen is 1 lk.; position of middle point,

SALT LAKE BASE LINE THROUGH RANGE 17 WEST.

Chains. By 1st set 40.00½chs.

By 2d set 39.99½chs., the mean of which is

40.00 Deposit a quart of glass, 12 ins.in the ground, for standard ¼ sec.cor.; dig pits 18x18x12 ins.N. and W. of cor.4 ft.dist.; and raise a mound of earth 3½ ft. base, 1½ ft.high over deposit.

In E.pitdrive a pine stake, 2 ft.long, 2 ins.sq. 12 ins.in the ground, marked S C ¼ S.36.on N.face,

No difference in measurement 80 chs.by two sets chainmen.

80.00 Deposit a quart of glass, 12 ins.in the ground, for standard cor.of Tps.1 N., Rs.16 and 17 W.; dig pits 30x24x12 ins.crosswise on each line N., E., and W.of cor., 5 ft.dist.; and raise a mound of earth 5 ft. base, 2½ ft.high over deposit.

In E.pit drive a pine stake, 2 ft.long. 2 ins.sq., 12 ins.in the ground, marked

S C T.1 N on N.

R 16 W S 31 on E., and

R 17 W S 36 on W.face, with 6 grooves on N., N., and W.faces.

Land level.

Soil, alkaline; 3d rate.; and salt.

No timber.

Aug.13, 1907.

At the standard cor.of Tp.1 N., Rs.16 and 17 W., lat. 40° 06'04" N.; long.113° 43' 35" W. I set off 46° 46' on lat.arc; 14° 50'N.on decl.arc; and at 4 h.35 m.p.m. l.m.t.determine with thesolar a meridian and mark a point thereof on a stone firmly set in the mound 5 chs.N.of the cor.

At 10 h.05 m.p.m.l.m.t.I observe Polaris at eastern elongation in accordance with Manual of Instructions

Chains. and mark a point in the line thus determined, on a peg driven in the ground, 5 chs.N.of my station.

August 13, 1907.

August 14: At 7 a.m.l.m.t.I lay off the azimuth of Polaris 1° 34' to the west, and mark the meridian thus determined, by cutting a small groove in the stone set Aug. 13, on which the meridian falls 0.3 ins. east of the mark determined by the solar.

At 7 h.35 m.a.m.l.m.t.I set off 40° 46'N.on the lat.arc 14° 38'N.on the decl.arc; and mark a point in the meridian determined with the solar, by a cross on the stone already set 5 chs.N.of my station; this mark falls 0.4 ins.east of the meridian established by the Polaris observation.

The solar apparatus by p.m.and a.m. observations defines positions for meridians, respectively about 0' 21" east and 0'16" west of the meridian established by the Polaris observations; therefore I conclude that the adjustments of the instrument aresatisfactory.

The magnetic bearing of the true meridian at 8 h.0 m. a.m.is N.17° 28'W.; the angle thus determined gives the magnetic decl.17 °28'E.

From said cor.of Tps.1 N., Rs.16 and 17 W. I run

East along S.bdy.of sec.31,

Over level alkali land.

Difference bet.measurements of 40.00 chs.by two sets of chainmen is 2 lks.; position of middle point,

By 1st set 40.01 chs.

By 2d set 39.99 chs., the mean of which is

40.00 Deposit a quart of glass, 12 ins.in the ground, for

SALT LAKE BASE LINE THROUGH RANGE 16 WEST.

Chains. standard ¼ sec.cor.; dig pits 18x18x12 ins.E. and W. of cor.4 ft.dist.; and raise a mound of earth 3½ ft. base, 1½ ft.high over deposit.

In E.pit drive a pine stake, 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked

S C ¼ S 31 on N.face,

Difference bet.measurements of 80.00 chs.by two sets of chainmen is 2 lks; position of middle point,

By 1st set 80.01 chs

By 2d set 79.99 chs.; the mean of which is

80.00 Deposit a quart of glass, 12 ins.in the ground, for standard cor.of secs.31 and 32; dig pits 24 x 18x 12 ins.crosswise on each line N., E., and W.of cor.5 ft. dist.; and raise a mound of earth 4 ft.base, 2 ft. high over deposit.

In E.pit drive a pine stake, 2 ft.long, 2 ins.sq, 12 ins.in the ground, marked

S C T 1 N R 16 W on N.

S 32 on E., and

S 31 on W.face, with 5 grooves on E. and 1 groove on W.face.

Land, level.

Soil, alkaline; 3d rate.

No timber.

East along S.bdy.of sec.32,

Over level alkali land.

Difference bet.measurements of 40.00 chs.by 2 sets of chainmen is 1 lk.; position of middle point,

By 1st set 40.00½chs.

By 2d set39.99½chs., the mean of which is

40.00 Deposit a quart of glass, 12 ins.in the ground, for standard ¼ sec.cor.; dig pits 18x18x12 ins.E. and W.

SALT LAKE BASE LINE THROUGH RANGE 16 WEST.

Chains	
	of cor.4 ft.dist.; and raise a mound of earth 3½ ft. base, 1½ ft.high over deposit.
	In E.pit drive a pine stake, 2 ft.long, 2 ins.sq.,12 ins.in the ground, marked
	S C ½ S 32 on N.face.
	Difference bet.measurements of 80.00 chs.by two sets of chainmen is 1 lk.; position of middle point
	By 1st set 80.00½chs.
	By 2d set 79.99½chs., the mean of which is
80.00	Deposit a quart of glass, 12 ins.in the ground, for standard cor.of secs.32 and 33; dig pits 24x18x12 ins. crosswise on each line N., E. and W.of cor.5 ft.dist. and raise a mound of earth 4 ft.base, 2 ft.high over deposit.
	In E.pit drive a pine stake, 2 ft.long, 2 ins.square 12 ins.in the ground, marked
	S C T 1 N R 16 W on N.
	S33 on E., and
	S 32 on W.face; with 4 grooves on E. and 2 grooves on W.face.
	Land level.
	Soil, alkaline; 3d rate.
	No timber.
	East along S.bdy.of sec.33,
	Over level alkali land.
	Difference bet.measurements of 40.00 chs.by two sets of chainmen is 1 lk.; position of middle point,
	By 1st set 39.99½chs.
	By 2d set 40.00½chs., the mean of which is
40.00	Deposit a quart of glass, 12 ins.in the ground, for Standard ½ sec.cor.; dig pits 18x18x12 ins.E. and W. of cor.4 ft.dist.; and raise a mound of earth 3½ ft.

SALT LAKE BASE LINE THROUGH RANGE 16 WEST.

Chains. base, 1½ ft.high over deposit.

In E.pit drive a pine stake 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked

S C ¼ S 33 on N.face.

Difference bet.measurements of 80.00 chs.by two sets of chainmen is 2 lks.; position of middle point.

By 1st set 79.99 chs.

By 2d set 80.01 chs., the mean of which is

80.00 Deposit a quart of glass, 12 ins.in the ground, for St. cor.of secs.33 and 34; dig pits 24x18x12 ins.cross-wise on each line, N., E., and W.of cor.5 ft.dist. and raise a mound of earth 4 ft.base, 2 ft.high over deposit.

In E.pit drive a pine stake, 2 ft.long, 2 ins.sq, 12 ins.in the ground, marked

S C T 1 N R 16 W on N.

S 34 on E., and

S 33 on W.face; with 3 grooves on E. and W.faces.

Land, level.

Soil, alkaline; 3d rate.

No timber.

Aug.14: At this cor.I set off 14° 34'N.on decl.arc; and at 0 h.05 m.p.m.l.m.t.observe the sun on the meridian; the resulting lat.is 40° 46'

East along S.bdy.of sec.34,

Over level alkali land.

Difference bet.measurements of 40.00 chs.by two sets of chainmen is 2 lks.; position of middle point,

By 1st set 40.01 chs.

By 2d set 39.99 chs.; the mean of which is

40.00 Deposit a quart of glass, 12 ins.in the ground, for St. ¼ sec.cor.; dig pits 18x18x12 ins.E. and W.of cor.4

SALT LAKE BASE LINE THROUGH RANGE 16 WEST.

Chains.	ft.dist.; and raise a mound of earth 3½ ft.base, 1½ ft.high over deposit.
	In E.pit drive a pine stake 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked
	S C ¼ S 34 on N.face.
	Difference bet.measurements of 80.00 chs.by two sets of chainmen is 3 lks.; position of middle point
	By 1st set 80.01½
	By 2d set 79.98½; the mean of which is
80.00	Deposit a quart of glass, 12 ins.in the ground, for St. cor.of secs.34 and 35; dig pits 24x18x12 ins.crosswise on each line N.E.and W.of cor.5 ft; and raise a mound of earth 4 ft.base, 2 ft.high over deposit.
	In E.pit drive a pine stake, 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked
	S C T 1 N R 16 W on N.
	S 35 on E., and
	S 34 on W.face; 2 grooves on E. and 4 grooves on W.face.
	Land level.
	Soil, alkaline; 3d rate.
	No timber.
	East along S.bdy.of sec.35,
	Over level land.
	No difference bet.measurement of 40.00 chs.by two sets of chainmen.
40.00	Deposit a quart of glass, 12 ins.in the ground, for St. ¼ sec.cor.; dig pits 18x18x12 ins.E.and W.of cor.4 ft. dist.; and raise a mound of earth 3½ ft.base, 1½ ft. highover deposit.
	In E.pit drive a pine stake, 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked
	S C ¼ S 35 on N.face.

SALT LAKE BASE LINE THROUGH RANGE 16 WEST.

Chains. Difference bet.measurements of 80.00 chs.by two sets of chainmen is 2 lks.; position of middle point,

By 1st set 80.01 chs.

Bu 2d set 79.99 chs.; the mean of which is

80.00 Deposit a quart of glass, 12 ins.in the ground, for St. cor.of secs.35 and 36; dig pits 24 x 18 x 12 ins. crosswise on each line N.SE. and W.of cor.5 ft.dist. raise a mound of earth 4 ft.base,2 ft.high over deposit.

In E.pit drive a pine stake 2 ft.long, 2 ins.sq. 12 ins.in the ground, marked

S C T 1 N R 16 W on N.

S 36 on E., and

S 35 on W.face; with 1 groove on E. and 5 grooves on W.face.

Land, level.

Soil, alkaline; 3d rate.

No timber.

East on S.bdy.of sec.36,

Over level land.

Difference bet.measurements of 40.00 chs.by two sets of chainmen is 1 lk.; position of middle point,

By 1st set 40.00½chs.

By 2d set 39.99½chs.; the mean of which is

40.00 Deposit a quart of glass, 12 ins.in the ground, for standard ¼ sec.cor.; dig pits 18x18x12 ins.E. and W. of cor.4 ft.dist.; and raise a mound of earth 3½ ft. base, 1½ ft.high over deposit.

In E.pit drive a pine stake, 2 ft.long, 2 ins.sq. 12 ins.in the ground, marked

S C ¼ S 36 on N.face.

Difference bet.measurements of 80.00 chs.by two sets of chainmen is 2 lks.; position of middle point

By 1st set is 79.99 chs.

SALT LAKE BASE LINE, THROUGH RANGE 16 WEST.

Chains.

