Volume

# #

R0315

BOOK A-315

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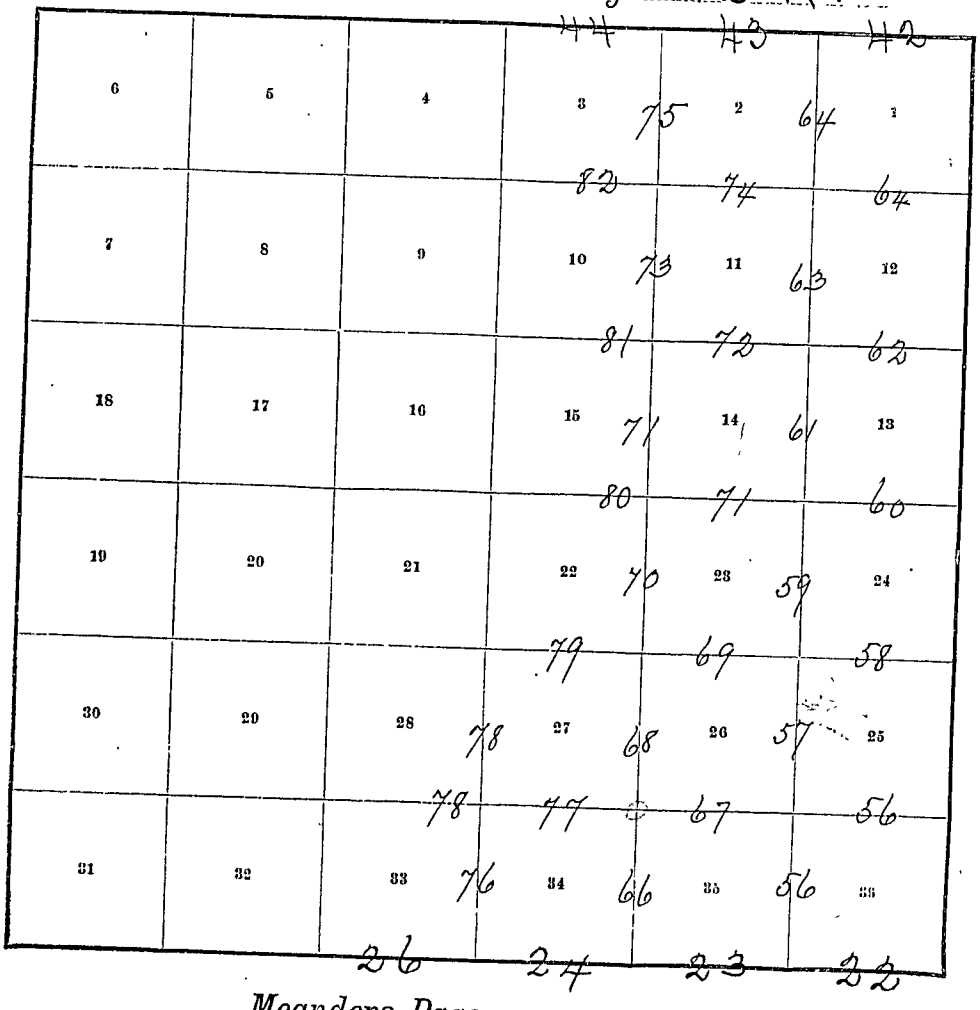

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PRELIMINARY OATHS OF ASSISTANTS.

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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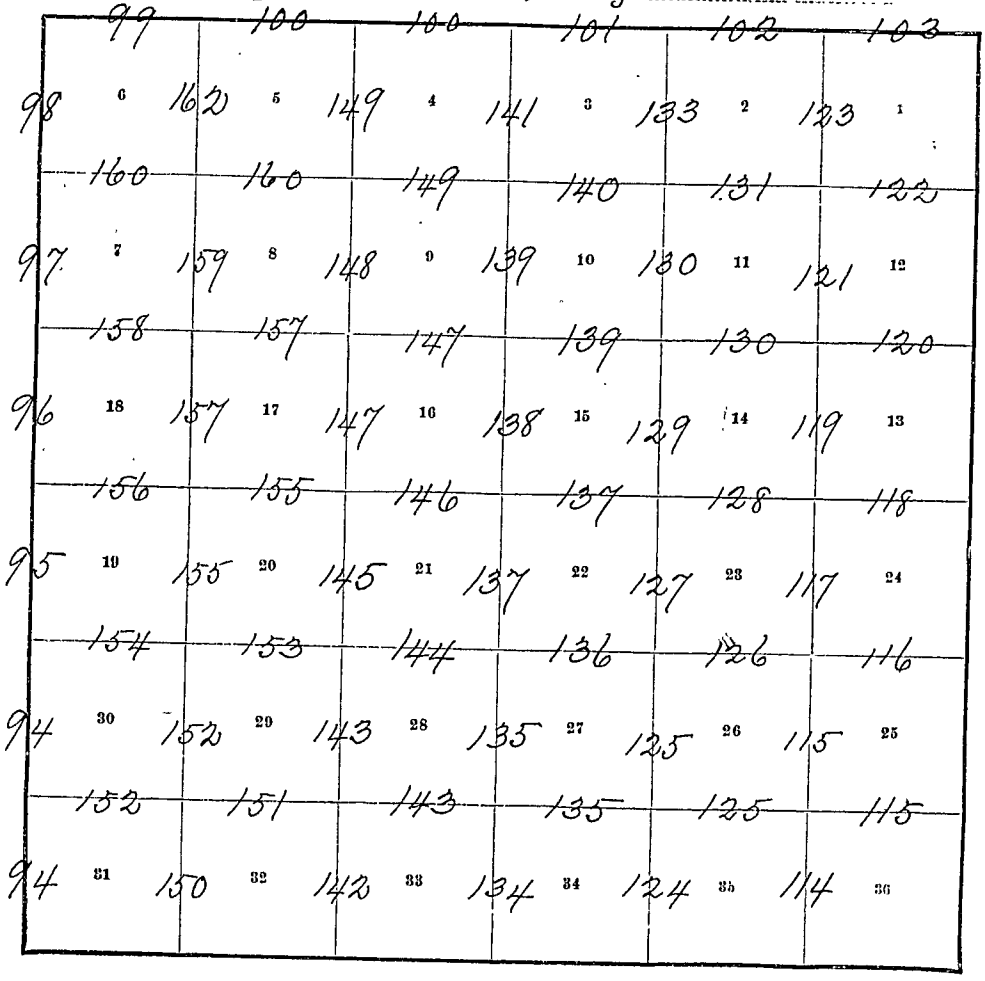
INDEX DIAGRAM.

Township 3 S., *Range* 11 W.



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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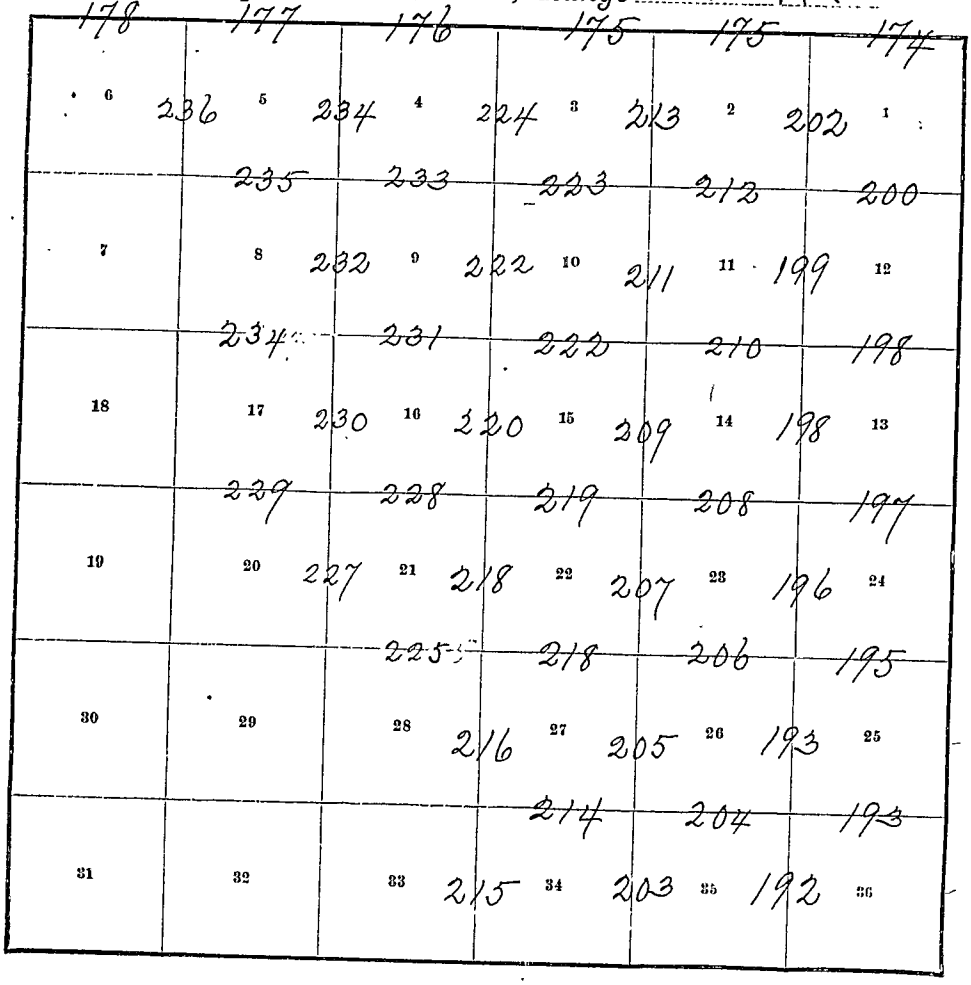
INDEX DIAGRAM.

Township 3 S., *Range* 12 W.



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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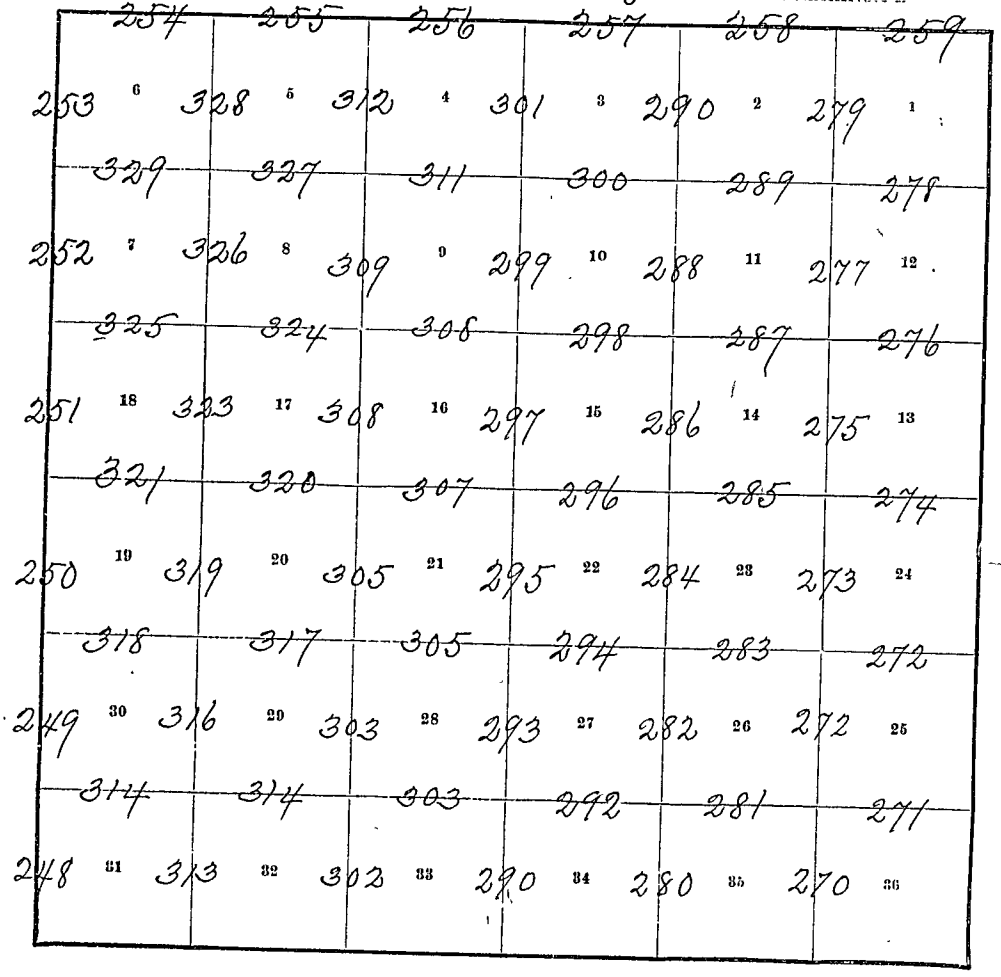
Township 2 S., *Range* 11 W.



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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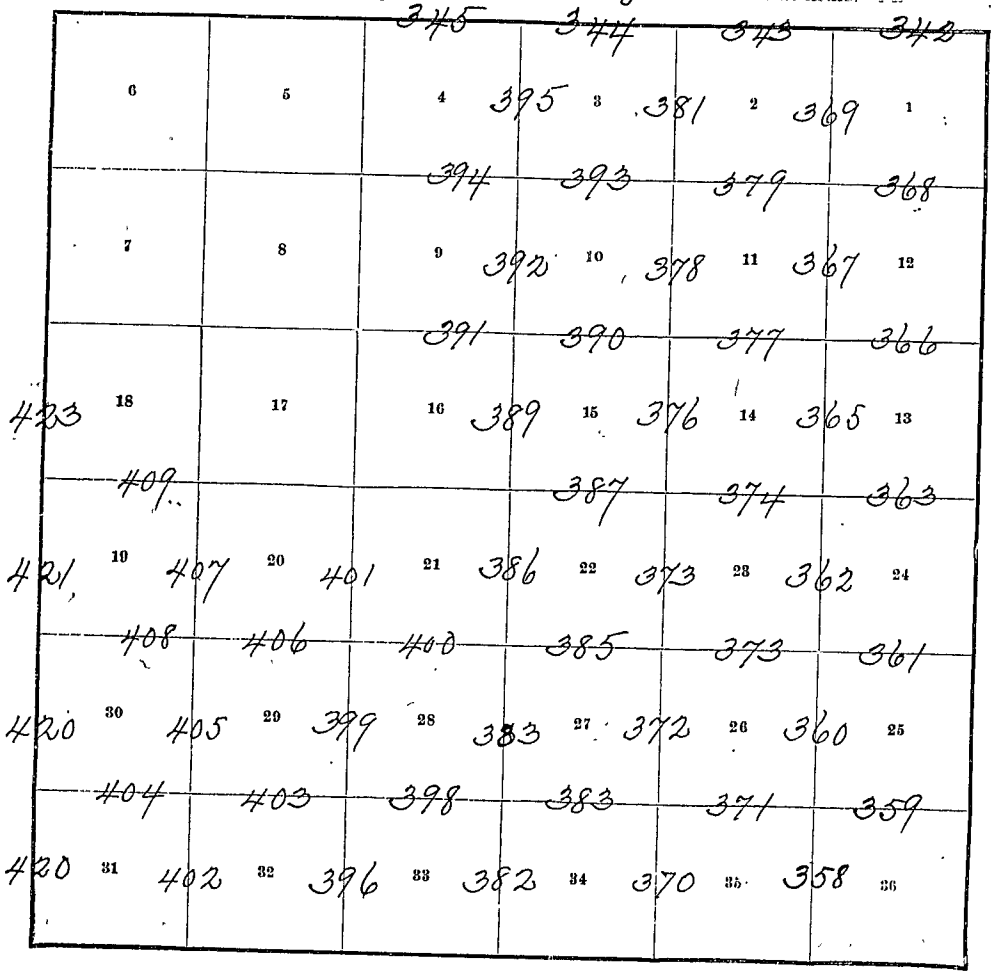
Township 2 S., *Range* 12 W.



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

_____

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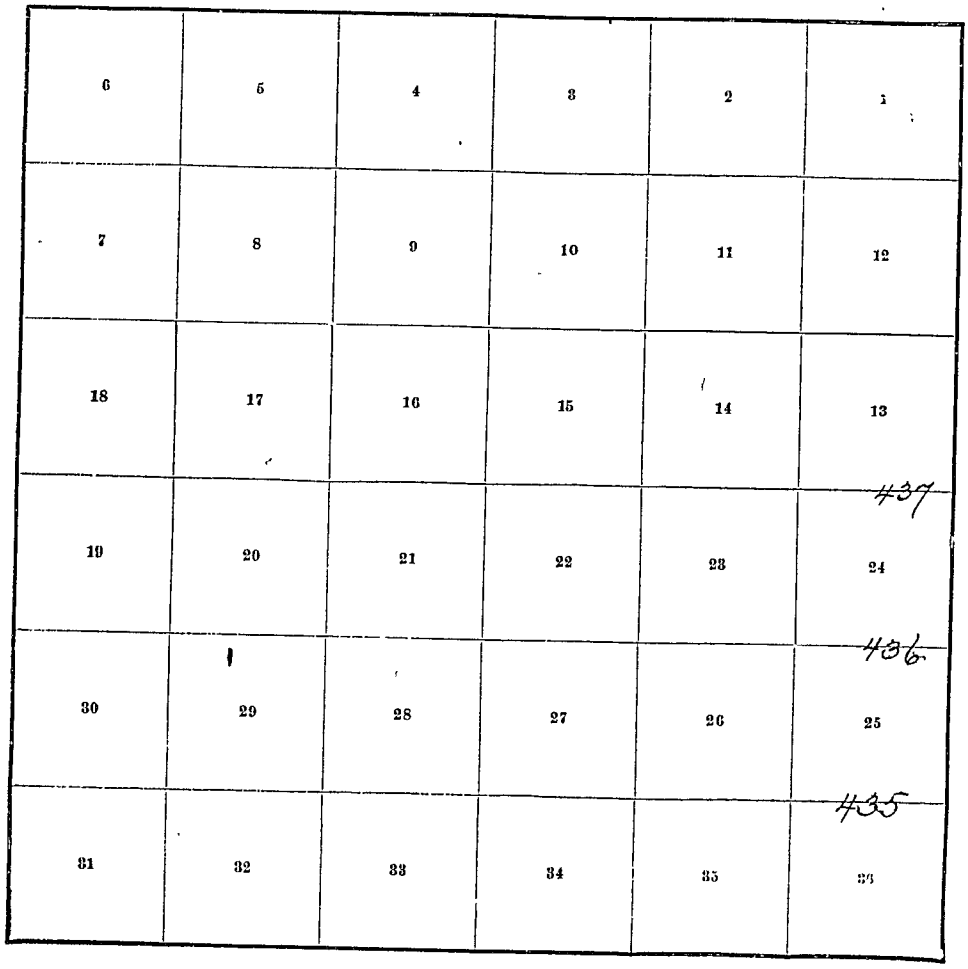

Meanders Page

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

. .

Mounsman.

Mounsman.

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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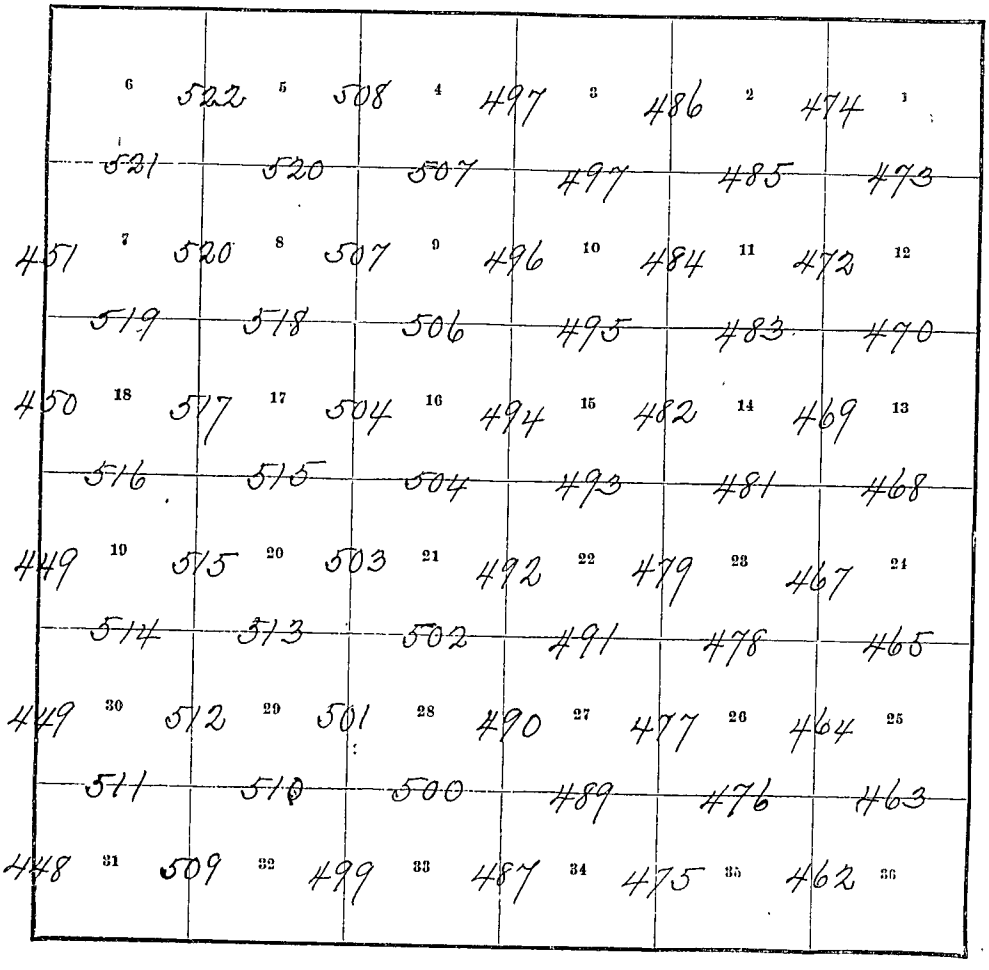

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PRELIMINARY OATHS OF ASSISTANTS.

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 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 _____

_____, *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

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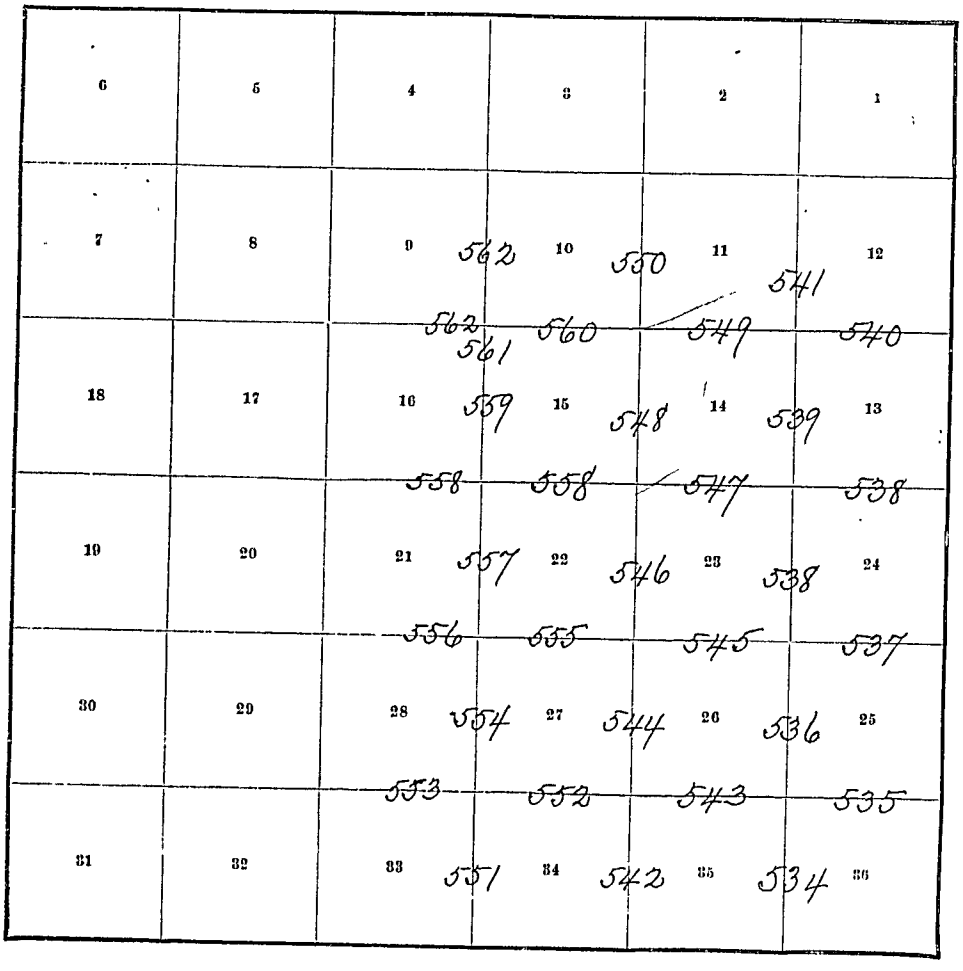

Meanders Page

PRELIMINARY OATHS OF ASSISTANTS.

WE, ... and

do solemnly swear that we will well and faithfully execute the duties of chainmen, that we [illegible] the chain upon even and uneven ground, and plumb the tally pins, either by [illegible] dropping [illegible]; that we will report the true distances to all notable objects, and the true length of [illegible] that [illegible] measuring, to the best of our skill and ability, and in accordance with instructions given us [illegible]

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 [illegible] of corners, according to the instructions given us, to the best of our skill [illegible]

[illegible]

[illegible]

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

[illegible]

[illegible]

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-315

A.

FILED

OCT 25 1904

FIELD NOTES

OF THE SURVEY OF THE

First Standard
Parallel South
through
Range No. 12 West

Of the Uintah Special Base and Meridian,
In the State of Utah.

AS SURVEYED BY

James M. Lentz, United States Deputy Surveyor,

Under his Contract No. 280, dated July 22nd, 1903

Survey commenced June 8, 1904

Survey completed " 9, 1904.

6—151

Length 3. 14. 12
Closing 6. 24

NAMES AND DUTIES OF ASSISTANTS.

Jos. P. Carlson	Chairman
William Longnecker	"
Oliver H. Lemart	"
Ismael M. Ballard	"
Lawrence Swan	Moundsman
Dellis A. McBride	"
John R. Carroll	Adman
Lawrence Swan	"
David J. Markrank	Flagman

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BOOK A-315

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Meanders Page.....

PRELIMINARY OATHS OF ASSISTANTS.

Joseph Carlson _____ Oliver W. Lemar

WE, William Longnecker and Samuel M. Ballard.

do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain over even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of 1st Standard Parallel South through Range No. 12 West, Uintah Special Base and Meridian State of Utah.

Joseph Carlson — William Longnecker, Chainman.

Oliver W Lemar — Samuel M Ballard, Chainman.

Subscribed and sworn to before me this 7th day of June, 1904.

SEAL

James M Lewis, U.S. Deputy Surveyor.

WE, Lawrence Swan and Dexter A. McBride

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 1st Standard Parallel South through Range No. 12 West, Uintah Special Base and Meridian State of Utah.

Lawrence Swan, Moundman.

Dexter A McBride, Moundman.

Subscribed and sworn to before me this 7th day of June, 1904.

SEAL

James M Lewis, U.S. Deputy Surveyor.

WE, John N. Carroll and Lawrence Swan

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 1st Standard Parallel South through Range No. 12 West, Uintah Special Base and Meridian State of Utah.

John N. Carroll, Axman.

Lawrence Swan, Axman.

Subscribed and sworn to before me this 7th day of June, 1904.

SEAL

James M Lewis, U.S. Deputy Surveyor.

I, David J. Markham, 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 1st Standard Parallel South through R. 12 W. Uintah Special Base and Meridian State of Utah.

David J. Markham, Flagman.

Subscribed and sworn to before me this 7th day of June, 1904.

SEAL

James M Lewis, U.S. Deputy Surveyor.

6—151

Survey commenced June 8, 1904, and executed with a W. and L.E.Gurley light mountain transit No. with solar attachment. The horizontal limb is provided with two double verniers placed opposite to each other, reading to single minutes of arc, which is also the least count of the 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, September 19,1903.

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

At the standard cor.of Tp.4 S., Rgs.11 and 12 W.; lat. 40°05'38" N.; long.111°12'46" W., which is a sandstone 12x6x7 ins.above ground, firmly set and marked and witnessed as described by Deputies Page and Kershaw under their contract No.279, I set off 40°05½ N. on lat.arc;22°53½'N.on decl.arc; and at 4 h.p.m.l.m.t. determine a true meridian with the solar, and mark a point thereof on a stone firmly set in the ground, 5 chs.N.of my station.

At 8 h. 16 m.p.m.l.m.t.I observe Polaris at lower culmination in accordance with the Manual of Instructions, and mark the meridian thus determined, by cutting a small groove in the stone set this date, on which the meridian falls 0.2 ins.E.of the mark determined by the solar.

June 8, 1904.

June 9, 1904: At 7 h.a.m.l.m.t.I set off 40°05'N.on lat.arc; 22°57'N.on decl.arc; and determine a true

Chains.	
	meridian with the solar; the meridian thus determined falls 0.1 ins.E.of the groove cut in the stone to mark the meridian determined by observation on Polaris.
	The solar apparatus by p.m.and a.m.observations defines positions for the meridians, respectively about 10" W. and 5" E.of the meridian established by the Polaris observation; therefore I conclude that the adjustments of the instrument are satisfactory.
	The magnetic bearing of the true meridian at 7 h.30m. a.m.l.m.t.is N.16°45'W.; the angle thus determined gives the magnetic decl.16°45'E.
	From standard corner above described, I run
	West on S.bdy.of sec.36,
	Ascending through heavy aspen and dense chokecherry.
6.00	Top of spur bears W. and SE. Along spur, through scattering aspen.
	Difference bet.measurements of 40.00 chs.by two sets of chainmen is 3 lks.; position of middle point,
	By 1st set 40.01½ chs.
	By 2d set 39.98½ chs., the mean of which is
40.00	Set an aspen post 3 ft.long, 3 ins.sq., 24 ins.in the ground for standard ¼ sec.cor.,mkd.S C ¼ 36 on N.face; from which
	An aspen 6 ins.diam.bears N.20°W. 29 lks.dist. marked S C ¼ S 36 B T
	No other trees within limits; dig pits 18x18x12 ins.E. and W.of post 3 ft.dist.; and raise a mound of earth 3½ ft.base 1½ ft.high N.of cor.
44.00	Top of spur 400 ft.above sec.cor., projects N.
	Descend.
48.00	Enter heavy aspen timber bears N. and S.
54.50	Ravine 300 ft.deep, course N.10°W.
	Ascend.

Chains.	
57.00	Saddle in ridge, bearing N. and S., bears N.60°E. and SW.
	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 2nd set 79.99 chs., the mean of which is
80.00	Set a limestone 20x10x3 ins., 15 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 stone 2 ft.base 1½ ft.high N.of cor.
	Land mountainous.
	Soil stony; 3d and 4th rate.
	Timber aspen.
	Mountainous land 80.00 chs.

West on S.bdy.of sec.35,

	Descend over mountainous land.
3.10	Dense scrub aspen bears N. and S.
11.10	Creek 4 lks.wide in ravine 300 ft.deep, course NW.
	Ascend.
22.00	Top of spur projects N.; descend.
32.00	Leave aspen, bears NE. and SW.
34.00	Enter dense willows, bear NE. and SW.
35.86	Fork of Indian Creek, 7 lks.wide, in bottom of ravine, 250 ft.deep, course NE.
	Ascend along N.side of draw.
36.00	Leave willows bear NE. and SW.
37.48	Wagon road bears NE. and SW.
	Difference between measurements of 40.00 chs.by two sets of chainmen is 4 lks.; position of middle point
	By 1st set 40.02 chs.
	By 2d set 39.98 chs.; the mean of which is
40.00	Set a sandstone 20x8x6 ins.,15 ins.in the ground, for

Chains.	
	standard 1/1 sec.cor.,marked S C 1/4 on N.face; and raise a mound of stone 2 ft.base, 1½ ft.high N.of cor.
58.50	Enter grove of small aspen, bears N.40°E. and S.40°W.
59.50	Leave aspen bears N.40°E. and S.40°W.
62.00	Enter small aspen bear N. and S.
64.00	Leave aspen bear N. and S.
65.00	Descend.
75.00	Draw 50 ft.deep, course S.80°E. Ascend.
	Enter scattering aspen bears N. and S.
79.00	Spur projects N. Descend.
	Difference bet.measurements of 80.00 chs.by two sets of chainmen is 4 lks.; position of middle point,
	By 1st set 80.02 chs.
	By 2d set 79.98 chs., the mean of which is
80.00	Set a sandstone 14x8x6 ins., 9 ins.in the ground for standard cor.to secs.34 and 35, marked S C on N., with 2 grooves on E. and 4 grooves on W.face; from which
	An aspen 4 ins.diam.bears N.79°E. 46 lks.dist. marked T 4 S R 12 W S 35 B T
	An aspen 10 ins.diam.bears N.65°W.79 lks.dist. marked T 4 S R 12 W S 34 B T
	Land mountainous.
	Soil gravelly; 4th rate.
	Timber aspen.
	Mountainous land 80.00 chs.
	June 9, 1904: I set off 22°57'E.on decl.arc; and at 11 h 59 m.a.m.l.m.t. observe the sun on the meridian; the resulting lat.is 40°05½'N., or within 1' of the proper lat.

West on the south boundary of sec.34,

Descending through scattering aspen.

Chains.	
6.00	Draw course NE.
	Ascend.
8.00	Leave scattering aspen; enter dense young aspen, bears NE. and SW.
27.00	Spur 200 ft.above sec.cor.,. projects NE.
	Descend.
	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	Set a sandstone 12x7x6 ins., 8 ins.in the ground,for standard ¼ sec.cor., marked S C ¼ on N.face; from which
	An aspen 10 ins.diam.bears N.80°W. 25 lks. dist., marked S C ¼ S 34 B T
	No other trees within limits; raise a mound of stone 2 ft.base, 1½ ft.high N.of cor.
42.00	Leave aspen bears N. and S.
45.00	Creek 2 lks.wide, in bottom of ravine 300 ft.deep, course N. Ascend.
49.00	Enter aspen and scattering pine timber bears S. and NW.
	Difference between measurements of 80.00 chs.by two sets of chainmen is 5 lks.; position of middle point
	By 1st set 80.02½ chs.
	By 2d set 79.97½ chs., the mean of which is
80.00	An aspen 4 ins.diam.for standard cor.of secs.33 and 34, which I mark,
	S C T 4 S R 12 W on N.
	S 34 on E., and
	S 33 on W.side, with 3 notches on E.and W. sides; from which
	An aspen 5 ins.diam.bears N.59°E.13 lks.dist. marked T 4 S R 12 W S 34 B.T
	An aspen 4 ins.diam.bears N.36°W. 8 lks.dist.

Chains.

marked T 4 S R 12 W S 33 B T

Land mountainous.

Soil stony; 3rd rate.

Timber small aspen and pine.

Mountainous land 80.00 chs.

West on S.bdy.of sec.33,

Ascending through dense young aspen and chokecherry.

10.00 Leave aspen, bears N. and S.

Difference between measurements of 14.12 chs.by two sets of chainmen is 8 lks.; position of middle point

By 1st set 14.16 chs.

By 2d set 14.02 chs., the mean of which is

14.12 Intersect West Bdy.of Uintah Indian Reservation,

Set a limestone 14x14x8 ins., 10 ins.in the ground,for standard closing cor.for Tps.4 and 5 S., R. 12 W.; marked S C with 6 grooves on N. and S.; C C U I R on E.& P L on W.face; dig pits 30x24x12 ins.crosswise on each line N.37°30'W.and S.37°30'E.4 ft.dist.; and E.of stone 8 ft.dist.; and raise a mound of earth 5 ft.base 2½ ft.high E.of cor.