80.00 By 2d set 80.01 chs.; the mean of which is Deposit a quart of glass, 12 ins.in the ground, for standard cor.of Tps.1 N., Rs.15 and 16 W.; dig pits 30x24x12 ins.crosswise on each line N., E. and W.of cor.5 ft.dist.; and raise a mound of earth 5 ft.base 2½ft.high over deposit.

In E.pit drive a pine stake, 2 ft.long, 2 ins.sq, 12 ins.in the ground, marked

S C T 1 N on N.

R 15 W S 31 on E.

R 16 W S 36 on W.face; with 6 grooves on N.E.and W.faces.

Land, level.

Soil, alkaline; 3d rate.

No timber. August 14, 1907.

For general description see notes of subdivision of this township.

Alonzo J. Stookey

U.S.Deputy Surveyor.

SALT LAKE BASE LINE THROUGH RANGE 15 WEST.

Aug.14:

East along S.bdy.of sec.31,

Over level alkali land.

Difference bet.measurements of 40.00 chs.by two sets of chainmen is 1 lk.; position of middle point

By 1st set 39.99½chs.

By 2d set 40.00½chs.; the mean of which is

40.00 Deposit a quart of glass, 12 ins.in the ground, for St. ¼ sec.cor.; dig pits 18x18x12 ins.E. and W.of cor.4 ft.dist.; and raise a mound of earth 3½ ft.base, 1½

SALT LAKE BASE LINE THROUGH RANGE 15 WEST.

Chains. ft.high over deposit.

In E.pit drive a pine stake, 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked

S C ¼ S 31 on N.face.

Difference bet.measurements of 80.00 chs.by two sets of chainmen is 2 lks.; position of middle point,

By 1set set 79.99 chs.,

By 2d set 80.01 chs.; the mean of which is

80.00 Deposit a quart of glass, 12 ins.in the ground, for St. cor.of secs.31 and 32; dig pits 24x18x12 ins.cross-wise on each line, N., W. and W.of cor.5 ft.dist.; and raise a mound of earth 4 ft.base, 2 ft.high over deposit.

In E.pit drive a pine stake 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked

S C T 1 N R15.W.on N.

S 32 on E., and

S 31 on W.face; with 5 grooves on E. and 1 groove on W.face.

Land,level.

Soil, alkaline; 3d rate.

No timber.

Aug.14,1907.

For general description see notes of subdivision of T. 1 S., R. 16 W.

U.S.Deputy Surveyor.

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PAGE

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by Alonzo J.Stookey, United States Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the survey of the Salt Lake Base line through Ranges 18.17.16 and part of 15 West of the Salt Lake Meridian,Utah, showing the respective capacities in which they acted:

Richard Orr, Ralph Gentry, *Chainmen.*

Lionel J.Stookey, Asael Tanner, *Chainmen.*

Richard Orr, *Moundman.*

Lionel J.Stookey, *Moundman.*

Axman.

Axman.

Warren Eyman, *Flagman.*

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted Alonzo J.Stookey, United States Deputy Surveyor, in surveying all those parts or portions of the the Salt Lake Base line through Ranges 18.17,16 a and part of 15 West of the Salt Lake 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.

Asael Tanner, Lione J. Stookey, *Chainman.*

Ralph Gentry, Richard Orr, *Chainman.*

Lione J. Stookey, *Moundman.*

Richard Orr, *Moundman.*

Axman.

Axman.

Warren Eyman, *Flagman.*

Subscribed and sworn to before me this 7th day of October, 1907.

SEAL

Alonzo J. Stookey
U.S.Deputy Surveyor.

6—151

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, Alonzo J. Stookey, United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from Thomas Hull United States Surveyor General for Utah, bearing date of the 21st day of March, 1907, I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for Utah, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of the Salt Lake Base line through Ranges 18, 17, 16, and part of 15 West of the Salt Lake meridian, in the State of Utah, which are represented in the foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for Utah and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

Alonzo J. Stookey
United States Deputy Surveyor.

Subscribed by said Alonzo J. Stookey, and sworn to before me this 2d day of January, 1908.

Thomas Hull
U.S. Surveyor-General
for Utah.

SEAL

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, May 8, 1908

The foregoing field notes of the survey of the Salt Lake Base line through Ranges 18, 17, 16, and part of 15 West of the Salt Lake Meridian, Utah executed by Alonzo J. Stookey under his contract No. 296, dated March 21, 1907, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Thomas Hull
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-344

FIELD NOTES

OF THE SURVEY OF THE

SOUTH AND EAST BOUNDARIES

OF

TOWNSHIP NO. 1 SOUTH

RANGE NO. 18 WEST

Of the SALT LAKE BASE AND *Meridian,*

UTAH.

AS SURVEYED BY

Alonzo J. Stookey, *United States Deputy Surveyor,*

Under his Contract No. 286, *dated* March 21, 1907.

Survey commenced August 15, 1907.

Survey completed August 15, 1907.

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11-77-34

52.72

BOOK A-344

NAMES AND DUTIES OF ASSISTANTS.

Ralph Gentry, Chainman

Asael Tanner, Chainman.

Richard Orr, Moundman.

Lionel J. Stookey, Moundman.

Warren Eyman, Flagman.

A-344

South and East Bdy 462 A
Tp. 1 S. R. 18 W.

High Low Clos.
South
57752 ✓ 52.72 ✓

East.
57982 ✓

15734
11 77 34 ✓

1371
2
77

Volume
#
R0344

BOOK A-344

INDEX DIAGRAM.

Township 1 South, *Range* 18 West

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Meanders Page

BOOK A-344

PRELIMINARY OATHS OF ASSISTANTS.

We, Ralph Gentry and Asael Tanner

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 the E. and S. Bdys. T. 1 S. R. 16 W.; S. and W. Bdys. T. 1 S. Rs. 17 and 18 W.; E. and N. Bdys. T. 1 N. R. 16 W.; and W. and N. Bdys. T. 1 N., Rs. 17 and 18 W. of the Salt Lake Base and Meridian, Utah.

Asael Tanner, Chainman

Ralph Gentry, Chainman

Subscribed and sworn to before me this 29th day of May, 1907.

SEAL

Lionel J. Stookey
U.S. Deputy Surveyor.

We, Lionel J. Stookey and Richard Orr

do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey of the E. and S. Bdys. T. 1 S. R. 16 W.; S. and W. Bdys. T. 1 S. Rs. 17 and 18 W.; E. and N. Bdys. T. 1 N. R. 16 W.; and W. and N. Bdys. T. 1 N., Rs. 17 and 18 W. of the Salt Lake Base and Meridian, Utah.

Lionel J. Stookey, Moundman

Richard Orr, Moundman

Subscribed and sworn to before me this 29th day of May, 1907.

SEAL

Lionel J. Stookey
U.S. Deputy Surveyor.

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 ....., 190

SEAL

I, Warren Eyman, do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of the E. and S. Bdys. T. 1 S. R. 16 W.; S. and W. Bdys. T. 1 S. Rs. 17 and 18 W.; E. and N. Bdys. T. 1 N. R. 16 W.; and W. and N. Bdys. T. 1 N. Rs. 17 and 18 W. of the Salt Lake Base and Meridian, Utah.

Warren Eyman, Flagman

Subscribed and sworn to before me this 29th day of May, 1907.

SEAL

Lionel J. Stookey
U.S. Deputy Surveyor.

6—151

SOUTH BOUNDARY T. 1 S., R. 18 W.

Chains. Survey commenced Aug.15, 1907, and executed with the instrument described in book "A" of this survey.

Knowing from recent observations made Aug.13 and 14 at the standard cor.of T. 1 N.Rs.16 and 17 W., that my instrument is in adjustment, I deem further tests at this time unnecessary.

At 7h 5m a.m.l.m.t. I set off 40° 41' on lat.arc; 14° 20'N. on decl.arc; and determine a meridian with the solar at the cor.of Tps.1 and 2 S., Rs.18 and 19 W.as established by myself and heretofore described.

Thence I run

East bet.secs.6 and 31,

Over level salt bed.

37.52 Drill a hole in the salt bed, 4 ins.sq., 12 ins.deep, in which I set a pine stake, 2 ins.sq., 2 ft.long, with quart of glass, 12 ins.in salt bed, for ¼ sec. cor., marked

¼ S 31 on N.face, 6 on S.face.

77.52 Drill a hole 4 ins.sq., 12 ins.deep, in salt bed, in which I set a pine stake 2 ft.long, 2 ins .sq.,12 ins. in salt bed, with quart of glass,for cor.of secs.5,6, 31 and 32, marked

T 1 S S32 on NE.

R 18 W S 5 on SE.,

T 2 S S 6 on SW.; and

S 31 on NW.face, with 5 notches on E. and 1 notch on W.edges.

Land, level salt bed.

No timber.

East bet.secs.5 and 32,

Over level salt bed.

40.00 Drill a hole 4 ins.sq., 12 ins.deep, in salt bed, in

SOUTH BOUNDARY T. 1 S., R. 18 W.

Chains.	which I set a pine stake, 2 ft.long, 2 ins.sq.,with quart of glass, 12 ins.in salt bed, marked ¼ S 32 on N.face; and 5 on S.face.
20.00	Drill a hole, 4 ins.sq, 12 ins.deep, in which I set a pine stake, 2 ft.long, 2 ins.sq., with quart of glass 12 ins.in ground for cor.of secs.4.5.32. and 33, marked T 1 S S 33 on N.E. R 18 W S 4 on SE. T 2 S S 5 on SW., and S 32 on NW.face; with 4 notches on E. and 2 notches on W.edge. Land, level salt bed. No timber.

East bet.secs.4 and 33

	Over level salt bed.
40.00	Drill a hole 4 ins.sq., 12 ins.deep, in salt bed, in which I set a pine stake, 2 ft.long, 2 ins.sq., with quart of glass, 12 ins.in the salt for ¼ sec.cor. ¼ S 33 on N.face and 4 on S.face.
80.00	Drill a hole 4 ins.sq., 12 ins.deep in salt bed, in which I set a pine stake, 2 ft.long, 2 ins.sq.,with quart of glass, 12 ins.in the salt for cor.of secs. 3.4.33. and 34, marked T 1 S S 34 on NE., R 18 W S 3 on SE., T 2 S S 4 on SW., and S 33 on NW.face; with 3 notches on E. and W.edges. Land, level salt bed. No timber.

SOUTH BOUNDARY T. 1 S., R. 18 W.

Chains.

East bet.secs.3 and 34,

Over level salt bed.

40.00 Drill a hole 4 ins.sq., 12 ins.deep in the salt bed, in which I set f pine stake 2 ft.long, 2 ins.sq.with quart of glass, 12 ins.in the salt bed for ¼ sec.cor marked ¼ S 34 on N.face; and 3 on S.face.

80.00 Drill a hole,4 ins.sq., 12 ins.deep in salt bed, in which I set a pine stake, 2 ft.long, 2 ins.sq., 12 ins.deep in salt bed, with quart of glass deposit, for cor.of secs.2,3,34, and 35, marked

T 1 S S 35 on NE.

R 18 W S 2 on SE.,

R 18 W S 3 on SW., and

S 34 on NW.face, with 2 notches on E. and 4 notches on W.edges.

Land, level. salt bed.

No timber.

East bet.secs.2 and 35,

Over level salt bed.

40.00 Drill a holw 4 ins.sq., 12 ins.deep,in salt bed, in which I set a pine stake 2 ins.sq., with quart of glass, 12 ins.deep in salt for ¼ sec.cor., marked ¼ S 35 on N.; and 2 on S.face.

80.00 Drill a hole 4 ins.sq., 12 ins.deep in salt bed, in which I set a pine stake, 2 ft.long, 2 ins.sq., 12 ins.in the salt with quart of glass, for cor.of secs. 1,2,35, and 36, marked

T 1 S S 36 on NE.

R 18 W S 1 on SE.

T 2 S S 2 on SW., and

S 35 on NW.face, with 1 notch on E. and 5 notches

SOUTH BOUNDARY T. 1 S., R. 18 W.

Chains	
	on W.edges. Land, level salt bed. No vegetation.
	East bet.secs.1 and 36, Over level salt bed.
40.00	Drill a hole 4 ins.sq., 12 ins.deep, in salt bed, in which I set a pine stake, 2 ft.long, 2 ins.sq., with quart of glass, 12 ins.in the salt, for ¼ sec.cor. marked ¼ S 36 on N.face, and 1 on S.face.
80.00	Drill a hole 4 ins.sq., 12 ins.deep, in salt bed, in which I set a pine stake 2 ft.long, 2 ins.sq., with quart of glass, 12 ins.in the salt for cor.of Tps. 1 and 2 S., Rs.17 and 18 W., marked T 1 S S 31 on NE. R 17 W S 6 on SE. R 18 W S 1 on SW., and [illegible] S 36 on NW.face, with 6 notches on each edge. Land, level salt bed. No timber[illegible]n.
	Aug.15: At this cor.I set off 14° 20'N.on decl.arc; and at 0 h.05 m.p.m.l.m.t.observe the sun on the meridian; the resulting lat.is 40° 41'
	For general description see notes of subdivision of this township.

EAST BOUNDARY T.-1 S., R. 18 W.

Chains.	
	From the cor.of Tps.1 and 2 S., Rs.17 and 18 W. set by me this day, and heretofore described, I run
	North bet.secs.31 and 36,
	Over level salt bed.
40.00	Drill a hole 4 ins.sq., 12 ins.deep, in salt bed, in which I set a pine stake, 2 ft.long, 2 ins.sq., with quart of glass, 12 ins.in salt for ¼ sec.cor., marked
	¼ S 36 on W.face; and 31 on E.face.
80.00	Drill a hole, 4 ins.sq., 12 ins.deep in salt bed, in which I set a pine stake, 2 ins.sq., 2 ft.long, with quart of glass, 12 ins.in the salt for cor.of secs. 25,30,31, and 36, marked
	T 1 S S 30 on NE.
	R 17 W S 31 on SE.
	R 18 W S 36 on SW., and
	S 25 on NW.face, with 5 notches on N. and 1 notch on S.edge.
	Land, level salt bed.
	No timber.
	North bet.secs.25 and 30,
	Over level salt bed.
40.00	Drill a hole, 4 ins.sq., 12 ins.deep in salt bed, in which I set a pine stake, 2 ft.long, 2 ins.sq., with quart of glass, 12 ins.in the salt, for ¼ sec.cor., marked
	¼ S 25 on W.face; and 30 on E.face.
80.00	Drill a hole 4 ins.sq., 12 ins.deep in salt bed, in which I set a pine stake, 2 ft.long, 2 ins.sq., with quart of glass, 12 ins.in the salt, for cor.of secs. 19.24, 25 and 30, marked

EAST BOUNDARY T. 1 S.,R. 18 W.

Chains.	T 1 S S 19 on NE., R 17 W S 30 on SE. R 18 W S 25 on SW., and S 19 on NW.face; with 2 notches on S. and 4 notches on N.edges. Land, level salt bed. No timber.
	North bet.sec .19 and 24, Over level salt bed.
40.00	Drill a hole 4 ins.sq., 12 ins.deep in salt bed, in which I set a pine stake 2 ft.long, 2 ins.sq., with quart of glass, 12 ins.in the salt, for ¼ sec.cor. marked ¼ S 24 on W.face, and 19 on E.face.
80.00	Drill a hole, 4 ins.sq., 12 ins.deep in salt bed, in which I set a pine stake 2 ft.long, 2 ins.sq., with quart of glass,12 ins.deep in salt for cor.of secs. 13,18,19, and 24, marked T 1 S S 18 on NE. R 17 W S 19 on SE. R 18 W S 24 on SW., and S 13 on NW.face, with 3 notches on N. and S.edges; Land, level salt bed. No timber.
	North bet.secs.13 and 18, Over level salt bed,
5.00	Telegraph line bears N.88° 31'W. and S. 88° 31'E.
5.48	Western Pacific Ry.track bears N.88° 31'W. and S.88° 31'E.
40.00	Drill a hole, 4 ins.sq., 12 ins.deep in salt bed, in

EAST BOUNDARY T. 1 S., R. 18 W.

Chains	
	which I set a pine stake 2 ft.long, 2 ins.sq., 12 ins. deep, with quart of glass, for ¼ sec.cor., marked ¼ S 13 on W.face; and 18 on E.face.
80.00	Drill a hole, 4 ins.sq., 12 ins.deep, in salt bed, in which I set a pine stake 2 ft.long, 2 ins.sq., with quart of glass, 12 ins.deep in salt for cor.of secs. 7,12,13, and 18, marked T 1 S S 7 on NE. R 17 W S 18 on SE., R 18 W S 13 on SW., and S 12 on NW.face, with 4 notches on S. and 2 notches on N.edges. Land, level.salt bed. No timber.
	North bet.secs.7 and 12, Over level salt bed.
40.00	Drill a hole, 4 ins.sq., 12 ins.deep in salt bed, in which I set a pine stake 2 ft.long, 2 ins.sq., with quart of glass, 12 ins.deep in salt, for ¼ sec.cor., marked ¼ S 12 on W.face, and 7 on E.face.
80.00	Drill a hole 4 ins.sq., 12 ins.deep in salt bed, in which I set a pine stake 2 ft.long, 2 ins.sq., with quart of glass, 12 ins.deep in salt for cor.of secs.1 6,7, and 12, marked T 1 S S 6 on NE., R 17 W S 7 on SE., R 18 W S 12 on SW., and S 1 on NW.face, with 1 notch on N. and 5 notches on S.edge. Land, level salt bed. No timber.

EAST BOUNDARY T. 1 S., R. 18 W.

Chains.	North bet. secs. 1 and 6,
	Over level salt bed.
40.00	Drill a hole 4 ins. sq., 12 ins. deep in salt bed, in which I set a pine stake 2 ft. long, 2 ins. sq., with quart of glass, 12 ins. deep in salt for ¼ sec. cor., marked
	¼ S 1 on W. face; 6 on E. face.
79.88	Intersect Salt Lake Base line 52.72 chs. E. of the standard cor. of Tp. 1 N., Rs. 17 and 18 W., set by myself and heretofore described.
	Drill a hole 4 ins. sq., 12 ins. deep in salt bed, in which I set a pine stake, 2 ft. long, 2 ins. sq., with quart of glass, 12 ins. deep, in salt, for closing cor. of Tps. 1 S., Rs. 17 and 18 W., marked
	C C T 1 S on S.
	R 17 W S 6 on E., and
	R 18 W S 1 on W. face, with 6 grooves on S., E., and W. faces.
	Land, level salt bed.
	No timber. Aug. 15, 1907.

For general description see notes of subdivision of this township.

BOUNDARIES OF T S R 18 W

LATITUDES, DEPARTURES, AND CLOSING ERRORS.

Line Designated	True Bearing	Dist.	Latitudes N.	Latitudes S.	Departures. E.	Departures. W.
		chs.	chs.	chs.	chs.	chs.
South Boundary	East	477.52	.....	.....	477.52	.....
East Boundary	North	479.82	479.82	.....	.....	.....
Salt Lake Base	West	477.03	.....	.....	.....	477.03
West Boundary	South	480.00	.....	480.00	.....	.....
Convergency						0.63
Totals,			479.82	480.00	477.52	477.66
				479.82		477.52
Error in lat. and dep.				0.18		.14

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:

For list of names and final affidavits see book "Z" 3 T.1 N. R. 16 W.

....., *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 ....., 190

SEAL

6—151

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, ..., United States Deputy Surveyor, d solemnly swear that, in pursuance of a contract received from ..... United States Surveyor General for ....., bearing date of t ..... day of ....., 190 , I have well, faithfully, and truly, in my ow proper person, and in strict conformity with the instructions furnished by the United States Surveyo General for ....., the Manual of Surveying Instructions, and the laws of th United States, surveyed all those parts or portions of .....

For final affidavit see book "Z" Tp.1 N., R. 16 W.

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

United States Deputy Surveyo.

Subscribed by said ....., and sworn to before me this ..... day of ....., 190

SEAL

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, May 8, 190

The foregoing field notes of the survey of the South and East Boundaries of Township No. 1 South, Range No.18 West of the Salt Lake Base and Meridian, Utah,

executed by Alonzo J.Stookey under his contract No. 396, dated March 31, 190 7, having bee critically examined, and the necessary corrections and explanations made, the said field notes, and th surveys they describe, are hereby approved.

United States 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.

United States Surveyor Genera

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4—679.

C.L.G.

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FEB 5 1908
479

BOOK A-344
R.

FIELD NOTES

OF THE SURVEY OF THE

SUBDIVISION

OF

TOWNSHIP NO. 1 SOUTH

RANGE NO. 18 WEST

Of the SALT LAKE BASE AND *Meridian,*

UTAH,

AS SURVEYED BY

Alonzo J. Stookey, *United States Deputy Surveyor,*

Under his Contract No. 296, *dated* March 21, *190* 7.

Survey commenced August 16, *190* 7.

Survey completed August 21, *1907.*

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63.19

BOOK A-344

NAMES AND DUTIES OF ASSISTANTS.

Ralph Gentry,	Chainman.
Asael Tanner,	Chainman.
Richard Orr,	Moundman.
Lionel J.Stookey,	Moundman.
Warren Eyman,	Flagman.

For preliminary affidavits see book " F " T. 10 S., R. 5 W.

BOOK A-344

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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 th
chain upon 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 ....., 190

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 ....., 190

SEAL

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

.....

..... , *Axma*

..... , *Axma*

Subscribed and sworn to before me this .....
day of ....., 190

SEAL

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

..... , *Flagma*

Subscribed and sworn to before me this .....
day of ....., 190

SEAL

6—151

SUBDIVISION OF T. 1 S., R. 18 W.

Chains. Survey commenced Aug.16, 1907 and executed with the instrument described in book "A" of this survey.

At $7^h 4^m$ a.m.l.m.t. I set off 40° 41' on lat.arc; 14° 02'N. on decl.arc; and determine a meridian with the solar at the cor.of secs.1,2,35 and 36 on S.bdy.of Tp., heretofore described.

Thence I run

N.0°01'W.bet.secs.35 and 36

Over level salt bed.