The No.114th mile cor., as established by Deputies A.H. and F.M.Brown, bears S.37°30'E. 6.24 chs.

Land mountainous.

Soil gravelly; 3rd rate.

Timber aspen.

Mountainous land, covered with heavy growth of young timber and dense undergrowth 14.12 chs.

June 9, 1904.

For general description see subdivision of this township.

James M Lentz

U.S.Deputy Surveyor.

Void
See p. 21

Survey commenced June 8, 1904, and executed with a W.and L.E. Gurley light mountain transit No. ·, with solar attachment. The horizontal limb is provided with two double verniers placed opposite to each other reading to single minutes of arc, which is also the least count of the verniers of the latitude and declination arcs.

The instrument was examined, tested on the true meridian at Salt Lake City, found correct, and was approved by the Surveyor General, September 19. 1903.

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

At the standard cor. of Tp. 4 S., Rgs. 11 and 12 W., lat. 40°05'28''N., long. 111°12'46''W., which is a sandstone 6x12x7 ins. above ground, firmly set and marked and witnessed as described by Deputies Page and Kershaw,under their contract No. 279. I set off 40°05½'N. on lat. arc, 22°57½'N. on decl. arc, and at 4h. p.m. l.m.t. determine a true meridian with the solar, and mark a point thereof on a stone firmly set in the ground 5 chs. N. of my station.

At 8h. 16m. p.m. l.m.t. I observe Polaris at lower culmination, in accordance with the Manual of Instructions, and mark the meridian thus determined, by cutting a small groove in the stone set this date, on which the meridian falls 0.3 ins. E. of mark determined by solar.

June 8, 1904.

June 9, 1904, at 7h. a.m. l.m.t. I set off 40°05½'N. on lat. arc; 22°57'N. on decl. arc, and determine a true meridian with the solar; the meridian thus determined falls 0.1 ins. E. of the groove cut in the stone to mark the meridian determined by observation on Polaris.

CHAINS	
	The solar apparatus by p.m. and a.m. observations, defines positions for the meridians, respectively about 10"W.and 5"E. of the meridian established by the Polaris observation; therefore I conclude that the adjustments of the instrument are satisfactory.
	The magnetic bearing of the true meridian at 7h.30m. a.m. l.m.t. is N.16°45'W.; the angle thus determined gives the magnetic decl. 16°45'E.
	From the township cor. already described, I lay off from the meridian an angle of 90° from N. to W. and run W. on a tangent S. of sec. 36.
	Ascending through heavy aspen, and dense choke cherry.
6.00	Top of spur, bears W. and S.E. Along spur; scattering aspen.
	Difference of measurements of 40.00 chs. by two sets of chainmen is 3 lks.; position of middle point
	By 1st. set 40.01½ chs.
	By 2nd. set 39.98½ chs., the mean of which is
40.00	N. ¼ lk. from tangent.
	Set an aspen post 3 ft. long, 3 ins. sq., 24 ins. in the ground, for standard ¼ sec. cor., mkd. S C ¼ S 36 on N. face; from which
	An aspen 6 ins. diam., bears N.20°W., 39 lks. dist. mkd. S C ¼ S 36 B T.
	No other trees within limits; dig pits 18x18x12 ins. E. and W. of post 3 ft. dist., and raise a mound of earth 3½ ft. base, 1½ ft. high N. of cor.
44.00	Top of spur 400 ft. above sec. cor.; projects N.; descend.
48.00	Enter heavy aspen timber, bears N. and S.
54.50	Ravine 300 ft. deep, course N. 10°W.; ascend.
57.00	Saddle in ridge, bearing N. and S., bears N.60°E.and S.W.
	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 2nd. set 79.99 chs., the mean of which is

CHAINS	
80.00	N. 1 lk. from tangent.
	Set a limestone 20x10x3 ins., 15 ins. in the ground, for standard cor. of secs. 35 and 36, mkd. S C on N., with 1 groove on E., and 5 grooves on W. face; and raise a mound of stone 2 ft. base, 1½ ft. high N. of cor.
	Land mountainous.
	Soil stony; 3rd. and 4th. rate.
	Timber aspen.
	Mountainous land. 80.00 chs.

Void See p. 23

S.89°59'W. on tangent S. of sec. 35

	Descend over mountainous land.
3.10	Dense scrub aspen, bears N. and S.
11.10	Creek 4 lks. wide, in ravine 300 ft. deep, course N.W. Ascend.
22.00	Top of spur, projects N.; descend.
32.00	Leave aspen, bear N.E. and S.W.
34.00	Enter dense willow, bears N.E. and S.W.
35.86	Fork of Indian Creek 7 lks. wide in bottom of ravine 250 ft. deep, course N.E.; ascend along N. side of draw.
36.00	Leave willows, bears N.E. and S.W.
37.48	Wagon road, bears NE. and SW.
	Difference of measurements of 40.00 chs. by two sets of chainmen is 4 lks.; position of middle point
	By 1st. set 40.02 chs.
	By 2nd. set 39.98 chs., the mean of which is
40.00	N. 1.9 lks. from the tangent.
	Set a sandstone 20x8x6 ins., 15 ins. in the ground, for standard ¼ sec. cor., mkd. S C ¼ on N. face, and raise a mound of stone 2 ft. base, 1½ ft. high N. of cor.
58.50	Enter grove of small aspen, bears N.40°E. and S.40°W.
59.50	Leave aspen, bears N.40°E. and S.40°W.
63.00	Enter small aspen, bears N. and S.
64.00	Leave aspen, bear N. and S.

CHAINS	
65.00	Descend.
75.00	Draw 50 ft. deep, course S.80°E.; ascend; enter scattering aspen, bears N. and S.
79.00	Spur projects N.; descend.
	Difference of measurements of 80.00 chs. by two sets of chainmen is 4 lks., position of middle point
	By 1st. set 80.02 chs.
	By 2nd. set 79.98 chs., the mean of which is
80.00	N. 3.4 lks. from the tangent.
	Set a sandstone 14x8x6 ins., 10 ins. in the ground, for standard cor. to secs. 34 and 35, mkd. S C on N., with 2 grooves on E., and 4 grooves on W. face; from which
	An aspen 4 ins. diam., bears N.79°E. 46 lks. dist. mkd. T 4 S R 12 W S 35 B T.
	An aspen 10 ins. diam., bears N.65°W. 79 lks. dist. mkd. T 4 S R 12 W S 34 B T.
	Land mountainous.
	Soil gravelly; 4th. rate.
	Timber aspen.
	Mountainous land. 80.00 chs.
	June 9.,1904, I set off 22°57'N. on decl. arc, and at 11h. 59m. a.m. l.m.t. observe the sun on the meridian; the resulting lat. is 40°05½'N., or within 1' of the proper lat.

S.89°58'W. on tangent S. of sec. 34

Descending through scattering aspen.

6.00	Draw, course N.E.; ascend.
8.00	Leave scattering aspen, enter dense young aspen, bears N.E. and S.W.
37.00	Spur 300 ft. above sec. cor.; projects N.E.; descend.
	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.

Void
See p. 25

CHAINS	
	By 2nd. set 39.99 chs., the mean of which is
40.00	N. 5¼ lks. from tangent.
	Set a sandstone 12x7x6 ins., 8 ins. in the ground, for standard ¼ sec. cor., mkd. S C ¼ on N. face; from which
	An aspen 10 ins. diam., bears N.80°W., 35 lks. dist.
	mkd. S C ¼ S 34 B T.
	No other trees within limits.
	Raise a mound of stone 2 ft. base, 1½ ft. high N. of cor.
42.00	Leave aspen, bear N. and S.
45.00	Creek 2 lks. wide in bottom of ravine 300 ft. deep, course N.; ascend.
49.00	Enter aspen and scattering pine, bears S. and N.W.
	Difference of measurements of 80.00 chs. by two sets of chainmen is 5 lks.; position of middle point
	By 1st. set 80.02½ chs.
	By 2nd. set 79.97½ chs., the mean of which is
80.00	N. 7.6 lks. from tangent.
	An aspen 4 ins. diam., for standard cor. of secs. 33 and 34, ,which I mark
	S C T 4 S R 12 W on N.,
	S 34 on E., and
	S 33 on W. side; with 3 notches on E. and W. sides; from which
	An aspen 5 ins. diam., bears N.59°E. 13 lks. dist.
	mkd. T 4 S R 12 W S 34 B T.
	An aspen 4 ins. diam., bears N.36°W. 8 lks. dist.
	mkd. T 4 S R 12 W S 33 B T.
	Land mountainous.
	Soil stony; 3rd. rate.
	Timber small aspen and pine.
	Mountainous land. 80.00 chs.

S.89°57'W. on tangent S. of sec. 33

Ascending through dense young aspen and chokecherry.

CHAINS	
10.00	Leave aspen, bears N. and S.
	Difference between measurements of 14.12 chs. by two sets of chainmen is 8 lks.; position of middle point
	By 1st. set 14.16 chs.
	By 2nd. set 14.08 chs., the mean of which is
14.12	Intersect West bdy. of Uintah Indian Reservation

Set a limestone 14x14x8 ins., 10 ins. in ground for standard closing cor. for Tps. 4 and 5 S.R.12 W., mkd. S C with 6 grooves on N. and S.; U I R with 3 grooves on E.; P L on W. faces; dig pits 30x24x12 ins. crosswise on each line N. and S. 4 ft. dist.; and E. of stone 8 ft. dist.; and raise a mound of earth 5 ft. base, 2½ ft. high E. of cor.

The No. 114th. mile cor. as established by Deputies A.H. and F.M. Brown, bears S.37°30'E. 6.24 chs.

Land mountainous.

Soil gravelly; 3rd. rate.

Timber aspen.

Mountainous land; covered with heavy growth of young timber, and dense undergrowth. 14.12 chs.

June 9th., 1904.

For general description see subdivision of this township.

James McLeod

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 James M. Lentz, 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 1st Standard Parallel South through Range No. 12 West, Uintah Special Base and Meridian, State of Utah, showing the respective capacities in which they acted:

Joseph Carlson William Longbrecker, Chainman.
Oliver W. Lemar Samuel M. Ballard, Chainman.
Lawrence Swan, Moundman.
Dexter A. McBride, Moundman.
John N. Carroll, Axman.
Lawrence Swan, Axman.
David J. Marchant, Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted James M. Lentz, United States Deputy Surveyor, in surveying all those parts or portions of the First Standard Parallel South through Range No. 12 West of the Uintah Special 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.

Joseph Carlson William Longbrecker, Chainman.
Oliver W. Lemar Samuel M. Ballard, Chainman.
Lawrence Swan, Moundman.
Dexter A. McBride, Moundman.
John N. Carroll, Axman.
Lawrence Swan, Axman.
David J. Marchant, Flagman.

Subscribed and sworn to before me this 20th day of August, 1904

SEAL

James M. Lentz
U.S. Deputy Surveyor

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FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, James M. Lentz, United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from Edward H. Anderson United States Surveyor General for Utah, bearing date of the 22d day of July, 1903, ~~xxx~~, 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 First Standard Parallel South through Range No. 12 West

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

James M. Lentz
United States Deputy Surveyor.

Subscribed by said James M. Lentz, and sworn to before me this 27th day of December, 1904

SEAL

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

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, Dec. 31, 1904.

The foregoing field notes of the survey of the First Standard Parallel South, through Range No. 12 West, of the Uintah Special Base and Meridian, Utah,

executed by James M. Lentz under his contract No. 280, dated July 22, 1903, ~~xxx~~, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Edward H. Anderson
United States Surveyor General.

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

_____
United States Surveyor General.

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BOOK A-315

B.

FIELD NOTES

OF THE SURVEY OF THE

FILED
OCT 31 1904

a.c.

North
Boundary
of
Township No. 4 South
Range No 12 West

Of the Uintah Special Base and Meridian,
In the State of Utah.

AS SURVEYED BY.

James M. Lentz, United States Deputy Surveyor,
Under his Contract No. 280, dated July 22nd, 1903
Survey commenced June 4th, 1904
Survey completed June 10th, 1904

6—151

high- 2-20-85
low 24-00
Closing 11-12

NAMES AND DUTIES OF ASSISTANTS.

William Longnecker Chainman
Samuel M Ballard "
Dexter A McBride Roundsman
John N. Carroll Aidman
Lawrence Swan "
David J. Marchant Flagman

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Volume
#
R0315

BOOK A-315

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Meanders Page.....

PRELIMINARY OATHS OF ASSISTANTS.

WE, William Longbrecker and Samuel M. Ballard do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain over even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of N. bdy. Tps. 2, 3 & 4 S. R. 12 W., N. 3rd W. bdys. Tps. 2 & 3 S. R. 11 W. and W. bdy. Tp. 1 S. R. 11 W. Uintah Special Base and Meridian State of Utah.

William Longbrecker, Chainman.

Samuel M. Ballard, Chainman.

Subscribed and sworn to before me this 7th day of June, 1904

SEAL

James M. Lentz
U.S. Deputy Surveyor

WE, I Dexter A. McBride and ____ do solemnly swear that ~~I~~ we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given ~~me~~ us, to the best of ~~my~~ our skill and ability, in the survey of N. bdy. Tps. 2, 3 & 4 S. R. 12 W., N. 3rd W. bdys. Tps. 2 & 3 S. R. 11 W. and W. bdy. Tp. 1 S. R. 11 W. Uintah Special Base and Meridian, State of Utah.

____, Moundman.

Dexter A. McBride, Moundman.

Subscribed and sworn to before me this 7th day of June, 1904

SEAL

James M. Lentz
U.S. Deputy Surveyor

WE, John N. Carroll and Lawrence Swan 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 N. bdy. Tps. 2, 3 & 4 S. R. 12 W., N. 3rd W. bdys. Tps. 2 & 3 S. R. 11 W. and W. bdy. Tp. 1 S. R. 11 W. Uintah Special Base and Meridian State of Utah.

John N. Carroll, Axman.

Lawrence Swan, Axman.

Subscribed and sworn to before me this 7th day of June, 1904

SEAL

James M. Lentz
U.S. Deputy Surveyor

I, David J. Marchant, 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 N. bdy. Tps. 2, 3 & 4 S. R. 12 W., N. 3rd W. bdys. Tps. 2 & 3 S. R. 11 W., W. bdy. Tp. 1 S. R. 11 W. Uintah Special Base and Meridian State of Utah.

David J. Marchant, Flagman.

Subscribed and sworn to before me this 7th day of June, 1904

SEAL

James M. Lentz
U.S. Deputy Surveyor.

6—151

NORTH BOUNDARY OF T. 4 S., R. 12 W., U.S.B.& M.

Survey commenced June 9, 1904, and executed with the instrument described in book "A" of this survey.

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

At the cor of Tps. 3 and 4 S., Rgs. 11 and 12 W., lat. 40° 10' 41" N., long. 111° 12' 46" W., which is a sandstone 6x10x10 ins. above ground, firmly set and marked and witnessed as described by Deputies Page and Kershaw under contract No. 279, I set off 40°11'N. on lat. arc, 22°58½' N. on decl. arc and at 4h. p.m. l.m.t. determine a true meridian with the solar, and mark a point thereof on a stone firmly set in the ground 5 chs. N. of my station.

At 8h. 12m. pm l.m.t. I observe Polaris at lower culmination, in accordance with the Manual of Instructions, and mark the meridian thus determined, by cutting a small groove in the stone set this date, on which the meridian falls 0.3 ins. E. of mark determined by solar observation.

June 9th., 1904.

June 10, at 7h. a.m. l.m.t. I set off 40° 11' N. on lat. arc; 23° 02' N. on decl. arc, and determine a true meridian with the solar; the meridian thus determined falls 0.1 ins. E. of the groove cut in the stone to mark the meridian determined by observation on Polaris.

The solar apparatus by p.m. and a.m. observations, defines positions for the meridians, respectively about 15" west and 5" east of the meridian established by the Polaris observation; therefore I conclude that the

NORTH BOUNDRY T. 4 S., R. 12 W. U.S.B.& M.

CHAINS

adjustments of the instrument are satisfactory.

The magnetic bearing of the true meridian at 7h.30m.a.m. l.m.t. is N.18°45' W.; the angle thus determined gives the magnetic decl. 16° 45' E.

From the township cor. already described, I run W. on a true line bet secs 1 and 36, Tps. 3 and 4 S., R.12 W.

Ascending gradually, through scrubby sage.

19.90 Fork of Bryant Creek, 2 lks. wide; course NE.

24.00 Begin steep ascent; enter dense sage brush, bear N. and S.

40.00 Set a sandstone 18x14x7 ins 12 ins in the ground, for ¼ sec. cor. marked ¼ on N. face; and raise a mound of stone 2ft. base 1½ft. high, N. of cor.

54.75 Enter heavy aspen, bears N. and S.

59.20 Leave aspen, bears N. and S.

70.20 Enter heavy aspen. bears N. and S.

75.00 Spur projects N. 80° E.; descend.

80.00 Set an aspen post, 3ft. long , 4 ins. sq. 24 ins. in the ground for cor of secs . 1, 2, 35 and 36. marked

T 3 S S 36 on NE.

R 12 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. edges; from which

An aspen 9 ins. diam., bears N. 54° E.,21 lks. dist., marked

T 3 S R 12 W S 36 B T .,

An aspen 5 ins. diam,bears S. 62° E. 22 lks. dist., marked

T 4 S R 12 W S 1 B T.,

An aspen7 ins. diam., bears S 11½° W. 16 lks. dist., marked

T 4 S R 12 W S 2 B T.,

NORTH BOUNDARY OF T.4 S., R.12 W., U.S.B.& M.

CHAINS	
	An aspen 5 ins. diam. bears N. 73°W. 22 lks. dist. mkd. T 3 S.R 12 W S 35 B T.
	Land mountainous and rolling.
	Soil gravelly and loam; 2nd. and 3rd. rate.
	Timber aspen.
	Mountainous land, covered with dense undergrowth, and heavy timber. 56.00 chs.
	W. on a true line, bet. secs. 2 and 35
	Descending through heavy aspen, and dense chokecherry brush.
4.00	Ravine 150 ft. deep, course NE., willows 2 chs. wide in the bottom; ascend.
40.00	Set an aspen post 3 ft. long, 3 ins. sq., 24 ins. in the ground, for $\frac{1}{4}$ sec. cor., mkd. $\frac{1}{4}$ S 35 on W., and 2 on S. face; from which
	An aspen 12 ins. diam. bears N. 9°W. 65 lks. dist. mkd. $\frac{1}{4}$ S 35 B T.
	An aspen 14 ins. diam. bears S. 11°E. 46 lks. dist. mkd. $\frac{1}{4}$ S 2 B T.
62.00	Top of ridge, bears N. 85°E. and S. 85°W.; along N. slope.
80.00	Set a sandstone 20x15x8 ins., 15 ins. in the ground, for cor. of secs. 2-3-34 and 35, mkd. with 2 notches on E., and 4 notches on W. edges; from which
	An aspen 9 ins. diam. bears N. 62°E. 23 lks. dist. mkd. T 3 S R 12 W S 35 B T.
	An aspen 6 ins. diam. bears S. 69°E. 56 lks. dist. mkd. T 4 S R 12 W S 2 B T.
	An aspen 7 ins. diam. bears S. 43°W. 75 lks. dist. mkd. T 4 S R 12 W S 3 B T.
	An aspen 11 ins. diam. bears N. 33°W. 89 lks. dist. mkd. T 3 S R 12 W S 34 B T.
	Land mountainous.
	Soil gravelly; 3rd. rate.
	Timber aspen.

CHAINS

Mountainous and heavily timbered land. 80.00 chs.

June 10th., 1904. I set off 23°02'E. on decl. arc;and at 11h.50m.a.m.l.m.toobserve the sun on the meridian; the resulting lat. is 40°11'N.

W. on a true line, bet. secs. 3 and 34

Over mountainous land, through heavy aspen timber, and dense chokecherry brush.

1.00 Hollow, drains NE.; ascend.

39.00 Leave aspen timber, bears N. and S.

40.00 Set a sandstone 12x8x8 ins. 8 ins. in the ground, for ¼ sec. cor., mkd. ¼ on N. face; from which

An aspen 6 ins. diam. bears N. 61°E. 106 lks. dist. mkd. ¼ S 34 B T.

An aspen 13 ins. diam. bears S. 67°E. 98 lks. dist. mkd. ¼ S 3 B T.

44.85 Divide, bears NW. and SE.;

Intersect West Boundary of Uintah Indian Reservation.

Set a lime shale rock 24x23x3 ins., 18 ins. in the ground, for closing corner of secs. 3 and 34, mkd. C C U I R with 3 grooves on E., P L on W., with 6 grooves on N. and S. faces; raise a mound of stone 2 ft. base, 1½ ft. high E. of cor.

From the closing corner the No. 121st. mile cor.on the bdy. as established by Deputies A.H. and F.M. Brown, under their contract No. 264, bears N.47°30'W. 11.12 chs.

Land mountainous.

Soil stony; 3rd. rate.

Timber aspen.

Mountainous and heavily timbered land, covered with dense undergrowth. 44.85 chs.

June 10, 1904.

NORTH BOUNDARY OF T.4 S., R.12 W., U.S.B.& M.

For general description see subdivision of this Tp.

James M Lentz
U.S.Deputy Surveyor

LATITUDES, DEPARTURES, AND CLOSING ERRORS.

Line Designated	True Bearing	Distance	Latitudes N.	Latitudes S.	Departures E.	Departures W.
		chs.	chs.	chs.	chs.	chs.
1st St.Parallel S.	West	254.12	.....	.....	.....	254.12
W.Bdy.T 4 S.R.11 W.	South	480.00	.....	480.00	.....	.....
N.Bdy.T.4 S.R.12 W.	East	204.85	.....	.....	204.85	.....
Uintah Indian Res-	N.37°30'W.	25.56	20.28	.....	.....	15.56
ervation Bdy.	N.9°30'E.	35.30	34.82	.....	5.82	.....
	N.39°45'E.	39.90	30.68	.....	25.52	.....
	N.6°30'W.	33.00	32.79	.....	.....	3.74
	N.52°45'E.	32.00	19.37	.....	25.47	.....
	N.17°45'E.	91.80	87.43	.....	27.99	.....
	N.4°15'E.	46.20	46.07	.....	3.42	.....
	N.21°W.	10.00	9.34	.....	.....	3.58
	N.5°W.	66.00	65.75	.....	.....	5.75
	N.60°W.	31.10	15.55	.....	.....	26.93
	N.15°15'E.	15.10	14.57	.....	3.97	.....
	N.42°15'E.	18.80	13.92	.....	112.63	
	N.2°E.	49.00	48.97	.....	1.71	.....
	N.32°45'E.	30.00	16.82	.....	10.82	.....
	N.9°15'W.	13.70	13.52	.....	.....	2.20
	N.47°30'W.	15.18	10.26	.....	.....	11.19
Convergency					.28	
Totals			480.24	480.00	322.48	323.07
			480.00			322.48
Error in lat.and dep.			.24			.59

James M Lentz
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 final affidavits see book "N" T.1 S.R.11 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 _____

For final affidavits see book "N" T.1 S.R.11 W., *Chainman.*

_____, *Chainman.*

_____, *Moundman.*

_____, *Moundman.*

_____, *Axman.*

_____, *Axman.*

_____, *Flagman.*

_____

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

_____

SEAL

_____

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BOOK A-315

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 "N" T.1 S.R.11 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; and should any fraud be detected, I will suffer the penalty of perjury under the provisions of an Act of Congress approved August 8, 1846.

_____

United States Deputy Surveyor.

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

SEAL

_____

_____

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, December 31, 1904

The foregoing field notes of the survey of the North Boundary of Township No. 4 South, Range No. 13 West, of the Uintah Special Base and Meridian, Utah;

executed by James M. Lentz under his contract No. 280, dated July 22, 1903; having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Edward M. Anderson

United States Surveyor General.

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

_____

United States Surveyor General.

6—151

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4—679.

BOOK A-315

FILED

OCT 31 1904

C.

FIELD NOTES

OF THE SURVEY OF THE

Subdivisions
of
Township No. 4 South
Range No. 12 West

Of the Uintah Special Base and Meridian,
In the State of Utah

AS SURVEYED BY

James M. Lentz, United States Deputy Surveyor,

Under his Contract No. 280, dated July 22nd, 1903.

Survey commenced June 10th, 1904

Survey completed June 15th, 1904

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high 25-53-81
low 23-00
closing 62-62

NAMES AND DUTIES OF ASSISTANTS.

William Longnecker Chainman

Samuel M. Ballard "

Dexter A. McBride Roundman

John N. Carroll Aidman

Lawrence Swan "

David J. Marchant Flagman.

Volume
#
R0315

BOOK A-315

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

Meanders Page.....

PRELIMINARY OATHS OF ASSISTANTS.

We, William Longnecker and Samuel M. Ballard

do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain over even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of Subdivisions of Tps 1, 2 & 3 S, R 11 W, Tps 1, 2, 3 & 4 S, R 12 W & Tp 2 S, R 13 W, Uintah Special Base and Meridian, State of Utah.

William Longnecker, Chainman.

Samuel M. Ballard, Chainman.

Subscribed and sworn to before me this 7th day of June, 1904

James McLentz
U.S. Deputy Surveyor.

SEAL

We, I Dexter A. McBride 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 me, to the best of our skill and ability, in the survey of Subdivisions of Tps 1, 2 & 3 S, R 11 W, Tps 1, 2, 3 & 4 S, R 12 W & Tp 2 S, R 13 W, Uintah Special Base & Meridian, State of Utah.

, Moundman.

Dexter A. McBride, Moundman.

Subscribed and sworn to before me this 7th day of June, 1904

James McLentz
U.S. Deputy Surveyor

SEAL

We, John N. Carroll and Lawrence Swan

do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey of Subdivisions of Tps 1, 2 & 3 S, R 11 W, Tps 1, 2, 3 & 4 S, R 12 W & Tp 2 S, R 13 W, Uintah Special Base and Meridian, State of Utah.

John N. Carroll, Axman.

Lawrence Swan, Axman.

Subscribed and sworn to before me this 7th day of June, 1904

James McLentz
U.S. Deputy Surveyor

SEAL

I, David J. Merchant, 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 Subdivisions of Tps 1, 2 & 3 S, R 11 W, Tps 1, 2, 3 & 4 S, R 12 W & Tp 2 S, R 13 W, Uintah Special Base and Meridian, State of Utah.

David J. Merchant, Flagman.

Subscribed and sworn to before me this 7th day of June, 1904

James McLentz
U.S. Deputy Surveyor

SEAL

Survey commenced June 10, 1904, and executed with the instrument described in Book "A" of this survey.

At the standard cor. of Tp.4 S., Rs. 11 and 12 W., previously described; I set up over the cor. at the same point that I used in establishing the meridian by Polaris observation, and recorded in Book "A", Lat. 40°05'28''N. Long. 111°12'46''W. I examine the adjustments of the transit, and find them correct; then to test the adjustments of the solar apparatus, by comparing its indications resulting from solar observations, made during p.m. and a.m. hours, with the meridian previously determined by Polaris observation, and recorded in Book "A" of this survey; I proceed as follows:

I set off 40°5½'N. on lat. arc; 23°03'N. on decl.arc, and at 4h. p.m. l.m.t. determine a meridian with the solar; the meridian thus determined falls on a pole set on the groove cut in the stone 5 chs. N. of my station, to mark the meridian determined by Polaris observation.

June 10, 1904.

June 11, 1904, at 7h. a.m. l.m.t. I set off 40°5½'N. on lat. arc; 23°06½'N. on decl. arc, and determine a true meridian with the solar; the meridian thus determined falls on a pole held on the mark determined by Polaris observation and p.m. solar observation.

The solar apparatus by p.m. and a.m. observations defines position for the meridian same as by Polaris observation; therefore, I conclude that the adjustments of the instrument are correct.

At the standard cor. of secs. 35 and 36, on S. bdy. of Tp. 4 S., R.12 W., heretofore described, I set off 40°5½'N. on lat. arc; 23°06'N. on decl. arc, and determine a true meridian with the solar, at 8h. 00m. a.m. l.m.t. Thence I run,

SUBDIVISION OF T.4 S., R.12 W., U.S.B.& M.

CHAINS	
	N.0°01'W. bet. secs. 35 and 36
	Ascending over rough stony ground, sloping SW;;through dense sage brush.
28.00	Spur projects W., descend, enter scattering aspen, bears E. and W.
40.00	Set a lime stone 14x12x3 ins., 10 ins. in the ground, for ¼ sec. cor., mkd. ¼ on W. face; from which An aspen 12 ins. diam., bears S. 45°W. 27 lks. dist. mkd. ¼ S 35 B T. An aspen 12 ins. diam., bears S. 43°E. 31 lks. dist. mkd. ¼ S 36 B T.
42.00	Leave scattering aspen timber, bears E. and W.
52.00	Fork of Indian Creek,8 lks. wide ;, in ravine 200 ft. deep, course NE.
	Ascend.
57.20	Wagon road, bears NE. and SW.
75.00	Spur projects N. 47°E.
	Descend.
80.00	Set a sandstone 18x10x10 ins., 12 ins. in the ground, for cor. of secs. 25-26-35 and 36, mkd. with 1 notch on S., and 1 notch on E. edges; raise a mound of stone 2 ft. base, 1½ ft. high W. of cor.
	Land mountainous.
	Soil stony; 3rd. rate.
	Timber aspen.
	Mountainous land. 80.00 chs.

	E. on a random line, bet. secs. 25 and 36
40.00	Set temp. ¼ sec. cor.
79.97	Intersect E. bdy. of Tp. 31 Rs. N. of the cor. of secs. 25-30-31 and 36, which is a sandstone 6x10x8 ins. above ground,firmly set and

SUBDIVISION T.4 S., R.12 W., U.S.B.& M.

CHAINS.	
	marked and witnessed as described by Deputies Page and Kershaw under their contract No.279.
	Thence I run
	N. 89°59' W., on a true line bet. secs 25 and 36.
	Ascending on top of spur ridge; bears NE. and SW.
2.30	Descend from spur ridge bears NE. and SW.
30.00	Ravine 50ft. deep, course N.; ascend.
39.98	Set a sandstone 12x12x4 ins. 8 ins. in the ground, for ¼ sec. cor, marked ¼ on N. face; raise a mound of stone 2ft. base, 1½ft. high, N. of cor.
	This cor is on a spur projecting N.; descend through dense sage brush.
50.00	Foot of descent; across bottom land, bears N. and SW.
55.00	Enter willows, leave sage; bears NE. and SW.
57.00	Fork of Indian Creek, 10 lks. wide, course N 30° E.; leave willows and enter artemesia; bears N. and SW.
60.00	Wagon road, bears N. and SW.
73.00	Enter aspen, bears NW. and S.; ascend.
78.00	Point of spur extends N.
79.97	The cor. of secs. 25, 26, 35 and 36.
56.97 13.00	Land mountainous
	Soil gravelly; 3rd. rate.
	Timber small young aspen.
	Mountainous and timbered land 56.97 chs.

	N. 0°01' W. bet secs. 25 and 26.
	Descending; through scattering scrub aspen timber.
7.50	Old road, bears E. and W.
10.50	Indian Creek, 10 lks. wide, in ravine 500 ft. deep; course E.

SUBDIVISION T. 4 S., R. 12 W., U.S.B.& M.

CHAINS	
	Ascend.
36.00	A. Ridge, bears E. and W.; desc.
40.00	Set a sandstone 16x10x6 ins. 11 ins in the ground, for ¼ sec. cor, marked ¼ on W. face; from which
	An aspen 4 ins. diam., bears S. 7° E. 111 lks. dist., marked ¼ S 25 B T.
	An aspen 4 ins diam., bears S. 1° W. 119 lks. dist., marked ¼ S 26 B T.
44.00	A hollow; drains E; ascend.
49.25	Enter heavy aspen, bears NW. and SE.
55.00	Spur projects SE.; desc.
77.40	Creek 2 lks. wide; course E.; leave aspen, bears E. and W.; ascend.
80.00	Set a sandstone 15x12x5ins 10 ins. in the ground for cor. of secs. 23,24,25 and 26, marked with 1 notch on E. and 2 notches on S. edges; and raise a mound of stone 2ft. base 1½ ft. high W. of cor.
	Land mountainous.
	Soil stony; 3rd. rate.
	Timber small young aspen.
	Mountainous and heavily timbered land 80.00 chs.
	June 11: At this cor. I set off 23° 06' N. on decl. arc; and at 11h. 59m. a.m. l.m.t., observe the sun on the meridian; the resulting lat. is 40° 07' N. or within 1' of the proper lat.
	S. 89° 59' E. on a random line bet. secs. 24 and 25.
40.00	Set temp. ¼ sec. cor.
80.02	Intersect E. bdy. of Tp. 2 S. 21 lks S. of cor of secs. 19,24, 25 and 30 which is a sandstone 5x14x5 ins above ground,

SUBDIVISION T. 4 S., R. 12 W. U.S.B.& M.

CHAINS	
	marked and witnessed as described by Hubert D. Page and Byron S. Kershaw, U.S. Deputy Surveyors, under their contract No. 279. Thence I run
	W. on a true line bet. secs. 24 and 25.
	Descending; through dense sage brush.
5.50	Indian Creek 8 lks wide, in ravine 200 ft. deep; course N 25° E.; Ascend.
6.50	Road N. and S.
28.00	Spur projects S.; desc.
35.10	Road N. and S.
40.01	Set a sandstone 18x8x4ins. 12 ins in the ground, for ¼ sec. cor., marked ¼ on N. face; and raise a mound of stone 2ft. base 1⅓ ft. high N. of cor.
67.75	Creek 2 lks. wide; course SE.; ascend.
80.02	The cor. of secs 23,24,25 and 26.
	Land mountainous
	Soil stony; 3rd. rate.
	No timber
	Mountainous land covered with dense undergrowth 80.02 chs.

	N. 0°01' W. bet. secs. 23 and 24.
	Ascending through dense sage brush.
1.00	Spur projects E.; descend
12.00	Creek 2lks. wide; course E.; ascend
21.00	Enter scattering aspen, bears E. and W.
31.00	Spur projects SE.; descend
40.00	Set a sandstone 15x10x4 ins. 10 ins in the ground for ¼ sec. cor., marked ¼ on W. face; from which
	An aspen 4 ins. diam., bears S. 72° E., 9 lks. dist., marked ¼ S 24 B T.
	An aspen 5 ins. diam, bears S. 45° W. .4 lks. dist.,

SUBDIVISIONS T. 4 S., R. 12 W. U.S.B.& M.

CHAINS

marked 1/4 S 23 B T.

43.00 Ravine 100 ft. deep, course SE.; leave aspen, bears NW. and SE.; ascend.

67.50 Ridge, bears NE. and SW.; enter aspen, bear with ridge; descend.

80.00 An aspen 8 ins. diam., for cor of secs. 13, 14, 23 and 24, I mark

T 4 S S 13 on NE.,

R 12 W S 24 on SE.,

S 23 on SW., and

S 14 on NW. side, with 3 notches on S and 1 notch on E. side; from which

An aspen 8 ins. diam., bears N. 41° E., 21 lks. dist., marked T 4 S R 12 W S 13 B T.

An aspen 14 ins. diam., bears S. 51° E. 37 lks. dist., marked T 4 S R 12 W S 24 B T.

An aspen 5 ins. diam., bears S. 78° W. 11 lks. dist., marked T 4 S R 12 W S 23 B T.

An aspen 15 ins. diam., bears N. 72° W. 15 lks. dist., marked T 4 S R 12 W S 14 B T.

Land mountainous.

Soil gravelly; 3rd. rate.

Timber aspen.