40.00. Drill a hole in the salt bed 4 ins.sq., 12 ins.deep, in which I set a pine stake 2 ft.long, 2 ins.sq., with quart of glass, 12 ins. in the salt for ¼ sec. cor., marked

¼ S 35 on W.face; and 36 on E.face.

80.00 Drill a hole, 4 ins.sq., 12 ins.deep in the salt bed, in which I set a pine stake, 2 ft.long, 2 ins.sq., with quart of glass, 12 ins.in the salt for cor.of secs.25,26,35, and 36, marked

T 1 S S 25 on NE.,

R 18 W S 36 on SE.

S 35 on SW., and

S 26 on NW .face; with 1 notch on S.and E.edges.

Land level salt bed.

No timber.

I sight a flag set at the cor.of secs.25,30.31 and 36 on E.bdy.of Tp., and run

N.89° 58'E.on random line bet.secs.25 and 36,

40.00 Set temp.¼ sec.cor.

80.02 Intersect E.bdy.of Tp.at the cor.of secs.25,30,31, and 36, heretofore described. Thence I run

S.89° 58'W.on true line bet.secs.25 and 36,

Over level salt bed.

SUBDIVISION OF T. 1 S., R. 18 W.

Chains.	
40.01	Drill a hole 4 ins.sq., 12 ins.deep in salt bed, in which I set a pine stake 2 ft.long, 2 ins.sq., with quart of glass, 12 ins.in the salt for ¼ sec.cor., marked ¼ S25 on N.face, and 36 on S.Face.
80.02	The cor.of secs.25,26,35, and 36. Land, level salt bed. No timber.
	N.0°01'W.bet.secs.25 and 26, Over level salt bed.
40.00	Drill a hole, 4 ins.sq., 12 ins.deep, in salt bed, in which I set a pine stake, 2 ft.long, 2 ins.sq.,with quart of glass, 12 ins.deep, in salt for ¼ sec.cor. marked ¼ S26 on W.face; and 25 on E.face.
80.00	Drill a hole 4 ins.sq., 12 ins.deep in salt bed, in which I set a pine stake 2 ft.long, 2 ins.sq., with quart of glass, 12 ins.in the salt, for cor.of secs. 23,24.25, and 26, marked T 1 S S 24 on NE., R 18 W S 25 on SE. S 26 on SW., and S 23 on NW.face., with 1 notch on E. and 2 notches on S.edge. Land, level salt bed. No timber.
	I sight a flag set at the cor.of secs.19,24,25. and 30 on E.bdy.of Tp. and run East on a random line bet.secs.24 and 25,
40.00	Set temp.½ sec.cor.

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Chains.	
80.06	Interset E.bdy.of Tp., at the cor.of secs.19.24.25, and 30 heretofore described.
	Thence I run
	West on a true line bet.secs.24 and 25,
	Over level salt bed.
40.03	Drill a hole, 4 ins.sq., 12 ins.deep, in salt bed, in which I set a pine stake, 2 ft.long, 2 ins.sq.,with quart of glass, 12 ins.in the salt, for ¼ sec.cor., marked
	¼ S 24 on N.face; and 25 on S.face.
80.06	The cor.of secs.23,24,25, and 26.
	Land, level salt bed.
	No timber.
	N.0°01'W.bet.secs.23 and 24,
	Over level salt bed.
40.00	Drill a hole, 4 ins.sq., 12 ins.deep in the salt bed, in which I set a pine stake, 2 ft.long, 2 ins.sq., with quart of glass, 12 ins.in the salt, for ¼ sec. cor., marked
	¼ S 23 on W.face; and 24 on E.face.
80.00	Drill a hole, 4 ins.sq., 12 ins.deep in the salt bed, in which I set a pine stake, 2 ft.long, 2 ins.sq., with quart of glass, 12 ins.in the salt, for cor.of secs.13,14.23. and 24, marked
	T 1 S S 13 on NE.,
	R 18 W S 24 on SE.
	S 23 on SW., and
	S 14 on NW.face, with 3 notches on S. and 1 notch on E.edge.
	Land, level.salt bed.
	No timber.

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Chains	
	I sight a flag set at the cor.of secs.13,18,19, and 24 on E.bdy.of Tp, and run
	N.89° 59'E.on random line bet.secs.13 and 24
40.00	Set temp.¼ sec.cor.
80.10	Intersect E.bdy.of Tp. at the cor.of secs.13,18,19,and 24, heretofore described. Thence I run
	S.89° 59'W.on true line bet.secs.13 and 24,
	Over level salt bed.
40.05	Drill a hole, 4 ins.sq., 12 ins.deep in salt bed, in which I set a pine stake 2 ft.long, 2 ins.sq., with quart of glass, 12 ins.in the salt, for ¼ sec.cor. marked
	¼ S 13 on N.face; and 24 on S.face.
80.10	The cor.of secs.13,14,23, and 24,
	Land level salt bed.
	No timber.

N.0°01'W.bet.secs.13 and 14,

	Over level salt bed.
7.19	Telegraph line bears N. 88° 31'W. and S.88° 31'E.
7.69	Western Pacific Ry.track bears N. 88°31'W. and S.88° 31'E.
40.00	Drill a hole 4 ins.sq., 12 ins.deep in salt bed, in which I set a pine stake 2 ft.long, 2 ins.sq., with quart of glass, 12 ins.in the salt for ¼ sec.cor., marked ¼ S 14 on W.face; and 13 on E.face.
80.00	Drill a hole, 4 ins.sq., 12 ins.in the salt bed, in which I set a pine stake 2 ft.long, 2 ins.sq., with quart of glass, 12 ins.deep, for cor.of secs.11,12,13 and 14, marked
	T 1 S S 12 on NE. ,
	R 18 W S 13 on SE. ,
	S 14 on SW., and
	S 11 on NW.face.; with 1 notch on E. and 4 notches

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Chains.	
	on S.edge.
	Land, level salt bed.
	No timber.
	Aug.16, 1907: At this cor.I set off 13° 57'N.on decl. arc; and at 0 h.04 m.p.m.lmm.t.observe the sun on the meridian; the resulting lat.is 40° 44'
	I sight a flag set at the cor.of secs.7,12,13, and 18 on Erbdy.of Tp. , and run
	East bet.secs.12 and 13 on random line.
40.00	Set temp.¼ sec.cor.
80.06	Intersect E.bdy.of Tp.at the cor.of secs.7,12,13, and 18 heretofore described. Thence I run
	West on true line bet.secs.12 and 13,
	Over level salt bed.
40.03	Drill a hole 4 ins.sq., 12 ins.in the salt bed, in which I set a pine stake, 2 ft.long, 2 ins.sq., with quart of glass, 12 sin.deep in the salt, for ¼ sec. cor., marked
	¼ S 12 on N.face; and 13 on S.face.
80.06	The cor.of secs.11,12,13, and 14.
	Land, level salt bed.
	No timber.
	N.0°01'W.bet.secs.11 and 12,
	Over level salt bed.
40.00	Drill a hole 4 ins.sq., 12 ins.deep in the salt bed, in which I set a pine stake 2 ft.long, 2 ins.sq., with quart of glass, 12 ins.in the salt, for ¼ sec.cor. marked
	¼ S 11 on W.face; and 12 on E.face.

Chains.
80.00 Drill a hole, 4 ins.sq.,12 ins.deep, in the salt bed, in which I set a pine stake, 2 ft.long, 2 ins.sq., with quart of glass, 12 ins.in the salt, for cor.of secs.1,2,11, and 12, marked

T 1 S S 1 on NE.,

R 18 W S 12 on SE.

S 11 on SW ., and

S 2 on NW.face; with 1 notch on E. and 5 notches on S.edge.

Land, level salt bed.

No timber.

I sight a flag set at the cor.of secs.1,6,7, and 12 on E.bdy.of Tp., and run

East on a random line bet.secs.1 and 12,

40.00 Set temp.¼ sec.cor.

80.04 Intersect E.bdy.of Tp. at the cor.of secs.1,6,7, and 12 heretofore described: Thence I run

West on a true line bet.secs.1 and 12,

Over level salt.bed.

40.02 Drill a hole 4 ins.sq., 12 ins.deep in salt bed, in which I set a pine stake 2 ft.long, 2 ins.sq., with quart of glass, 12 ins.deep in the salt, for ¼ sec. cor., marked

¼ S 1 on N.face; and 12 on S.face.

80.04 The cor.of secs.1,2,11, and 12.

Land, level salt bed.

No timber.

N.0°01'W.bet.secs.1 and 2,

Over level salt bed.

40.00 Drill a hole, 4 ins.square, 12 ins.deep in the salt bed,

Chains.	
	in which I set a pine stake, 2 ft.long, 2 ins.square with quart of glass, 12 ins.deep in the salt, for ¼ sec.cor., marked
	¼ S 2 on W.face, and 1 on E.face.
72.70	Intersect Salt LakeBase line 12.64 chs.east of the St. ¼ sec.cor.sec.36,T.1,N.,R.18 W.
	Drill a hole, 4 ins.square, 12 ins.deep in the salt bed. in which I set a pine stake 2 ft.long, 2 ins.sq., with quart of glass, 12 ins.deep in the salt for closeing cor.of secs.1 and 2, marked
	C C T 1 S R 18 W on S.
	S 1 on E., and
	S 2 on W.face; with 1 groove on E. and 5 grooves on W.faces.
	Land, level salt bed.
	No timber. Aug:16, 1907.
	Aug.17:At $7^h 4^m$ a.m.l.m.t.I set off 40° 41'on lat.arc; 13° 43'N.on decl.arc; and determine a meridian with the solar at the cor.of secs.2,3,34, and 35 on S.bdy.of Tp., heretofore described.
	Thence I run
	N.0°02'W.bet.secs.34 and 35
	Over level salt bed.
40.00	Drill a hole, 4 ins.square, 12 ins.deep, in salt bed, in which I set a pine stake 2 ft.long, 2 ins.square, with quart of glass, 12 ins.deep in the salt, for ¼ sec.cor., marked
	¼ S 34 on W.face; and 35 on E.face.
80.00	Drill a hole, 4 ins.square, 12 ins.deep in the salt bed in which I set a pine stake, 2 ft.long, 2 ins.sq.with quart of glass, 12 ins.in the salt for cor.of secs. 26,27,34, and 35, mar ked

Chains. T 1 S S 26 on NE.

R 18 W S 35 on SE.

S 34 on SW., and

S 27 on NW. face; with 2 notches on E. and 1 notch on S. edge.

Land, level salt bed.

No timber.

I sight a flag set at the cor. of secs. 25, 26, 35, and 36 and run

East on a random line bet. secs. 26 and 35,

Over level salt bed.

40.00 Set temp. ¼ sec. cor.

79.96 Intersect N. and S. line at the cor. of secs. 25, 26, 35, and 36. Thence I run

West on true line bet. secs. 26 and 35.

Over level salt bed.

39.98 Drill a hole 4 ins. square, 12 ins. deep in the salt bed, in which I set a pine stake 2 ft. long, 2 ins. sq, with quart of glass, 12 ins. deep in the salt, for ¼ sec. cor., marked

¼ S26 on N. face; and 35 on S. face.

79.96 The cor. of secs. 26, 27, 34, and 35.

Land, level salt bed.

No timber.

N. 0°02' W. bet. secs. 26 and 27,

Over level salt bed.

40.00 Drill a hole, 4 ins. square, 12 ins. deep in the salt bed, in which I set a pine stake, 2 ft. long, 2 ins. square, with quart of glass, 12 ins. in the salt, for ¼ sec. cor., marked

¼ S 27 on W. face; 26 on E. face.

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Chains	
80.00	Drill a hole 4 ins.sq., 12 ins.in the salt bed, in which I set a pine stake, 2 ft.long, 2 ins.square, with quart of glass, 12 ins.deep, for cor.of secs.22, 23,26, and 27, marked T 1 S S 23 on NE. R 18 W S 26 on SE., S 27 on SW., and S 22 on NW.face, with 2 notches on S. and E.edges. Land, level salt bed. No timber.
	I sight a flag set at the cor.of secs.23,24,25, and 26 and run East on a random line bet.secs.23 and 26,
40.00	Set temp.¼ sec.cor.
79.90	Intersect N. and S.line at the cor.of secs.23,24,25 and 26. Thence I run West on a true line bet.secs. 23 and 26, Over level salt bed.
39.95	Drill a hole, 4 ins.sq., 12 ins.deep in salt bed, in which I set a pine stake 2 ft.long, 2 ins.sq., with quart of glass, 12 ins.deep, for ¼ sec.cor.,marked ¼ S 23 on N.face; and 26 on S.face.
79.90	The cor.of secs.22,23,26, and 27. Land level salt bed. No timber.
	N.0°02'W.bet.secs.23 and 2 7.
	Over level salt bed.
40.00	Drill a hole 4 ins.square, 12 ins.deep in salt bed, in which I set a pine stake, 2 ft.long, 2 ins.square, with quart of glass, 12 ins.deep, for ¼ sec.cor..

Chains.

marked ¼ S 22 on W.face; and 23 on E.face.

80.00 Drill a hole 4 ins.square, 12 ins.deep in salt bed, in which I set a pine stake, 2 ft.long, 2 ins.square, q with quart of glass, 12ins.deep, for cor.of secs.14, 15,22, and 23, marked

T 1 S S 14 on NE.

R 18 W S 23 on SE.

S 22 on SW ., and

S 15 on NW.face; with 2 notches on E. and 3 notches on S.edge.

Land, level salt bed.

No timber.

I sight a flag set at the cor.of secs.13,14,23, and 24, and run

East on a random line bet.secs.14 and 23,

40.00 Set temp.¼ sec.cor.

79.92 Intersect N. and S.line at the cor.of secs.13.14.23 and 24, and run

West on a true line bet.secs.14 and 23,

Over level salt bed.

39.96 Drill a hole, 4 ins.square, 12 ins.deep in salt bed, in which I set a pine stake, 2 ft.long, 2 ins.square 12 ins.deep, with quart of glass, for ¼ sec.cor. marked

¼ S 14 on N.face; and 23 on S.face.

79.92 The cor.of secs.14,15,22, and 23.

Land, level.salt bed.

No timber.

Aug.17: At this cor.I set off 13° 38'N.on decl.arc; and at 0 h.05 m.p.m.l.m.t.observe the sun on the meridian; the resulting lat.is 40° 43'.

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Chains.	
	N.0°02'W.bet.secs.14 and 15,
	Over level salt bed.
9.32	Telegraph line bears N.88° 31'W. and S. 88° 31'E.
9.82	Western Pacific Ry.track bears N.88° 31'W. and S.88° 31' E.
40.00	Drill a hole, 4 ins.square, 12 ins.deep in salt bed, in which I set a pine stake, 2 ft.long.2 ins.square, 12 ins.deep, with quart of glass, for ¼ sec.cor., marked ¼ S 15 on W.face, and 14 on E.face.
	Section house at Salduro, which is about 1.00 ch.S.of Ry. bears S.49° 22'E.; the bunk house is about 1 ch. east of section house.
80.00	Drill a hole 4 ins.square, 12 ins.deep in salt bed, in which I set a pine stake 2 ft.long. 2 ins.square, 12 ins.deep, with quart of glass, for cor.of secs.10,11 14 and 15, marked T 1 S S 11 on NE. R 18 W S 14 on SE. S 15 on SW.; and S 10 on NW.face, with 4 notches on S. and 2 notches on E.edge.
	From this cor. section house bears S.27° 31'E.
	Land level salt bed.
	No timber.
	I sight a flag set at the cor.of secs.11,12.13, and 14 and run
	N.89° 59'E.on a random line bet.secs.11 and 14,
40.00	Set temp.¼ sec.cor.
79.94	Intersect N. and S.line at the cor.of secs.11,12,13, and 14. Thence I run
	S.89° 59'W.on true line bet.secs.11 and 14,

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Chains.	Over level salt bed.
39.97	Drill a hole 4 ins.square, 12 ins.deep in salt bed, in which I set a pine stake 2 ft.long, 2 ins.square, 12 ins.deep, with quart of glass for ¼ sec.cor., marked ¼ S 11 on N.face; and 14 on S.face.
79.94	The cor.of secs.10,11,14, and 15.
	Land level salt bed.
	No timber.
	N.0°02'W.bet.secs.10 and 11,
	Over level salt bed.
40.00	Drill a hole 4 ins.square, 12 ins.deep in salt bed, in which I set a pine stake 2 ft.long, 2 ins.square, 12 ins.deep, with quart of glass, marked ¼ S 10 on W.face; and 11 on E.face.
80.00	Drill a hole 4 ins.square, 12 ins.deep, in salt bed, in which I set a pine stake, 2 ft.long, 2 ins.square, 12 ins.deep, with quart of glass, for cor.of secs.2,3,10 and 11, marked T 1 S S 2 on NE. R 18 W S 11 on SE. S 10 on SW., and S 3 on NW.face, with 2 notches on E. and 5 notches on S.edge.
	Land, level salt bed.
	No timber.
	I sight a flag set at the cor.of secs.1,2,11. and 12, and run N.89° 56'E.on a random line bet.secs.2 and 11,
40.00	Set temp.¼ sec.cor.
79.98	Intersect N. and S.line at the cor.of secs.1,2,11, and 12. Thence I run

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Chains.	
	S.89° 56'W.on true line bet.secs.2 and 11,
	Over level salt bed.
39.99	Drill a hole, 4 ins.square, 12 ins.deep in salt bed, in which I set a pine stake 2 ft.long, 2 ins.square, 12 ins.deep, with quart of glass, for ¼ sec.cor.,m marked
	¼ S 2 on N.face; and 11 on S.face.
79.98	The cor.of secs.2,3,10, and 11.
	Land, level salt bed.
	No timber.
	N.00°02'W.bet.secs.2 and 3,
	Over level salt bed,
40.00	Drill a hole 4 ins.square, 12 ins.deep in salt bed, in which I set a pine stake 2 ft.long, 2 ins.square, 12 ins.deep, with quart of glass, for ¼ sec.cor., marked
	¼ S 3 on W.face and 2 on E.face.
79.75	Intersect Salt Lake Base line 12.63 chs.E.of St.¼ sec. corner of section 35, T. 1 N. R. 18 W. heretofore described.
	Drill a hole, 4 ins.square, 12 ins.deep in salt bed, in which I set a pine stake, 2 ft.long, 2 ins.square, 12 ins.deep, with quart of glass, for closing cor. of secs.1 and 2, marked
	C C T 1 S R 18 W on S.
	S 2 on E. and
	S 3 on W.face, with 2 grooves on E. and 4 grooves on W.face.
	Land level salt bed.
	No timber.
	August 17, 1907.
	Aug.18: At the cor.of secs.3,4,33, and 34 on S.bdy.of Tp., heretofore described, latitude 40° 40' 51" N.t.

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Chains.

longitude 113° 49' 42" W., I set off 40° 41' on lat. arc; 13° 35' N. on decl. arc; and at 5 h. 4 m. p.m. l.m.t. determine a meridian with the solar and mark a point thereof on a stone firmly set in the ground 5 chs. N. of the cor.

At 9 h. 49' p.m. l.m.t. I observe Polaris at eastern elongation in accordance with Manual of Instructions and mark a point in the line thus determined on a peg driven in the ground 5 chs. N. of my station.

Aug. 17, 1907.

Aug. 18: At $7^h 4^m$ a.m. l.m.t. I lay off the azimuth of Polaris 1° 34' to the west and mark the meridian thus determined, by cutting a small groove in the stone set Aug. 17 on which the meridian falls 0.4 ins. east of the ma mark determined by the solar.

At 7 h. 30 m. a.m. l.m.t. I set off 40° 41' on lat. arc, 13° 23' N. on decl. arc; and mark a point in the meridian determined with the solar, by a cross on the stone already set 5 chs. N. of my station; this mark falls 0.3 ins. east of the meridian established by the Polaris observation.

The solar apparatus by p.m. and a.m. observations defines positions for meridians, respectively about 0' 21" 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 7h 30m a.m. is N. 17° 28' W.; the angle thus determined gives the mag. decl. 17° 28' E.

From the sec. cor. already described I run

N. 0°02' W. bet. secs. 33 and 34,

SUBDIVISION OF T. 1 S., R. 18 W.

Chains.	
	Over level salt bed.
40.00	Drill a hole 4 ins.square. 12 ins.deep in salt bed. in which I set a pine stake, 2 ft.long. 2 ins.square.12 ins.in deep, with quart of glass, for ¼ sec.cor., marked ¼ S 33 on W.face; and 34 on N.face.
80.00	Drill a hole, 4 ins.square, 12 ins.deep, in salt bed, in which I set a pine stake, 2 ft.long, 2 ins.square, 12 ins.deep, with quart of glass, for cor.of secs.27, 28,33. and 34, marked T 1 S S 27 on NE. R 18 W S 34 on SE., S 33 on SW. and S 28 on NW.face, with 3 notches on E. and 1 notch on S.edge.
	Land, level salt bed.
	No timber.

	I sight a flag set at the cor.of secs.26,27,34, and 35 and run East on a random line bet.secs.27 and 34,
40.00	Set temp.¼ sec.cor.
80.00	Intersect N. and S.line at the cor.of secs.26,27,34, and 35. Thence I run West on a true line bet.secs.27 and 34,
	over level salt bed.
40.00	Drill a hole, 4 ins.square, 12 ins.deep, in salt bed, in which I set a pine stake, 2 ft.long. 2 ins.square 12 ins.deep, with quart of glass, for ¼ sec.cor., marked ¼ S 27 on N.face; and 34 on E.face.
80.00	The cor.of secs.27,28,33. and 34.
	Land level salt bed.
	No timber.

SUBDIVISION OF T.1 S., R. 18 W.