Mountainous land heavily timbered 80.00 chs.

E. on a random line bet. secs. 13 and 24.

40.00 Set temp 1/4 sec. cor.

79.98 Intersect E. bdy of Tp. 2½ lks. N of cor. of secs 13, 18, 19 and 24. which is a sandstone 6x12x6 ins. above ground, marked and witnessed as described by Hubert D. Page and

Chains.	
	Byron S.Kershaw,U.S.Deputy Surveyors,under their contract No.279. Thence I run
	N.89°59'W.on a true line bet.secs.13 and 24
	Descending through dense sagebrush.
7.00	Road bears N.and S.
20.00	Ravine 100 ft.deep; course NE.;ascend.
39.99	Set a sandstone 16x8x4 ins.11 ins.in the ground for 1/4 sec.cor.,marked 1/4 on N.face;and raise a mound of stone 2 ft.base 1½ ft.high N.of cor.
43.00	Spur projects N.;descend.
60.50	Hollow course NE.;enter heavy aspen and dense chokecherry brush;ascend.
71.00	Descend.
79.98	The cor.of secs.13,14,23 and 24.
	Land mountainous.
	Soil stony; 3d rate.
	Timber aspen.
	Mountainous land covered with dense undergrowth 79.98 chs.
	June 11,1904.

June 12:,at 8h.0 m.a.m.l.m.t.I set off 23°10'N.on decl. arc;40°08'N.on lat.arc;and determine a meridian with the solar,at the cor.of secs.13,14,23,and 24.

Thence I run

N.0°01'W.bet.secs.13 and 14

Descending through dense scrub aspen.

28.00	Leave aspen bears E.and W.
32.00	Hollow course E.;ascend.
	Enter scattering aspen.
40.00	Set an aspen post 3 ft.long 3 ins.sq.,24 ins.in the ground for 1/4 sec.cor.,marked 1/4 S 14 on W.face,and 13 on E.face;from which
	An aspen 4 ins.diam.bears N.17°E.49 lks.dist.

Chains.	
	marked ¼ S 13 B T
	No other bearing trees within limits;raise a mound of stone 2 ft.base 1½ ft.high W.of cor.
40.50	Ridge bears E.and W.;descend.
74.50	Creek 3 lks.wide,in ravine 300 ft.deep,course E.;ascend.
80.00	Set a sandstone 12x12x10 ins.8 ins.in the ground for cor.of secs.11,12,13,and 14,marked with 1 notch on E.and 4 notches on S.edge;from which
	An aspen 4 ins.diam.bears S.10°E.65 lks.dist.
	marked T 4 S R 12 W S 13 B T
	An aspen 4 ins.diam.bears NW.89 lks.dist.
	marked T 4 S R 12 W S 11 B T
	An aspen 4 ins.diam.bears S.40°W.45 lks.dist.
	marked T 4 S R 12 W S 14 B T
	No other bearing trees within limits;raise a mound of stone 2 ft.base 1½ ft.high W.of cor.
	Land mountainous.
	Soil gravelly;3d rate.
	Timber aspen.
	Mountainous land 80.00 chs.
	S.89°59'E.on random line bet.secs.12 and 13
40.00	Set temp.¼ sec.cor.
79.96	Intersect E.bdy.of Tp.5 lks.N.of cor.of secs.7,12,13, and 18,which is a sandstone 5x14x4 ins.above ground, firmly set and marked and witnessed as described by Hubert D.Page and Byron S.Kershaw,U.S.Dep.Surveyors,under their contract No.279. Thence I run
	N.89°57'W.on a true line bet.secs.12 and 13
	Ascend over mountainous land;through dense undergrowth.
39.98	Set a sandstone 18x12x6 ins.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.
53.00	Spur projects S.60°E.;descend through scattering aspen

SUBDIVISION OF T.4 S.R.12 W. U.S.B.& M.

Chains.	
	timber;along S.slope.
79.96	The cor.of secs.11,12,13and 14.
	Land mountainous.
	Soil gravelly;3d and 4th rate.
	Timber aspen.
	Mountainous land,covered with dense undergrowth 79.96 chs.

N.0°01'W.bet.secs.11 and 12.

	Ascend through dense undergrowth.
3.10	Enter aspen bears E.and W.
5.00	Spur ridge bears W.and S. 80°E. Descend.
20.00	Leave aspen;enter willows,bear E.and W.;ascend.
24.00	Leave willows bear E.and W.
29.00	Descend.
34.00	Draw course NE.;ascend.
34.50	Enter aspen.
38.00	Point of spur projects E.;descend.
40.00	Set a sandstone 12x12x6 ins.8 ins.in the ground for ¼ sec.cor.,marked ¼ on W.face;from which
	An aspen 5 ins.diam.bears N.83½°W.26 lks.dist. marked ¼ S 11 B T
	An aspen 10 ins.diam.bears S.30°E.24 lks.dist. marked ¼ S 12 B T
48.00	Leave aspen timber bears E.and W.
50.00	Draw 25 ft.deep,course N.60°E.;ascend.
52.00	Spur projects N.50°E.;descend.
66.00	Creek,3 lks.wide,in ravine 400 ft.deep,course E.;enter willows; Ascend through dense artemisia.
80.00	Set a sandstone 14x10x6 ins.9 ins.in the ground for cor. of secs.1,2,11.and 12,marked 1 notch on E.and 5 notches on S.edge;and raise a mound of stone 2 ft.base 1½ ft. high W.of cor.
	Land mountainous.

Chs.ind. Soil stony;4th rate.

Timber aspen.

Mountainous land covered with timber or dense undergrowth 80.00 chs.

June 12: At this cor.I set off 23°10'N.on decl.arc;and at 11 h.59½m.a.m.l.m.t.observe the sun on the meridian; the resulting lat.is 40°10'N.

S.89°57'E.on random line bet.secs.1 and 12

40.00 Set temp.¼ sec.cor.

79.94 Intersect E.bdy.of Tp.5 lks.S.of the cor.of secs.1,6,7 and 12,which is a sandstone 8x8x6 ins.above ground,firmly set and marked and witnessed as described by Hubert D.Page and Byron S.Kersnew,U.S.Deputy Surveyors,under their contract No.279. Thence I run

N.89°59'W.on a true line bet.secs.1 and 12,

Ascending over mountainous land through dense sagebrush.

39.97 Set a sandstone 15x10x7 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.

50.20 Top of ridge bears N.70°W.and S.60°E.

Descend along broken S.slope.

79.94 The cor.of secs.1,2,11,and 12.

Land mountainous.

Soil stony;2d and 3d rate.

No timber.

Mountainous land covered with dense undergrowth 79.94 chs.

N.0°01'W.on random line bet.secs.1 and 2

40.00 Set temp.¼ sec.cor.

80.02 Intersect N.bdy.of Tp.4½ lks.W.of cor.of secs.1,2,35, and 36,heretofore described. Thence I run

S.0°01'W.on true line bet.secs.1 and 2,

Ascending through heavy aspen timber and dense choke-

Chains.	
	cherry brush.
6.00	Spur projects NE.;descend over broken country.
30.00	Leave aspens;enter willows bear E.and W.
31.00	Ravine 200 ft.deep,course N.50°E.;ascend.
32.50	Leave willows;enter dense sage and deer brush bears NE. and SW.
33.41	Spring branch 2 lks.wide,course N.60°E.;enter willows bear N.60°E.and S.60°W.
35.00	Leave willows bear N.60°E.and S.60°W.
36.00	Point of spur projects NE.;descend.
38.50	Ravine 75 ft.deep,course NE.;ascend abruptly over ledge bears NE.and SW.
39.00	Leave ledge;enter aspen timber bears NE.and SW .
40.01	Set a sandstone 12x12x6 ins.8 ins.in the ground for $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on W.face;from which An aspen 5 ins.diam.bears N.83$\frac{1}{2}$°W.36 lks.dist. marked $\frac{1}{4}$ S 2 B T An aspen 6 ins.diam.bears S.89°E.29 lks.dist. marked $\frac{1}{4}$ S 1 B T
42.00	Spur projects E.;descend.
46.00	Draw course E.;ascend along broken E.slope.
51.00	Descend along broken E.slope.
56.00	Enter dense willows,bear E.and W.
60.00	Leave willows;enter aspen bear E.and W.;steep ascent.
62.00	Leave aspen;enter dense sagebrush bears E.and W.
68.00	Enter aspen bears E.and W.
75.00	Ridge bears S.80°E.and W.;descend.
76.95	Leave aspen bears E.and W.
80.02	The cor.of secs.1,2,11,and 12.
	Land mountainous.
	Soil stony;4th rate.
	Timber aspen.
	Mountainous land;heavily timbered and covered with dense undergrowth 80.02 chs. June 12,1904.

SUBDIVISION OF T.4 S.R.12 W.U.S.B.& M.

Chains.	
	June 13:At 8 h.a.m.l.m.t.I set off 40°5½'N.on 1st.arc; 23°14'N.on decl.arc;and determine a meridian with the solar at the standard cor.of secs.34 and 35 on the S.bdy. of Tp.4 S.R.12 W.,heretofore described.
	Thence I run
	N.0°02'W.bet.secs.34 and 35
	Descending over mountainous land;through scattering aspen timber.
2.50	Draw course SE.;ascend.
4.00	Leave aspen;enter dense brush bears E.and W.
20.00	Enter aspen timber bears E.and W.
24.00	Spur ridge bears NE.and SW.;descend.
28.00	Enter scattering pine timber.
40.00	Set a sandstone 16x12x4 ins.11 ins.in the ground for ¼ sec.cor.,marked ¼ on W.face;from which
	An aspen 10 ins.diam.bears N.45°W.145 lks.dist. marked ¼ S 34 B T
	An aspen 12 ins.diam.bears N.50°E.121 lks.dist. marked ¼ S 35 B T
55.00	Leave aspen and pine,bears E.and W.
66.75	Creek 6 lks.wide in bottom of hollow.course NE.:ascend.
80.00	Set a sandstone 16x14x4 ins.11 ins.in the ground for corner of secs.26,27,34,and 35;marked with 2 notches on E. and 1 notch on S.edge;and raise a mound of stone 2 ft. base 1½ ft.high W.of cor.
	Land mountainous.
	Soil gravelly;3d and 4th rate.
	Timber aspen and pine.
	Mountainous land;heavily timbered or covered with dense undergrowth 80.00 chs.

CHAINS	
	E. on random line bet. secs 26 and 35.
40.00	Set temp. ¼ sec. cor.
80.06	Intersect N. and S. line 5 lks. S. of cor. of secs. 25,26, 35 and 36.
	Thence I run, S.89°58'W. bet.secs.26 and 35 on a true line Descending over mountainous land;through dense under-growth.
7.00	Draw, course N E. enter aspen, bears N E. and S W. Asc.
27.00	Spur, projects N. Leave heavy Aspen, enter scattering Aspen, bears N E and S W.. Descend.
30.00	Draw, course NE, Enter heavy Aspen, bears E and W. Asc.
40.03	On a spur, projects N E.
	Set an Aspen post 3 ft. long, 4 ins. square, 24 ins. in ground for ¼ sec. cor, mkd. ¼ S 26 on N. and 35 on S faces, from which,
	An Aspen 5 ins. in diam. bears N 42° W., 29 lks. dist. mkd. ¼ S 26 B T.
	An Aspen 5 ins. in diam. bears S. 40° E 18 lks. dist. mkd. ¼ S 35 B T. Descend.
58.00	Leave Aspen, bears E and W.
60.50	Creek, 6 lks. wide in ravine 600 ft. deep, course N.E. Ascend.
69.00	Point of Spur, projects S. Descend.
77.60	Creek 3 lks. wide in hollow, 40 ft. deep, course S E.Asc.
80.06	The cor. of secs. 26, 27, 34 and 35.
	Land mountainous
	Soil stony, 3rd. and 4th. rate.
	Timber, Aspen.
	Mountainous land, heavy timber and dense undergrowth.
	80.06 chs.

CHAINS	
	N.0°03' W. bet. secs. 26 and 27.
	Descending over stony ground.
3.00	Spring Branch 3 lks. wide, in ravine 50 ft. deep, course SE.
	Ascend.
9.00	Enter scrub Aspen, bears S E and N W.
13.00	Point of spur, projects S W.
	Descend.
30.00	Draw and spring branch, course S 30° W.
	Ascend.
40.00	Set a sandstone 18X8X6 ins. 12 ins. in the ground for ¼ sec. cor, mkd. ¼ on W. face, from which,
	An Aspen 3 ins. in diam. bears N. 30° E. 18 lks. dist. mkd. ¼ S 26 B T.
	An Aspen 3 ins in diam. bears S.72°W. 24 lks. dist. mkd. ¼ S 27 B T.
75.00	Ridge, bears E and W.
	Descend.
80.00	Set a sandstone 20X8X6 ins. 15 ins. in the ground for cor. of secs 22, 23, 26 and 27, mkd. with 2 notches on E and S. edges, from which,
	An Aspen 8 ins. in diam. bears N. 61° E. 25 lks. dist. mkd. T 4 S R 12 W S 23 B T.
	An Aspen 10 ins. in diam. bears S. 57° E. 35 lks. dist. mkd. T 4 S R 12 W S 26 B T.
	An Aspen 8 ins. in diam. bears S. 33° W. 39 lks. dist. mkd. T 4 S R 12 W S 27 B T.
	An Aspen 7 ins. in diam. bears N. 34° W. 30 lks. dist. mkd. T 4 S R 12 W S 22 B T.
	Land mountainous.
	Soil stony, 3rd. and 4th. rate.

SUBDIVISION T. 4 S., R. 12 W., U. S. B. & M.

CHAINS	
	Timber small young aspen
	Mountainous land covered with dense young aspen 80.00 chs.
	June 13, 1904; at this corner I set off 23°14' N. on decl
	arc. and at 12h [illegible] m. l.m.t. observed the sun on the meridian
	The resulting latitude is 40°07' N.
	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 3 lks. N. of cor. of secs. 23, 24, 25 and 26
	Thence I run
	S. 89°59' W. on a true line bet. secs. 23 and 26.
	Ascend over broken S. slope, through dense sagebrush.
11.00	Enter dense young aspen and chokecherry brush; bears N. 20° E. and SE.
40.00	Set a sandstone 12x12x6 ins. 8 ins. in the ground for ¼ sec. cor. mkd ¼ on N. face from which
	An aspen 4 ins. diam., bears N. 10 lks dist.
	mkd. ¼ S. 23 B. T.
	An aspen 4 ins. diam. bears S. 50° E. 13 lks dist.
	mkd. ¼ S. 26 B. T.
64.70	Ridge, bears NE. and SW. Descend.
76.50	Hollow, course N.; ascend.
80.00	The cor. of secs. 22, 23, 26 and 27
	Land mountianous
	soil gravelly, 3rd rate.
	Timber, young aspen.
	Mountianous land covered with heavy timber and dense undergrowth 80.00 chs.

SUBDIVISION T. 4 S. R. 12 W. U. S. B. & M.

CHAINS	
	N.0962'W.bet. secs. 22 and 23
	Descending through heavy aspen and dense chokecherry and sagebrush.
30.00	Leave heavy, enter scattering aspen timber bears NE. and SW.
36.60	Spring branch, 2 lks. wide, in ravine 500 ft. deep, course E. Ascend.
40.00	Set a sandstone 14x10x10 ins. 9 ins. in the ground for ¼ sec. cor. mkd. + on W. face. from which An aspen 5 ins. diam., bears S. 45° W. 91 lks dist. mkd. ¼ S. 22 B. T. An aspen 16 ins. diam., bears S. 1° E. 55 lks dist. mkd. ¼ S. 23 B. T.
58.00	Enter heavy aspen, bears E and W.
59.00	Ridge, bears E. and W.; descend.
80.00	Set a sandstone 16x12x4 ins. 11 ins. in the ground for cor. of secs. 14, 15, 22 and 23 mkd. with 3 notches on S. and 2 notches on E. edge. from which an aspen 7 ins. diam, bears N. 36° E. 6 lks. dist. mkd. T. 4 S. R. 12 W. S. 14 B. T. An aspen, 5 ins. diam. , bears S. 31° E. 22 lks. dist mkd. T. 4 S. R. 12 W. S. 23 B. T. An aspen 12 ins diam., bears S. 53° W. 23 lks dist. mkd. T. 4.S. R. 12 W. S. 22 B. T An aspen 6 ins. diam., bears N. 38° W. 11 lks. dist. mkd. T. 4 S. R. 12 W. S. 15 B. T.
	Land mountianous
	Soil stony. 3rd rate.
	Timber aspen.
	Mountianous land heavily timbered, and covered with dense undergrowth 80.00 chs.

SUBDIVISION T. 4 S. R. 12 W. U. S. B. & M.

CHAINS.	
	N. 89°59' E. on a random line bet. secs. 14 and 23.
40.00	Set temp. ¼ sec.
79.96	Intersect N. and S. line 7 lks S. of cor. of secs. 13, 14 23 and 24
	Thence I run
	S. 89°56' W. on a true line bet. secs. 14 and 23
	Descending along broken N. slope through heavy aspen timber.
39.98	Set a sandstone 15x12x6 ins. 10 ins. in the ground for ¼ sec. cor. mkd. ¼ on N. face from which
	An aspen 6 ins. diam., bears N. 25° E. 27 lks dist. mkd. ¼ S. 14 B. T.
	An aspen 7 ins. diam., bears S. 30° E. 22 lks. dist. mkd. ¼ S. 23 B. T.
	Along broken N. slope
79.96	The cor. of sec. 14, 15, 22 and 23
	Land mountianous,
	Soil, gravelly, 3rd rate.
	Timber, aspen.
	Mountianous and heavily timbered land 79.96 chs.

	N. 0°02' W. bet. secs. 14 and 15
	Descending over mountianous land through heavy aspen timber and dense chokecherry brush.
17.00	Ravine 200 ft. deep, course NE.; ascend.
35.00	Spur, projects N E. Descend.
40.00	An aspen 5 ins. diam. for ¼ sec. cor. I mark ¼ S. 15 on W. and 14 on E. side from which
	An aspen 8 ins. diam., bears S. 77° W. 11 lks dist. mkd. ¼ S. 15 B. T..

SUBDIVISION T. 4 S., R. 12 W., U. S. B. & M.

CHAINS.

An aspen 7 ins. diam., bears East 24 lks. dist. mkd. ¼ S. 14 B. T.

68.00 Ravine 500 ft. deep, course East. Ascend. Leave aspen.

80.00 Set a sandstone 15x8x6 ins. 10 ins. in ground for cor. secs. 10, 11, 14 and 15 mkd. with 4 notches on S. and 2 on E. edge.; dig pits18x18x12 ins. in each section, 5½ ft. dist.; and raise a mound of earth 4 ft. base, 2 ft. high W. of cor.

Land mountianous.

Soil, gravelly, 3rd rate.

Timber, aspen

Mountianous and heavily timbered land covered with dense undergrowth, 80.00 chs.

N. 89°56' E. on a random line bet. secs. 11 and 14.

40.00 Set temp. ¼ sec. cor.

79.94 Intersect N. and S. line 4½ lks S. of cor. of sec. 11, 12 13 and 14.

Thence I run.

S. 89°54' W. on a true line bet. secs. 11 and 14 along broken S. slope.

39.97 Set a sand stone 15x8x5 ins. 10 ins. in the ground for ¼ sec. cor. mkd. ¼ on W. face; raise a mound of stone 2 ft base 1½ ft. high W. of cor. ;from which

An aspen 5 ins. diam., bears N. 79° E. 54 lks. dist. mkd. ¼ S. 11 B. T. No other bearing trees within limits;raise a mound of stone 2 ft.base 1½ ft.high N.of cor.

44.50 Enter aspen, bears N. and S.

76.50 Leave heavy aspen, bears N. and S.

79.94 The cor. of secs. 10, 11 14 and 15

SUBDIVISION T. 4 S. R. 12 W. U. S. B. & M.

CHAINS.

Land mountianous

Soil, stony, 4th rate.

Timber, aspen

Mountianous and heavily timbered land, 79.94 chs.

June 13, 1904.

June 14th: at 8h. A.M. l.m.t. I set off 40°09' N. on lat arc. 23°17' N. on decl arc. and determine a meridian at the cor. of secs. 10, 11, 14 and 15

Thence I run

N.0°.02' W. bet. secs. 10 and 11 ascending over mountainous land through dense sagebrush, chokecherry and deerbrush.

10.00 Ridge, bears E. and W. ; enter aspen and scattering pine timber, bears E and W. Descend over broken ground sloping N.E.

40.00 Set a sandstone 15x8x6 ins. 10 ins. in ground for ¼ sec. cor. mkd ¼ on W. face from which

An aspen 8 ins. diam., bears N. 62° E. 30 lks dist. mkd. ¼ s. 11 B. T.

An aspen 6 ins. diam. bears S. 74° W. 58 lks dist. mkd. ¼ s. 10 B. T.

80.00 Set a sandstone 13x10x6 ins. 8 ins. in ground for cor of sec. 2, 3, 10 and 11 mkd with 5 notches on S. and 2 notches on E. edge from which

An aspen 11 ins. diam., bears S. 66° E. 19 lks dist. mkd T. 4 S. R. 12 W. S. 11 B. T.

An aspen 16 ins. diam., bears S. 25° W. 30 lks dist. mkd. T. 4 S. R. 12 W. S. 10 B. T.

SUBDIVISION T. 4 S. R. 12 W. U. S. B. & M.

CHAINS

An aspen 14 ins. diam., bears N. 69½° W. 41 lks. dist. mkd. T. 4 S. R. 12 W. S. 3. B. T..

An aspen 8 ins. diam., bears N. 25½° E. 84 lks. dist. mkd. T. 4 S. R. 12 W. S. 2 B. T.

Land, mountianous.

Soil, gravelly, 3rd rate.

Timber, aspen. and pine.

Mountianous and heavily timbered land covered with dense undergrowth. 80.00 chs.

N:89°54'E on random line bet. secs. 2 and 11 .

40.00 Set temp. ¼ Sec. cor

79.98 Intersect N. and S. line 9 lks. N. of cor. of secs. 2, 3, 10 and 11

Thence I run

S. 89°58' W. on a true line bet. secs. 2 and 11.

Ascending along broken S. slope through scattering aspen timber.

11.00 Enter heavy aspen timber and dense chokecherry brush, bear NW and SE.

39.99 Set an aspen post 3 ft long, 4 ins. square, 24 ins. in the ground for ¼ sec. cor. mkd. ¼ S. 2 on N. and 10 on S. face from which

An aspen 5 ins. diam. bears N. 36° W. 28 lks dist mkd. ¼ S. 2 B. T.

An aspen 5 ins. diam. bears S. 25° E. 60 lks dist. mkd. ¼ S. 11 B. T.

46.00 Descend along broken south slope.

76.00 Spring branch. 2 lks. wide, in ravine 500 ft. deep, course SE. ascend along NE. slope.

SUBDIVISION T. 4 S. R. 12 W. U. S. B. & M.

CHAINS	
79.98	The cor. of secs. 2, 3. 10 and 11.
	Land mountianous.
	Soil, gravelly; 3rd rate.
	Timber, aspen.
	Mountianous and heavily timbered land covered with dense undergrowth, 79.98 chs.

0	N.0°02'W. on a random line bet. secs. 2 and 3
40.00	Set temp. ¼ sec. cor.
79.98	Intersect N. bdy of Tp. 2 lks W. of cor. of sec. 2, 3, 34 and 35, heretofore described.
	Thence I run
	S.0°05.01' E. bet. secs. 2 and 3 on a true line,
	Ascending through heavy aspen, scattering pine timber and dense chokecherry brush.
18.00	Ridge, bears N. 70° W. and S. 70° E.; descend
25.00	Ravine 250 ft deep, course E. asc.
39.98	Set a sandstone 24x12x9 ins. 18 ins. in the ground for ¼ sec. cor. mkd. ¼ on W. face, from which ,
	An aspen 7 ins. in diam., bears S. 61° E. 36 lks dist mkd. ¼ S. 2 B. T.
	An aspen 6 ins. diam., bears N. 51 ° W. 42 lks dist. mkd. ¼ S. 3. B. T.
53.50	Spur projects E.; descend.
79.98	The cor. of secs. 2. 3, 10 and 11.
	Land mountianous.
	Soil gravelly, 2nd and 3rd rate.
	Timber, aspen

SUBDIVISION T. 4 S. R. 12 W. U. S. D. & M.

CHAINS.	
	Mountianous and heavy timbered land covered with dense undergrowth, 79.98 chs.
	June 14, 1904: At this cor. I set off 23°17' N. on decl arc and at 12hs. m.l.m. to observe the sun on the meridian.; the resulting lat. is 40°11' N.
	From standard cor. of secs. 33 and 34, on S. bdy., of Tp. heretofore described, I run, N. 0°08' W. bet. secs. 33-34 Descending over mountianous land through dense chokecherry brush,
3.00	Enter aspen, bear W and S. 60° E.
5.00	Draw, course S. 65° E. ; ascend.
14.00	Spur projects S. 60° W.; Leave aspen, bear S. 60° W., and N 60° E; Descend.
22.00	Enter aspen timber, bears E and W.
27.50	Ravine 250 ft. deep, course E. ; leave standing aspen; enter fallen timber, bears E and W.; ascend.
35.00	Spur projects E.; enter aspen, bears E and W. ; Descend.
40.00	Set a sandstone 14x12x4 ins. 10 ins. in the ground for ¼ sec. cor. mkd. ¼ on W. face from which An aspen 8 ins. diam., bears N. 86° E. 26 lks. dist mkd. ¼ S. 34 B. T. An aspen 6 ins. diam., bears S. 12° W. 10 lks dist. mkd. ¼ s. 33 B. T.
50.00	Ravine 300 ft. deep, course E.; ascend.
70.00	Spur projects SE; descend. Leave aspen; bears NE. and N.W.
80.00	Set a sandstone 14x8x6 ins. 10 ins. in ground for cor. of secs. 27, 28, 33 and 34 mkd with 1 notch on S. and 3 notches on E. edge. raise mound of stone 2 ft base, 1½ ft

SUBDIVISION OF T.4 S.R.12 W.,U.S.B.& M.

Chains.	
	high W.of cor.
	Land mountainous.
	Soil stony;4th rate.
	Timber aspen.
	Mountainous land;heavily timbered and covered with dense undergrowth 80.00 chs.

	E.on a random line bet.secs.27 and 34
40.00	Set temp.$\frac{1}{4}$ sec.cor.
79.70	Intersect N.and S.line 23 lks.N.of the cor.of secs.26, 27,34,and 35;thence I run
	N.89°50'W.on a true line bet.secs.27 and 34
	Ascending over broken country;through dense sagebrush.
1.50	Top of small knoll;descend.
6.50	Hollow 50 ft.deep,course N.;ascend.
21.50	Enter scrub aspen and dense chokecherry;leave sagebrush bears N.and S.
32.00	Leave heavy aspen;enter scattering small aspen;leave chokecherry brush,bears N.and S.
38.00	Enter dense chokecherry brush,bears N.and S.
39.85	Set a cobblestone 14x8x6 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.
	Ascend along broken S.slope.
41.00	Leave chokecherry and small scattering aspen bear N.and SE.;descend.
50.00	Saddle in ridge bearing N.80°E.and S.80°W.,bears N.and SE.;ascend along ridge.
53.00	Enter scattering aspen timber and dense chokecherry brush-bearing N.and S.
57.00	Enter heavy pine and aspen bearing NW.and SE.
67.00	Spur ridge bears NW.and E.;leave timber bears N.and S. Descend.
76.00	Draw 50 ft.deep,course S.;ascend.

Chains.

79.70 The cor.of secs.27,28,33,and 34.

Land mountainous.

Soil stony;3d and 4th rate.

Timber aspen and pine.

Mountainous and heavily timbered land covered with dense undergrowth 79.70 chs.

N.0°02'W.bet.secs.27 and 28.

Ascending over stony ground.

3.40 Intersect West Boundary of Uintah Indian Reservation.

Set a sandstone 14x12x5 ins.10 ins.in the ground for closing cor.of secs.27 and 28,marked CCUIR on E.,PL on W.;3 grooves on E.and 1 groove on S.face;and raise a mound of stone 3 ft.base 2 ft.high S.of cor.

From the closing cor.the half-mile cor.between the 115th and 116th mile corners on the bdy.,as established by Deputies A.H.and F.M.Brown,bears as follows:

N.39°45'E.2.83 chs.to angle cor.;thence N.6°30'W.13.00 chs.to ½ mile post bet.the 115th and 116th.mile cors. Thence N.6°30'W.3.00 chs.; and at 21.48 chs.intersect Line bet.secs.27 and 28. Thence N.0°02'W.18.35 chs.,intersect W.bdy.of the Uintah Indian Reservation 17.58 chs.S.52°45'W.of 116 mile cor.

Land mountainous.
Soil rocky; 4th rate.
No timber.
Mountainous land on 21.75 chs.

Knowing that I will intersect the West Boundary of the Uintah Indian Reservation within 80.00 chs.,I run,from the corner of secs.27,28,33,and 34,

West on a true line bet.secs.28 and 33

Through scattering aspen timber:

2.83 Intersect West Boundary of Uintah Indian Reservation,

Set a sandstone 14x12x4 ins.10 ins.in the ground for closing cor.of secs.28 and 33,marked CCUIR on E.,PL on W.;3 grooves on E.and 1 groove on S.face;from which

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Chains.

An aspen 16 ins.diam.bears S.33°E.139 lks.dist. marked UIR T 4 S R 12 W S 33 B T

No other bearing trees within limits;raise a mound of stone 3 ft.base 2 ft.high E.of cor.

From the closing cor.the 115th mile cor.on the bdy.as established by Deputies A.H.and F.H.Brown bears S.39°45' W.,19.95 chs.

Land mountainous.

Soil stony;4th rate..

Timber aspen.

Mountainous land 2.83 chs.

June 14,1904.

June 15,1904,at 8 h.a.m.l.m.t.I set off 40°07'N.on lat. arc;23°20'N.on decl.arc;and determine a meridian with the solar at the cor.of secs.22,23,26,and 27.

Knowing that I will intersect the West Bdy.of the Uintah Indian Reservation within 80.00 chs.I run

West on a true line bet.secs.22 and 27

Ascending over mountainous land;through dense choke-cherry,briar,and deer brush;through heavy aspen timber; along broken N.slope.

40.00 Set an aspen post 3 ft.long 4 ins.sq.,24 ins.in the ground for ¼ sec.cor.,marked ¼ S 22 on N.and 27 on S. face;from which

An aspen 4 ins.diam.bears N.8°W.8 lks.dist. marked ¼ S 22 B T

An aspen 4 ins.diam.bears S.4°E.7 lks.dist. marked ¼ S 27 B T

41.00 An old sheep corral 1 ch.N.of line.

48.80 Intersect West Boundary of Uintah Indian Reservation.

Set a sandstone 15x15x3 ins.10 ins.in the ground for closing cor.of secs.22 and 27,marked CCUIR on E.PL on W., 3 grooves on E.and 2 grooves on S.face;from which

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Chains

An aspen 6 ins.diam.bears N.43°E.28 lks.dist.
marked U I R T 4 S R 12 W S 22 B T
An aspen 6 ins.diam.bears S.45°E.24 lks.dist.
marked U I R T 4 S R 12 W S 27 B T

From the closing cor.the half mile cor.bet.the 116th and 117th mile cors.on the boundary,as established by Deputies A.H.and F.M.Brown bears N.17°45'E.5.00 chs.dist.

Land mountainous.

Soil loam;1st and 2d rate.

Timber aspen.

Mountainous land;heavily timbered and covered with dense undergrowth 48.80 chs.

Knowing that I will intersect the West Boundary of the Uintah Indian Reservation within 80.00 chs.I run,from the cor.of secs.14,15,22,and 23

West on a true line bet.secs.15 and 22

Ascending over mountainous land;through heavy aspen timber and dense chokecherry and briar brush.

26.87 Top of divide bears N.5°E.and S.9°W.

Intersect West Bdy.of Uintah Indian Reservation,

Set an aspen post 3 ft.long 5 ins.sq.,24 ins.in the ground,for closing cor.of secs.15 and 22,marked

U I R T 4 S R 12 W on E.;
S 15 on N.; S 22 on S.;and P L on W.face;
with 3 grooves on S.and 2 grooves on E.face;from which

An aspen 5 ins.diam.bears N.52½°E.29 lks.dist.
marked U I R T 4 S R 12 W S 15 B T

An aspen 4 ins.diam.bears S.47°E,39 lks.dist.
marked U I R T 4 S R 12 W S 22 B T

From the closing cor.the half-mile cor.bet.the 117th and 118th mile cors.on the bdy.,as established by Deputies A.H.and F.M.Brown,bears N.42½'E.1.58 chs.dist.

SUBDIVISION OF T.4 S.R.12 W.,U.S.B.& M.

Chains.	
	Land mountainous.
	Soil loam;1st and 2d rate.
	Timber aspen.
	Mountainous land;heavily timbered,and covered with dense undergrowth 26.87 chs.
	Knowing that I will intersect the West Boundary of the Uintah Indian Reservation within 80.00 chs.I run,from the cor.of secs.10,11,14,and 15,
	West on a true line bet.secs.10 and 15.
	Ascending over mountainous land;through heavy aspen timber and dense chokecherry brush.
31.65	Intersect West Boundary of Uintah Indian Reservation, Set an aspen post 3 ft.long 5 ins.sq.,24 ins.in the ground for closing cor.of secs.10 and 15,marked
	C C U I R T 4 S R 12 W on E.face;
	S 15 on S.;S 10 on N.;and P L on W.face;with 4 grooves on S.and 3 grooves on E.face;from which
	An aspen 12 ins.diam.bears N.12°E.88 lks.dist.
	marked U I R T 4 S R 12 W S 10 B T
	An aspen 10 ins.diam.bears S.89°E.133 lks.dist.
	marked U I R T 4 S R 12 W S 15 B T
	From the closing cor.the half-mile cor.bet.the 118th and 119th mile cors. on the bdy.,as established by Deputies A.M.and F.M.Brown bears N.5°W.0.74 chs.
	Land mountainous.
	Soil stony;3d rate.
	Timber aspen.
	Mountainous land;heavily timbered and covered with dense undergrowth 31.65 chs.
	June 15: At this cor.I set off 23°20'N.on decl.arc;and at 12 h.M.l.m.t.observe the sun on the meridian;the resulting lat.is 40°09'N.

SUBDIVISION OF T.4 S.R.12 W.U.S.B.& M.

Chains. Knowing that I will intersect the West Boundary of the Uintah Indian Reservation within 80.00 chs.,I run,from the cor.of secs.2,3,10,and 11,

West on a true line bet.secs.3 and 10

Ascending over mountainous land;through dense undergrowth and heavy aspen timber.

40.00 Set a sandstone 18x10x8 ins.12 ins.in the ground for ¼ sec.cor.,marked ¼ on N.face;from which

An aspen 10 ins.diam.bears S.20°E.15 lks.dist.

marked ¼ S 10 B T

An aspen 7 ins.diam.bears N.20°W.21 lks.dist.

marked ¼ S 3 B T

Leave aspen bears N.and S.

43.75 Top of divide bears N.6°E.and S.6°W.;descend.

Enter aspen timber and chokecherry brush,bears N.and S.

Intersect West Boundary of Uintah Indian Reservation,

Set a sandstone 16x10x9 ins.11 ins.in the ground for closing cor.of secs.3 and 10,marked

C C U I R on N.

P L on W.,with

5 grooves on S.and 3 grooves on E.face;from which

An aspen 6 ins.diam.bears N.49°E.14 lks.dist.

marked U I R T 4 S R 12 W S 3 B T

An aspen 6 ins.diam.bears S.67½°E.21 lks.dist.

marked U I R T 4 S R 12 W S 10 B T

From the closing cor.the 120th mile cor.,on the bdy.,as established by Deputies A.H.and F.M.Brown,bears N.2°E. 19.52 chs.to mile post No.120.

Land mountainous.

Soil gravelly;3d and 3d rate.

Timber aspen.

Mountainous land;heavily timbered or covered with dense undergrowth 43.75 chs.

June 15,1904.

GENERAL DESCRIPTION T.4 S.R.12 W.,U.S.B.& M.

The land in this township is all mountainous. The soil,with the exception of narrow strips along the larger streams,is of a gravelly character.

There is a great deal of aspen timber found in the township,although most of it is quite small and of little use. Dense undergrowth of chokecherry is found among the aspen,and covering most of the slopes of the higher mountains. The lower hills and valleys are covered with a heavy growth of sagebrush.

All the streams of this township,with the exception of a fork of Bryant Creek,in secs.1 and 2,drain in an easterly direction to Indian Creek.

There are no settlers in the township,the land being of such a character that it is impracticable to farm it;it is,however,valuable for grazing,although at present it is very much overstocked.

I found no indications of mineral in the township.

James McLeod

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 final affidavits see book "P" T.1 S.R.12 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 .....

For final affidavits see book "P" T.1 S.R.12 W. ....., *Chainman.*

....., *Chainman.*

....., *Moundman.*

....., *Moundman.*

....., *Axman.*

....., *Axman.*

....., *Flagman.*

.....

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

SEAL

.....

.....

6—161

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 affidavits see book "P" T.1 S.R.12 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; and should any fraud be detected, I will suffer the penalty of perjury under the provisions of an Act of Congress approved August 8, 1846.

_____

United States Deputy Surveyor.

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

_____

SEAL

_____

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, December 31, 1904.

The foregoing field notes of the survey of the Subdivisional lines of Township No. 4 South, Range No. 12 West of the Uintah Special Base and Meridian, Utah,

executed by James H. Lentz under his contract No. 280, dated July 22, 1903, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Edward M. Anderson

United States Surveyor General.

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

_____

United States Surveyor General.

4-201

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4—670.

BOOK A-315

FILED
OCT 31 1904

D.

FIELD NOTES

OF THE SURVEY OF THE

West and North
Boundaries
of
Township No. 3 South
Range No. 11 West

Of the Uintah Special Base and Meridian,
In the State of Utah

AS SURVEYED BY

James M. Lentz, United States Deputy Surveyor,

Under his Contract No. 280, dated July 22nd, 1903

Survey commenced June 15th, 1904

Survey completed " 18th, 1904

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W. Bdy high 5-19-00
low 61-00

N. Bdy high 5-79-04

BOOK A-315

NAMES AND DUTIES OF ASSISTANTS.

William Longacker	Chainman
Samuel M. Ballard	"
Della A. McBride	Rodman
John N. Cravens	Axman
Lawrence Swan	"
David J. Marchant	Flagman

For preliminary affidavits see book "B" T.4 S.R.12 W.

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BOOK A-315

INDEX DIAGRAM.

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

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

Meanders Page.....

PRELIMINARY OATHS OF ASSISTANTS.

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

_____

_____, *Chainman.*

_____, *Chainman.*

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

WEST BOUNDARY OF T. 3 S., R.11 W.,U.S.B.& M.

Survey commenced June 15, 1904, and executed with the instrument described in Book "A" of this survey.

At the cor. of townships 3 and 4 S., Rgs. 11 and 12 W.,which is a sandstone 6x10x10 ins. above ground, firmly set, mkd.and witnessed as described by Deputies Hubert D. Page and Byron S. Kershaw, under contract No. 279,lat.40°10'41"N.; long.111°12'46"W., I examine the adjustments of the transit and find them correct; then in order to test the solar apparatus by comparing its indications resulting from solar observations made during p.m.and a.m. hours with a mer.determined by Polaris observation, I proceed as follows:

I set off 40°11'N.on lat. arc;23°30½'N.on decl.arc; and at 4h.0m.p.m.l.m.t.,determine a meridian with the solar, and mark a point thereof on a stone firmly set 5 chs. N. from my station.

June 15, 1904.

June 16, 1904; At 1h.52m. a.m.,l.m.t. I observe Polaris at eastern elongation in accordance with the Manual of Instructions and mark a point in the line thus determined by a tack driven in a wooden peg set firmly in the ground 5 chs. N. of my station.

At 7h.a.m.,I lay off the azimuth of Polaris 1°34½' to the west,and mark the meridian thus determined by a groove cut in the stone set June 15. The true meridian as determined by Polaris falls on the pole held on the mark determined by solar observation made June 15.

At 8h. a.m. l.m.t. I set off 40°11'N. on lat. arc; 23°22'N.on decl.arc; and determine a true meridian with the solar. The meridian thus determined falls on the

WEST BOUNDARY OF T.3 S.,R.11 W.U.S.B.& M.

CHAINS	
	pole held on the mark determined by p.m. solar observation and tested by Polaris observation as recorded above. Therefore, I conclude that the adjustments of the instrument are satisfactory.
	Thence I run,
	N. on a true line bet. secs. 31 and 36.
	Across rolling bottom land; through dense sage brush.
3.90	Bryant Fork Creek, 15 lks. wide, course east.
9.00	Leave sage brush, bears NE. and NW.
13.00	Enter dense sage brush, bears SE. and SW.
25.75	Spring branch 2 lks. wide, course SE.
30.00	Begin asc. foot of mountain bears E. and W.
40.00	Set a sandstone 14x12x6 ins. 10 ins. in the ground for $\frac{1}{4}$ sec. cor. mkd. $\frac{1}{4}$ on W. face; and raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor.
55.00	Spur projects E.
	Descend.
59.50	Draw, course SE. Asc.
70.00	Top of ridge bears NW. and SE.
	Descend.
80.00	Set a cobble stone 16x12x8 ins. 11 ins. in the ground for cor. of secs. 25,30,31 and 36,marked with 1 notch on south and 5 notches on north edge; and dig pits 18x18x12 ins. in each sec.$5\frac{1}{2}$ ft. dist.,and raise a mound of earth 4 ft. base, 2 ft. high west of cor.
	Land mountainous and bottom land.
	Soil gravelly and loam; 2nd and 3rd rate.
	No timber.
	Mountainous land and land covered with dense undergrowth. 76.00 chs.

	N. bet. secs. 25 and 30.
	Desc.over mountainous land;through dense sage brush.
9.00	Hollow, course SE.
	Ascend.

West Boundary, T. 3 S. R. 11 W. U. S. B. & M.

CHAINS	
35.00	Spur projects W.; descend.
40.00	Set a sandstone 18x8x6 ins, 12 ins in the ground for 1/4 sec. cor. mkd; 1/4 on W. face; dig pits, 18x18x12ins. N. and S. of stone 3 ft. dist; and raise a mound of earth, 3 1/2 ft. b base, 1 1/2 ft. high, west of cor.
52.00	Entering scattering aspen, bears E. and W.
56.00	Leave aspen, bear E and W.
72.25	Spring branch 2 lks wide, course NE.
80.00	Set a sandstone 16x9x7 ins.11 ins.in ground for cor. of secs. 19, 24, 25 and 30 mkd with 2 notches on S. and 4 notches on N. edge; and dig pits 18x18x12ins. in each sec. 5 1/2 ft. dist; and raise a mound of earth 4ft. base 2 ft high, W. of cor.
	Land mountainous
	Soil gravelly; 3rd rate.
	Timber aspen
	Mountainous land covered with dense undergrowth 80.00 chs.
	N. bet secs. 19 and 24 descending through dense sage brush.
15.38	Road, bears E. and W.
18.50	Enter dense willows; leave sage brush, bears E. and W.
20.10	Creek 20 lks wide; course S. 60° E.; leave willows, enter dense sage brush; bears S. 60° E. and N. 60° W.
26.35	Leave sage brush, enter dense willows; bear NW. and SE.
26.45	Creek 4 lks wide; course SE. leave willows, enter dense sage brush. bears NW. and SE.
30.00	Begin steep asc., bears NW. and SE.
40.00	Set a sandstone 12x10x8ins 8 ins in the ground for 1/4 sec cor. mkd. 1/4 on W face; raise a mound of stone 2 ft. base 1 1/2 ft. high, west of cor.

West Boundary T. 3 S. R. 11 W. U. S. B & M.

Chains.	
	Descend.
47.00	Hollow course SW. Ascend.
75.50	Spur ridge bears SE. and N. 20° W. Enter dense scrub aspen. Descend.
79.00	Leave scrub aspen., bears SE. and NW.
80.00	Set a sandstone. 18x10x8ins, 12 ins. in ground for cor., of secs. 13, 18, 19 and 24., mkd with 3 notches on S. and N edges and raise a mound of stone 2 ft. base, 1½ ft. high, W. of cor.
	Land mountainous
	Soil gravelly and loam; 2nd and 3rd rate.
	Timber aspen..
	Mountainous land covered with dense undergrowth 80.00 chs.
	The day being cloudy at noon, I am unable to make a lat. observation.

	N. bet. secs. 13 and 18. descending broken east slope; through dense sage brush.
10.00	Saddle in ridge bears E and W.
20.00	Enter aspen, bear E. and W. asc. along eastern slope.
36.00	Spur projects E. ; leave aspen, bear E. and W. decend.
40.00	Set a sandstone 15x8x6ins. 10ins. in the ground for ¼ sec. cor. mkd. ¼ on W. face; raise a mound of stone 2ft base, 1½ ft high, west of cor.
75.85	Road, bears NW. and SE.; foot of slope bears NW. and SE.
80.00	Set a cobblestone 18x18x10 ins. 12 ins. in ground for cor. of secs. 7, 12, 13 and 18, mkd. with 4 notches on S. and 2 notches on N. edge; dig pits 18x18x12 ins. in each sec. 5½ ft. dist.; raise a mound of earth 4 ft. base 2 ft. high W. of cor.
	Land mountainous and rolling bottom land.

Chains.	
	Soil stony; 3d rate.
	Timber aspen.
	Mountainous land, covered with dense undergrowth 80.00 chs.
	North bet.secs.7 and 12.
	Over rolling bottom land.
4.00	Strawberry River, 60 lks.wide, course SE.
5.00	Enter dense willows, bear NW. and SE.
12.00	Strawberry River course SW.; along river.
15.00	Leave Strawberry River, flows from E.
16.00	Leave dense willows, bear NW. and SE.
17.30	Strawberry River 75 lks.wide, course SE.
19.00	Road bears E. and W.
40.00	Set a mahogany post, 3 ft.long, 4 ins.sq., with mkd. stone, 24 ins.in the ground,for 1/4 sec.cor., mkd. 1/4 S 7 on E.face, 12 on W.face; dig pits 18x18x12 ins.N. and S. of post 3 ft.dist.; and raise a mound of earth 3½ ft. base 1½ ft.high west of cor.
52.90	Road bears E. and W. Heber to Vernal.
68.00	Enter dense willows; ascend.
68.75	Co-op Creek, 20 lks.wide, course SW.
69.45	Co-op Creek,course SE.
70.25	Co-op Creek, course SW.
73.25	Spring branch, 4 lks.wide, course SW.
80.00	Set a sandstone 15x10x6 ins.,10 ins.in the ground,for cor.of secs.1,6,7, and 12, mkd. with 5 notches on S.and 1 notch on N.edge; dig pits 18 x18x12 ins.in each sec. 6½ ft.dist.; and raise a mound of earth 4 ft.base 2 ft. high west of cor.
	Land rolling bottom land.
	Soil loam; 1st class.
	No timber.

WEST BOUNDARY OF T.3 S., R.11 W., U.S.B.& M.

Chains.	
	Land covered with dense willows, 23.00 chs.
	North bet.secs.1 and 6,
	Ascend through dense willows.
2.80	Leave willows; enter dense sagebrush, bears NE. and SW.
7.25	Road bears N.85°E. and S.85°W.
11.00	Road bears NE. and SW.
40.00	Set a sandstone 15x12x6 ins., 10 ins.in theground,for $\frac{1}{4}$ sec.cor., mkd. $\frac{1}{4}$ on W.face; dig pits 18x18x12 ins.N. and S.of stone 3 ft.dist.; and raise a mound of earth $3\frac{1}{2}$ ft.base, $1\frac{1}{2}$ ft.high W.of cor.
57.00	Leave bottom land; begin steep ascent foot of hill, bears NE. and SW.
80.00	Set a sandstone 14x10x8 ins.10 ins.in the ground,for cor.of Tps.2 and 3 S., Rs.11 and 12 west, marked 2 S on NE., 11 W on SE., 3 S on SW.; and 12 W on NW.face; with 6 notches on each edge; and raise a mound of stone 2 ft.base $1\frac{1}{2}$ ft.high S.of corner.
	Land mountainous and bottom land.
	Soil stony and loam; 2nd and 3d rate.
	Mountainous land or land covered with dense undergrowth 80.00 chs.
	June 16, 1904.

For general description see subdivision of this township.

Chains. June 17, 1904; at the corner of Tps. 2 and 3 S. Rs. 10 and 11 W. which is a sandstone 5x10x8ins above ground firmly set and marked and witnessed as described by Deputies. Hubert D. Page and Byron S. Kershaw, under contract No. 279, I set off 40°16' N. on lat. arc; 23°24' N. on decl. arc; and at 8h. a.m. l. m. t. determine a mer. with the solar.

Thence I run,

W. on a random line along the N. bdy. of Tp. 3 S. rg. 11 W. setting temp. ¼ sec. and sec. cors. at intervals of 40.00 chs., and at 479.04 chs intersect N. and S. line. 104 lks. S. of the cor. of Tps. 2 and 3 S. Rs. 11 and 12 W, previously described.

The falling answers to correction of 7' or 17.3 lks N per mile, counting from the NE. cor of the Tp., therefore I run

S. 89°53' E. bet. secs. 6 and 31 marking and blazing true line; descending; through dense sagebrush.

19.15 Road, bears N. 10° W. and S. 10° E.

25.80 Co-op Creek 17 lks wide, course S. 10° W.; across rolling land; ascending gradually.

39.04 Set a cobble stone 15x8x8ins. 10ins. in the ground for ¼ sec. cor. mkd ¼ on the N. face; and raise a mound of stone 2 ft. base 1½ ft high, north of cor.

79.04 Set a cobble stone 16x11x5ins., 11 ins. in the ground for cor of secs. 5, 6, 31 and 32; mkd. with 5 notches on east and 1 notch on W. edge.; and raise a mound of stone 2ft. base, 1½ ft. high, west of corner.

Land rolling and level from here.

Soil gravelly and loam 2nd and 3rd rate.

No timber.

Mountainous land, and land covered with dense undergrowth

Chains. 79.04 chs.

June 17, 1904; at this cor. I set off 23° 24' N. on decl. arc and at 0 h.1 m.p.m. l. m. t., observe the sun on the mer. The resulting lat. is 40° 16' N.

S. 89° 53' E. bet. secs. 5 and 32 , ascending ; through dense sage over gravelly land.

40.00. Set a cobble stone 15x10x7 ins., 10ins. in the ground for ¼ sec. cor .. mkd.. ¼ on N.. face; raise a mound of stone 2ft. base 1½ ft. high, N. of cor. descend.

54.00 Hollow course SW. ascend.

71.70 Enter heavy aspen, bear NE. and SW.

80.00. Set a cobble stone 15x8x8ins., 10ins. in the ground for cor. of secs. 4, 5, 32 and 33 ; mkd. with 4 notches on E. and 2 notches on W. edge; from which

An aspen 4 ins. diam. bears N. 77° E. 19 lks dist. mkd. T 2 S R 11 W S 33 B T.

An aspen 4 in. diam. bears S. 28° E 19 lks dist., mkd. T 3 S R 11 W S 4 B T .

an aspen 4 ins. diam bears S. 82° W. 43 lks dist. mkd T 3 S R 11 W S 5 B T.

an aspen 4 in. diam bears N. 47° W. 39lks dist. mkd. T 2 S R 11 W S 32 B T.

Land rolling

Soil gravelly; 2nd and 3rd rate.

Timber aspen.

Land heavily timbered and covered with dense undergrowth 80.00 chs.

S 89° 53' E. bet. secs. 4 and 33 ascending over mountain-

Chains.	
	ous lands; through heavy aspen timber.
6. 50	Creek 3 lks wide, course S. 25° W.
7. 75	Creek 7 lks wide, course S. 30° W. Leave aspen, bear N. and S. steep ascent .
18.50.	Spur projects S.; descend
28.50	Ravine 200 ft. deep, course S.; ascend.
34.25	Spur projects S.; descend.
40.00	Set a sandstone 18x8x6ins., 12ins in the ground for ¼ sec. cor. mkd ¼ on N. face; and raise a mound of stone 2 ft. base, 1½ft high, N. of cor.
52.80	Hollow course S.; ascend.
67.50	Ridge bears N. 10° W. and S. 12° E., desc.
80.00	Set a cobble stone 15x10x6 ins., 10ins. in the ground for cor of secs. 3, 4, 33 and 34, mkd with 3 notches on E. and W. edges; and raise a mound of stone 2 ft. base, 1½ ft. high, W. of cor.
	Land mountainous
	Soil stony. 2nd and 3rd rate.
	Timber aspen.
	Mountainous land heavily timbered 80.00 chs.

	S. 89° 53' E. bet. secs. 3 and 34
	Descend over mountainous land through dense sage and deer brush.
6.00	Ravine 500 ft. deep, course SW. Enter aspen N. and S. asc.
20.00	Leave aspen, bear N. and S.
24.00	Ridge bears N and S., desc..
25.00	Enter heavy aspen bears N. and S.
35.10	Ravine 2oo ft deep course S. 10° E., asc.
40.00	Set a sandstome 16x10x4ins., 11 ins in the ground for ¼ sec. cor. mkd. ¼ on N. face; from which

Chains. an aspen 10ins. diam bears N. 15 lks. dist. mkd. ½ S 34 B T.

an aspen 12 ins. diam. bears S. 80° E. 24 lks dist. mkd. ¼ S 3 B T.

58.50 Ridge bears N. and S.; Descend. Leave aspen bears N. and S.

80.00 Set a sandstone 14x12x10ins., 10 ins. in the ground for cor. of secs. 2, 3, 34 and 35 mkd. with 2 notches on E. and 4 notches on the W. edge; and raise mound of stone 2ft. base 1½ ft. high, west of cor.

Land mountainous.

Soil stony, 3rd and 4th rate.

Timber aspen.

Mountainous and heavily timbered land 80.00 chs.

June 17, 1904.

June 18, 1904; I set off 40° 16' N. on lat. arc. 23°25' N. on decl. arc. and at 8h a. m. l. m. t. determine a meridan with the solar, at the cor. of secs. 2, 3, 34, and 35. Thence I run

S. 89° 53' E. bet. secs. 2 and 35.

Decending over mountainous land; through dense sage brush.

4. 50 Enter heavy aspen bear N. and S.; Trout Creek canon 800 ft deep. course SW.; ascend.

35.00 Leave aspen bear N. and S.

40.00 Set a sandstone 12x7x6 ins., 8 ins. in ground for ¼ sec. cor. mkd. ¼ on N. face; raise a mound of stone 2ft. base, 1½ ft. high, N. of cor.

49.00 Ridge bears N. and S.; Descend.

79.80 Ravine 500 ft. deep, course SE. ; ascend

80.00 Set a lime stone 18x12x10 ins. 12 ins in the ground for c

North Boundary T. 3 S. R. 11 W. U. S. B. & M.

Chains.	
	cor. of secs. 1, 2, 35 and 36; mkd with 1 notch on E. and 5 notches on W. edge; and raise mound of stone 2 ft. base 1½ ft. high, W. of cor.
	Land mountainous
	Soil stony; 3rd and 4th rate.
	Timber aspen.
	Mountainous and heavily timbered land 80.00 chs.

	[illegible] S.89°53'E. bet. Secs. 1 and 36,
	ascending through dense sage brush.
3. 60	Enter dense scrub aspen timber.
22.00	Ridge bears N. 10° W. ans S. 10° E.; descend.
40.00	Set a sandstone 14x8x8ins., 10ins. in the ground for ¼ sec. cor. mkd. ¼ on N. face; from which
	an aspen 5 in. diam bears N. 30° E. 17 lks. dist. mkd. ¼ S 36 B T
	an aspen 5 in. diam. bears S. 42° E 25 lks dist. mkd. ¼ S 1 B T .
43.50	Spring branch 3 lks wide in ravine 300 ft. deep, course SE. asc.
60.00	Spur projects SE. descend.
76.00	Water Hollow 700 ft. deep, course SE.; leave aspen bear NW. and SE; asc.
80.00	The Cor. of Tps. 2 and 3 S. Rs. 10 and 11 west.
	Land mountainous.
	Soil stony; 3rd and 4th rate.
	Timber aspen.
	Mountainous and heavily timbered land covered with dense undergrowth 80.00 chs.
	June 18, 1904.

For general description see subdivision of this Tp.

PART BOUNDARY OF T.3 S., R.11 W., U.S.M.& P.

James M. Lentz
U.S.Deputy Surveyor.

Latitude, departures, and closing errors.

Line Designated	True Bearing	Distance	Latitude N.	Latitude S.	Departure E.	Departure W.
		chs.	chs.	chs.	chs.	chs.
Bdy.T.4 S.,R.11 W.	N.89°52'W.	479.55	1.12			479.55
" " 3 " " 11 "	West.	480.00		480.00		
" " 3 " " 11 "	North	480.00.	480.00.			
" " " " " 11 "	S.89°53'E.	479.04		1.04	479.04	
	Convergency					.61
	Totals		481.12	481.04	479.65	479.55
			481.04		479.55	
	Errors in lat. and dep.		.08		.10	

James M. Lentz
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 final affidavits see book "N" T. 1 S. R. 11 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 .....

For final affidavits see book "N" T. 1 S. R. 11 W. ..... *Chainman.*

..... *Chainman.*

..... *Moundman.*

..... *Moundman.*

..... *Axman.*

..... *Axman.*

..... *Flagman.*

.....

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

SEAL

8-131

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.1 S.R.11 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 jn the field notes, and that the foregoing are the original field notes of such survey; and should any fraud be detected, I will suffer the penalty of perjury under the provisions of an Act of Congress approved August 8, 1846.

.....

United States Deputy Surveyor.

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

.....

SEAL

.....

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL.

Salt Lake City, Utah, December 31, 1904.

The foregoing field notes of the survey of the West and North Boundaries of Township No.3 South, Range No.11 West of the Uintah Special Base and Meridian, Utah;

executed by James H.Lentz under his contract No. 280, dated July 22, 1903, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Edward M. Anderson

United States Surveyor General.

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

United States Surveyor General.

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4—679.

BOOK A-315

E.

FIELD NOTES

OF THE SURVEY OF THE

FILED
OCT 31 1904

OWS

Subdivision
of
Township No. 3 South.
Range No. 11 West

Of the Uintah Special Base and Meridian,
In the State of Utah.

AS SURVEYED BY

James M. Lentz, United States Deputy Surveyor,

Under his Contract No. 280, dated July 22nd, 1903

Survey commenced June 18th, 1904

Survey completed " 28th, 1904

6—131

Lat. 47-78.34 ✓
Long. 11-78.29 ✓

BOOK A-315

NAMES AND DUTIES OF ASSISTANTS.

William Longnecker Chainman
Samuel M. Ballard "
Dexter A McBride Rodman
John N Carroll Axman "
Lawrence Swan "
David J. Marchant Flagman

For preliminary affidavits see book "C" T.4 S.R.12 W.

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Volume
#
R0315

BOOK A-315

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31	32	33	34	35	36

Meanders Page.....

PRELIMINARY OATHS OF ASSISTANTS.

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

_____

_____, *Chainman.*

_____, *Chainman.*

Subscribed and sworn to before me this _____
day of _____, 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 T. 3 S. R. 11 W. U. S. B & M.

Survey commenced June 18, 1904 and executed with the instrument described in book "A" of this survey.

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

At the cors. of secs. 1, 2, 35 and 36 on the S. bdy. of Tp.; Long. 111°07'07" W.; lat. 40°11' N.; I set off 40° 11' N. on lat arc. 23° 26' N on decl. arc and at 4 hrs. p. m. l. m. t., determine a meridan with the solar and mark a point thereof on a stone firmly set in the ground 5.00chs N. of my station.

June 18, 1904.

June 19, 1904; at 1h 40m a. m. l. m. t. I observe Polaris at eastern elongation, in accordance with the Manual of Instructions and mark a point in the line thus determined on a peg driven in the ground 5.00chs N. of my station.

At 7h a. m. l. m. t. I lay off the azimuth of Polaris, 1° 34.5' to the W., and mark the mer. thus determined by cutting a small groove in the stone set June 18. The mer. falls on a pole held on the point which marks the line determined by the solar.

At 8 h. a. m. l. m. t. I set off 40° 11' N. on the lat. arc. 23° 27' N. on decl. arc. and determine a mer. with the solar. The mer. thus determined falls on a pole held on the mark determined by p. m. solar observation and tested by Polaris observation.

The solar apparatus by p. m. and a. m. observations defines the same position for mer. as that established by

SUBDIVISION OF T. 3 S., R. 11 W., U. S. B. & M.

Chains.	
	Polaris observation; therefore, I conclude that the adjustments of the instrument are correct.
	The magnetic bearing of the true meridan at 8hs. 30' a. m. is N. 17° W.; the angle thus dertermined gives the mag. decl. 17° E.
	From the above sec. cor. which is a sandstone 6x12x7ins. above ground firmly set and marked and witnessed as described by Hubert D. Page and Byron S. Kershaw, U.S. Deputy Surveyors, under their contract No.279, I. run
	N. 0°01' W. bet. secs. 35 and 36.
	Decending along NW. slope of mountain; through dense sage brush.
17.20	Hollow drains SW. ; ascend along east slope.
40.00	Set a sandstone 14x12x8ins., 10ins. in the ground for ¼ sec cor. mark ½ on W face; dig pits 18x18x12ins., N. and S. of stone 3 ft. distant, and raise a mound of earth, 3½ ft. base 1½ ft. high, W. of cor.
	Decend along east slope.
61.00	Hollow, course SE. ascend.
80.00	Set a sandstone 16x12x10ins., 11 ins. in the ground for cor. of secs. 25, 26, 35 and 36 marked with 1 notch on S. and E. edges; raise amound of stone 2 ft. base 1½ ft high west of cor.
	Land mountainous Soil gravelly. 3rd rate.
	No timber.
	Mountainous land covered with dense undergrowth 80.00 chs.

SUBDIVISION OF T. 3 S. R. 11 W. U. S. B. & M.

Chains.	
	S. 89° 52' E. on a random line bet. secs. 25 and 36.
40.00	Set Temp. ¼ sec. cor.
79.88	Intersect E. bdy. of Tp. 9½ lks. N. of the cor. of secs. 25, 30, 31, and 36, which is a sandstone cobble 4x6x6 ins. above ground, firmly set and marked and witnessed as described by Deputies Hubert D. Page and Byron S. Kershaw, under their contract No. 279; thence I run
	N. 89° 48' W. on a true line bet. secs. 25 and 36.
	Asc. over broken country; through dense sage brush.
29.80	Spur projects NE.; descend
38. 30	Hollow course NE.; ascend.
39.94	Set a limestone 15x12x10ins. 10 ins. in the ground for ¼ sec. cor. mkd. ¼ on N. face; and raise a mound of stone 2 ft. base 1½ft. high, N. of cor.
65.00	Ridge bears N. and SE. Descend
79.88	The cor. of secs. 25, 26, 35, and 36.
	Land mountainous
	Soil stony; 3rd and 4th rate.
	No timber.
	Mountainous land and dense undergrowth 79.88 chs.

	N. 0°01' W. bet. secs. 25 and 26 ascending over mountainous land; through dense sage brush.
4.15	Road on spur ridge bears E. and W. Descend.
4.60	Enter aspen timber bear E. and W.
6. 80	Leave aspen, bear E. and W.
9.50	Hollow course W. ; ascend.
17.20	Spur projects W. ; Descend.
40.00	In a ravine 400 ft. deep; course W.
	Set a sandstone 12x8x4ins., 8ins. in the ground for ¼ sec.

Chains.	
	cor. mkd. ½ on W. face; and raise mound of stone 2ft. base 1½ ft. high, W. of cor.
	Ascend.
52.40	Road bears E and W.
62.00	Enter dense young aspen, bear E. and W.
64.00	Leave aspen, bear E. and W.
75.00	Ridge bears N.20°W.and S.20°E.
80.00	Set a sandstone 18x12x8ins., 12ins, in the ground for cor of secs 23, 24, a25 and 26 mkd. with 2 notches on S. and 1 notch on E. edge; raise a mound of stone 2 ft. base, 1½ ft. high, W. of cor.
	Land mountainous.
	Soil gravelly; 3rd rate.
	Timber. aspen.
	Mountainous and heavily timbered land 80.00 chs.
	June 19, 1904; at this cor. I set off 23° 26' N. on decl. arc. and at 0 h.01 m.p.m. l.m.t. observe the sun on the meridan, the resulting lat. is 40° 12½' N.
	S. 89° 48' E. on a random line bet. secs. 24 and 25.
40.00	Set Temp. ¼ sec. cor.
79.96	Intersect E. bdy. of Tp. 4½ lks. S. of the cor. of secs. 19 24, 25, and 30, which is a sandstone cobble 5x8x6ins above ground firmly set and mkd. and witnessed as described by Hubert D. Page and Byron S. Kershaw U.S. Deputy Surveyors, under their contract No.279; thence I run
	N. 89° 50' W. on a true line bet. secs. 24 and 25; descending over mountainous land through dense sage brush.
30.00	A ravine 200 ft. deep, course SE.; ascend.
39.98	Set a sandstone 14x10x7ins., 10ins. in the ground for ¼ sec. cor. mkd. ¼ on N. face; raise a mound of stone 2ft. base 1½ ft. high, N. of cor.

SUBDIVISION OF T. 3 S. R. 11 W. U. S. B. & M.

Chains.	
	The cor. sets on a spur projecting S.; descend along broken S. slope of the mountain.
51.00	Draw course S.; ascend.
56.40	Spur projects S.; descend.
70.00	Ravine 400 ft. deep; course SE.; ascend.
70.50	Road bears S. 10° E. and N.; Hober to Vernal.
79.96	The cor. of secs. 23, 24, 25 and 26.
	Land mountainous
	Soil gravelly; 3rd rate.
	No timber.
	Mountainous land covered with dense undergrowth 79.96 chs.
	N. 0°01' W. bet. secs. 23 and 24.
	Ascending over mountainous land; through dense sage brush.
16.00	Spur projects SE.; descend.
22.00	Hollow course E.; ascend.
37.50	Spur projects E.; enter scattering young aspen, bears E. and W.; descend.
39.00	Leave young aspen; bear E. and W.
40.00	Set a cobble stone 12x8x6 ins. 8 ins. in ground for 1/4 sec. cor. mkd. 1/4 on W. face; dig pits 18x18x12ins., N. and S. of stone 3 ft. dist.; and raise a mound of earth 3½ ft. base 1½ ft. high, W. of cor.
40.50	Hollow course E.; ascend.
43.00	Spur projects E.; descend.
45.00	Road bears NE. and SW.; Hober to Vernal.
48.00	Ravine 100ft deep; course SE.; ascend.
52.10	Enter aspen, bear E. and W.
52.60	Leave aspen, bear E and W.
54.00	Saddle bears N. and S.; ridge bears E. and W.; descend.

SUBDIVISION OF T. 3 S. R. 11 W. U. S. B. & M.

Chains.	
55.75	Road bears NE. and SW.; Heber to Vernal.
62.00	Road bears N. and SE.; Heber to Vernal.
63.00	Leave Heber-Vernal road, bears S. and NE.
65.15	Heber-Vernal road on dugway bears NW. and SE.
72.35	Road, bears E. and W.
72.50	Enter dense willow, bear E. and W.
72.70	Spring branch, 2 lks. wide, course N. 10° W.
73.85	Road, bears NE. and SW.
77.40	Spring branch, 2 lks. wide, course SW., in Cold Canon.
79.00	Leave willows, bear E. and W.
80.00	Set a cobble stone 15x12x10ins., 10ins. in the ground for cor. of secs. 13, 14, 23 and 24. mkd. with 3 notches on S. and 1 notch on E. edge; raise a mound of stone 2 ft. base, 1½ ft. high, W. of cor.
	Land mountainous.
	Soil loam and stony, 2nd and 3rd rate.
	Timber young aspen.
	Mountainous land heavily timbered and covered with dense undergrowth 80.00chs.

S. 89° 50' E. on a random line bet. secs. 13 and 24.

40.00 Set Temp. ¼ sec. cor.

79.84 Intersect E. bdy. of the Tp. 2½ lks. N. of the cor. of secs. 13, 18, 19 and 24 which is a sandstone 5x10x6ins. above ground firmly set and mkd. and witnessed as described by Hubert D. Page and Byron S. Kershaw U.S. Deputy Surveyors, under their contract No. 279; thence I run

N. 89°49' W. on a true line bet. secs. 13 and 24.

Ascending over mountainous land; through dense sage brush.

20.00 Ridge, bears NE. and SW.; enter scattering aspen, bears NE.

SUBDIVISION OF T. 3 S. R. 11 W. U. S. B. & M.

Chains.	
	and SW.; descend.
30.80	Ravine 400 ft. deep, course NW.; leave aspen, bears NE. and SW.; ascend.
39.92	Set a sandstone 20x8x4ins., 15 ins. in the ground for ¼ sec. cor. mkd. ¼ on N. face; raise a mound of stone 2 ft. base 1½ ft. high, N. of cor.
58.00	Cold Canon 400 ft. deep, course SW.; ascend.
70.25	Spur projects SE.; descend.
72.30	Enter dense young aspen, bear N. and S.
75.80	Leave aspen, bear N. and S.
75.85	Enter dense willow, bear NE. and SW.
77.85	Spring branch, 3 cks. wide, course SW.; ascend.
78.70	Leave willows, bear NE. and SW.
79.84	The cor. of secs. 13, 14, 23 and 24.
	Land mountainous.
	Soil stony; 3rd rate.
	Timber young aspen.
	Mountainous and heavy timbered land covered with dense undergrowth 79.84 chs.
	June 19, 1904.

	June 20, at 8h. a. m. l. m. t. I set off 40° 13' N. on lat. arc 23° 27' N. on decl. arc and determine a meridian with the solar, at the cor. of secs. 13, 14, 23, and 24. Thence I run N. 0°01' W. between secs. 13 and 14 over mountainous land; through dense squaw and deer brush.
10.00	Spur projects SW.; descend.
40.00	Set a sandstone 22x8x4ins., 16ins. in the ground for ¼ sec. cor, mkd. ¼ on W. face; raise a mound of stone 2ft. base 1½ ft. high W. of cor.
40.05	Bottom of ravine 200 ft. deep, course SW.; ascend.

SUBDIVISION OF T. 3 S. R. 11 W. U. S. B. & M.

Chains.	
52.00	Spur projects SE; descend.
60.00	Draw, course SE.; ascend.
68.80	Spur projects SW.; descend.
70.00	Enter dense young aspen, bears NE. and SW.
78.50	Spring branch 3 lks. wide in ravine 400 ft deep, course SW.; leave aspen, bear NE. and SW.; ascend.
80.00	Set a sandstone 15x10x6 ins., 10ins. in the ground for cor of secs. 11, 12, 13 and 14, mkd. with 4 notches on S. and 1 notch of E. edge; from which an aspen 4 ins diam. bears N. 44° E. 105 lks. dist. mkd. T 3 S R 11 W S 12 B T. an aspen 4 ins diam., bears S. 47° E. 101 lks. dist. mkd. T 3 S R 11 W S 13 B T. an aspen 4 ins diam., bears S. 42° W. 125 lks. dist. mkd. T 3 S R 11 W S 14 B T. No other trees within limits; raise a mound of stone 2 ft. base 1½ ft. high, W. of cor.
	Land mountainous.
	Soil stony; 3rd rate.
	Timber aspen.
	Mountainous and heavily timbered land covered with dense undergrowth 80.00 ch s.
	S. 89° 49' E. on a random line bet. secs. 12 and 13.
40.00	Set Temp. ¼ sec. cor.
79.90	Intersect east bdy of Tp. 2½ lks S. of the cor of secs. 7, 12, 13, and 18; which is a sandstone cobble 4x9x8ins. above ground and mkd. and witnessed as described by Hubert D. Page and Byron S. Kershaw U.S. Dep. Surveyors, under their contract No.