Chains	
	N.0°02'W.bet.secs.27 and 28,
	Over level salt bed.
40.00	Drill a hole 4 ins.square, 12 ins.deep, in salt bed, in which I set a pine stake 2 ft.long, 2 ins.square, 12 ins.deep, with quart of glass, for ¼ sec.cor., marked
	¼ S 28 on W.face; and 27 on E.face.
80.00	Drill hole 4 ins.square, 12 ins.deep in the salt bed, in which I set a pine stake 2 ft.long, 2 ins.square, 12 ins.deep, with quart of glass, for cor.of secs. 21 22,27, and 28, marked
	T 1 S S 22 on NE.
	R 18 W S 27 on SE.
	S 28 on SW ., and
	S 21 on NW.face; with 3 notches on E. and 2 notches on S.edge.
	Land, level salt bed.
	No timber.
	I sight a flag set at the cor.of secs.22,23,26, and 27 and run
	N.89° 59'E.on random line bet.secs.22 and 27
40.00	Set temp.¼ sec.cor.
80.00	Intersect N. and S.line at the cor.of secs.22,23,26, and 27. Thence I run
	S.89° 59'W.on true line bet.secs.22 and 27,
	Over level salt bed.
40.00	Drill a hole 4 ins.square, 12 ins.deep in the salt bed, in which I set a pine stake 2 ft.long, 2 ins.square, 12 ins.deep, with quart of glass, for ¼ sec.cor. marked
	¼ S 22 on N.face; and 27 on S.face.
80.00	The cor.of secs.21,22,27, and 28.
	Land, level salt bed. No timber.

SUBDIVISION OF T. 1 S., R. 18 W.

Chains.	
	N.0°02'W.bet.secs.21 and 22,
	Over level salt bed.
40.00	Drill a hole, 4 ins.square, 12 ins.deep, in salt bed, in which I set a pine stake 2 ft.long, 2 ins.square, 12 ins.deep, with quart of glass, for ¼ sec.cor., marked ¼ S 21 on W.face; and 22 on E.face.
80.00	Drill a hole 4 ins.square, 12 ins.deep in salt bed, in which I set a pine stake 2 ft.long, 2 ins.square, 12 ins.deep, with quart of glass, for cor.of secs.15,16, 21 and 22, marked T 1 S S 15 on NE. R 18 W S 22 on SE. S 21 on SW., and S 16 on NW.face, with 3 notches on S.and E.edges.
	Land, level salt bed.
	No timber.
	I sight a flag set at cor.of secs.14,15,22 & 23 and run N.89° 57'E.on a random line bet.secs.15 and 22,
40.00	Set temp.¼ sec.cor.
79.98	Intersect N. and S.line at the cor.of secs.14,15,22 and 23. Thence I run S.89° 57'W.on true line bet.secs.15 and 22,
	Over level salt bed.
39.99	Drill a hole 4 ins.square, 12 ins.deep, in salt bed, in which I set a pine stake 2 ft.long, 2 ins.square, 12 ins.deep, with quart of glass, for ¼ sec.cor.,marked ¼ S 15 on N.face; and 22 on S.face.
79.98	The cor.of secs.15,16,21, and 22.
	Land, level salt bed.
	No timber.
	Aug.18: At this cor.I set off 13° 18'N.on decl.arc; and at 0 h.04 m.p.m.l.m.t.observe the sun on the meridian; the resulting lat.is 40° 43'
	N.0°02'W.bet.secs.15 and 16,

SUBDIVISION OF T. 1 S., R. 18 W.

Chains.	
	Over level salt bed.
11.40	Telegraph line bears N.88° 31'W. and S.88° 31'E.
11.99	Western Pacific Ry.track, bears N.88° 31'W. and S.88° 31'E.
40.00	Drill a hole, 4 ins.square, 12 ins.deep, in salt bed, in which I set a pine stake 2 ft.long, 2 ins.square 12 ins.deep, with quart of glass, for ¼ sec.cor., marked ¼ S 16 on W.face, and 15 on E.face.
80.00	Drill a hole 4 ins.square, 12 ins.deep in the salt bed, in which I set a pine stake 2 ft.long, 2 ins.square, 12 ins.deep, with quart of glass for cor.of secs.9, 10,15, and 16, marked T 1 S S 10 on NE. R 18 W S 15 on SE. S 16 on SW., and S 9 on NW.face,with 3 notches on E.and 4 notches on S.edge.
	Land, level salt bed. No timber.
	I sight a flag set at cor.of secs.10,11,14 & 15 and run N.89°59'E.on random line bet.secs.10 and 15
40.00	Set temp.¼ sec.cor.
80.00	Intersect N. and S.line at the cor.of secs.10,11,14, and 15. Thence I run S.89° 59'W.on true line bet.secs.10 and 15,
	Over level salt bed.
40.00	Drill a hole 4 ins.square, 12 ins.deep in salt bed, in Which I set a pine stake 2 ft.long, 2 ins.square, 12 ins.deep, with quart of glass for ¼ sec.cor.,marked ¼ S 10 on N.face; and 15 on S.face.
80.00	The cor.of secs.9,10,15, and 16.
	Land, level salt bed. No timber.
	N.0°02'W.bet.secs.9 and 10,
	Over level salt bed.

Chains.	SUBDIVISION OF T. 1 S., R. 18 W.
40.00	Drill a hole 4 ins.square, 12 ins.deep in salt bed, in which I set a pine stake 2 ft.long, 2 ins.square, 12 ins.deep, with quart of glass, for ¼ sec. cor. marked ¼ S 9 on W.face; and 10 on E.face.
80.00	Drill a hole 4 ins.square, 12 ins.deep in salt bed, in which I set a pine stake 2 ft.long, 2 ins.square, 12 ins.deep, with quart of glass, for cor.of secs.3,4,9, and 10, marked T 1 S S 3 on NE. R 19 W S 10 on SE., S 9 on SW., and S 4 on NW.face, with 3 notches on E. and 5 notches on S.edge. Land, level.salt bed. No timber.
	I sight flag set at the cor.of secs.2,3,10, and 11, and run East on a random line bet.secs.3 and 10,
40.00	Set temp.¼ sec.cor.
79.98	Intersect N. and S .line at the cor.of secs.2,3,10, and 11. Thence I run West on a true line bet.secs.3 and 10, Over level salt bed.
39.99	Drill a hole 4 ins.square, 12 ins.in the saltbed, in which I set a pine stake 2 ft.long, 2 ins.square, 12 ins.deep, with quart of glass, for ¼ sec.cor. , marked ¼ S 3 on N.face; and 10 on S.face.
79.98	The cor.of secs.3,4,9, and 10. Land, level salt bed. No timber.
	N:0°02'W.bet.secs.3 and 4, Over level salt bed.

Chains.	
40.00	Drill a hole 4 ins.square, 12 ins.deep in salt bed, in which I set a pine stake 2 ft.long, 2 ins.square, 12 ins.deep, with quart of glass for ¼ sec.cor., marked ¼ S 4 on W.face; and 3 on E.face.
79.78	Intersect Salt Lake Base line 12.65 chs.east of the standard ¼-sec.cor.,section 34 T. 1 N. R.18 W., heretofore described.
	Drill a hole 4 ins.square, 12 ins.deep in the salt bed, in which I set a pine stake 2 ft.long, 2 ins.square, 12 ins.deep, with quart of glass, for closing cor.of secs.3 and 4, marked C C T 1 S R 18 W on S. S 3 on E. and S 4 on W.face, with 3 grooves on E. and W.faces.
	Land, level salt bed.
	No timber. August 18, 1907.

	Aug.20: At 7 h. 33 m.a.m.l.m.t.I set off 40° 41' on lat. arc; 12° 45'N.on decl.arc; and determine a meridian with the solar at the cor.of secs.4,5,32, and 33 on S.bdy.of Tp.,heretofore described.
	Thence I run N.0°03'W.bet.secs.32 and 33,
	Over level salt bed.
40.00	Drill a hole, 4 ins.square, 12 ins.deep in salt bed, in which I set a pine stake 2 ft.long, 2 ins.square, 12 ins.deep, with quart of glass for ¼ sec.cor. , marked ¼ S 32 on W.face; and 33 on E.face.
80.00	Drill a hole 4 ins.square, 12 ins.deep in the salt bed in which I set a pine stake 2 ft.long, 2 ins.square, 12 ins.deep, with quart of glass, for cor.of secs.

SUBDIVISION OF T. 1 S., R. 18 W.

Chains.	
	28,29.32 , and 33, marked T 1 S S 28 on NE. R 18 W S 33 on SE S 32 on SW., and S 29 on NW.face, with 1 notch on S. and 4 notches on E.edge. Land, level salt bed. No timber.
	I sight a flag set at the cor.of secs.27,28,33 and 34, and run East onta random line bet.secs.28 and 33,
40.00	Set temp.$\frac{1}{4}$ sec.cor.
80.00	Intersect N. and S.line at the cor.of secs.27,28,33 and 34. Thence I run West on a true line bet.secs.28 and 33, Over level salt bed.
40.00	Drill a hole 4 ins.square, 12 ins.deep in salt bed, in which I set a pine stake 2 ft.long, 2 ins.square, 12 ins.deep, with quart of glass, for $\frac{1}{4}$ sec.cor. , marked $\frac{1}{4}$ S 28 on N.face; and 33 on S.face.
80.00	The cor.of secs.28,29,32 , and 33. Land, level salt bed. No timber.
	N.0°03'W.bet.secs.28 and 29, Over level salt bed.
40.00	Drill a hole 4 ins.square, 12 ins.deep, in salt bed, in which I set a pine stake 2 ft.long, 2 ins.square, 12 ins.deep, with quart of glass, for $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ S 29 on W.face; and 28 on E.face.
80.00	Drill a hole 4 ins.square, 12 ins.deep in salt bed, in which I set a pine stake 2 ft.long, 2 ins.square,

SUBDIVISION OF T. 1 S., R. 18 W.

Chains. 12 ins.deep,with quart of glass, for cor.of secs.20, 21, 28, and 29, marked

T 1 S S 21 on NE.

R 18 W S 28 on SE.

S 29 on SW., and

S 20 on NW.face; with 4 notches on E. and 2 notches on S.edge.

Land, level salt bed.

No timber.

I sight a flag set at the cor.of secs.21,22,27, and 28, and run

N.89°59'E.on a random line bet.secs.21 and 28,

40.00 Set temp.¼ sec.cor.

79.68 Intersect N. and S.line at the cor.of secs.21,22,27 and 28. Thence I run

S.89° 59'W.on true line bet.secs.21 and 28,

Over level salt bed.

39.00 Drill a hole 4 ins.square, 12 ins.deep in salt bed, in which I set a pine stake 2 ft.long, 2 ins.square, 12 ins.deep, with quart of glass, for ¼ sec.cor.,marked

¼ S 21 on N.face; and 28 on S.face.

79.68 The cor.of secs.20,21,28, and 29.

Land, level salt bed.

No timber.

N.0°03'W.bet.secs.20 and 21,

Over level salt bed.

40.00 Drill a hole 4 ins.square, 12 ins.deep in salt bed, in which I set a pine stake 2 ft.long, 2 ins.square, 12 ins.deep, with quart of glass, for ¼ sec.cor. ,marked

¼ S 20 on W.face; and 21 on E.face.