SUBDIVISION OF T. 3 S. R. 11 W. U. S. B. & M.

Chains.	
	279; thence I run
	N. 89° 50' W. on a true line bet. secs. 12 and 13;
	Ascending over mountainous land and dense sage brush.
5.00	Enter dense chokecherry brush, bear NW. and SE.
27.00	Spur ridge, bears N. 20° E. and S. 20° W.; a spur projects S. 70° W.; descend along N. broken slope.
39.95	Set a sandstone 18x12x6ins., 12ins. in ground for ¼ sec. cor. mkd. ¼ on N. face; raise a mound of stone 2 ft. base 1½ft. high, N. of cor.
77.70	Leave dense undergrowth; sandstone ledges 12 ft. high, bear N. 70°. E. and S. 70° W.
78.45	Spring branch 3 lks. wide in ravine 400 ft. deep, course SW.; enter dense sage brush, bear NE. and SW.; ascend.
79.90	Cor of secs. 11, 12, 13 and 14.
	Land mountainous.
	Soil stony; 3rd and 4th rate.
	No timber.
	Mountainous land covered with dense undergrowth 79.90 chs.
	N. 0°01' W. bet. secs. 11 and 12.
	Ascending over mountainous lands; through dense sage brush.
19.00	Spur projects SW.; descend.
27.50	Enter heavy aspen, bear NE. and SW.
40.00	Set a sandstone 15x12x8ins., 10ins. in the ground for ¼ sec. cor. mkd. ¼ on W. face; from which
	an aspen 6 ins. diam. bears N. 30° E. 62 lks. dist. mkd. ¼ S 12 B T.
	an aspen 7 ins. diam., bears S. 64° W. 57 lks. dist. mkd. ¼ S 11 B T.
50.00	Hollow, course N. W.; ascend.

SUBDIVISION OF T. 3 S. R. 11 W. U. S. B. & M.

Chains.	
65.00	Spur projects N. 55° W.; descend.
75.00	Ravine 1,000 ft deep, course SW.; ascend.; enter heavy aspen, bears N E and S W.
80.00	Set a sandstone 15x7x4ins., 10ins. in the ground for cor. of secs. 1, 2, 11 and 12, mkd. with 5 notches on S. and 1 notch on E. edge; from which
	an aspen 8 ins. diam., bears N. 30° E. 49 lks. dist. mkd. T 3 S R 11 W S 1 B T.
	an aspen 8 ins. diam., bears S. 40° E. 29 lks. dist. mkd. T 3 S R 11 W S 12 B.T.
	an aspen 8 ins. diam., bears S. 25° W. 39 lks. dist. mkd. T.3 S R 11 W S 11 B T.
	an aspen 10 ins. diam., bears N. 60° W. 39 lks. dist. mkd. T. 3 S. R. 11 W. S. 2 B..T.
	Land mountainous
	Soil stony; 3rd and 4th rate.
	Timber aspen.
	Mountainous land heavily timbered and dense undergrowth
	80.00 chs.
	June 20; clouds prevent my taking lat. observations this day.

	S. 89° 50' E. on a random line bet. secs. 1 and 12.
40.00	Set Temp. ¼ sec. cor.
79.94	Intersect E. bdy. of Tp. 11 lks. S. of cor. secs. 1, 6, 7 and 12 which is a sandstone 4x10x10ins. above ground firmly set and mkd. and witnessed as described by Hubert D. Page and Byron S. Kershaw, U.S. Deputy Surveyors, under their contract No.279. Thence I run

SUBDIVISION OF T. 3 S. R. 11 W. U. S. B. & M.

Chains.	
	N. 89° 55' W. on a true line bet. secs. 1 and 12.
	Descending through pine and aspen timber.
6.00	Draw course N.; ascend.
18.00	Spur projects N.; descend. Leave aspen and pine, bear N. and S.
27.00	Ravine 100 ft. deep, course N.; ascend.
34.00	Ridge, bears N. 10° W., S. 10° E.; descend.
37.00	Enter scattering aspen, bears NW. and SE.
39.00	Leave aspen, bear NW. and SE.
39.97	Set a cobble stone 12x10x6ins., 8ins. in the ground for ¼ sec. cor., mkd. ¼ on N. face from which
	an aspen 8 ins. diam., bears S. 35° E. 180 lks. dist. mkd. ¼ S 12 B. T.
	No other trees within limit; raise mound of stone 2 ft. base, 1½ ft. high, N. of cor.
52.00	Ravine 400 ft. below top of ridge, course NW.; ascend.
76.50	Ravine 300 ft. deep, course SW.
79.94	The cor. of secs. 1, 2, 11 and 12.
	Land mountainous.
	Soil stony; 3rd and 4th rate.
	Timber aspen and pine.
	Mountainous land covered with heavy timber 79.94 chs.
	N. 0° 01' W. on a random line bet. secs. 1 and 2.
40.00	Set Temp. ¼ sec. cor.
80.06	Intersect N. bdy. of Tp. 3 lks. W. of cor. of secs. 1, 2, 35 and 36, heretofore described.
	Thence I run
	S. on a true line bet. secs. 1 and 2.
	Enter rolling bottom land; through dense sage brush.
2.00	Begin ascent along NE. slope.
5.00	Enter aspen, bear NW. and SE.; dense chokecherry and brier brush, bear E. and W.

SUBDIVISION OF T. 3 S. R. 11 W. U. S. B. & M.

Chains.	
33.00	Leave aspen timber and undergrowth, bear NW. and SE.
35.00	Spur projects SE.; descend.
40.06	Set a sandstone 20x8x6ins., 15ins. in the ground of ¼ sec. cor. mkd. ¼ on W. face; raise a mound of stone 2 ft. base, 1½ft high, W. of cor.
68.30	Ravine 400 ft. deep, course SE.; ascend.
80.06	Cor. of secs. 1, 2, 11 and 12.
	Land mountainous.
	Soil loam and stony; 2nd and 3rd rate.
	Timber aspen.
	Mountainous land and land covered with dense undergrowth
	80.06 chs.
	June 20, 1904.

June 21:
At the cor. of secs. 2, 34, and 35, on S. bdy. of Tp. which is a sandstone 16x12x4 ins. above ground firmly set mkd. and witnessed as described by Hubert D. Page and Byron S. Kershaw U.S. Deputy Surveyors, under their contract No.279
I set off
40° 11' N. on lat. arc. 23° 28' N. on decl. arc and at 7h. a. m. l. m. t. determine a meridian with the solar.
Thence I run N.0°02'W. bet. secs. 34 and 35.
Ascending over mountainous land; through dense sage brush.

10.00	Ridge, bears N. 30° E. and S. 45° W.; descend.
40.00	Basin, drains NE.
	Set a sandstone 15x8x5ins., 10ins. in the ground for ¼ sec. cor. mkd. ¼ on W. face; raise a mound of stone 2 ft base, 1½ft. high, W. of cor.; ascend.
47.00	Spur projects E; descend.
70.00	Ravine 250 ft. deep, course NW.; ascend.
80.00	Set a sandstone 18x12x5 ins., 12ins. in the ground for cor.

Chains.	
	of secs. 26, 27, 34 and 35, mkd. with 1 notchs on S. and 2 notches on E. edge; raise a mound of stone 2 ft. base, 1½ ft. high, W. of cor..
	Land mountainous.
	Soil gravelly; 3rd rate.
	No timber.
	Mountainous land covered with dense undergrowth 80.00 chs.
	S. 89° 52' E. on a random line bet. secs. 26 and 35.
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,
	N. 89° 52' W. on a true line bet. secs. 26 and 35.
	Ascending along broken S. slope; through dense sage brush.
32.00	Sheep corral 5 chs. S. of line.
34.00	Ridge, bears NE. and SW.; desc.
39.98	Set a sandstone 16x10x6ins., 11ins. in the ground for ¼ sec. cor. mkd. ¼ on N. face; raise a mound of stone 2 ft. base, 1½ ft. high, N. of cor.
52.00	Hollow, course NW.; asc. along broken N. slope.
79.96	The cor. of secs. 26, 27, 34 and 35.
	Land mountainous.
	Soil gravelly; 3rd rate.
	No timber.
	Mountainous land covered with dense undergrowth 79.96 chs.
	N. 0°02' W. bet. secs. 26 and 27.
	Ascending over mountainous lands and dense sage brush.
5.40	Spring branch 21ks wide, course SW.; ascend;
13.45	Road, bears NE. and SW.

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Chains	
32.00	Spur projects SW.; desc.
40.00	Set a sandstone 15x9x10ins., 10 ins. in the ground for ¼ sec. cor. mkd. ¼ on W. face; and raise mound of stone 2 ft. base, 1½ ft. high, W. of cor.
43.00	Draw course SW.; asc.
54.00	Spur projects SW; desc.
66.00	Spring branch, 2 lks. wide, course SW.
67.00	Ravine 150 ft. deep, course SW.
80.00	Set a sandstone 18x10x8ins., 12ins. in the ground for cor of secs. 22, 23, 26 and 27, mkd. with 2 notches of S. and E. edges; raise a mound of stone 2 ft. base, 1½ ft. high W. of cor.
	Land mountainous
	Soil loam and stony. 2nd and 3rd rate.
	No timber.
	Mountainous land covered with dense undergrowth 80.00 chs.
	June 21; at this cor. I set off 23°27' N., on decl. arc and at 0h. 1½m. p.m. l. m. t. observe the sun on the mer. The resulting lat. is 40° 12½' N.
	S. 89° 52' E. on a random line bet. secs. 23 and 26.
40.00	Set Temp. sec. cor.
79.98	Intersect N. and S. line 4 lks. S. at the cor. of secs. 23, 24, 25, and 26.
	Thence I run,
	N. 89° 54' W. on a true line bet. secs. 23 and 26.
	Ascending over mountainous land; through dense sage brush.
2.60	Spur ridge bears S. 20° E. and N. 20° W.; desc.
27.20	Hollow, course S.; asc.

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Chains.	
39.99	Set a sandstone 16x12x4ins., 11 ins. in the ground for ¼ sec. cor. mkd. ¼ on N. face; and dig pit 18x18x12ins. N. and W. of the stone 3 ft. dist., and raise a mound of earth 3½ ft. base, 1½ ft. high, N. of cor.
52.00	Spur projects SW.; desc.
64.00	Ravine 150 ft. deep, course SW.; asc.
79.98	At the cor. of secs. 22, 23, 26 and 27.
	Land mountainous.
	Soil gravelly; 3rd rate.
	No timber.
	Mountainous land covered with dense undergrowth 79.98 chs.
	N.0°02'W. bet. secs. 22 and 23.
	Asc. over broken country; through dense sage brush.
36.00	Spur 300 ft. above sec. cor. projects W.; desc.
40.00	Set a sandstone 18x12x9ins., 12ins. in the ground for ¼ sec. cor. mkd ¼ on W. face; raise a mound of stone 2 ft. base, 1½ ft. high, W. of cor.
41.00	Ravine 125 ft. deep, course W.; asc.
47.70	Spur projects W.; desc.
66.00	Ft. of steep descent; over rolling country.
75.10	Road, bears NE. and SW.
75.35	Creek 3 lks. wide, course SW.; gradual ascent.
80.00	Set a sandstone 12x10x6ins., 8 ins. in the ground for cor of secs. 14, 15, 22 and 23. mkd. with 3 notches on S. and 2 notches on E. edge; dig pits, 18x18x12ins., in each sec. 5½ ft. dist.; and raise mound of earth 4 ft. base, 2 ft. high, W. of cor.
	Land mountainous.
	Soil gravelly; 2nd and 3rd rate.

Chains.	
	No timber.
	Mountainous land and land covered with dense undergrowth
	80.00 chs.
	S. 89° 54' E. on a random line bet. secs. 14 and 23
40.00	Set temp. ¼ sec. cor.
79.96	Intersect N. and S. lines 5 lks. N. of the cor. of secs. 13, 14, 23 and 24. Thence I run
	N. 89° 52' W. on a true line bet. secs. 14 and 23.
	Ascending; through dense deer and sarvice brush.
8.00	Point of spur projects SW.; desc.
30.70	Creek 3 lks. wide, course SW.
	Over broken country gradually descending in Cold Canon
39.40	Main road from Heber to Vernal, bears SE. and N. 85° W.
39.98	Creek, 3 lks. wide, course NW.
	Point for cor. falls in Creek; Therefore at
40.10	Set a cobble stone 14x8x8ins., 10 ins. in the ground for witness corto. ¼ seccor. mkd. W C ¼ on N. face; raise a mound of stone 2 ft. base, 1 ½ ft. high, N. of cor.
41.00	Creek, 3 lks. wide, course, S. 85° W.; enter dense willows bear W. and SW.
45.00	Road, bears S. 85° W. and N. 75° E.; Heber to Vernal
60.00	Same road bears S. 78° E. and N. 80° W.
67.00	Creek, 3 lks. wide, course W.
70.30	Leave Creek, course SW.; leave willows; enter dense sage, bear N. and SW.
71.25	Road, bears NE. and S. 30° W. leave Cold Canon, over rolling ground.
79.96	The cor. of secs. 14, 15, 22 and 23.
	Land mountainous.
	Soil clay loam; 2nd and 3rd rate.
	No timber.

Chains.	
	Mountainous land covered with dense undergrowth 79.96 chs.
	N. 09°02' W. bet. secs. 14 and 15.
	Ascending; through dense sage brush.
2.70	Heber-Vernal road bears N. 80° W. and E.; along broken W. slope
12.35	Road, bears N. 30° W, S. 20°. E.
34.58	Cow Creek 4 lks. wide, course SW.
37.20	Enter dense willow, bear E. and W.
38.00	Steep ascent; leave willows, bear E. and W.
40.00	Set a quartzite stone 18x12x6 ins., 12 ins. in the ground for ¼ sec. cor. mkd. ¼ on W. face; raise mound of stone 2 ft. base, 1½ ft. high, W. of cor.
48.50	Spur projects W.; desc.
51.00	Draw course W.; asc.
59.00	Spur projects W.; desc.
60.60	Enter aspen, bear E. and W.
63.00	Leave aspen, bear E. and W.
64.00	Ravine 150 ft. deep, course W.; asc.
80.00	Set a sandstone 20x12x5ins., 15ins. in the ground for cor of secs. 10, 11, 14 and 15 mkd. with 4 notches on S. and 2 notches on E. edge; raise a mound of stone 2 ft. base 1½ ft. high. W. of cor.
	Land mountainous.
	Soil stony; 3rd rate.
	Timber aspen.
	Mountainous land covered with dense undergrowth. 80.00 chs.
	June 21, 1904.

June 22; I set off 40° 14' N. on lat. arc 23° 28' N. on decl. arc. and at 7h. a. m. l. m. t. determine a mer.

Chains.	
	with the solar, at the cor. of secs. 10, 11, 14, and 15. Thence I run S. 89° 52' E. on a random line bet. secs. 11 and 14.
40.00	Set temp. ¼ sec. cor.
80.02	Intersect N. and S. line 7 lks. S. of the cor of secs. 11 12, 13 and 14. Thence I run
	N. 89° 55' W. on a true line bet. secs. 11 and 14.
	Ascending; over mountainous land; through dense deer and service brush and scattering aspen timber.
28.00	Spur projects S. 10° W.; desc.
36.00	Leave aspen, bear N. and S.
40.01	Set a limestone 20x14x6ins., 15 ins. in the ground for ¼ sec. cor. mkd. ¼ on N. face; raise mound of stone 2 ft. base 1½ ft. high, N. of cor.
40.50	Enter dense willows, bear N. and S.
42.00	Cow Cr. 3 lks. wide in ravine 400 ft. deep, course SW.; leave willows and dense deer and service brush, bear NE. and SW. over rolling bottom land, through dense sage brush.
44.00	Leave Bottom; steep ascent, bears N. and S.
66.00	Spur projects S.; desc.
80.02	The cor. of secs. 10, 11, 14 and 15.
	Land mountainous.
	Soil stony; 3rd rate.
	Timber aspen.
	Mountainous and heavily timbered land covered with dense undergrowth 80.02 chs.
	N. 0°02' W. bet. secs. 10 and 11.
	Ascending over mountainous land and dense deer and service brush.
13.00	Spur projects W.; desc.

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Chains.

16.00 Enter scattering aspen timber, bear E. and W.

20.00 Leave aspen timber, bears E. and W.

23.20 Enter aspen timber, bear E. and W.

23.80. Ravine 350 ft. deep, course S70° W.; asc.

26.00 Leave aspen timber, bear NE. and SW.

30.00 Spur projects S. 60° W. desc.

40.00 Set a sandstone 14x10x8ins., 10 ins. in the ground for ¼ sec. cor. mkd. ¼ on W. face; raise a mound of stone 2 ft. base 1½ ft. high, W. of cor.

49.00 Enter Aspen timber, bear NE. and SW.

49.75 Ravine 400 ft. deep, course SW.; asc.

50.50 Leave aspen, bears E. and W.

68.00 Spur ridge projects NE. and SW.

80.00 Set a sandstone 12x10x8 ins., 8 ins. in the ground for cor of secs. 2, 3, 10 and 11. mkd with 5 notches on S. and 2 notches E. edge; from which

an aspen 4 in. diam., bears N. 14½° E. 45lks dist. mkd. T 3 S R 11 W S 2 B T

an aspen 4 ins. diam. bears. N. 45° W. 23 lks dist. mkd. T 3 S R 11 W S 3 B T.

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

Land mountainous.

Soil gravelly; 3rd rate

Timber aspen.

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

S. 89° 55' E. on a random line bet. secs. 2 and 11.

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Chains.	
40.00	Set temp. ¼ seccor.
79.98	Intersect N. and S. line, 5 lks. N. of cor. of secs. 1, 2, 11 and 12. Thence I run, N.89° 53' W. from a true line bet. secs. 2 and 11. Ascending through scattering aspen timber and dense deer and sarvice brush.
32.00	Leave aspen, bear N. and S.
34.00	Spur projects S. 25° W.; desc.
39.99	Set a cobble stone 12x12x6ins., 8 ins. in the ground for ¼ sec. cor. mkd. ¼ on N. face; raise mound of stone 2 ft. base, 1½ ft, high, N. of cor.
41.25	Enter small young aspen, bears N. and S.
44.20	Leave aspen, bear N. and S.
44.75	Spring branch 2lks. wide, in ravine 500 ft. deep, course S. Asc.
52.00	Enter heavy aspen timber and dense chokecherry, bears NW. and SE.
57.30	Leave aspen and chokecherry, bear N. and S.
60.00	Ridge, bears NW. and SE.; desc.
70.00	Enter scattering aspen and dense deer brush, bear N. and S.
79.98	The cor. of secs. 2, 3, 10 and 11.
	Land mountainous.
	Soil stony; 3rd and 4th rate.
	Timber aspen.
	Mountainous land covered with heavy timber and dense undergrowth, 79.98 chs.
	June 22, ; at this cor. I set off 23° 27' N. on decl. arc and at 0 h 2m. p.m. l.mt. observe the sun on the mer. the resulting lat is 40° 15' N.

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CHAINS	
	N.0°02'W. on a random line. bet. secs. 2 and 3.
40.00	Set temp. ¼ sec. cor.
80.08	Intersect N. bdy. of Tp. 3 lks. E. of the cor. of secs. 2,3,34 and 35, heretofore described; thence I run
	S. 0°03'E. on a true line bet. secs. 2 and 3
	Desc. over mountainous land, through dense sage brush.
1.50	Ravine 150 ft. deep, course E.; ascend.
5.00	Enter aspen, bear E. and W.; descend.
18.00	Leave aspen, bear E. and W..
28.00	Trout Creek Canon, 600 ft. deep, course S.10°W.; enter aspen, bears N. 10°E. and S. 10°W.; ascend.
40.08.	Set a limestone 12x12x10 ins., 8 ins. in the ground, for ¼ sec. cor., mkd. ¼ on W. face; from which
	An aspen 4 ins. diam., bears S. 89°W., 9 lks. dist. mkd. ¼ S 3 B T.
	An aspen 4 ins. diam., bears S.80°E., 17 lks. dist. mkd. ¼ S.3.B T.
64.00	Spur projects S.64°W.; leave aspen, bears S.60°W. and N.60°E.; descend.
68.00	Ravine 600 ft. deep, course S. 70°W.; enter scattering aspen and dense deer brush, bear NE. and S.80°W. Ascend.
80.08	The cor. of secs. 2, 3, 10 and 11
	Land mountainous.
	Soil stony; 3rd. rate.
	Timber aspen.
	Mountainous and heavily timbered land, covered with dense undergrowth. 80.08 chs.

June 22, 1904.

June 23, 1904, at 7h. a.m. l.m.t. I set off 23°27½'N. on decl. arc; 40°11'N. on lat. arc, and determine a meridian with the solar at the cor. of secs. 3, 4, 33 and 34 on

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CHAINS	
	S. bdy. of Tp., which is an aspen post 4 ins. sq., 12 ins. above ground, firmly set, mkd. and witnessed as described by Hubert D. Page and Byron S. Kershaw, U. S. Deputy Surveyors, under their contract No. 279.
	Thence I run
	N. 0°02'W. bet. secs. 33 and 34
	Over rolling bottom land, through sage and artemesia.
13.30	Strawberry River 110 lks. wide, course N.E.
20.85	Strawberry River 1 ch. wide, course S.W.
27.00	Strawberry River 110 lks. wide, course N.E.
40.00	Set an aspen post 3 ft. long, 4 ins. sq., with marked stone, 24 ins. in the ground, for ¼ sec. cor., mkd. ¼ S. 33 on W. face, 34 on E. face; dig pits 18x18x12 ins. N. and S. of post 3 ft. dist, and raise a mound of earth 3½ ft. base, 1½ ft. high W. of cor.
47.85	Trout Creek 30 lks. wide, course S.E.
66.00	Trout Creek 40 lks. wide, course S.W.
72.00	Trout Creek 40 lks. wide, course S.E.
80.00	Set an aspen post 3 ft. long, 4 ins. sq., with marked stone 24 ins. in the ground, for cor. of secs. 27, 28, 33 and 34, mkd.
	T 3 S S 27 on N.E.
	R 11 W S 34 on S.E.
	S 33 on S.W. and
	S 28 on NW face; with 1 notch on S., and 3 notches on E. edge; 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 rolling and bottom.
	Soil loam; 2nd. rate.
	No timber.
	Exceptional difficulties crossing river 80.00 chs.

Chains	
	S. 89° 52' E. on a random line bet. secs. 27 and 34.
40.00	Set temp. ¼ sec. cor.
79.94	Intersect N. and S. line 2½ lks. S. of the cor of secs. 26, 27, 34 and 35. Thence I run
	N. 89° 53' W. on a true line bet. secs. 27 and 34.
	over rolling mountainous land; descending.
6.30	Road bears N. and S.; enter bottom bears NE. and SE.
39.97	Set a sandstone 12x8x6ins., 8 ins. in the ground for ¼ sec. cor. mkd. ¼ on N. face; dig pits 18x18x12ins. E. and W. of stone 3 ft. dist.; and raise a mound of earth 3½ ft base, 1½ ft. high N. of cor.
79.94	The cor. of secs. 27, 28, 33 and 34.
	Land rolling bottom land and mountainous
	Soil Loam. 1st and 2nd rate.
	No timber.
	Mountainous land 6.30 chs.

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	N. 0.02 W. bet. secs. 27 and 28.
	over rolling bottom land.
18.12	Trout Creek 40 lks. wide, course SW.
40.00	Set a cobble stone 15x10x6ins., 10 ins. in the ground for ¼ sec. cor. mkd. ¼ on W. face; dig pits 18x18x12 ins. N. and S. of the stone; 3 ft. dist. Raise a mound of earth 3½ ft. base, 1½ ft. high, W. of cor.
57.00	Trout Creek 40 lks. wide, course SE.
76.10	Trout Creek 20 lks. wide, course SW.
80.00	Set a sandstone 18x8x6ins., 12 ins. in the ground for cor of secs. 21, 22, 27 and 28. mkd. with 2 notches on S. and 3 notches on E. edge; dig pits 18x18x12 ins. in each sec. 5½ ft. dist.; and raise mound of earth 4 ft base, 2 ft. high, W. of cor.

Chains.	
	Land rolling bottom land.
	Soil sandy loam; 1st and 2nd rate.
	No timber.
	Exceptional difficulties Crossing Creek 80.00 chs.
	Being able to see the cor. of secs. 22, 23, 26 and 27 from this cor.
	I run
	S. 89° 52' E. on a random line bet. secs. 22 and 27 for distance only.
40.00	Set temp. ¼ sec. cor.
79.96	Intersect N. and S. line, at the cor. of secs. 22, 23, 26, & 27.
	Thence I run
	N. 89° 52' W. on a true line bet, secs. 22 and 27.
	Descending through dense sage brush.
20.95	Road N. and S.; leave dense sage brush; cross rolling bottom land.
39.98	Set an aspen post 3 ft. long, 3 ins. sq., with marked stone 24 ins. ins. in ground for ¼ sec. cor. mkd. ¼ S 22 on N. face, 27 on S. face; dig pits 18x18x12ins. E. and W. of post 3 ft. dist.; raise mound of earth 3½ ft. base, 1½ ft. high, N. of cor.
76.85	Trout Creek 18 lks. wide, course S.
79.96	The cor. of secs. 21, 22, 27 and 28.
	Land rolling bottom land.
	Soil sandy loam; 2nd and 3rd rate.
	No timber;
	Mountainous land covered with dense undergrowth 20.95 chs.
	June 23; at this cor. I set off 23° 27' on decl. arc and at 0h. 2m. P.M.L. M. T. observe the sun on the meridian, the

Chains.	
	resulting lat. is 40° 12⅓' N..
	N. 0°02' W. bet. secs. 21 and 22.
	Over rolling bottom land .
37.00	Trout Creek, 20 lks. wide, course S. 30° E.
40.00	Set an aspen post 3 ft. long, 4 ins. sq., with mkd. stone 24 ins. in ground for ¼ sec. cor. mkd. ¼ S. 21 on W. face; 22 on E. face; dig pits 18x18x12 ins. N. and S. of post, 3 ft. dist.; and raise a mound of earth 3⅓ ft. base, 1⅓ ft. high, N. of cor.
40.50	Trout Creek 20 lks. wide, course W. . . . .
43.00	Trout Creek 20 lks. wide, course SE.
72.10	Trout Creek 20 lks wide, course SW. . . .
80.00	Set a sandstone 14x12x8 ins., 10 ins. in the ground for cor of secs. 15, 16, 21 and 22. mkd. 3 S. on NE. and 12 W. on SE. face with 3 notches on S. and E. edges; dig pits 18x18x12 ins. in each sec. 5⅓ ft. dist.; and raise a mound of earth 4 ft. base and 2⅓ ft. high W. of cor.
	Land rolling bottom land.
	Soil sandy loam. 2d and 3rd rate.
	No timber.
	S. 89° 52' E. on a random line bet. secs. 15 and 22.
40.00	Set temp. ¼ sec. cor.
80.00	Intersect N. and S. line 2½ lks. N. of the cor. of secs 14, 15, 22 and 23. Thence I run
	N. 89° 51' W. on a true line bet. secs. 15 and 22. over rolling bottom land; through scattering sage brush.
40.00	Deposit a mkd. stone 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 3⅓ ft. base and 1⅓ ft. high over deposit. In E. pit drive an aspen stake 3 ft. long 2 ins. sq.

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Chains.	
	12 ins.in ground mkd. ½ S 15 on N.face,and 22 on S.face
49.05	Cow Creek 4 lks. wide, course S.
62.80	Spring branch, course SW. ;3 lks.wide.
71. 20	Trout Creek 14 lks. wide, course SW.
80.00	The cor. of secs. 15,16, 21 and 22.
	Land rolling bottom land.
	Soil sandy loam. 1st and 2nd rate.
	No timber.

N. 09°03' W. bet. secs. 15 and 16.

Over rolling bottom land; through scattering sage brush.

30.50	Road, bears E. and W.;Heber to Vernal.
40.00	Set a cobble stone 18x14x10 ins., 12 ins. in the ground for ¼ sec. cor. mkd. ¼ on W. face; dig pits 18x18x12 ins. N. and S. of stone 3 ft. dist.; raise mound of earth 3½ ft base, 1½ ft. high, W. of cor.
45.85	Road, bears N. 89° E. and S. 60° W.
65.00	Enter dense sage brush, bears E. and W.
80.00	Set a cobble stone 12x8x6 ins., 8 ins. in the ground for cor. of secs. 9 10, 15 and 16 mkd. with 4 notches on S. and 3 notches on E. edge; raise a mound of stone 2 ft. base, 1½ ft. high, W. of cor.
	Land rolling bottom land.
	Soil gravelly. 2nd and 3rd rate.
	No timber.
	Land covered with dense undergrowth 15.00 chs.

June 23, 1904.

June 24; at 7h. a. m. l. m. t. I set off 40° 14' N. on lat arc. 23° 26½' N. on decl. arc and determine a mer.

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Chains.	
	with the solar, at the cor. of secs. 9, 10, 15, and 16.
	Thence I run
	S. 89° 51' E. on a random line bet. secs. 10 and 15.
40.00	Set temp. ¼ sec. cor.
80.02	Intersect N. and S. line 3 lks. S. of the cor of secs. 10, 11, 14 and 15.
	Thence I run
	N. 89° 52' W. bet. secs. 10 and 15, on a true line,
	Descending over mountainous land; through dense sage brush.
12.00	Foot of descent 400 ft. below cor.; across rolling bottom land; through dense sage brush, bears N and S.
40.01	Set a sandstone 12x10x8 ins., 8 ins. in the ground for ¼ sec. cor, mkd. ¼ on N. face; raise a mound of stone 2 ft base, 1½ ft. high, N. of cor.
50.00	Trout Creek, 3 lks. wide, course S. 20° E.
80.02	The cor. of secs. 9, 10, 15 and 16.
	Land mountainous and rolling bottom land.
	Soil gravelly; 2nd and 3rd rate.
	No timber.
	Mountainous land and land covered with dense undergrowth.
	80.02 chs.

	N. 0°02' W. bet. secs. 9 and 10.
	Over rolling land through dense sagebrush.
11.61	Creek 6 lks. wide, course SW. Ascend.
28.00	Ridge, bears NE. and SW.; desc.
34.00	Ravine 50 ft. deep, course SW.; asc.
40.00	Set a sandstone 16x8x7 ins., 11 ins. in the ground for ¼ sec. cor. mkd. ¼ on W. face; raise a mound of stone 2 ft. base, 1½ ft. high, W. of cor.

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Chains.	
70.00	Enter heavy aspen, bear NE. and SW.
76.00	Leave aspen, bear NE. and SW.
80.00	Set a sandstone 16x14x8 ins., 11 ins. in the ground for cor of secs. 3, 4, 9 and 10. mkd with 5 notches on S. and 3 notches on E. edge; raise a mound of stone 2 ft. base, 1½ ft. high, W. of cor.
	Land mountainous.
	Soil gravelly; 2nd and 3rd rate.
	Timber aspen.
	Mountainous and heavily timbered land covered with dense undergrowth. 80.00 chs.
	At the noon hour sky overcast; observation for lat. impossible.
	S. 89° 52' E. on a random line bet. secs. 3 and 10.
40.00	Set temp. ¼ sec. cor.
79.98	Intersect N. and S. line 2½lks. S. of cor. of secs. 2, 3, 10 and 11.
	Thence I run
	N. 89° 53' W. on a true line bet. secs. 3 and 10.
	Desc. through dense chokecherry and scattering young aspen timber.
19.00	Creek 5 lks. wide, in Trout Creek Canon 800 ft. deep; course S. 30° W.
	Leave aspen and chokecherry; enter dense sage brush, bear S. 30° W. and N. 20° E.; asc.
26.50	Spur projects S.; desc.
39.00	Foot of descent over rolling ground sloping S.
39.99	Set a cobble stone 18x12x6 ins. 12 ins. in the ground for ¼ sec. cor. mkd. ¼ on N. face; raise mound of stone 2 ft. base, 1½ ft. high, N. of cor.
45.00	Desc.; enter heavy aspen, bear N. and S.

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Chains.	
52.70	Creek 4 lks. wide in ravine 100 ft. deep, course S. 10° E. asc.
63.50	Ridge, bears NW. and S.; leave aspen, bear with ridge.; desc.
74.10	Hollow, course S.
79.98	The cor of secs. 3, 4, 9 and 10.
	June 24; at this cor. I set off 23° 26' N. on decl. arc and at 0h. 12m. p.m. l.m.t. observe the sun on the mer. the resulting lat. is 42° 15' N..
	Land mountainous .
	Soil stony; 3rd rate.
	Timber aspen.
	Mountainous and heavily timbered land covered with dense undergrowth, 79.98 chs.
	N. 0°02' W. on random line bet. sec. 3 and 4.
40.00	Set temp. ¼ sec. cor.
80.04	Intersect corner of secs. 3, 4, 33, and 34 on N. bdy. of Tp. heretofore described; thence I run
	S. 0°02' E. on a true line bet. secs. 3 and 4.
	Ascending along broken E. slope; through dense sage brush.
40.04	Set a limestone 16x8x5 ins., 11 ins. in the ground for ¼ sec. cor. mkd. ¼ on W. face; raise mound of stone 2 ft. base 1½ ft. high, W. of cor.
49.00	Enter heavy aspen, bear NW. and SE.
55.00	Saddle bears E. and W. and ridge bears N. 20° W. and S.; asc. along ridge.
62.00	Spur projects SW.; ridge bears SE and N.; desc.
76.40	Leave aspen, bearing NW. and SE.
80.04	The cor. of secs. 3, 4, 9 and 10.

Chains. Land mountainous.

Soil stony; 3rd and 4th rate.

Timber aspen.

Mountainous and heavily timbered land covered with dense undergrowth. 80.04 chs.

June 24, 1904.

June 25,; at 7 h. a. m. l. m. t. I set off 40° 11' N. on lat. arc 23° 25' N. on decl. arc and determine a mer. with the solar at the cor. of secs. 4., 5, 32 and 33 on the S. bdy of Tp 3 S.R.11 W. which is a sandstone 6x6x5 ins. above ground firmly set and mkd. and witnessed as described by Hubert D. Page and Byron S. Kershaw U.S. Deputy Surveyors, under their contract No.279.

Thence I run

N.0°03W. W. bet. secs. 32 and 33.

Over rolling bottom land; through scattering sage brush.

16.66 Road, bears NW. and SE.

40.00 Set an aspen post 3 ft. long 4 ins. sq. with mkd. stone; 24 ins. in ground for 1/4 sec. cor., mkd. 1/4 S 32 on W. face; 33 on E. face; dig pits 18x18x12 ins. N. and S. of the post 3 ft. dist; raise a mound of earth 3½ ft. base, 1½ ft. high, W. of cor.

80.00 Set aspen post 3 ft. long 4 ins. sq., with mkd. stone 24 ins. in ground for cor. of, secs. 28, 29, 32, and 33; mkd.

T 3 S. S 28 on NE.

R 11 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; dig pits 18x18x12 ins. in each sec., 5½ ft. dist.; raise a mound of earth 4 ft base 2 ft high W. of cor.