80.00 Drill a hole, 4 ins.square, 12 ins.deep in salt bed, in

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Chains	
	which I set a pine stake 2 ft.long, 2 ins.square, 12 ins.deep, with quart of glass, for cor.of secs.16,17, 20, and 21, marked T 1 S S 16 on NE. R 18 W S 21 on SE. S 20 on SW., and S 17 on NW .face; with 4 notches on E. and 3 notches on S.edge. Land, level salt bed. No timber.
	I sight a flag set at the cor.of secs.15,16,21, and 22 and run East on a random line bet.secs.16 and 21,
40.00	Set temp.$\frac{1}{4}$ sec.cor.
80.00	Intersect N. and S.line at the cor.of secs.15,16,21, and 22. Thence I run West on a true line bet.secs.16 and 21, Over level salt bed.
40.00	Drill a hole, 4 ins.square, 12 ins.deep in salt bed, in which I set a pine stake 2 ft.long, 2 ins.square, 12 ins.deep, with quart of glass, for $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ S 16 on N.face; and 21 on S.face.
80.00	The cor.of secs.16,17,20, and 21. Land, level salt bed. No timber.
	N.0°03' W.bet.secs.16 and 17, Over level salt bed.
13.56	Telegraph line bears N.88°31'W. and S.88°31' E.
14.06	Western Pacific Ry.track bears N.88° 31'W. & S.88° 31'E.
40.00	Drill a hole 4 ins.square, 12 ins.deep in salt bed, in which I set a pine stake 2 ft.long, 2 ins.square, 12

Chains	
	ins.deep, with quart of glass, for ¼ sec.cor., marked ¼ S 17 on W.face; and 16 on E.face.
80.00	Drill a hole 4 ins.square, 12 ins.deep in the salt bed, in which I set a pine stake 2 ft.long, 2 ins.square, 12 ins.deep, with quart of glass, for cor.of secs.8, 9,16, and 17, marked T 1 S S 9 on NE. R 18 W S 16 on SE. S 17 on SW ., and S 8 on NW.face; with 4 notches on S. and E.edges. Land, level salt bed. No timber. Aug.20: At this cor.I set off 12° 40'N.on decl.arc; and at 0 h.03 m.p.m.l.m.t.observe the sun on the meridian; the resulting lat.is 40° 44'
	I sight a flag set at the cor.of secs.9,10,15, and 16, and run S.89° 59'E.on random line bet.secs.9 and 16,
40.00	Set temp.¼ sec.cor.
80.02	Intersect N. and S.line at the cor.of secs.9,10,15, and 16. Thence I run N.89° 59'W.on true line bet.secs.9 and 16, Over level salt bed.
40.01	Drill a hole 4 ins.square, 12 ins.deep in salt bed, in which I set a pine stake 2 ft.long, 2 ins.square, 12 ins.deep, with quart of glass, for ¼ sec.cor., marked ¼ S 9 on N.face; and 16 on S.face.
80.02	The cor.of secs.8,9,16, and 17. Land, level salt bed. No timber.
	N.0°03'W.bet.secs.8 and 9,

SUBDIVISION OF T. 1 S., R. 18 W.

Chains	
	Over level salt bed.
40.00	Drill a hole 4 ins.square, 12 ins.deep in salt bed, in which I set a pine stake 2 ft.long, 2 ins.square, 12 ins.deep, with quart of glass, for ¼ sec.cor. ,marked ¼ S 8 on W.face; and 9 on E.Face.
80.00	Drill a hole 4 ins.square.12 ins.deep in salt bed, in which I set a pine stake 2 ft.long, 2 ins.square, 12 ins.deep, with quart of glass, for cor.of secs.4,5,8 and 9, marked T 1 S S 4 on NE. R 18 W S 9 on SE. S 8 on SW., and S 5 on NW.Face; with 4 notches on E. and 5 notches on S.edge. Land, level salt bed. No timber.
	I sight a flag set at the cor.of secs.3,4,9, and 10, and run N.89° 59'E.on a random line bet.secs.4 and 9
40.00	Set temp.¼ sec.cor.
80.02	Intersect N. and S.line at the cor.of secs.3,4,9, and 10. Thence I run S.89° 59'W.on true line bet.secs.4 and 9.
	Over level salt bed.
40.01	Drill a hole 4 ins.square, 12 ins.deep in salt bed, in which I set a pine stake 2 ft.long, 2 ins.square, 12 ins.deep, with quart of glass, for ¼ sec.cor.,marked ¼ S 4 on N.face; and 9 on S.face.
80.02	The cor.of secs.4,5,8, and 9.
	Land, level salt bed.
	No timber.

Chains. N.0° 03'W.bet.secs.4 and 5,

Over level salt bed, which gradually grows thinner as we go north.

40.00 Deposit a quart of glass 12 ins.in the ground for ¼ sec.cor.; dig pits 18x18x12 ins.N. and S.of cor.4 ft. dist.; and raise a mound of earth 3½ ft.base, 1½ ft. high over deposit.

In S.pit drive a pine stake 2 ft.long, 2 ins.square,12 ins.in the ground, marked

¼ S 5 on W.face; and 4 on E.face.

79.80 Intersect Salt Lake Base line 12.65 chs.E.of standard ¼ sec.cor.sec. 33, heretofore described.

Deposit a quart of glass, 12 ins.in the ground for closing cor.of secs.4 and 5; dig pits 24x18x12 ins. crosswise on each line S.E.and W.of cor.4 ft.dist.; and raise a mound of earth 4 ft.base, 2 ft.high over deposit.

In E.pit drive a pine stake 2 ft.long, 2 ins.square, 12 ins.in the ground marked

C C T 1SSR 18 W on S.

S 4 on E., and

S 5 on W.face, with 4 grooves on E. and 2 grooves on W.face.

Salt a mere scale here.

Land, level.

Soil, alkaline with thin scale of salt.

No timber.

Aug.20, 1907.

Aug. 21: At 7 h.33 m.a.m.l.m.t.I set off 40° 41' on lat. arc; 12° 26'N.on decl.arc; and determine a meridian with the solar at the cor.of secs.5,6,31, and 32 on S.bdy.of Tp., heretofore described. Thence I run

SUBDIVISION OF T. 1 S., R. 18 W.

Chains	
	N.0°04'W.bet.secs.31 and 32,
	Over level salt bed.
40.00	Drill a hole 4 ins.square, 12 ins.deep in salt bed, in which I set a pine stake 2 ft.long, 2 ins.square,12 ins.deep, with quart of glass, for ¼ sec.cor.,marked ¼ S 31 on W.face; and 32 on E.face.
80.00	Drill a hole 4 ins.square, 12 ins.deep in salt bed, in which I set a pine stake 2 ft.long, 2 ins.square, 12 ins.deep. with quart of glass, for cor.of secs.29.30 31, and 32, marked T 1 S S 29 on NE. R 18 W S 32 on SE S 31 on SW. , and S 30 on NW.face; with 1 notch on S.and 5 notches on E.edge.
	Land, level salt bed.
	No timber.
	I sight a flag set at the cor.of secs.28,29,32, and 33 and run
	East on a random line bet.secs.29 and 32,
40.00	Set temp ¼ sec cor.
80.00	Intersect N. and S.line at the cor.of secs.28,29,32,and 33. Thence I run
	West on a true line bet.secs.29 and 32,
	Over level salt bed,
40.00	Drill a hole 4 ins.square, 12 ins.deep in salt bed, in which I set a pine stake 2 ft.long, 2 ins.square, 12 ins.deep, with quart of glass, for ¼ sec.cor.,marked ¼ S 29 on N.face; and 32 on S.face.
80.00	The cor.of secs.29,30,31, and 32.
	Land, level salt bed.
	No timber.

[illegible]

10.00 [illegible] at the cor. of secs. 29, 30, 31, and 32.

[illegible]

[illegible] on random line bet. secs. 30 and 31.

[illegible]

[illegible] at the cor. of secs. 29, 30, 31, and 32, [illegible]

[illegible] line bet. secs. 30 and 31.

[illegible] soil [illegible].

[illegible] Set a post 4 ins. square, 12 ins. long in soil bet. in which I set a pine stake 3 ft. long, 2 ins. square, 18 ins. deep, with quart of stone, for 1/4 sec. cor., marked 1/4 S [illegible] on N. face; and 31 on S. face.

[illegible] The cor. of secs. 29, 30, 31, and 32.

Soil, level; [illegible].

[illegible]

[illegible] bet. secs. 29 and 30

[illegible] soil [illegible].

[illegible] Set a post 4 ins. square, 12 ins. long in soil bet. in which I set a pine stake 3 ft. long, 2 ins. square, 18 ins. deep, with quart of stone, for 1/4 sec. cor., marked 1/4 S [illegible] on W. face; and 29 on E. face.

[illegible] Set a post, 4 ins. square, 12 ins. long in soil bet. in which I set a pine stake 3 ft. long, 2 ins. square, 18 ins. deep, with quart of stone, for cor. of secs. 19, 20, 29, and 30, marked

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

Soil, level; [illegible].

[illegible]

SUBDIVISION OF T. 1 S. R. 18 W.

Chains.	
	I sight a flag set at the cor.of secs.20,21,28, and 29, and run
	East on a random line bet.secs.20 and 29,
40.00	Set temp.$\frac{1}{4}$ sec.cor.
79.98	Intersect N. and S.line at the cor.of secs.20,21,28, and 29. Thence I run
	West on a true line bet.secs.20 and 29,
	Over level salt bed.
39.99	Drill a hole 4 ins.square, 12 ins.deepin salt bed, in which I set a pine stake 2 ft.long, 2 ins.square,12 ins.in the ground, marked
	$\frac{1}{4}$ S 20 on N.face; and 29 on S.face.
79.98	The cor.of secs.19,20,29, and 30.
	Land, level salt bed.
	No timber.
	I sight a flag set at the cor.of secs.19,24,25, and 30, and run
	West on a random line bet.secs.19 and 30,
40.00	Set temp.$\frac{1}{4}$ sec.cor.
77.33	Intersect W.bdy.of Tp.at the cor.of secs.19,24,25, and 30, heretofore described. Thence I run
	East on a true line bet.secs.19 and 30,
	Over level salt bed.
37.33	Drill a hole 4 ins.square, 12 ins.deep in salt bed, in which I set a pine stake 2 ft.long, 2 ins.square, 12 ins.deep, with quart of glass, for $\frac{1}{4}$ sec.cor.,marked
	$\frac{1}{4}$ S 19 on N.face; and 30 on S.face.
77.33	The cor.of secs.19,20,29, and 30.
	Land, level salt bed.
	No timber.
	N.0°04'W.bet.secs.19 and 20,

[illegible] OF T. 1 S., R. 18 W.

Chains. Over level salt bed.

[illegible] Drill a hole 4 ins.square, 12 ins.deep in salt bed, in which I set a pine stake 2 ft.long, 2 ins.square, 12 ins.deep, with quart of glass, for ¼ sec.cor. ,marked ¼ S 19 on W.face; and 20 on E.face.

[illegible] Drill a hole 4 ins.square, 12 ins.deep in salt bed,in which I set a pine stake 2 ft.long, 2 ins.square,12 ins.deep, with quart of glass, for cor.of secs.17,18, 19, and 20, marked

T 1 S S 17 on NE.

R 18 W S 20 on SE.

S 19 on SE., and

S 17 on NW .face; with 5 notches on E. and 3 notches on S.edge..

Land, level salt bed.

No timber.

Aug.21: At this cor.I set off 12° 20'W.on decl.arc; and at 0 h.03. p.m.l.m.t.observe the sun on the meridian; the resulting lat.is 40° 43'

I sight a flag set at the cor.of secs .16,17,20, and 21 and run

S.80° 50'E.on random line bet.secs.17 and 20,

[illegible] Set temp.¼ sec.cor.