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Chains	
	Land rolling bottom land.
	Soil clay loam; 1st and 2nd rate.
	No timber.
	S. 89° 52' E. on a random line bet. secs. 28 and 33.
40.00	Set temp. ¼ sec. cor.
80.04	Intersect N. and S. line 2½ lks. N. of cor of secs. 27, 28, 33 and 34.
	Thence I run N. 89° 51' W. on a true line bet. secs. 28 and 33.
	Over rolling bottom land.
4.20	Trout Creek 40 lks. wide, course S. 35° E.
36.00	Strawberry River 1ch. wide, course SE.
40.02	Set aspen post 3 ft. long, 4 ins. sq., with mkd. stone 24 ins. in ground for ¼ sec. cor. mkd. ¼ S. 28. on N. face, " 33 on S. face; dig pits 18x18x12 ins. E. and W. of post. 3 ft. dist.; raise mound of earth 3½ ft. base, 1½ ft. high, N. of cor.
	Asc. through dense sage brush.
80.04	Cor. of secs. 28, 29, 32 and 33
	Land. rolling bottom land.
	Soil loam; 2nd rate.
	No timber.
	Land covered with dense undergrowth 40.02 chs.
	N. 0°03' W. bet. secs. 28 and 29.
	Gradually desc. through dense sage brush.
35.00	Leave sage brush, bears E. and W.
40.00	Set an aspen post 3 ft. long, 4 ins. sq., with mkd. stone 24 ins. in ground for ¼ sec. cor.; mkd. ¼ S. 29 on W. face; 28 on E.

Chains.	
	E face; dig pits 18x18x12 ins. N. and S. of post 3 ft. dist.; raise mound of earth 3½ ft. base, 1½ ft. high, W. of cor.
	Enter dense willow, bearing NW. and SE.
41.50.	Strawberry River 60 lks. wide, course SE.
45.85	Strawberry River 90 lks. wide, course SW.
51.00	Strawberry River 65 lks. wide, course SE.
52.55	Strawberry River, course S.
54.00.	Leave Strawberry River, course SE. Leave willows, bear NE and SW.
80.00	Set a cedar post 3 ft. long, 4ins. sq. with mkd. stone 24 ins. in the ground for cor. of secs. 20, 21, 28, and 29; mkd.
	T 3 S S 21 on NE.
	R 11 W. S. 28 on SE.
	S 29 on SW.; S. 20 on NW.
	faces; with 2 notches on S. and 4 notches on E edges; dig pits 18x18x12 ins. in each sec. 5½ ft. dist.; raise a mound of earth 4 ft. base 2 ft. high, W. of cor.
	Land rolling bottom land.
	Soil loam; 2nd and 3rd rate.
	No timber.
	Land covered with dense undergrowth 49.00 chs.

	S. 89° 51' E. on a random line bet. secs. 21 and 28.
40.00	Set temp. ¼ sec. cor.
80.06	Intersect N. and S. line 7 lks. S. of the cor of secs. 21, 22, 27 and 28.
	Thence I run
	N. 89° 54' W. on a true line bet. secs. 21 and 28.
	Over rolling bottom land.
28.10	Fork of Trout Creek, 40 lks. wide, course SE.

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Chains.	
40.03	Set aspen post 3 ft. long, 4 ins. sq., with mkd. stone 24 ins. in ground. for ¼ sec. cor. mkd. ¼ S 21, on N. face; 28 on S. face; dig pits 18x18x12 ins. E. and W. of post 3 ft. dist.; raise mound of earth 3⅓ ft. base, 1⅓ ft. high N. of cor.
80.06	The cor. of secs. 20, 21 28 and 29.
	Land rolling bottom land.
	Soil clay loam.; 1st and 2nd rate.
	No timber.
	June 25; at this cor. I set off 23° 24⅓' N. on decl arc and at 0 h. 2½ m. p. m. l. m. t. observe the sun on the mer. the resulting lat. is 40° 12⅓' N.
	N. 0°03' W. bet. secs. 20 and 21.
	Over rolling bottom land.
1.00	Enter dense sage brush, bears NE. and W.
40.00	Set a cedar post 3 ft. long, 4 ins. sq., with mkd. stone 24 ins. in ground. for ¼ sec. cor. mkd. ¼ S 20 on W. face, 21 on E. face; dig pits 18x18x12 ins. N. and S. of post, 3 ft. dist.; raise mound of earth 3⅓ ft. base, 1⅓ ft. high W. of cor.
67.00	Dry wash, 12 lks wide, 5 ft. deep, course SW.
70.00	Dry Wash, 15 lks. wide, 5 ft. deep, course, SE.
80.00	Set aspen post 3 ft. long, 4 ins. sq. with mkd. stone, 24 ins. in ground for cor. of secs. 16, 17, 20, and 21, mkd.
79	T 3 S S 16 on NE.
	R 11 W S 21 on SE.
	S 20 on SW.
	S 17 on NW. face; with 3 notches on S. and 4 notches on E. edge; dig pits 18x18x12 ins. in each sec. 5⅓ ft. dist.; raise mound of earth 4 ft. base, 3 ft. high w. of cor.

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Chains.	
	Land rolling bottom land.
	Soil gravelly; 3rd rate.
	No timber.
	Land covered with dense undergrowth 79.00 chs.
	S. 89° 54' E. on a random line bet. secs. 16 and 21.
40.00	Set temp. ¼ sec. cor.
80.00	Intersect N. and S. line at the cor. of secs. 15, 16, 21, and 22.
	Thence I run
	N 89° 54' W. on a true line bet. secs 16 and 21.
	Asc. over rolling bottom land.
3.00	Enter dense sage brush.
10.00	Leave bottom; steep ascent.
20.00	Top of knoll; desc.
29.00	Hollow, course S.; asc.
37.00	Top of knoll; desc.
40.00	Set a cobble stone 12x10x7 ins., 8 ins. in ground for ¼ sec. cor. mkd. ¼ on N. face; raise mound of stone 2 ft. base. 1⅓ ft. high, N. of cor.
46.00	Leave dense sage brush.; enter bog. bears N. and S.
48.00	Leave bog. cross rolling bottom.
57.25	Creek 7 lks wide, course SE.
67.00	Creek 3 lks. wide, course S.
80.00	The cor. of secs. 16, 17, 20 and 21.
45/35	Land mountainous and rolling.
	Soil stony; 3rd rate.
	No timber.
	Mountainous land and land covered with dense undergrowth, and boggy ground 45.00 chs.

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Chains.	
	N.0°03'W. bet. secs. 16 and 17., through dense sage brush, over rolling bottom Land.
21.50	Dry wash 12 lks. wide, 2 ft. deep, course SE.
33.85	Road, bears E. and W., Hoberto Vernal. Ascend.
40.00	Set a cobble stone 18x8x6 ins. 12 ins. in the ground for ¼ sec. cor. mkd. ¼ on W. face; raise mound of stone 2 ft. base, 1½ ft. high, W. of cor.
57.00	Spur projects NE.; desc.
61.00	Grassy bottom. Bears N E and S W.
79.00	Spring branch, 8 lks. wide, course SE.
80.00	Set a cobble stone 16x10x6 ins. 11 in. in ground for cor. of secs. 8, 9, 16 and 17. mkd. with 4 notches on S. and E. edge; dig pits 18x18x12 in. in each sec. 5 ½ ft. dist.; raise mound of earth 4 ft base, 2 ft. high W. of cor.
61/19	Land mountainous.
	Soil stony; 3rd rate.
	No timber.
	Mountainous land and land covered with dense undergrowth 61.00 chs.

	S. 89° 54' E. on a random line bet. secs. 9 and 16.
40.00	Set temp. ¼ sec. cor.
80.10	Intersect N. and S. line 4½ lks. S. of the cor of secs. 9, 10, 15 and 16.
	Thence I run
	N. 89° 56' W. on true line bet. secs. 9 and 16.
	Desc. over rolling land; through dense sage brush.
8.00	Creek, 5 lks. wide, course; S. 35°W.; enter scattering aspen timber; bears NE. and SW. Ascend.
32.00	Ridge, bears NE. and SW.; desc.

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Chains.	
40.05	Set a cobble stone 16x8x8 ins., 11 ins. in the ground for ¼ sec. cor. mkd. ¼ on N. face.; raise a mound of stone 2 ft. base 1½ ft. high, N. of the cor.
48.00	Foot of descent; Enter marsh, bears N. and S.
54.00	Leave marsh, bears N. and S. over grassy flat.
74.50	Spring branch, course S. 2 lks. wide.
80.10	The cor. of secs. 8, 9, 16 and 17.
	Land mountainous and level.
	Soil loam and gravelly; 2nd and 3rd rate.
	No timber.
	Mountainous land, land covered with dense sage brush and marshy land. 54.00 chs.
	June 25, 1904.

June 26, I act off 40° 14' N. on lat. arc 23° 23½' N. on decl. arc at 7h. a. m. l.m.t. determine a mer. with the solar, at the cor. of secs. 8, 9, 16, and 17.

Thence I run

N. 0° 03' W. bet. secs. 8 and 9.

Over grassy flat.

15.35	Spring branch, course SE.; 3 lks. wide.
29.00	Spring branch, course SW.; 2 lks. wide
40.00	Set cobble stone 18x18x8 ins. 12 ins. in ground for ¼ sec. cor. mkd. ¼ on W. face; raise mound of stone 2 ft. base, 1½ ft. high, W. of cor.
40.10	Spring branch, course SE.; 2 lks. wide.
41.00	Enter dense sage brush, bears SE. and S. 60° W; asc.
57.00	Spur projects SW.; desc.
75.00	Spring branch 1 lk. wide, in hollow, course SW.
80.00	Set a sandstone 18x12x7 ins., 12 ins. in ground

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CHAINS	
	for cor. of secs. 4, 5, 8 and 9, mkd. with 5 notches on S., and 4 notches on E. edge; raise a mound of stone 2 ft. base, 1½ ft. high W. of cor.
	Land level and mountainous.
	Soil loam and stony; 1st. and 3rd. rate.
	No timber.
	Mountainous land, covered with dense undergrowth. 39.00chs.
	S.89°56'E. on a random line bet. secs. 4 and 9.
40.00	Set temp. ¼ sec. cor.
80.04	Intersect N. and S. line 9 lks. N. of the cor. of secs. 3, 4, 9 and 10
	Thence I run
	N. 89°52'W. on a true line bet. secs. 4 and 9.
	Asc. over mountainous land, through dense sage brush.
14.90	Spur projects S. 30°E.; descend.
40.02	Set a cobblestone 18x10x6 ins., 12 ins. in the ground, for ¼ sec. cor., mkd. ¼ on N. face; raise a mound of stone 2 ft. base, 1½ ft. high N. of cor.
44.00	Enter aspen timber, bear N. and S.
46.00	Leave aspen, bear N. and S.
54.70	Spring branch, course S.W.; 1 lk. wide.
60.00	Hollow, course S.W.; ascend.
70.00	Spur projects S.W.; descend.
75.30	Spring branch, course S.W.; 1 lk. wide.
80.04	The cor. of secs. 4, 5, 8 and 9
	Land mountainous.
	Soil stony; 3rd. rate.
	Timber aspen.
	Mountainous land, covered with dense undergrowth. 80.04chs.
	N.0°03'W. on a random line bet. secs. 4 and 5.
40.00	Set temp. ¼ sec. cor.

CHAINS	
80.06	Intersect N. bdy. of Tp. 2½ lks. E. of the cor. of secs. 4, 5, 32 and 33, heretofore described.
	Thence I run
	S. 0°04'E. on a true line bet. secs. 4 and 5.
	Descending through dense sage brush.
8.60	Creek 4 lks. wide, course S. 30°W.
40.06	Deposit mkd. stone 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 an aspen stake, 2 ft. long, 2 ins. sq., 12 ins. in the ground, mkd.
	¼ S 5 on W. and 4 on E. face.
47.00	Shed 4 chs. W. of line.
50.00	Corral 10 chs. W. of line.
80.06	The cor. of secs. 4, 5, 8 and 9
	Land mountainous.
	Soil gravelly; 3rd. rate.
	No timber.
	Mountainous land, covered with dense undergrowth. 80.06chs.
	June 26, 1904, at this cor. I set off 23°22½'N. on decl. arc, and at 0h. 2½m. p.m. l.m.t. observe the sun on the meridian; the resulting lat. is 40°15'N.

From the cor. of secs. 5, 6, 31 and 32 on S. bdy. of Tp. 3 S., Rg. 11 W., which is a cobblestone 5x15x4 ins. above ground, firmly set, mkd. and witnessed as described by Hubert D. Page and Byron S. Kershaw, U.S. Deputy Surveyors under their contract No. 279.

I run

N. 0°04'W. bet. secs. 31 and 32.

Descend through dense sage brush.

40.00	Deposit a mkd. stone 12 ins. in the ground, for ¼ sec. cor.; dig pits 18x18x12 ins. N. and S. of corner 4 ft. dist.;

CHAINS	
	raise a mound of earth 3½ ft. base, 1½ ft. high over deposit.
	In S. pit drive an aspen stake,2 ft. long, 2 ins. sq., 12 ins. in the ground, mkd.
	¼ S 31 on W. and 32 on E. face.
46.50	Hollow, course S.E.; ascend.
62.00	Spur projects W.; descend.
80.00	Set a sandstone 18x10x5 ins., 12 ins. in the ground, for cor. of secs. 29, 30, 31 and 32, mkd. with 1 notch on S., and 5 notches on E. edge; dig pits 18x18x12 ins. in each sec. 5½ ft. dist.; raise a mound of earth 4 ft. base, 2 ft. high W. of cor.
	Land mountainous.
	Soil stony; 2nd. and 3rd. rate.
	No timber.
	Mountainous land, covered with dense undergrowth.80.00 chs.

	S. 89°52'E. on a random line bet. secs. 29 and 32.
40.00	Set temp. ¼ sec. cor.
79.98	Intersect N. and S. line at cor. of secs. 28, 29, 32 and 33, Thence I run
	N. 89°52'W. on a true line bet. secs. 29 and 32.
	Over rolling bottom land.
8.84	Road, bears N. and S.; enter dense sage brush, bears N.W. and S.
14.00	Leave bottom land; ascend.
39.99	Set a cobblestone 18x10x7 ins., 9 ins. in the ground, for ¼ sec. cor., mkd. ¼ on N. face; raise a mound of stone 2 ft. base, 1½ ft. high N. of cor.
43.00	Road, bears N.W. and S.; descend.
64.60	Hollow, course S.E.; ascend.
71.00	Spur projects S.10°E.; descend.
79.98	The cor. of secs. 29, 30, 31 and 32.
7.14 / 884	Land rolling and mountainous.

CHAINS	
	Soil stony; 2nd. and 3rd. rate.
	No timber.
	Mountainous land, and land covered with dense undergrowth.
	71.14 chs. June 26, 1904.
	June 27, 1904, at 7h. a.m. l.m.t. I set off 40°11½'N. on lat. arc; 23°20½'N. on decl. arc, and determine a meridian with the solar, at the cor. of secs. 29, 30, 31 and 32.
	Thence I run
	N. 89°52'W. on a random line bet. secs. 30 and 31.
40.00	Set temp. ¼ sec. cor.
79.54	Intersect west bdy. of Tp. 4½ lks. N. of the cor. of secs. 25, 30, 31 and 36, previously described.
	Thence I run
	S. 89°54'E. on a true line bet. secs. 30 and 31.
	Desc. over mountainous land; through dense sage brush.
7.00	Draw, course S.60°E.; ascend.
27.00	Spur projects S.; along broken S. slope.
39.54	Set a cobblestone 14x12x8 ins., 10 ins. in the ground; for ¼ sec. cor., mkd. ¼ on N. face; raise a mound of stone 2 ft. base, 1½ ft. high N. of cor.
48.00	Steep descent.
60.00	Draw, course S.E.; ascend.
79.54	The cor. of secs. 29, 30, 31 and 32.
	Land mountainous.
	Soil stony; 3rd. rate.
	No timber.
	Mountainous land, covered with dense undergrowth. 79.54 chs.
	N. 0°04'W. bet. secs. 29 and 30.
	Ascend through dense sage brush.
11.00	Saddle, bears N.E. and S.W., in ridge bears N.W. and S.E.

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CHAINS	
	Descend.
40.00	Set a cobblestone 15x12x8 ins., 10 ins. in the ground, for ¼ sec. cor., mkd. ¼ on W. face; raise a mound of stone 2 ft. base, 1½ ft. high W. of cor.
75.00	Foot of steep slope. Road, bears N.W. and S.E.
80.00	Set a cobblestone 16x10x8 ins., 11 ins. in the ground, for cor. of secs. 19, 20, 29 and 30, mkd. with 2 notches on S., and 5 notches on E. edge; raise a mound of stone 2 ft. base, 1½ ft. high W. of cor.
	Land mountainous.
	Soil stony; 3rd. rate.
	No timber.
	Mountainous land, and land covered with dense undergrowth.
	80.00 chs.

S.89°52'E. on a random line bet. secs. 20 and 29.

40.00	Set temp. ¼ sec. cor.
80.02	Intersect N. and S. line 5 lks. N. of the cor. of secs. 20, 21, 28 and 29.
	Thence I run
	N. 89°50'W. on a true line bet. secs. 20 and 29.
	Over rolling bottom land.
10.30	Strawberry River, 75 lks. wide, course S.E.
12.60	Creek 15 lks. wide, course S.E., enter dense willows, bear N.W. and S.E.
14.00	Leave willows, bear N.W. and S.E.
40.01	Set an aspen post 3 ft. long, 4 ins. sq., with marked stone, 24 ins. in the ground, for ¼ sec. cor. mkd. ¼S 20 on N. face and 29 on S. face; dig pits 18x18x12 ins. E. and W. of post 3 ft. dist.; raise a mound of earth 3½ ft. base, 1½ ft. high N. of cor.
40.50	Slough 15 lks. wide, bears N.W. and S.E.
62.00	Road, bears N. and S.

CHAINS	
76.90	Mud Creek 6 lks. wide, course S.E.
80.02	The cor. of secs. 19, 20, 29 and 30
	Land rolling and bottom.
	Soil loam; 1st. and 2nd. rate.
	No timber.

N. 89°54'W. on a random line bet. secs. 19 and 30.

40.00	Set temp. ¼ sec. cor.
79.44	Intersect W. bdy. of Tp. 5 lks. S. of the cor. of secs. 19, 24, 25 and 30, previously described.
	Thence I run

S. 89°52'E. on a true line bet. secs. 19 and 30.

	Ascend over mountainous land, through dense sage brush.
1.50	Top of spur projects N.;
	Descend.
16.30	Spring branch 3 lks. wide, course N.
39.44	Set a sandstone 14x12x10 ins., 10 ins. in the ground, for ¼ sec. cor., mkd. ¼ on N. face; raise a mound of stone 2 ft. base, 1½ ft. high N. of cor.
47.72	Spring branch 2 lks. wide, in ravine 100 ft. deep, course N.; ascend.
51.50	Spur projects N.
	Descend.
76.75	An old road, bears N.E. and S.W. Foot of slope.
79.44	The cor. of secs. 19, 20, 29 and 30
	Land mountainous.
	Soil stony; 3rd. rate.
	No timber.
	Mountainous land, and land covered with dense undergrowth.
	79.44 chs.

June 27, 1904, at this cor. I set off 23°20'N. on decl. arc,

Chains.	
	and at 0[illegible]h.3m.p.m. [illegible]m.t. observe the sun on the mer. the resulting lat. is 40° 12⅓' N.
	N.0°04'W.bet. secs. 19 and 20.
	Over rolling bottom land.
2.50	Mud Creek, 6 lks. wide, course SW.; asc. through dense sagebrush.
36.00	Spur projects SE.; desc.
40.00	Set a sandstone 18x8x5 ins., 12 ins. in ground for ¼ sec. cor. mkd. ¼ on W. face; raise mound of stone 2 ft. base, 1½ ft. high W. of cor.
53.00	Enter bottom land.; leave sage brush, bears NW. and SE.
54.45	Road, bears S. 40° E. and NW.
80.00	Set cobble stone 14x10x7 ins., 10 ins. in ground for cor of secs. 17, 18, 19 and 20 mkd. with 3 notches on S. and 5 notches on E. edge; raise mound of stone 2 ft. base, 1½ ft. high W. of cor.
	Land level and mountainous.
	Soil loam and stony; 1st and 3rd rate.
	No timber.
	Mountainous land covered with dense undergrowth 50.50 chs.
	S. 89° 50' E. on random line bet. secs. 17 and 20.
40.00	Set temp. ¼ sec. cor.
79.96	Intersect N. and S. line 2½ lks. S. of cor. of secs. 16, 17, 20 and 21.
	Thence I run
	N. 89° 51' W. on true line bet. secs. 17 and 20.
	Desc. through dense sage brush.
7.30	Dry wash, 12 lks. wide 4 ft. deep, course SW.
11.90	Same wash, course NE.

chains.

16.35 Dry wash, course SE.

39.98 Set cobble stone 14x9x7 ins., 10 ins. in ground for ¼ sec. cor. mkd. ¼ on N. face; raise mound of stone 2 ft. base, 1½ ft. high N. of cor.

40.15 Dry wash, course S.

51.00 Strawberry River, 1 ch wide, course S.

Over rolling bottom land.

79.96 The cor. of secs. 17, 18, 19 and 20.

Land rolling; nearly level.

Soil sandy loam; 1st and 2nd rate.

No timber.

Land covered with dense undergrowth 79.96 chs.

N. 89° 52' W. on random line bet. secs. 18 and 19.

40.00 Set temp. ¼ sec. cor.

79.40 Intersect W. bdy. of Tp. 2 lks. N. of the cor. of secs. 13, 18, 19 and 24, previously described.

Thence I run

S. 89° 53' E. on true line bet. secs. 18 and 19.

Dens. over mountainous land through dense sage brush.

39.40 Set cobble 14x14x10 ins., 10 ins. in ground for ¼ sec cor. mkd. ¼ on N. face; raise mound of stone 2 ft. base 1½ ft. high, N. of cor.

65.00 Enter bottom land.

65.40 Road, bears S. 30° E. and N.

79.40 The cor. of secs. 17, 18, 19 and 20.

Land mountainous and bottom land.

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

No timber.

Chains.	
	Mountainous land and land covered with dense undergrowth 79.40 chs.
	June 27, 1904.
	June 28, at 7 hs. a. m. l. m. t. I set off 23° 19' N. on decl. arc 40° 13½' N. on lat. arc and determine a mer. with the solar, at the cor. of secs. 17, 18, 19, and 20.
	Thence I run
	N. 0°04' W. bet. secs. 17 and 18.
	Over r olling bottom land; through dense sage brush.
14.15	Strawberry River 50 lks. wide, course SE.
40.00	Set a sandstone 12x8x6 ins. 8 ins. in the ground for ¼ sec. cor. mkd. ¼ on W. face; dig pits 18x18x12 ins. N. and S. of stone 3 ft. dist.; raise mound of earth 3½ ft. base. 1½ ft. high, W. of cor.
68.00	Dry wash 16 lks, wide 5 ft. deep, course SE.
70.25	Creek 7 lks wide, course SE.
80.00	Set a cobble stone 20x10x4 Ins. 15ins. in ground for cor of secs. 7, 8, 17 and 18 mkd. with 4 notches on S. and 5 notches on E. edge; dig pits 18x18x12ins. in each sec. 5½ ft. dist.; raise a mound of earth 4ft. base 2 ft. high W. of cor.
	Land rolling bottom land.
	Soil loam; 2nd rate.
	No timber.
	Land covered with dense undergrowth 80.00 chs.
	S. 89° 51' E. on random line bet. secs. 8 and 17.
40.00	Set temp. ¼ sec. cor.
79.94	Intersect N. and S. line 7 lks. S. of the cor. of secs.

SUBDIVISION OF T. 3 S. R. 11 W. U. S. P. & M.

Chains.	
	8, 9, 16 and 17.
	Thence I run
	N. 89° 54' W. on true line bet. secs. 8 and 17.
	Ascending over mountainous land, through dense sage brush.
35.00	Spur projects SE.; desc.
39.97	Set a sandstone 15x9x5 ins. 10 ins. in ground for ¼ sec. cor. mkd. ¼ on N. face; raise of stone 2 ft. base, 1½ ft. high N. of cor.
47.00	Hollow, course S. asc.
51.00	Spur projects S.; desc.
62.50	Ravine 200 ft. deep, course S.; asc.
65.00	Spur porjects S.; desc.
74.00	Across bottom lands.
77.20	Road, bears NW. and SE. Heber to Vernal.
79.94	The cor. of secs. 7, 8, 17 and 18.
	Land mountainous.
	Soil stony, 3rd rate.
	No timber.
	Mountainous land and land covered with dense undergrowth
	79.94 chs.

	N. 89° 55' W. on random line bet. secs. 7 and 18.
40.00	Set temp. ¼ sec. cor.
79.30	Intersect W. bdy. of Tp. 4½ lks. N. of the cor of secs. 7, 12, 13 and 18, previously described.
	Thence I run
	S. 89° 55' E. on true line bet. secs. 7 and 18.
	Descending through dense willows.
0.75	Strawberry River 75 lks. wide, course SE.
13.00	Leave willows, bear N. 50° W. and SE.

SUBDIVISION OF T. 3 S. R. 11 W. U. S. B. & M.

Chains.	
23.71	Spring branch, course S. ;2 lks.wide.
31.00	Spring branch, course S. 3 lks.wide.
39.30	Set a sandstone 20x12x6 ins., 15 ins. in ground for ¼ sec. cor. mkd. ¼ on N. face; dig pits 18x18x12 ins.E. and W. of stone 3 ft. dist.; raise mound of earth 3⅓ ft. base, 1½ ft high. N. of cor.
75.35	Creek 10 lks wide, course S. 35° E.
79.30	The cor. of secs. 7, 8, 17 and 18.
13/16.30	Land rolling bottom.
	Soil sandy.and loam, 1st and 2nd rate.
	No timber.
	Land covered with dense undergrowth 13.00 chs.
	June 28; at this cor. I set off 23° 17' N. on decl. arc and at 0 h.3m.p.m.l. m. t. observe the sun on the mer. the resulting lat. is 40° 14' N.
	N.0°04'W.bet. secs. 7 and 8.
	Over rolling bottom land; through dense sage brush.
1.12	Road, bears NE. and SW. Heber to Vernal.
40.00	Set aspen post 3ft.long,4 ins.sq.,with mkd.stone,24 ins. in ground for ¼ sec.cor.,mkd.¼S 7 on W.face,8 on E. face; dig pits 18x18x12 ins: N. and S. of post. 3 ft. dist.; raise mound of earth 3⅓ ft. base, 1½ ft. high, W. of cor.
	Ascending .
79.00	Spring branch, course SE. ;2 lks.wide,
80.00	Set sandstone 18x9x7 ins., 12 ins. in ground for cor of secs. 5, 6, 7, and 8 mkd. with 5 notches on S. and 5 notches onE. edge; raise mound of stone 2 ft. base,, 1½ ft. high W. of cor.

Chains.	
	Land rolling bottom land.
	Soil sandy loam, 1st and 3rd rate.
	No timber.
	Land covered with dense undergrowth 80.00 chs.
	S. 89° 54' E. on random line bet. secs. 5 and 8.
40.00	Set temp. ¼ sec. cor.
79.98	Intersect N. and S. line 2⅞ lks. S. of the cor of secs. 4 5, 8 and 9.
	Thence I run
	N. 89° 55' W. on true line bet, sec. 5 and 8.
	Over rolling bottom land, through dense sage brush.
3. 45	Spring branch, course S.;2 lks.wide.
12 .35	Spring branch, course S.;1 lk.wide.
39.99	Set cobble stone 16x10x8.ins. 11 in. in ground for ¼ sec. cor. mkd. 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.
44.00	Corral 75 lks. S.of line.
44.80	Creek 6 lks. wide, course SW.
47.50	Road, bears NW. and SE.
79.00	Leave sage brush, enter grassy flat, bears N. and S.
79.98	The cor. of secs. 5, 6, 7 and 8.
	Land rolling bottom land.
	Soil sandy loam.2nd rate.
	No timber.
	Land covered with dense undergrowth 79.00 chs.
	N. 89° 55' W. on random line bet. secs. 6 and 7
40.00	Set temp. ¼ sec. cor.

SUBDIVISION OF T. 3 S. R. 11 W. U. S. B. & M.

Chains.	
79.12	Intersect W. bdy. of Tp. 2½lks. N. of the cor. of secs. 1, 6, 7 and 12; previously described.
	Thence I run
	S. 89° 56' E. on true line bet. secs 6 and 7.
	Through dense willows, over rolling bottom land.
5.60	Co-op Creek 12 lks wide, course S.; leave willows, enter sage brush, bear N. and S.
11.60	Leave sage brush, bears N. and S.; enter grassy flat.
20.00	Slough 6 lks wide, bear NW. and SE.
34.10	Spring branch, course SE.; 2 lks. wide.
38.00	Spring branch, course SW.; 1 lk. wide.
39.12	Set sandstone 16x8x6 ins., 11 ins. in ground for ¼ sec. cor. mkd. 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, on cor.
40.00	Creek 40 lks. wide, course SW.
41.50	Leave grassy flat. enter dense sage brush, bears NW. and S.
41.00	ascend.
49.00	Spur projects S.; desc.
73.00	Foot of desc. leave sage brush, enter grassy flat, bears NE. and SW.
75.00	Spring branch, course SE.; 1 lk. wide.
78.17	Spring branch, course SE.; 2 lks. wide.
79.12	The cor of secs. 5, 6, 7 and 8
	Land rolling and mountainous.
	Soil loam and stony, 1st and 3rd rate.
	No timber.
	Mountainous land, land covered with dense undergrowth 23.10 chs.

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SUBDIVISION OF T. 3 S. R. 11 W. U. S. B. & M.

Chains.	
	N.0°04'W. on random line bet. secs. 5 and 6.
40.00	Set temp. ¼ sec. cor.
80.15	Intersect N. bdy. of Tp 5 lks. E. of the cor of secs. 5, 6, 31 and 32, previously described.
	Thence I run
	S. 0°06' E. on true line bet, secs. 5 and 6.
	Over rolling ground, through dense sage brush.
35.00	Leave sage brush, bears E. and W.
40.15	Set cobblestone 12x8x4 ins., 8 ins. in ground for ¼ sec. cor. mkd. ¼ on W. face; raise mound of stone 2 ft. base, 1½ ft. high W. of cpr.
45.00	Bog 35 lks. wide, bears E. and W.
57.65	Enter dense sage brush, bears E. and W.
64.90	Road, bears NW. and SE.
77.00	Leave sage brush, bears E. and W.; enter grassy flat.
80.15	The cor of secs. 5, 6, 7 and 8.
	Land rolling.
	Soil gravelly. 2nd rate.
	No timber.
	Land covered with dense undergrowth 54.35 chs.
	June 28, 1904.

GENERAL DESCRIPTION.

This Tp. contains nearly every variety of land from broad open valley to high steep mts. and the soil ranges from a rich loam to a rocky, gravelly soil, totally unfit for agricultural purposes. The soil along the Strawberry River and some of its larger tributaries is of a very rich character, the balance of the Tp. being quite stony.

The timber in this Tp. consists of small scrub aspen which is of little value. The mountains in the eastern part

SUBDIVISION OF T. 3 S. R. 11 W. U. S. B. & M.

of the Tp. are covered with heavy growth of briar, choke-cherry and other brush, while in the western and southern portion of the Tp. they are covered with dense sage brush. The Tp. is well watered by the Strawberry River and its many tributaries and streams and brooks.

There is no mineral in the Tp. and at present there are no settlers here.

The Strawberry Valley is a wide, open valley and would make excellent farming land, but only the most hardy produce can be grown on account of high altitude.

The mountainous portionsof the Tp. are fit for only grazing purposes only.

James M Leitz

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 final affidavits see book "P" T.1 S.R.12 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 _____

For final affidavits see book "P" T.1 S.R.12 W., *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 affidavits see book "Pr. T.1 S.R.13 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; and should any fraud be detected, I will suffer the penalty of perjury under the provisions of an Act of Congress approved August 8, 1846.

.....

United States Deputy Surveyor.

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

.....

SEAL

.....

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, December 31, 1904.

The foregoing field notes of the survey of the Subdivisional lines of Township No.3 South, Range No.11 West of the Uintah Special Base and Meridian Utah,

executed by James H. Lentz under his contract No. 280, dated July 29, 1903 having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Edward M. Anderson

United States Surveyor General.

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

.....

United States Surveyor General.

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BOOK A-315

FILED

OCT 31 1904

FIELD NOTES

OF THE SURVEY OF THE

North

Boundary

of

Township No. 3 South

Range No. 12 West

Of the Uintah Special Base Meridian,

in the State of Utah.

AS SURVEYED BY

James W. Lentz, United States Deputy Surveyor,

Under his Contract No. 280, dated July 22nd, 1903

Survey commenced June 28th, 1904

Survey completed " 29th, 1904

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High 4-29-10

Low 67-90

Closing 1-31

5 1700

BOOK A-315

NAMES AND DUTIES OF ASSISTANTS.

William Longwecker Chainman
Samuel M Ballard "
Dexter A McBride Moundman
John N Carroll Axman
Lawrence Swan "
David J. Marchant Flagman

For preliminary affidavits see book "B" T.4 S.R.12 W.

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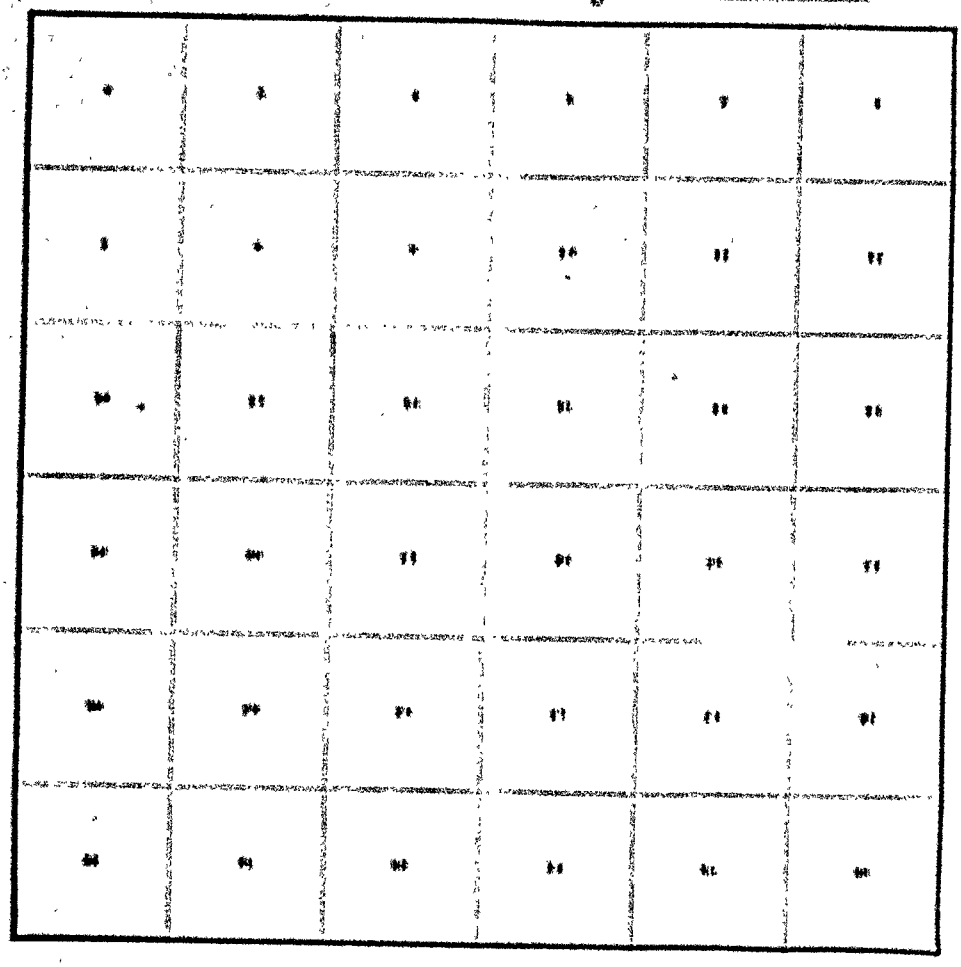
BOOK A-315

INDEX DIAGRAM.