[illegible] Intersect W. and S.line at the cor.of secs.16,17,20,and 21. Thence I run

N.80° 50'W.on true line bet.secs.17 and 20,

Over level salt bed.

[illegible] Drill a hole 4 ins.square, 12 ins.deep in salt bed,in which I set a pine stake 2 ft.long, 2 ins.square, 12 ins.deep, with quart of glass, for ¼ sec.cor.,marked ¼ S 17 on S.face; and 20 on S.face.

[illegible] The cor.of secs.17,18,19, and 20.

SUBDIVISION OF T. 1 S., R. 18 W.

Chains.	Land, level salt bed.
	No timber.
	I sight a flag set at the cor.of secs.13,18,19, and 24 and run
	S.89° 59'W.on random line bet.secs.18 and 19,
40.00	Set temp.¼ sec.cor.
77.22	Intersect W.bdy.of Tp.at the cor.of secs.13,18,19, and 24, heretofore described. Thence I run
	N.89° 59'E.on true line bet.secs.18 and 19,
	Over level salt bed.
37.22	Drill a hole 4 ins.square, 12 ins.deep in salt bed, in which I set a pine stake 2 ft.long, 2 ins.square,12 ins.deep, with quart of glass, for ¼ sec.cor.,marked ¼ S 18 on N.face; and 19 on S.face.
77.22	The cor.of secs.17,18,19, and 20.
	Land, level salt bed.
	No timber.
	N.0°04'W.bet.secs.17 and 18,
	Over level salt bed.
15.68	Telegraph line bears N.88° 31'W.and S.88°31'E.
16.18	Western Pacific Ry. bears N.88° 31'W. and S.88°31'E.
40.00	Drill a hole 4 ins.square, 12 ins.deep in salt bed, in which I set a pine stake 2 ft.long, 2 ins.square, 12 ins.deep. with quart of glass, for ¼ sec.cor.,marked ¼ S 18 on W.face; and 17 on E.face.
80.00	Drill a hole 4 ins.square, 12 ins.deep in salt bed,in which I set a pine stake 2 ft.long, 2 ins.square, 12 ins.deep, with quart of glass, for cor.of secs.7,8, 17, and 18, marked
	T 1 S S 8 on NE.
	R 18 W S 17 on SE.

SUBDIVISION OF T. 1 S., R. 18 W.

Chains.	
	S 18 on SW ., and S 7 on NW.face; with 4 notches on S. and 5 notches on E.edge. Land, level salt bed. No timber.
	I sight a flag set at the cor.of secs.8,9,16, and 17, and run East on a random line bet.secs.8 and 17
40.00	Set temp.$\frac{1}{4}$ sec.cor.
80.00	Intersect N. and S.line at the cor.of secs.8,9,16, and 17. Thence I run West on a true line bet.secs.8 and 17, Over level salt bed.
40.00	Drill a hole 4 ins.square, 12 ins.deep,in salt bed, in which I set a pine stake 2 ft.long, 2 ins.square, 12 ins.deep, with quart of glass, for $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ S 8 on N.face; and 17 on S.face.
80.00	The cor.of secs.7,8,17, and 18. Land, level salt bed. No timber.
	I sight a flag set at the cor.of secs.7,12,13 and 18, and run West on a random line bet.secs.7 and 18,
40.00	Set temp.$\frac{1}{4}$ sec.cor.
77.12	Intersect W.bdy.of Tp.at the cor.of secs.7,12,13, and 18, heretofore described. Thence I run East on a true line bet.secs.7 and 18, Over level alkali land.
37.12	Deposit a quart of glass, 12 ins.in the ground, for $\frac{1}{4}$ sec.cor.; dig pits 18x18x12 ins.E. and W.of cor.4 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft.base, $1\frac{1}{2}$ ft.

SUBDIVISION OF T. 1 S., R. 18 W.

Chains.	
	high over deposit.
	In E.pit drive a pine stake 2 ft.long, 2 ins.square, 12 ins.in the ground, marked
	$\frac{1}{4}$ S 7 on N.face; and 18 on S.face.
42.12	Leave alkali land, enter salt land bearing N.40° E. and S.40° W.
77.12	The cor.of secs.7,8,17, and 18.
	Land, level.
	Soil, alkaline 3d rate; land salt bed.
	No timber.

N.0°04'W.bet.secs.7 and 8,

	Over level salt bed, which grows thin as we go north.
40.00	Deposit a quart of glass 12 ins.in the ground, for $\frac{1}{4}$ sec.cor.; dig pits 18x18x12 ins.N. and S.of cor.4 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft.base, $1\frac{1}{2}$ ft. high over deposit.
	In S.pit drive a pine stake 2 ft.long 2 ins.square, 12 ins.in the ground, marked $\frac{1}{4}$ S 7 on W.face;8 on E.face.
	Leave salt;enter alkali land,bears N.45°E.& S.45°W.
80.00	Deposit a quart of glass, 12 ins.in the ground for cor. of secs.5,6,7, and 8, dig pits 18x18x12 ins.in each sec. 4 ft.dist., and raise a mound of earth 4 ft.base 2 ft.high over deposit.
	In SE.pit drive a pine stake 2 ft.long, 2 ins.square, 12 ins.in the ground, marked
	T 1 S S 5 on NE.
	R 18 W S 8 on SE.
	S 7 on SW., and
	S 6 on NW.face; with 5 notches on S. and E.edges.
	Land, level.
	Soil, alkali 3d rate; and salt bed.
	No timber.

SUBDIVISION OF T. 1 S., R. 18 W.

Chains. I sight a flag set at the cor.of secs.4,5,8, and 9, and run

S.89° 58'E.on random line bet.secs.5 and 8,

40.00 Set temp.¼ sec.cor.

80.00 Intersect N. and S.line at the cor.of secs.4,5,8, and 9. Thence I run

N.89°58'W.on true line bet.secs.5 and 8,

Over level salt bed, which grows thinner as we go west.

40.00 Drill a hole 4 ins.square, 12 ins.deep in salt bed, in which I set a pine stake 2 ft.long, 2 ins.square, 12 ins.deep, with quart of glass, for ¼ sec.cor.,marked

¼ S 5 on N.face; and 8 on S.face.

50.00 Leave salt;bears N.43° E. and S.43° W.; enter alkali land.

80.00 The cor.of secs.5,6,7, and 8.

Land, level.

Soil, alkali 3d rate. and salt bed.

No timber.

I sight a flag set the cor.of secs.1,6.7, and 12, and run,

S.89° 57'W.on random line bet.secs.6 and 7,

40.00 Set temp.¼ sec.cor.

77.03 Intersect the W.bdy.of Tp.at the cor.of secs .1,6,7, and 12, heretofore described. Thence I run

N.89° 57'E.on true line bet.secs.6 and 7,

Over level alkali land.

37.03 Deposit a quart of glass, 12 ins.in the ground, for ¼ sec.cor.; dig pits 18x18x12 ins.N. and W.of cor. 4 ft. dist.; and raise a mound of earth 3½ ft.base, 1½ ft. high over deposit.

In E.pit drive a pine stake 2 ft.long, 2 ins.square, 12 ins.in the ground, marked

¼ S 6 on N.face; and 7 on S.face.

SUBDIVISION OF T. 1 S., R. 18 W.

Chains.	
77.03	The cor.of secs.5,6,7, and 8. Land, level. Soil, alkaline; 3d rate. No timber.
	N.0°04'W.bet.secs.5 and 6, Over level alkali land.
40.00	Deposit a quart of glass, 12 ins.in the ground, for ¼ sec.cor.; dig pits 18x18x12 ins.N. and S.of cor.4 ft. dist.; and raise a mound of earth 3½ ft.base, 1½ ft. high over deposit. In S.pit drive a pine stake 2 ft.long, 2 ins.square, 12 ins.in the ground, marked ¼ S 6 on W.face; and 5 on E.face.
79.93	Intersect Salt Lake Base line 12. 62 chs.E.of standard ¼ sec.cor.sec.32, heretofore described. Deposit a quart of glass, 12 ins.in the ground, for closing cor.of secs.5 and 6; dig pits 24x18x12 ins. crosswise on each line S., E., and W.of cor.4 ft.dist. and raise a mound of earth 4 ft.base, 2 ft.high over deposit. In E.pit drive a pine stake 2 ft.long, 2 ins.square, 12 ins.in the ground, marked C C T 1 S R 18 W on S. S 5 on E., and S 6 on W.face; with 5 grooves on E. and 1 groove on W.face. Land, level. Soil, alkaline; 3d rate. No timber. Aug.21, 1907.

GENERAL DESCRIPTION T. 1 S., R. 18 W.

This township is one vast level tract of alkali land, entirely destitute of vegetation; and, save a small portion in the northwest corner embracing about four sections, is covered with salt of snow whiteness, and apparently very pure.

The salt is usually very thin at the edge where we first enter the township, but soon becomes thicker. Just what depth it attains is to me unknown, but in a number of places where excavations were made it exceeded four and one-half feet in thickness.

The surface has much the appearance of a frozen lake; and on first stepping on to it, one finds himself intuitively bracing his feet and stepping with the greatest care lest he slip. This precaution, however, he soon finds unnecessary, as his shoes adhere to the surface until he could not slip if he tried.

By moonlight it is a most beautiful sight, one vast tract of glittering white; one would think an ideal place for a sleighride; but again he soons finds that a sleigh will not slip as on snow or ice.

In texture it is quite hard; a strong man can scarcely drive a pick inti it an inch; and in driving over it, the horses hoofs ring as they do on a cement pavement.

The surface is often covered with water from an inch to a foot or more in depth; clear as crystal, and of course saturated with salt. This stands still if there is no wind; otherwise drifts about until the water evaoprates and the salt left on the surface.

This salt bed occupies a low sag in the desert that during the past ages has been filled up by the salt that has been brought there in solution by the highly impregnated water flowing in from the gently sloping surrounding country.

GENERAL DESCRIPTION T. 1 S., R. 18 W.

While the thermometer registers 100° in the shade and the air is hot and suffocating, the surface of the salt is comparatively cool, affecting the surrounding country as a large body of water does. It becomes heated and gives off it heat much more slowly than the land. Mirage so affects the vision that one can scarcely believe his eyes.

Many dead birds and carcasses of wild animals were found scattered over the salt and alkali flats.

There is no vegetable life; but little animal life; and no evidence of human existence on the township, except the Westrn Pacific Ry. and buildings used in connection therewith.

Arnzo J. Stookey.
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:

For list of names and final affidavits of assistants see book, *Chainman.*

"Z4" T. 1 N., R. 16 W. ....., *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 ....., 190

SEAL

.....

.....

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BOOK A-3

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 ....., 190 , 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 .....

For final affidavit see book "Z4" T. 1 N., R. 16 W.

..... 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.

United States Deputy Surveyor.

Subscribed by said ....., and sworn to before me this ..... day of ....., 190

SEAL

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, May 8, 1908.

The foregoing field notes of the survey of the subdivisional lines of Township No.1 South, Range No.18 West of the Salt Lake Base and Meridian, Utah,

executed by Alonzo J.Stookey under his contract No. 296, dated March 21, 1907, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Thomas Hall

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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