Township . *Range*



Meanders Page

PRELIMINARY OATHS OF ASSISTANTS.

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

_____

_____, *Chainman.*

_____, *Chainman.*

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

_____

_____

NORTH BOUNDARY T. 3 S. R. 12 W. U. S. B. & M.

Survey commenced June 28, 1904 and executed with the instrument described in book "A" of this survey. I examine the adjustments of the transit and find them correct; then to test the solar aparatus by comparing its indications resulting from solar observations made during a. m. and p. m. hours, with a mer. determined by observations on Polaris, I proceed as follows:

At the cor. of townships 2 and 3 S. Rgs. 11 and 12 W. heretofore described; I set off 40° 16' N on lat. arc 23° 17½' N. on decl. arc. and at 4 hs. p. m. l. m. t. determine a mer. with the solar and mark a point thereof on a stone firmly set in the ground 5 chs. N. of my station.

June 28, 1904.

June 29, 1904, at 1 h. 01 m. a. m. l. m. t. I observe Polaris at eastern elongation, in accordance with the 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 6h a. m. l. m. t. I lay of the azimuth of Polaris 1° 34.5' to the W., the mer. thus determined falls on a pole held on the point cut in stone set June 28, to mark the mer. determined by the solar.

At 7h a. m. l. m. t. I set off 40° 16' N. on lat. arc. 23° 16' N. on decl. arc. and determine a mer. with the solar. The mer. thus determined falls on a pole held on the mark determined by p. m. solar and tested by Polaris observation.

The solar apparatus by p. m. and a. m. observations defines the same position for true mer. as that obtained by Polaris observation; therefore, I conclude that the

Chains. adjustments of the instrument are correct.

Magnetic bearing of the true mer. at 8 ha. m. is N. 17° W.; the angle thus determined gives the magnetic decl. 17° E.

From this cor. I run W. on true line bet. secs. 1 and 36. along the N. bdy. of Tp. 3 S. Rg. 12 W.

Ascending over mountainous land; through dense sage brush and young aspen

12.50 Ridge, bears N. and S. desc.

24.25 Creek 5 lks. wide, in ravine 300 ft. deep; course S.; ascend.

38.00 Enter heavy aspen timber, bears N. and S.

40.00 Set cobble stone 14x8x6 ins., 10 ins. in ground for ¼ sec. cor. mkd. ¼ on N. face; from which

an aspen 6 ins. diam., bears N. 41° W. 23 lks. dist. mkd. ¼ S 36 B T.

an aspen 8 ins. diam., bears S. 18° E. 62 lks dist. mkd. ¼ S 1 B T.

42.50 Ridge, bears N. and S. leave aspen, bears N. and S.; desc.

64.80 Ravine 150 ft. deep, course S. 30° E.; asc.

76.25 Spur projects S. 20° E. desc.

80.00 Set a cobble stone 15x13x6 ins., 10 ins. in ground for cor. of secs. 1, 2, 35 and 36, mkd with 1 notch on E. and 5 notches on W. edge; raise mound of stone 2 ft. base 1½ ft. high., W. of cor.

Land mountainous.

Soil stony; 3rd rate.

Timber aspen.

Mountainous land; heavily timbered and covered with dense undergrowth 80.00 chs.

Chains.	
	W. bet. secs. 2, and 35.
	Descending over mountainous land.
2.00	Enter dense willows, bear N. and S.
4.00	Leave willows; across rolling bottom land. through sage brush.
6.10	Main road from Heber to Vernal. bears NW. and SE.
40.00	Set cobble stone 15x8x6 ins., 10 ins. in ground for ¼ sec cor. mkd. ¼ on N. face; dig pits 18x18x12 ins. E. and W. of stone 3 ft. dist.; raise mound of earth 3½ ft. base, 1½ ft. high N. of cor.
50.90	Enter dense willows, bears NW. and SE.
55.50	Strawberry River 25 lks. wide, course S.
59.00	Leave willows, bear N. and S.
80.00	Set cobble stone 15x12x9 ins. 10 ins. in ground for cor of secs. 2, 3, 34 and 35. mkd. with 2 notches on E. and 4 notches on W. edge; raise mound of stone 2½ ft. base, 1½ ft. high W. of cor.
	Land mountainous and rolling.
	Soil loam and stony, 1st and 2nd rate.
	No timber.
	Mountainous and land covered with dense undergrowth 12.10 chs.

	W. bet. secs. 3 and 34.
	Over rolling bottom lands; through dense sage brush.
15.50	Road, bears NW. and SE.
20.50	Enter dense willows, bear N. and S.
22.50	Leave dense willows, bear N. and S.; asc.
40.00	Set cobble stone 13x12x8 ins. 9 ins. in ground for ¼ sec cor. mkd. ¼ on N. face; raise mound of stone 2 ft. base, 1½ ft. high, N. of cor.

NORTH BOUNDARY T. 3 S., R. 12 W., U. S. B. & M.

Chains.

61.75 Heavy aspen, bears N. and S.; begin steep ascent.

80.00 Set cobble stone 12x11x7 ins. 8 ins. in ground for cor. of secs. 3, 4 33 and 34. mkd. with 3 notches on E. and W. edges; from which

an aspen 10 ins. diam. bears N. 21° E. 23lks dist. mkd. T 2 S R 12 W S 34 B T.

an aspen 6 ins. diam. bears S. 38° E. 43 lks. dist. mkd. T 3. S R 12 W S 3 B T.

an aspen 4 ins. diam. bears S. 64° W. 81 lks dist. mkd. T 3 S R 12 W. S 4 B T.

an aspen 6 ins diam.; bears N. 38° W. 64 lks dist. mkd. T 2 S R 12 W S 33 B T.

Land rolling and mountainous.

Soil stony and loam; 1st and 4th rate.

Timber aspen.

Mountainous land and land covered with dense undergrowth 80.00 chs.

June 29, at this cor. I set off 23° 14' N. on decl. arc and at 0 h.3m.p.m.l.m.t., observe the sun on the mer. the resulting lat. is 40° 16' N.

W. bet. secs. 4 and 33.

Ascending through heavy aspen timber and dense chokecherry brush:over mountainous land.

21.95 Spur projects NE.; Desc. through burnt timber.

40.00 Set a limestone 12x8x8 ins., 8 ins. in the ground for ¼ sec. cor. mkd. ¼ on N. face; from which

a pine 4 ins. diam., bears N. 60° W. 52 lks dist. mkd. ¼ S 33 B T.

NORTH BOUNDARY OF T.3 S., R.12 W., U.S.B.& M.

CHAINS	
	A pine 4 ins. diam., bears S.15°W. 39 lks. dist. mkd. ¼ S 4 B T.
44.10	Ravine 300 ft. deep, course N. 55°E.; ascend.
80.00	Set a quartzite stone 14x12x8 ins., 10 ins. in the ground, for cor. of secs. 4-5-32 and 33, mkd. with 4 notches on E., and 2 notches on W. edges; from which
	An aspen 6 ins. diam., bears N.31°E. 44 lks. dist. mkd. T 2 S R 12 W S 33 B T.
	An aspen 6 ins. diam., bears S.80°E. 37 lks. dist. mkd. T 3 S R 12 W S 4 B T.
	An aspen 4 ins. diam. bears S. 61°W. 22 lks. dist. mkd. T 3 S R 12 W S 5 B T.
	An aspen 5 ins. diam., bears N. 60°W. 51 lks. dist. mkd. T 2 S R 12 W S 32 B T.
	Land mountainous.
	Soil stony; 3rd. rate.
	Timber aspen and pine.
	Mountainous land, heavily timbered, and covered with dense undergrowth. 80.00 chs.

W. bet. secs. 5 and 32.

	Ascending through heavy aspen timber, and dense chokecherry brush, along broken S. slope.
40.00	Set a sandstone 16x10x7 ins., 11 ins. in the ground, for ¼ sec. cor., mkd. ¼ on N. face; from which
	An aspen 4 ins. diam. bears N. 2°E. 25 lks. dist. mkd. ¼ S 32 B T.
	An aspen 4 ins. diam., bears S. 28°W. 52 lks. dist. mkd. ¼ S 5 B T.
80.00	Set a quartzite stone 16x12x10 ins., 11 ins. in the ground for cor. of secs. 5-6-31 and 32, mkd. with 5 notches on E. and 1 notch on W. edges; from which
	An aspen 4 ins. diam., bears N. 52°E. 44 lks. dist. mkd. T 2 S R 12 W S 32 B T.

CHAINS	
	An aspen 15 ins. diam., bears S.28°E. 30 lks. dist. mkd. T 3 S R 12 W S 5 B T.
	An aspen 6 ins. diam., bears S. 37°W. 114 lks. dist. mkd. T 3 S R 12 W S 6 B T.
	An aspen 10 ins. diam., bears N. 20°W. 74 lks. dist. mkd. T 2 S R 12 W S 31 B T.
	Land mountainous.
	Soil stony; 3rd. rate.
	Timber aspen.
	Mountainous land; heavily timbered, and covered with dense undergrowth. 80.00 chs.
	W. bet. secs. 6 and 31
	Ascending through heavy aspen timber, and dense undergrowth.
17.00	Intersect West Boundary of Uintah Indian Reservation.
	Set a quartzite stone 15x12x10 ins., 10 ins. in the ground for closing cor. Tps.2 and 3 S.R.12 W, mkd. C C U I P and 5 grooves on E.,P L on W.;2 S on N.;3 S on S.,with 6 grooves on N.and S.faces;from which
	An aspen 20 ins. diam., bears N. 32°E. 72 lks. dist. mkd. U I R T 2 S R 12 W S 31 B T.
	An aspen 20 ins. diam., bears S. 32°E. 56 lks. dist. mkd. U I R T 3 S R 12 W S 6 B T.
	From the closing corner, the ½ mile cor., bet. mile posts Nos. 128 and 129,on the bdy., as established by Deputies A. H. and F. M. Brown, under their contract No. 264, bears S.8°15' E. 1.31 chs.
	Land mountainous.
	Soil stony; 2nd. and 3rd. rate.
	Timber aspen.
	Mountainous land; heavily timbered, and covered with dense undergrowth. 17.00 chs.

NORTH BOUNDARY T 3 S. R. 12 W. U. S. B. & M.

Chains.

June 29, 1904.

For general description, see subdivision of this Tp.

James M Lentz

U. S. Deputy Surveyor.

Volume
#
R0315

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PAGE

BOUNDARIES OF TOWNSHIP 3 S., R.12 W., U.S.B.& M.

Latitudes, Departures, and Closing Errors.

Line Designated	True Bearing	Distance	Latitude N.	Latitude S.	Departure E.	Departure W.
		Chs.	Chs.	Chs.	Chs.	Chs.
Bdy.T.3 S.,R.11W.	South	480.00		480.00		
" " 4 " " 12W.	West	204.85				204.85
" " 3 " " 12W.	East	417.00			417.00	
I.R. Bdy.	N.47°30'W.	11.12	7.51			8.20
" " "	N.34°45'W.	40.00	32.86			22.80
" " "	N. 2°30'E.	21.00	20.98		.91	
" " "	N.40°45'W.	42.80	32.43			27.94
" " "	N.33°W.	51.20	42.94			27.88
" " "	N.71°30'W.	5.00	1.59			4.74
" " "	N.50°30'W.	44.50	28.30			34.34
" " "	N.28°30'E.	11.50	10.11		5.49	
" " "	N.43°W.	24.00	17.55			16.37
" " "	N.68°W.	18.50	6.93			17.15
" " "	N.12°45'W.	38.50	37.55			8.49
" " "	N.32°45'W.	23.00	19.34			12.45
" " "	N.29°45'W.	40.00	34.73			19.85
" " "	N.18°15'E.	10.20	9.69		3.19	
" " "	N. 0°15'W.	43.60	43.60			.19
" " "	N.11°45'W.	17.20	16.84			3.50
" " "	N. 9°30'E.	9.00	8.87		1.48	
" " "	N.78°E.	8.80	1.83		8.61	
" " "	N.88°45'E.	15.90	.35		15.89	
" " "	N.36°15'E.	31.90	25.72		18.86	
" " "	N.55°45'W.	8.40	4.73			6.95
" " "	N.32°15'W.	55.00	46.53			29.35
" " "	N.54°30'W.	24.30	14.10			19.77
" " "	N.31°45'W.	15.70	13.35			8.26
" " "	N. 8°15'W.	1.31	1.30			.18
nvergency					.42	
tals			479.73	480.00	471.85	473.26
				479.73		471.85
rors in lat. and dep.				.27		1.41

James M Kentz U.S. Deputy Surveyor

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PAGE

BOOK A-315

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

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

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

.....

showing the respective capacities in which they acted:

....., *Chainman.*

For final affidavits see book "N" T.1 S.R.11 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 .....

For final affidavits see book "N" T.1 S.R.11 W.

....., *Chainman.*

....., *Chainman.*

....., *Moundman.*

....., *Moundman.*

....., *Axman.*

....., *Axman.*

....., *Flagman.*

.....

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

SEAL

.....

6—161

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 .....

Per final affidavit see book "N" T.1 S.R.11 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; and should any fraud be detected, I will suffer the penalty of perjury under the provisions of an Act of Congress approved August 8, 1846.

.....

United States Deputy Surveyor.

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

.....

SEAL

.....

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, December 31, 1904.

The foregoing field notes of the survey of the North Boundary of Township No.3 South, Range No.12 West of the Uintah Special Base and Meridian, Utah;

executed by James M. Lentz under his contract No. 280, dated July 22, 1903, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Edward M. Anderson

United States Surveyor General.

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

.....

United States Surveyor General.

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4—679.

BOOK A-315

G.

FILED

OCT 31 1904

FIELD NOTES

OF THE SURVEY OF THE

H. 1-30.
C. 30-49.

Subdivision

of

Township No. 3 South

Range No. 12 West.

Of the Uintah Special Base and Meridian,

In the State of Utah

AS SURVEYED BY

James M. Lentz, United States Deputy Surveyor,

Under his Contract No. 280, dated July 22nd, 1903

Survey commenced June 29th, 1904

Survey completed July 7th, 1904

6—151

Hi 47-59-17 ✓ Low - 6[illegible] ✓

Closings 1-15-69 ✓

BOOK A-315

NAMES AND DUTIES OF ASSISTANTS.

William Longanecker	Chainman
Samuel M Ballard	"
Dexter A. McBride	Rodman
John N. Carroll	"
Lawrence Swan	Axman
David J Marchant	Flagman

For preliminary affidavits see book "C" T.4 S.R.12 W.

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BOOK A-315

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

Meanders Page.....

PRELIMINARY OATHS OF ASSISTANTS.

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

_____

_____, *Chainman.*

_____, *Chainman.*

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

_____

_____

Survey comemnced June 29th., 1904, and executed with the instrument described in Book "A" of this survey. I examine the adjustments of the transit and find them correct: then to test the solar apparatus by comparing its indications resulting from solar observations made during p.m. and a.m. hours with a meridian determined by observations on Polaris, I proceed as follows: At the cor. of secs.1,2,35,and 36 on S.bdy. of Tp,previously described; latitude 40°10'41" N.; long. 111°13'54"W,; I set off 40° 11' N. on lat. arc, 23°14½' N. on decl. arc, and at 5 h.. 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 my station.

June 29th., 1904.

June 30th., 1904, at 0h57m.a.m.l.m.t. I observe Polaris at eastern elongation in accordance with the Manual of Instructions and mark a point thus determined on a peg driven in theground 5 chs. N. of my station.

At 6ha.m. l.m.t. I lay off the Azimuth of Polaris, 1°34½' to the W. The meridian thus determined falls on a pole held on a point cut in the stone set June 29th. to mark the meridian determined by solar observation.

At 7 hs. a.m. l.m.t. I set off 40°11' N. on lat. arc, 23°12½' N. on decl. arc, and determine a meridian with the solar. The meridian thus determined falls on a pole held on the mark determined by p.m. solar observation and tested by Polaris observation.

The solar apparatus by p.m. and a.m. observations defines the same position for the meridian as that obtain- by Polaris observation; therefore I conclude that the adjustments of the instrument are correct.

SUBDIVISION OF T 3 S., R 12 W., U. S. B. and M.

The magnetic bearing of the true meridian at 8h a.m. is N. 16°45' W. The angle thus determined gives the magnetic decl. 16° 45' E.

From the above corner I run,

N. 0°01' W. bet. secs. 35 and 36.

Descending over mountainous land.

3.00 Ravine 300 ft. deep, course N E. Enter dense willows, bear N E and S W.

Descend.

5.00 Leave willows, bear N E and S W. Enter dense deer and sage brush, bear N E and S W.

21.00 Spur, projects E. Descend. Enter Aspen, bear E and W.

30.00 Leave Aspen and deer brush, bear E and W.

37.50 Draw, course N E.

Ascend.

40.00 Set a sandstone 13X8X6 ins. 9 ins. in the ground for ¼ sec. cor. mkd. ¼ on W. face, from which,

An Aspen 4 ins. in diam. bears W 55 lks. dist. mkd. ¼ S 35 B T.

No other trees within limit, raise mound of stone 2 ft. base, 1½ ft. high, W. of cor.

42.00 Spur, projects N E.

Descend.

59.00 Creek, 10 lks. wide in ravine 250 ft. deep, course N. 55° E.

Ascend.

72.00 Spur, projects E. Descend.

80.00 Set a limestone 13X9X8 ins. 9 ins. in the ground for cor of secs 25,26,35 and 36, mkd. with 1 notch on S. and E. edges, and raise mound of stone 2 ft. base, 1½ ft. high W. of cor.

Land mountainous.

SUBDIVISION OF T. 3 S., R. 12 W., U. S. B. & M.

Chains.	Soil gravelly; 3rd rate.
	Timber aspen.
	Mountainous land heavily timbered and covered with dense undergrowth 80.00 chs.
	E. on random line bet. secs. 25 and 36.
40.00	Set temp. ¼ sec. cor.
80.18	Intersect E. bdy. of Tp. 2½ lks. S. from the cor. of secs 25, 30, 31 and 36 previously described.
	Thence I run
	S. 89° 59' W. on true line bet. secs. 25 and 36.
	Ascending over mountainous land; through dense sage brush.
7.00	Ridge, bears N. and S.; desc.
20.80	Spring branch 2 lks. wide, in ravine 200 ft. deep, course S. Ascend.
32.00	Spur projects S.; desc.
40.09	Set a sandstone 12x8x6 ins. 8 ins. in the ground for ¼ sec. cor. mkd ¼ on N. face; raise mound of stone 2 ft. base, 1½ ft. high, N. of cor.
53.25	Ravine 150 ft. deep, course S. asc.
62.00	Spur projects SE.; desc.
78.95	Bryant Fork, creek 8 lks. wide, course SE.
80.18	The cor. of secs. 25, 26, 35 and 36.
	Land mountainous.
	Soil stony, 3rd rate.
	No timber.
	Mountainous land covered with dense undergrowth 80.18 chs.
	N. 0°01' W. bet. secs. 25 and 26.
0.72	Creek 6 lks. wide in ravine 200 ft. deep, course SE. enter dense willows, bear NW. and SE. asc.
1.50	

SUBDIVISION OF T. 3 S. R. 11 W. U. S. B. & M.

Chains.	
1.30	Leave willows, bear NW. and SE.
11.90	Enter heavy aspen, bear E. and W.
12.70	Spur ridge, bears E. and W.; desc.
19.60	Ravine 100 ft. deep, course N. 80° E.; asc.
24.00	Spur ridge, bears N. 60° E. S. 60° W.; desc.
40.00	Set a limestone 24x12x10 ins., 18 ins in the ground for ¼ sec. cor. mkd. ¼ on W. face; from which an aspen 6 ins. diam. bears N. 43° E. 61 lks. dist. mkd. ¼ S 25 B T. an aspen 4 ins. diam, bears N. 79½° W. 17 lks. dist. mkd. ¼ S. 26 B T.
52.00	Ravine 150 ft. deep, course NE.; asc.
58.00	Spur projects N. 60° E. Leave aspen enter dense chokecherry and brier brush; desc.
71.00	Creek 2 lks. wide, in ravine 200 ft. deep, course N. 60° E.; asc.
78.00	Spur projects N. 55° E.; enter scattering aspen timber, bear NE. and SW.; desc.
80.00	Set a sandstone 24x10x8 ins., 18 ins. in ground for cor of secs. 23, 24, 25 and 26 mkd. with 2 notches on S. and 1 notch on E. edge; from which an aspen 4 ins diam., bears N. 50° W. 108 lks dist. T mkd. T 3 S R 12 W S 23 B. T. an aspen 8 ins diam, bears S. 46° W, 300 lks dist. mkd. T 3 S R 12 W S 26 B T. No other trees within limit; dig pits 18x18x12 ins. in each sec. 5½ ft. dist.; raise mound of earth 4 ft. base, 2 ft. high W. of cor.
	Land mountainous.
	Soil loam and stony; 1st and 3rd rate.

SUBDIVISION OF T 3 S. R. 12 W. U. S. B. & M.

Chains.	
	Timber aspen.
	Mountainous land; heavily timbered and covered with dense undergrowth 80.00 chs.
	June 30, at this cor. I set off 23° 11' N. on decl. arc. and at 0 h. 3½ m. p.m. l.m. t. observe the sun on the mer. the resulting lat. is 40° 12½' N.
	N. 89° 59' E. on random line bet. secs. 24 and 25.
40.00	Set temp. ¼ sec. cor.
80.04	Intersect E. bdy. of Tp. 7 lks. N. of cor of secs. 19, 24, 25 and 30, previously described.
	Thence I run
	N. 89° 58' W. on true line bet. secs. 24 and 25.
	Descending through dense sage brush.
3.00	Ravine 75 ft. deep, course NE.; asc.
17.00	Spur projects NE.; desc.
26.25	Hollow, course NE.; asc.
40.00	Enter aspen, bear NE. and SE.
40.02	Set a sandstone 15x6x7 ins., 10 ins. in ground for ¼ sec. cor. mkd. ¼ on N. face; from which
	an aspen 6 ins diam, bears N. 14° E. 9 lks dist. mkd. ¼ S 24. B T.
	an aspen 7 ins. diam., bears S. 27° W. 4 lks dist. mkd. ¼ S 25. B T.
48.00	Spur ridge, bears NE and SW.; desc.
52.00	Leave aspen, bear N. and S.
61.90	Creek, 2 Links wide, in ravine 250 ft. deep, course NE. Ascend.
80.04	The cor. of secs. 23, 24, 25 and 26.
	Land mountainous.
	Soil stony, 3rd rate.
	Timber aspen.

SUBDIVISION OF T. 3 S. R. 12 W. U. S. B. & M.

Chains. Mountainous land; heavily timbered, covered with dense undergrowth 80.04 chs.

N. 0°01' W. bet. secs. 23 and 24.

Descending through dense sage brush.

24.50 Enter willows, bear E and W.

26.00 Creek 2 lks wide, course N. 80° E.; asc.

27.50 Leave willows, bear E. and W.

33.00 Point of Spur projects E.; desc.

36.70 Mud Creek, 8. lks wide course E.; enter willows, bear E. and W.

37.80 Leave willows, bear E. and W.; over rolling bottom land, through dense sage brush.

40.00 Set a sandstone 14x12x4 ins., 10 ins. in ground for ¼, sec. cor. mkd. ¼ on W. face; raise mound of stone 2 ft. base, 1½ ft. high W. of cor.

44.00 Leave bottom land; asc.

60.00 Spur ridge, bears NW. and SE.; desc.

61.00 Enter heavy aspen, bears NW. and SE.

80.00 Set a sandstone 18x11x5 ins., 12 ins. in the ground for cor. of secs. 13, 14, 23 and 24 mkd. with 3 notches on S. and 1 notch on E. edge; from which

an aspen 6 ins. diam, bears N. 67° E. 61 lks. dist. mkd. T 3 S. R 12 W S 13 B T.

an aspen 4 ins. diam., bears S. 43° E. 4 lks. dist. mkd. T 3 S. R 12 W. S 24 B T.

an aspen 4 ins. diam. bears S. 70° W. 41 lks. dist. mkd. T 3 S R 12 W S 23 B T.

an aspen 4 ins. diam., bears N. 80° W. 65 lks. dist. mkd. T 3 S R 12 W S 14 B T.

Land mountainous and bottom land.

SUBDIVISION OF T 3 S. R. 12 W. U. S. B. & M.

Chains.	
	Soil stony and loam; 1st and 3rd. rate.
	Timber aspen.
	Mountainous land heavily timbered, and land covered with dense undergrowth 80.00 chs.
	S. 89° 58' E. on a random line bet. secs. 13 and 24.
40.00	Set temp. ¼ sec cor.
79.84	Intersect E. bdy. of Tp. 5 lks S. of the cor. of secs. 13, 18, 19 and 24, previously described.
	Thence I run
	W. on true line bet. secs. 13 and 24.
	Descending through sage brush.
8.00	Ravine 200 ft. deep, course SW. Leave aspen, bears NW. and SW.; asc.
20.00	Spur projects S.; desc.
24.40	Draw, course SW.; asc.
39.92	On a spur projects SW.
	Set a sandstone 14x8x8 ins. 10 ins. in ground for ¼ sec. cor. mkd. ¼ on N. face; raise mound of stone 2 ft. base, 1½ ft. high N. of cor.; desc.
67.30	Spring branch course SE. 2 lks wide. asc.
77.00	Enter aspen, bear N. and S.
79.84	The cor. of secs. 13, 14, 23, and 24.
	Land mountainous.
	Soil stony, 3rd rate.
	Timber aspen.
	Mountainous land; heavily timbered and covered with dense undergrowth 79.84 chs.
	June 30, 1904.

SUBDIVISION OF T. 3 S. R. 12 W. U. S. B. & M.

Chains.	
	July 1, at 7h . a. m. l. m. t. I set off 40° 13½ ' N. on lat. arc 23° 8½ ' N. on decl. arc and determine a ner. with the solar at the cor.of secs.13,14,23,and 24;
	Thence I run . .
	N.0°01' W. bet. secs. 13 and 14.
	Ascending over mountainous land; through heavy aspen timber.
3.00	Spur projects E.; desc. . . . .
7. 40.	A ravine 200 ft. deep;course S.50°E., leave heavy aspen, enter scattering aspen timber, bear NW. and SE.. asc.
19.00	Spur projects E.; desc.
40.00	Set a sandstone 14x12x6 ins., 10ins in the ground for ¼ sec. cor. mkd. ¼ on W. face; from which
	an aspen 4 ins. diam., bears S. 30° E. 83 lks. dist. mkd. ¼ S 13 B T. . .
	an aspen 5 ins. diam., bears N. 81° W. 178 lks. dist. mkd. ¼ S 14 B T. . . .
48.50	Spring branch,2 lks.wide.course E. .
70.00	Leave scattering aspen, bears E. and W.
80.00	Set a cobble stone 14x10x8 ins., 10 in s. in ground for cor. of secs. 11, 12, 13 and 14 mkd. with 4 notches on S. and 1 notch on E. edge; dig pits 18x18x12 ins. in each sec. 6½ ft. dist.; raise mound of earth 4 ft. base, 2 ft high W. of cor. . . . .
	Land mountainous. .
	Soil stony, 3rd rate. . .
	Timber aspen. .
	Mountainous land; heavily timbered and covered with dense undergrowth 80.00 chs. .
	E. on random line bet. secs. 12 and 13.
40.00	Set temp. ¼ sec. cor.

Chains.	
80.00	Intersect E. bdy. of Tp. 3 lks. S. of the cor. of secs. 7, 12, 13 and 18; previously described.
	Thence I run
	S. 89° 59' W. on a true line bet. secs. 12 and 13.
	Over rolling bottom land; through dense sage brush.
2.40	Road, bears S. 32° E. and N. 10° W.; asc.; leave bottom land.
8.30	Enter dense willow, bear N. and S.
9.30	Leave willows, bear N. and S.
30.00	Spur projects N. 20° E. desc.
40.00	Set a cobble stone 13x8x6 ins. 9 ins. in ground for ¼ sec cor. mkd. ¼ on N. face; raise mound of stone 2 ft. base, 1½ ft. high N. of cor.
56.00	Creek 3 lks. wide, course N. 35° E.; asc. over rolling land.
80.00	The cor. of secs. 11, 12, 13 and 14.
	Land mountainous and rolling.
	Soil stony. 3rd rate.
	No timber.
	Mountainous land and land covered with dense undergrowth
	80.00 chs.
	N. 0° 01' W. bet. secs. 11 and 12.
	Descending through dense sage brush.
4.00	Road, bears N. 50° W. and S. 60° E.
7.00	Enter dense willow, bear E. and W.
10.00	Creek 10 lks. wide, course S. 75° E.; asc.
13.00	Leave willows, enter dense sage brush, bear E. and W.; asc.
40.00	Set cobble stone 13x8x5 ins., 9 ins. in ground for ¼ sec. cor. mkd. ¼ on W. face; raise mound of stone 2 ft.

SUBDIVISION OF T. 3 S. R. 12 W. U. S. B. & M.

Chains.	
	base, 1½ ft. high, W. of cor.
43.50	Enter heavy aspen timber and dense chockecherry brush, bear E. and W.
78.00	Spur ridge, bear E. and W.; desc.
80.00	Set cobble stone 16x12x10 ins., 11 ins. in ground for the cor. of secs. 1, 2, 11 and 12 mkd. with 5 notches on S. and 1 notch on E. edge; from which
	an aspen 4 ins. diam., bears N. 14½° E. 20 lks. dist. mkd. T 3 S R.12 W S 1 B T.
	an aspen 4 ins. diam, bears S. 16° E. 19 lks. dist. mkd. T 3 S R 12 W.S 12 B T.
	an aspen 4 ins. diam., bears S. 84½° W. 35 lks dist. mkd. T 3 S R 12 W S 11 B T.
	an aspen 4 ins. diam., bears N. 75½° W. 25 lks dist. mkd. T 3 S R 12 W S 2 B T.
	Land mountainous.
	Soil stony, 2nd rate.
	Timber aspen.
	Mountainous land; heavily timbered and land covered with dense undergrowth 80.00 chs.
	July 1, at this cor. I set off 23° 7' N. on decl. arc and at 0 h.3½m.p.m.l.m.t. t. observe the sun on the mer. the resulting lat. is 40° 15' N.
	N. 89° 59' E. on random line bet. secs. 1 and 12.
40.00	Set temp ¼ sec. cor.
80.12	Intersect E. bdy. of Tp. 7 lks N. of the cor of secs. 1, 6, 7 and 12 previously described.
	Thence I run
	N. 89° 58' W. on true line bet. secs. 1 and 12.

Chains.	
	Gradually ascending over rolling ground; through dense sage brush.
5.75	Creek 3 lks wide, course S.
11.40	Road, bears NE. and SW.; steep ascent.
16.75	Point of spur projects S.; desc.
18.00	Road, bears NW. and SE. foot of descent; leave dens e sage across level grassy bottom.
25.50	Enter dense willow, bear N. and S.
26.50	Creek 3 lks wide, course S.; leave dense willows, bear N. and S.
36.50	Edge of swamp, bears N. and S. seeing that the point for ¼ cor. would come in the swamp, at 3.56 chs. S. 89° 58' E. of true point,
	Set cobble stone 16x7x6 ins., 11 ins. in ground for witness cor. to ½ sec. cor. mkd. W C ¼ on N. face; dig pits 18x18x12 ins. E. and W. of stone, 3 ft. dist.; raise mound of earth 3½ ft. base, 1½ ft. high, N. of cor.
37.50	Enter dense willow, bear NW. and SE.
40.06	Point for ¼ sec. cor. falls, in swamp; corner not set.
46.00	Strawberry River 75 lks. wide, course SE.; leave swamp, bears with river.
52.25	Leave dense willow, bear NW. and SE. over grassy bottom land.
56.40	Road, bears NW. and SE.; leave bottom land, begin steep ascent, enter dense sage brush, bears NE. and SW.
68.00	Leave sage brush, enter aspen timber and chokecherry brush, bears N. 60° W. and S. 65° E.
80.12	The cor. of secs. 1, 2, 11 and 12.
	Land level and mountainous.
	Soil loam and stony, 1st and 3rd rate.
	Timber aspen.
	Mountainous land; heavily timbered and land covered with

SUBDIVISION OF T 3 S., R. 12 W., U. S. B. & M.

Chains.	
	dense undergrowth 57.47 chs.
	From this cor. I am able to see the cor. o f secs. 1, 2, 35 and 36 on the N. bdy. of the Tp., therefore I run N.0°05 W. on random line bet. secs. 1, and 2 for distance only.
40.00	Set temp. ¼ sec. cor.
80.10	Intersect cor. of secs. 1, 2, 35, and 36, on N. bdy. of Tp. previously described; thence I run [illegible] .0905' E. on true line bet. secs. 1 and 2.
	Descending through dense sage brush.
7.00	Foot of descent; road, bears NW. and SE.; leave dense sage brush over level bottom land.
27.00	Enter dense willows, bear E. and W.
29.00	Strawberry River, 75 lks. wide, course SE.
32.00	Leave willows, bear W. and SE.
40.10	Set a cobble stone 12x8x6 ins., 8 ins. in ground for ¼ sec. cor. mkd. ¼ on W. face; dig pits 18x18x12 ins. N. and S. of stone 3 ft. dist.; raise mound of earth 3½ ft. base, 1½ ft. high, W. of cor.
52.00	Road, bears S. 50° E. and NW.; leave bottom land begin steep ascent, through scattering aspen and dense sage brush, bears with road.
66.00	Leave scattering aspen; enter heavy aspen timber, bears E. and W.
80.10	The cor. of secs. 1, 2, 11 and 12.
	Land level and mountainous.
	Soil loam and stony, 1st and 3rd rate.
	Timber aspen.
	Mountainous land, heavily timbered and land covered with

Chains.	
	dense undergrowth 40.10 chs.
	July 1, 1904.
	July 2, at the cor. of secs. 2, 3, 34 and 35 on S. bdy. of Tp. 3 previously described, at 7h. a. m. l. m. t. I set off 40° 11' N. on lat. arc, 23° 4½' N. on decl. arc and determine a mer. with the solar.
	Thence I run
	N. 0°02' W. bet. secs. 34 and 35.
	Descending over mountainous land through heavy aspen and scattering pine timber and chokecherry brush.
5.45	Ravine 200 ft. deep, course NE.; asc.
21.00	Spur projects NE.; desc.
40.00	Set a sandstone 15x10x5 ins., 10 ins. in ground for ¼ sec cor. mkd. ¼ on W. face; from which
	an aspen 10 ins. diam. bears N. 87° W. 45 lks. dist. mkd. ¼ S. 34 B T
	a pine 14 ins. diam., bears S. 22° E. 38 lks. dist. mkd. ¼ S 35 B T
42.50	Ravine 200 ft. deep, course NE.; as c.
52.00	Spur projects NE. desc.
80.00	Set sandstone 18x9x6 ins., 12 ins. in ground for the cor. of secs. 26, 27, 34 and 35 mkd. with 1 notch on S. and 2 notches on E. edge; from which
	an aspen 4 ins. diam., bears N. 32° E. 51 lks. dist. mkd. T 3 S R 12 W S 26 B T
	an aspen 6 in. diam., bears S. 40° E. 50 lks. dist. mkd. T 3 S R 12 W S 35 B T
	an aspen 11 ins. diam., bears S. 15° W. 79 lks. dist. mkd. T 3 S R 12 W S 34 B T

Chains.	
	an aspen 13 ins. diam., bears N. 57° W. 86 lks. dist.
	mkd. T 3 S R 12 W S 27 B T
	Land mountainous.
	soil stony, 2nd and 3rd rate.
	Timber pine and aspen.
	Mountainous and heavily timbered land. 80.00 chs.
	F. on random line bet. secs. 26 and 35.
40.00	Set temp. ¼ sec. cor.
79.92	Intersect N. and S. line 3 lks N. of the cor. of secs. 25, 26, 35 and 36.
	Thence I run
	N. 89° 59' W. on true line bet. secs. 26 and 35.
	Ascending over mountainous land through dense sage brush.
17.00	Spur projects NE.; desc.
26.75	Ravine 75 ft. deep, course NE.; asc.
30.00	Enter heavy aspen timber and dense chokecherry brush, bear NE. and SW.
39.96	Set sandstone 14x12x8 ins., 10 ins. in ground for ¼ sec. cor. mkd. ¼ on N. face. from which
	an aspen 4 ins. diam., bears N. 10½° W. 25 lks. dist. mkd. ¼ S 26 B T
	an aspen 10 ins dism., bears S. 6° W. 25 lks. dist. mkd. ¼ S 35 B T
49.90	Spur projects NE.; desc.
79.92	The cor. of secs. 26, 27, 34 and 35.
	Land mountainous.
	Soil stony, 2nd and 3rd rate.
	Timber aspen.
	Mountainous land heavily timbered and covered with dense

SUBDIVISION OF T. 3 S. R. 12 W. U. S. B. & M.

Chains	
	undergrowth 79.92 chs.
	N.0°02'W.bet. secs. 26 and 27.
	Descending over mountainous ground; through heavy aspen and scattering pine timber.
27.00	Leave aspen and pine, bear E. and W.; enter dense sage brush.
30.20	Creek 7 lks. wide in ravine 400 ft. deep, course S. 70° E.; asc.
32.00	Enter aspen, bear E. and W.
40.00	Set sandstone 12x10x8 ins., 8 ins. in ground for ¼ sec. cor. mkd ¼ on W. face; from which an aspen 8 ins. diam., bears S. 40° E. 46 lks dist. mkd. ¼ S 26 B T an aspen 7 ins. diam. bears S. 23° W. 26 lks dist. mkd. ¼ S 27 B T
54.00	Ridge, bears NE. and SW.; desc.
62.00	Enter pine, bears E. and W.
68.00	Leave pine, bear E. and W.
68.50	Ravine 400 ft. deep, course N. 60° E.; asc.
80.00	Set sandstone 18x8x4 ins., 12 ins. in ground for cor of secs. 22, 23, 26 and 27 mkd. with 2 notches on S. and E. edges; from which an aspen 6 ins. diam., bears N. 43° E. 32 lks. dist. mkd. T 3 S R 12 W S 23 B T an aspen 8 ins. diam., bears S. 42° E. 14 lks. dist. mkd. T 3 S R 12 W S 26 B T an aspen 10 ins. diam., bears S. 3° W. 65 lks dist. mkd. T 3 S R 12 W S 27 B T an aspen 10 ins diam., bears N. 20° W. 23 lks dist. mkd. T 3 S R 12 W S 22 B T

SUBDIVISION OF T 3 S. R. 12 W. U. S. B. & M.

Chains.	Land mountainous.
	Soil stony, 2nd and 3rd rate.
	Timber aspen.
	Mountainous land, heavily timbered and covered with dense undergrowth 80.00 chs.
	July 2, at this cor. I set off 23° 2½ ' N. on decl. arc, and at 0 h. 4m. p.m. l.m.t. observe the sun on the mer., the resulting lat. is 40° 12½ ' N.
	S. 89° 59' E. on random line bet. secs. 23 and 26.
40.00	Set temp. ¼ sec cor.
80.02	Intersect N. and S. line 5 lks. S. of the cor. of secs. 23, 24, 25 and 26.
	Thence I run
	S. 89° 59' W. on true line bet. secs. 23 and 26.
	Ascending over mountainous land; through dense sage brush.
2.00	Spur projects NE.; desc.
5.00	Hollow course NE.; asc.
14.00	Enter heavy aspen and scattering pine timber, bears NE and SW.
16.00	Spur projects NE.
40.01	Set sandstone 14x10x5 Ins., 10 ins. in ground for ¼ sec. cor mkd. ¼ on N. face; from which
	a pine 6 ins. diam., bears S. 60° W. 51 lks dist. mkd ¼ S. 26 B T
	a pine 10 ins diam., bears N. 60° W. 52 lks dist. mkd. ¼ S. 23 B T.
45.40	Spring branch, 1 lk. wide, course NE.; ascend,
80.02	The cor. of secs. 22, 23, 26 and 27.

SUBDIVISION OF T. 3 S. R. 12 W. U. S. B. & M.

Chains.	
	Land mountainous.
	Soil stony, 2nd and 3rd rate.
	Timber aspen.
	Mountainous land; heavily timbered and covered with dense undergrowth 80.02 chs.
	N. 0°02' W. bet. secs. 22 and 23.
	Ascending over mountainous land through dense sage brush.
4.00	Spur projects NE.; desc.
28.10	Spring branch, 2 lks. wide, course NE. in ravine 300 ft. deep. Ascend.
37.00	Dry wash, course, NE.
40.00	Set sandstone 15x10x5 ins. 10 ins. in ground for ¼ sec. cor mkd. ¼ on W. face; from which an aspen 5 ins. diam., bears S. 78° E. 10 lks dist. mkd. ¼ S 23 B T an aspen 15 ins. diam., bears S. 19° W. 6 lks dist. mkd. ¼ S 22 B T
49.00	Ridge, bears NE. and SW.; desc.
63.00	Enter pine, bear E. and W.
73.00	Leave pine, bear E. and W.
74.10	Creek 4 lks. wide, in ravine 400 ft. deep, course SE.; asc.
80.00	Set sandstone 15x12x8 ins. 10 ins. in ground for c or. of secs. 14, 15, 22 and 23 mkd. with 3 notches on S. and 2 notches on E. edge; from which an aspen 4 ins. diam., bears N. 79° E. 31 lks. dist. mkd. T 3 S R 12 W S 14 B T an aspen 4 ins. diam., bears S. 40° E. 42 lks dist. mkd. T 3 S R 12 W S 23 B T an aspen 6 ins. diam., bears S. 38° W. 55 lks dist. mkd. T 3 S R 12 W S 22 B T

Chains.	
	an aspen 5 ins. diam., bears N. 75° W. 65 lks dist.
	mkd. T 3 S R 12 W S 25 B T
	Land mountainous
	Soil stony, 3rd rate.
	Timber aspen and pine.
	Mountainous land, heavily timbered 80.00 chs.
	N. 89° 59' E. on a random line bet. secs. 14 and 23.
40.00	Set temp° ¼ sec cor.
80.12	Intersect N. and S. line 2½ lks.N. of the cor. of secs.
	13, 14, 23 and 24.
	Thence I run W. on true line bet. secs. 14 and 23.
	Ascending along broken s. slope; through dense sage brush.
27.00	Spur projects SW.; desc.
38.45	Ravine 350 ft. deep, course, SW.; asc.
40.06	Set a sandstone 14x10x6 ins., 10 ins. in ground for ¼ sec
	cor mkd. ¼ on N. face; raise mound of stone 2 ft. base,
	1½ ft. high, N. of cor.
72.00	Spur projects S.; desc.; enter aspen, bear N. and S.
80.12	The cor. of secs. 14,15, 22 and 23.
	Land mountainous.
	Soil stony, 3rd rate.
	Timber aspen.
	Mountainous land heavily timbered and covered with dense
	undergrowth. 80.12 chs.
	July 2, 1904.
	July 3, at 7h. a. m. l. m. t. I set off 40° 13' N. on
	lat. arc 23° 00' N. on decl. arc. and determine a mer. with
	the solar. at the cor. of secs. 14.15,22, and 23.

SUBDIVISION OF T 3 S. R. 12 W. U. S. B. & M.

Chains	
	Thence I run
	N.09.02' W. bet. secs. 14 and 15
	Ascending over mountainous land; through heavy aspen and dense chokecherry brush.
18.00	Ridge bears S. 70° E. and N. 80°. W.; desc. over broken ground.
40.00	Set limestone 15x10x6 ins., 10 ins. in ground for ¼ sec. cor. mkd. ¼ on W. face; from which
	a pine 6 ins. diam., bears S. 8° E. 13 lks dist.
	mkd. ¼ S 14 B T
	a balsam 16 ins. diam., bears S. 30° W. 75 lks. dist.
	mkd. ¼ S.15 B T
59.80	Ravine 250 ft. deep, course E. leave pine and fallen timber, bear E. and W. asc.
69.00	Ridge, bears E, and W.; desc.
80.00	Set a conglomerate stone 24x18x7 ins., 18 ins. in ground for cor. of secs. 10, 11, 14 and 15. mkd. with 4 notches on S. and 2 notches on E. edge; from which
	an aspen 10 ins. diam. bears N. 40° E. 33 lks. dist.
	mkd. T 3 S R 12 W S 11 B T
	an aspen 6 ins. diam., bears S. 78° E. 55 lks dist.
	mkd. T 3 S R 12 W S 14 B T
	an aspen 18 ins diam., bears S. 63° W. 36 lks dist.
	mkd. T 3 S R 12 W S 15 B T
	an aspen 15 ins, diam. bears N. 67° W. 13 lks. dist.
	mkd. T 3 S R 12 W S 10 B T
	Land mountainous.
	Soil stony 2nd and 3rd rate.
	Timber aspen and pine.
	Mountainous land heavily timbered and covered with dense undergrowth 80.00 chs.

SUBDIVISION OF T. 3 S. R. 12 W. U. S. B. & M.

Chains.	
	E. on random line bet. secs. 11 and 14.
40.00	Set temp. ¼ sec. cor.
79.98	Intersect N. and S. line 5 lks. S. of the cor. of secs. 11, 12, 13 and 14.
	Thence I run
	S. 89° 58' W. on true line bet. secs. 11 and 14.
	Ascending through dense artemesia.
3.50	Enter scattering aspen timber over broken coun-try sloping N.
25.00	Leave aspen timber, bears NE. amd SW.
25.65	Road, bears NE. and SW.
29.45	Creek 3 lks. wide, course N. 48° E.; enter dense willows bear NE. and SW.
30.50	Leave dense willows; enter dense sage brush, bear N. and S.
39.99	Set sandstone 14x12x7 ins., 10 ins. in the ground for ¼ sec. cor. mkd. ¼ on N. face; from which
	an aspen 6 ins. diam. bears N. 63½° W. 23 lks. dist. mkd. ¼ S 11 B T
	No other trees within limit; raise a mound of stone 2 ft. base, 1½ ft. high, N. of cor.
55.00	Enter heavy aspen, bear N. and S.
58.50	Spur projects N.; desc.
63.00	Creek 2 lks wide, course N.; asc.
79.98	The cor. of secs. 10, 11, 14 and 15.
	Land mountainous and broken.
	Soil stony, 2nd and 3rd rate.
	Timber aspen.
	Mountainous land heavily timbered and covered with dense undergrowth 79.98 chs.

SUBDIVISION OF T 3 S. R. 12 W. U. S. B. & M.

Chains.	
	N. 0°02' W. bet secs. 10 and 11.
	Descending over mountainous land; through heavy aspen and scattering pine timber.
8.50	Leave aspen and pine, bear E. and W.
9.00	Enter willows, bear N. and S.
9.80	Creek, 8 lks wide, in ravine 200 ft. deep, course E.; asc.
11.00	Leave willows, enter dense sage brush, bear E. and W.
15.50	Enter heavy aspen timber and dense chokecherry and deer brush, leave sage brush, bear E. and W.
20.60	Spur projects E.; desc.
35.00	Leave aspen, bear E. and W.
37.75	Road, bears N. 60 W. and SE.
38.00	Enter dense willows, bear NW. and SE.
39.55	Creek, 7 lks. wide, course S. 65° E.; asc.
40.00	Set cobble stone 12x10x6 ins., 8 ins, in ground for ¼ sec. cor. mkd. ¼ on W. face; dig pits 18x18x12 ins. N. and S. of stone 3 ft. dist; raise mound of earth 3½ ft. base, 1⅓ ft. high, W. of cor.
42.00	Leave dense willows, enter scattering aspen timber and dense chokecherry brush, bears NW. and SE.
52.00	Spur ridge, bears E. and W.; desc.
65.55	Road, bears NE. and W.
75.00	Leave heavy aspen, bear E. and W.
80.00	Set sandstone 20x14x8 ins., 15 ins. in ground for cor. of secs. 2, 3, 10 and 11 mkd. with 5 notches on S. and 2 notches on E. edge; from which
	an aspen 6 ins. diam, bears N. 3° E. 12 lks. dist. mkd. T 3 S R 12 W S 2 B T.
	an aspen 4 ins. diam., bears S. 12° E. 128 lks. dist. mkd. T 3 S R 12 W S 11 B T.
	an aspen 6 ins. diam., bears S. 31° W. 83 lks dist.

SUBDIVISION OF T. 3 S. R. 12 W. U. S. B. & M.

Chains. mkd. T. 3 S R 12 W S 10 B T.

an aspen 6 ins. diam., bears N. 19° W. 116 lks dist.

mkd. T 3 S R 12 W S 3 B.T.

Land mountainous.

Soil stony, 2nd and 3rd rate.

Timber, aspen.

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

July 3, 1904, at this cor. I set off 22° 58' N. on decl. arc and at 0 h. 4m. p.m. l. m. t. observe the sun on the mer. the resulting lat. is 40° 15' N.

N. 89° 58' E. on random line bet. secs. 2 and 11.

40.00 Set temp. ¼ sec. cor.

80.14 Intersect N. and S. line 7 lks. N. of the cor. of secs. 1, 2, 11 and 12.

Thence I run

N. 89° 59' W. on true line bet. secs. 2 and 11.

Gradually ascending along N. broken slope, through heavy aspen timber and dense chokecherry brush.

14.00 Top of spur projects N.; desc.

26.00 Leave heavy aspen; enter scattering aspen and brush, bears N. and S.

32.00 Leave scattering aspen.

40.07 Set cobble stone 18x12x6 ins., 12 ins in ground for ¼ sec. cor mkd. ¼ on N. face; raise mound of stone 2 ft. base, 1½ ft. high N. of cor.

53.30 Road, bears NE. and SW.; in bottom of hollow 500 ft. below top of spur, course NE.; asc.

64.60 Enter dense willows, bears N. and S.

Chains.	
66.60	Leave willows, bear N. and S.
80.14	The cor. of secs. 2, 3, 10 and 11.
	Land mountainous.
	Soil stony, 4th rate.
	Timber aspen.
	Mountainous land and heavily timbered, covered with dense undergrowth. 80.14 chs.
	N. 0.02 W. on random line bet. secs. 2 and 3.
40.00	Set temp. ¼ sec. cor.
80.02	Intersect N. bdy. of Tp. 5 lks. E. of the cor. of secs. 2, 3, 34 and 35 previously described.
	Thence I run
	S. 0.04' E. on a true line bet. secs. 2 and 3.
	Ascending over mountainous land; through dense sage brush.
77.00	Road, bears S. 50° E. and N. 50° W.
7.50	Ascent becomes steeper.
37.00	Enter aspen timber, ridge,; bear E. and W.; desc.
40.02	Set sandstone 18x9x5 ins., 12 ins. in ground for ¼ sec. cor. mkd. ¼ on W. face; from which
	an aspen 4 ins. diam., bears S. 58° E. 81 lks. dist. mkd. ¼ S 2 B T
	an aspen 6 ins. diam., bears N. 12° W. 112 lks dist. mkd. ¼ S 3 B T.
	Along broken E. slope., through heavy aspen timber and dense sage brush.
80.02	The cor. of secs. 2, 3, 10 and 11.
	Land mountainous.
	Soil stony, 3rd and 4th rate.

SUBDIVISION OF T. 3 S. R. 12 W. U. S. B. & M.

Chains. Timber aspen.

Mountainous and heavily timbered land, covered with dense undergrowth 80.02 chs.

July 3, 1904.

Knowing that the S. bdy. of the Tp. does not extend W. to cor. of secs. 3, 4, 33 and 34; therefore, at the cor. of secs. 26, 27, 34 and 35, heretofore described.

July 4, at 7 h. a. m. l. m. t. I set off 40° 11½' N. on lat. arc. 22° 55' N. on decl. arc and determine a mer. with the solar.

Thence I run

W. on true line bet. secs. 27 and 34.

Descending over mountainous land through heavy aspen timber and dense chokecherry brush.

18.40 Ravine 300 ft. deep, course NE.; asc.

33.50 Spur projects NE.; desc.

40.00 an aspen tree 5 ins. diam. for ¼ sec. cor. I mark ¼ S 27 on N. side and 34 on S. side; from which

an aspen 6 ins. in diam., bears N. 26° W. 12 lks. dist. mkd. ¼ S 27 B T.

an aspen 4 ins. diam. bears S. 2° E., 14 lks. dist. mkd. ¼ S 34 B T.

52.00 Enter pine, bear N. and S.

62.00 Ravine 300 ft. deep, course NE., leave pine, bear NE. and SW. asc.

80.00 Set sandstone 18x10x3 ins., 12 ins in ground for cor. of secs. 27, 28, 33 and 34. mkd. with 3 notches on E. and 1 notch on S. edge; from which

an aspen 12 ins. diam., bears N. 46° E. 34 lks. dist.

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CHAINS	
	mkd. T 3 S R 12 W S 27 B T.
	An aspen 18 ins. diam. bears S. 51°E. 42 lks. dist.
	mkd. T 3 S R 12 W S 34 B T.
	An aspen 18 ins. diam. bears S.6°W. 16 lks. dist.
	mkd. T 3 S R 12 W S 33 B T.
	An aspen 16 ins. diam. bears N. 37°W. 17 lks. dist.
	mkd. T 3 S R 12 W S 28 B T.
	Land mountainous.
	Soil stony; 2nd. and 3rd. rate.
	Timber aspen and pine.
	Mountainous land, heavily timbered, and covered with dense undergrowth. 80.00 chs.
	S.0°02'E. bet. secs. 33 and 34
	Ascending over mountainous land, through heavy aspen timber, and chokecherry brush.
9.75	Top of divide, bears S.40°E. and N. 40°W.; leave heavy aspen; enter dense scruby young aspen, bears with ridge.
	Descend.
12.91	Intersect West Boundary of Uintah Indian Reservation.
	Set a sandstone 16x14x9 ins. 11 ins. in the ground, for closing cor. of secs. 33 and 34, mkd. CCUIR and 5 grooves on N.PL on S, with 3 grooves on E. faces; raise a mound of stone 2 ft. base, 1½ ft. high N. of cor.
	From the closing cor., the 122 mile cor. as established by Deputies A.H. and F.M.Brown bears N.40,45'W. 11.08 chs. to mile post No. 122.
	Land mountainous.
	Soil stony; 3rd. rate.
	Timber aspen.
	Mountainous land; heavily timbered with dense undergrowth.
	12.91 chs.

SUBDIVISION OF T.3 S., R.12 W., U.S.B.& M.

CHAINS

From the cor. of secs. 27-28-33 and 34

Knowing the U.I.R. Bdy. to be less than 1 mile dist., I run,

W. on a true line, bet. secs. 28 and 33

Ascending over mountainous land, through heavy aspen timber, and dense chokecherry brush.

11.00 Leave aspen, bear N. and S.

11.08 Intersect West Boundary of Uintah Indian Reservation.

Set a sandstone 18x12x3 ins. 12 ins. in the ground, for closing cor. of secs. 28 and 33; mkd. CCUIR and 3 grooves, on E. P L on W. face, with 1 groove on S. face; from which

An aspen 4 ins. diam. bears S. 88°E. 205 lks. dist. mkd. U I R T 3 S R 12 W S 33 B T.

An aspen 4 ins. diam. bears N. 87½°E. 197 lks. dist. mkd. U I R T 3 S R 12 W S 28 B T.

From the closing cor., the 122 mile cor. as established by Deputies A. H. and F. M. Brown bears, S.40°45'E. 5.96 chs. to mile post No. 122.

Land mountainous.

Soil stony; 3rd. rate.

Timber aspen.

Mountainous land, heavily timbered, and covered with dense undergrowth. 11.08 chs.

From the cor. of secs. 27-28-33 and 34, I run

N. 0°02'W. bet. secs. 27 and 28

Descending over mountainous land, through heavy aspen timber, and dense chokecherry brush.

30.00 Head of ravine 300 ft. below sec. cor.; drying N.; ascend.

40.00 An aspen 15 ins. diam. for ¼ sec. cor., mkd. ¼ S 28 on W. side. 27 on E. side; from which

An aspen 24 ins. diam. bears E. 7 lks. dist. mkd. ¼ S 27 B T.

SUBDIVISION OF T. 3 S. R. 12 W. U. S. B. & M.

Chains.	
	an aspen 14 ins. diam., bears S. 81° W. 55 lks dist.
	mkd. ½ S 28 B T.
42.00	Spur projects E.; desc.
49.50	Ravine 150 ft. deep, course S. 75° E. leave aspen timber,
	bears with ravine.
60.00	Ridge, bears E. and W.; enter heavy aspen timber,,bears with
	ridge; desc.
80.00	Set an aspen post 3 ft. long 3 ins sq., for cor. of secs.
	21, 22, 27 and 28 mkd.
	T 3 S S 22 on NE.
	R 12 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; from which
	an aspen 9 ins. diam., bears N. 46° E. 29 lks dist.
	mkd. T 3 S R 12 W S 22 B T.
	an aspen 11 ins. diam., bears S. 49° E. 39 lks dist.
	mkd. T 3 S R 12 W S 27 B T.
	an aspen 7 ins. diam., bears S. 67° W. 35 lks. dist.
	mkd. T 3 S R 12 W S 28 B T.
	an aspen 10 ins. diam., bears N. 89° W. 29 lks dist.
	mkd. T 3 S R 12 W S 21 B T.
	Land mountainous.
	Soil stony, 3rd rate.
	Timber aspen.
	Mountainous land, heavily timbered and covered with
	dense undergrowth 80.00 chs.
	July 4, at this cor. I set off 22° 53 ' N. on decl arc.
	and at 0 h.4m.p.m.l.m.t. observe the sun on the mer.
	the resulting lat. is 40° 12½' N.

SUBDIVISION OF T. 3. S. R. 12 W. U. S. B. & M.

Chains.	
	E. on a random line bet. secs. 22 and 27.
40.00	Set temp ¼ sec cor.
79.90	Intersect N. and S. line 14 lks. N. of the cor. of secs. 22, 23, 26 and 27.
	Thence I run
	N. 89° 54' W. on true line bet. secs. 22 and 27.
	Ascending over mountainous land; through heavy aspen timber and dense chokecherry brush.
39.95	Set an aspen post 3 ft. long, 5 ins. sq., 24 ins. in ground for ¼ sec. cor. mkd ¼ S. 22 on N. face, 27 on S. face; from which
	an aspen 9 ins. diam., bears N. 4° W. 63 lks dist. mkd. ¼ S. 22 B T.
	an aspen 9 ins diam., bears S. 30° W. 24 lks. dist. mkd. ¼ S 27 B T
79.90	The cor. of secs. 21, 22, 27 and 28.
	Land mountainous.
	Soil gravelly, 2nd and 3rd rate.
	Timber aspen.
	Mountainous land, heavily timbered 79.90 chs.
	— ———
	N.0°02'W.bet. secs. 21 and 22.
	Along N. broken slope; through heavy aspen timber and dense chokecherry brush.
40.00	Set sandstone 15x12x6 ins. 10 ins., in ground for ¼ sec. cor mkd. ¼ on W. face; from which
	an aspen 18 ins. diam., bears N.75°E. 56 lks dist. mkd. ¼ S 22 B T.
	an aspen 9 ins. diam., bears S. 8° W. 39 lks dist. mkd. ¼ S 21 B T.

SUBDIVISION OF T. 3 S. R. 12 W. U. S. B. & M.

Chains.	Descending.
43.60	a ravine 200 ft. deep, course N. 50° E.; asc.
56.00	Spur projects N. 60° E.; desc.
78.00	Draw, course NE.; asc.
80.00	Set sandstone 20x8x4 ins., 15 ins in ground for cor of secs. 15, 16, 21 and 22. mkd with 3 notches on S, and E. edges; from which
	an aspen 10 ins. diam., bears N. 28° E. 88 lks. dist. mkd. T 3 S R 12 W S 15 B T.
	an aspen 12 ins diam., bears S. 31° E. 44 lks dist. mkd. T 3 S R 12 W S 22 B T.
	an aspen 8 ins. diam., bears S. 52° W. 168 lks dist. mkd. T 3 S R 12 W S 21 B T.
	an aspen 10 ins. diam., bears N. 23° W. 96 lks. dist. mkd. T 3 S R 12 W S 16 B T.
	Land mountainous and broken.
	Soil stony, 2nd and 3rd rate.
	Timber aspen.
	Mountainous and heavily timbered land covered with dense undergrowth 80.00 chs.
	S. 89° 54' E. on random line bet. secs. 15 and 22.
40.00	Set temp. ¼ sec. cor.
79.98	Intersect N. and S. line 11⅓ lks. S. of the cor. of secs. 14, 15, 22 and 23
	Thence I run
	N. 89° 59' W. on true line bet. secs. 15 and 22.
	Descending over mountainous land; through dense chokecherry brush.
0.75	Bottom of ravine 200 ft. deep, course S.; asc. along

SUBDIVISION OF T. 3 S., R. 12 W., U. S. B. & M.

Chains.	
	broken S. slope.
25.00	Point 150 ft. above sec. cor.; desc. along broken S. slope.
38.00	Enter heavy aspen timber, bears NE. and SW.
39.99	Set a sandstone 16x9x9 ins., 11 ins. in ground for ¼ sec. cor. mkd. ¼ on N. face; from which an aspen 10 ins. diam., bears N. 85° E. 55 lks. dist. mkd. ¼ S 15 B T an aspen 12 ins. diam., bears S. 5° E. 43 lks dist. mkd. ¼ S 22 B T.
44.20	Hollow 250 ft deep, course SE.; asc. along N. broken slope.
76.00	Desc. along N. broken slope.
78.00	Draw, course, NE.; asc.
79.98	The cor. of secs. 15, 16, 21 and 22.
	Land mountainous.
	Soil gravelly, 2nd and 3rd rate.
	Timber aspen.
	Mountainous and heavily timbered land covered with dense undergrowth 79.98 chs.
	July 4, 1904.

July 5, at 7h. a. m. l. m. t. I set off 22°49½' N. on decl arc. 40° 13⅓' N. on lat. arc and determine a mer. with the solar at the cor. of secs. 15, 16, 21, and 22.

Thence I run

N. 0°.02' W. bet. secs. 15 and 16.

Descending over mountainous land through heavy aspen timber and dense chokecherry brush.

2.70	Ravine 150 ft. deep, course E.; asc.
17.00	Ridge, bears E. and W.; desc.

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Chains.	
22.70	Enter heavy pinetimber, bear E. and W.
36.00	Leave pine timber.; enter aspen timber, bear E. and W..
40.00	Set an aspen post 3 ft. long, 4 ins.. sq., 24 ins. in ground for ¼ sec. cor. mkd. ¼ S 16 on W. face, and 16 on E. face; from which
	an aspen 10 ins. in diam., bears N. 63° E. 23 lks dist. mkd. ¼ S 15 B T.
	an aspen 6 ins. diam., bears N. 62½° W. 84 lks dist. mkd. ¼ S 16 B T.
60.00	Pine timber, bears E. and W.
65.05	Creek 12 lks. wide, in ravine 800 ft. deep, course NE.; leave pine, bear NE. and SW.; asc.
80.00	Set a quartzite stone 34x16x7 ins:18 ins.in the ground, for cor of secs. 9, 10, 15 and 16 mkd. with 4 notches on S. and 3 notches on E. edge; from wh ich
	an aspen 15 ins. diam,, bears N.33° E. 35 lks dist. mkd. T 3 S R 12 W S 10 B T.
	an aspen 10 ins. diam., bears S. 71° E. 16 lks dist. mkd. T 3 S R 12 W S 15 B T.
	an aspen 10 ins diam., beard S. 48° W. 15 lks dist. mkd. T 3 S R 12 W S 16 B T.
	an aspen 7 ins. diam., bears N. 49° W. 55 lks dist. mkd. T 3 S R 12 W S 9 B T.
	Land mountainous.
	Soil gravelly, 2nd and 3rd rate.
	Timber aspen.
	Mountainous land heavily timbered and covered with dense undergrowth 80.00 chs.

Chains.	
	S. 89° 59' E. on random line bet. secs. 10 and 15
40.00	Set temp. ¼ sec. cor.
79.88	Intersect N. and S. line 5 lks S. of the cor of secs. 10, 11, 14 and 15.
	Thence I. run
	S. 89° 59' W. on true line bet. secs. 10 and 15.
	Descending along broken N. slope through heavy aspen timber and dense chokecherry brush.
20.00	Enter scattering pines, bear NE. and SW.
26.00	Leave scattering pines, bear NE. and SW.
27.35	Creek 3 lks wide in ravine 400 ft. deep, course N. 35° E.; asc.
39.84	Set sandstone 15x10x7 ins., 10 ins. in ground for ¼ sec. cor. mkd. ¼ on N. face; from which
	an aspen 5 ins. diam., bears S. 40° E. 52 lks dist. mkd. ¼ S 15 B T.
	an aspen 4 ins. diam., bears N. 79° W. 112 lks dist. mkd. ¼ S 10 B T.
40.20	Spur projects N. 30° E.; desc.
60.45	Creek 2 lks wide in ravine 400 ft. deep, course N. 50° E.; asc.
79.88	The cor. of secs. 9, 10, 15 and 16.
	Land mountainous.
	Soil gravelly, 2nd and 3rd rate.
	Timber aspen and pine.
	Mountainous and heavily timbered land covered with dense undergrowth 79.88 chs.

	N. 0°02' W. bet. secs. 9 and 10.
	Ascending through heavy aspen timber and dense chokecherry brush.
5.60	Ridge, bears NE. and SW.; desc.

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Chains.	
21.00	Ravine 250 ft. deep, course N. 50° E.; asc.
33.00	Ridge, bears NE. and SW.; desc.
40.00	Set conglomerate stone 14x8x6 ins., 10 ins. in ground for ¼ sec. cor. mkd. ¼ on W. face; from which a pine 8 ins. diam., bears S. 89° E. 170 lks dist. mkd. ¼ S 10 B T. a pine 8 ins. diam., bears N. 47° W. 65 lks dist. mkd. ¼ S 9 B T.
	Descending through pine and aspen timber.
50.60	Ravine 300 ft. deep, course N. 70° E.; asc., leave timber.
80.00	Set a quartzite stone 20x14x4 ins., 15 ins. in ground for cor of secs. 3, 4, 9 and 10 mkd. with 5 notches on S. and 3 notches on E. edge; raise mound of stone 2 ft. base, 1½ ft. high W. of cor.
	Land mountainous.
	Soil gravelly, 2nd and 3rd rate.
	Timber aspen and pine.
	Mountainous and heavily timbered land covered with dense undergrowth 80.00 chs.
	July 5, at this cor. I set off 22° 47½' N. on decl. arc and at 0 h. 4m. p.m. l.m.t., observe the sun on the mer. the resulting lat. is 40° 15' N.
	N. 89° 59' E. on random line bet secs. 3 and 10.
40.00	Set temp. ¼ sec. cor.
79.94	Intersect N. and S. line 7 lks N. of the cor. of secs. 2, 3, 10 and 11.
	Thence I run
	N. 89° 58' W. on true line bet. secs. 3 and 10.

Chains.	
	Descending through dense chokecherry brush.
34.10	Bottom of hollow, drains SE.; asc.
39.97	Set a quartzite stone 16x16x10 ins. 11 ins. in ground for ¼ sec. cor. mkd. ¼ on N. face; from which an aspen 7 ins. diam., bears N. 42° E. 26 lks dist mkd. ½ S 3 B T. an aspen 4 ins. diam., bears S. 56° W. 49 lks. dist. mkd. ½ S 10 B T.
54.50	Spur projects SE.; leave timber, bears NW. and SE.; desc.
69.14	Ravine 200 ft. deep, course SE.; asc.
79.94	The cor. of secs. 3, 4, 9 and 10.
	Land mountainous.
	Soil stony, 2nd and 3rd rate.
	Timber aspen.
	Land mountainous and heavily timbered and covered with dense undergrowth 79.94 chs.

N. 0°02 W. on random line bet. secs. 3 and 4.

40.00	Set temp. ¼ sec. cor.
79.82	Intersect N. bdy. of Tp. at the cor. of secs. 3, 4, 33 and 34, previously described.
	Thence I run
	S. 0°02' E. on true line bet. secs. 3 and 4.
	Descending through heavy aspen timber and dense chokecherrry brush.
20.10	Ravine 400 ft. deep, course N. 60° E.; asc.
39.82	Set a sandstone 15x9x7 ins., 10 ins. in the ground for ¼ sec. cor. mkd. ½ on W. face; fr m which an aspen 4 ins. diam., bears S. 46° E. 17 lks. dist.

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CHAINS	
	mkd. ¼ S 3 B T.
	An aspen 6 ins. diam. bears S. 67°W. 37 lks. dist.
	mkd. ¼ S 4 B T.
48.00	Ridge bears N. 60°E. and S. 60°W.; descend, leave aspen bear E. and W.
76.32	Bottom of ravine 250 ft. deep, course SE., ascend.
79.82	The cor. of secs. 3-4-9 and 10,
	Land Mountainous
	Spil stony; 3rd. rate.
	Mountainous and heavily timbered land, covered with dense undergrowth. 79.82 chs.
	July 5, 1904.

Since the line bet. secs. 28 and 33 does not extend W.to the cor. of secs. 28-29-32 and 33, I begin at the cor.of secs. 21-22-27 and 28 where

July 6, 1904, at 7h. a.m. l.m.t. I set off 40°12½'N. on lat. arc; 22°43½'N. on decl. arc, and determine a meridian with the solar.

Thence I run,

W. on a true line, bet. secs. 21 and 28

Ascending over mountainous land, through heavy aspen timber.

28.50	Enter heavy pine timber, bears N. and S.
40.00	Set a pine post 3 ft. long, 3 ins. sq., 24 ins. in the ground, for ¼ sec. cor., mkd. ¼ S 21 on N., and S 28 on S. faces; from which
	A pine 11 ins. diam. bears N. 68°W. 39 lks. dist.
	mkd. ¼ S 21 B T.
	An aspen 12 ins. diam. bears S. 89°W. 50 lks. dist.
	mkd. ¼ S 28 B T.
80.00	Set a sandstone 16x10x4 ins. 11 ins. in the ground, for cor. of secs. 20-21-28 and 29, mkd. with 4 notches on E.,

CHAINS

and 2 notches on S. edges; from which

A pine 10 ins. diam. bears N. 20°E. 8 lks. dist.

mkd. T 3 S R 12 W S 21 B T.

A pine 4 ins. diam. bears S. 58°E. 15 lks. dist.

mkd. T 3 S R 12 W S 28 B T.

A pine 7 ins. diam. bears S. 26°W. 21 lks. dist.

mkd. T 3 S R 12 W S 29 B T.

A pine 4 ins. diam. bears N. 32°W. 13 lks. dist.

mkd. T 3 S R 12 W S 20 B T.

Land mountainous.

Soil gravelly; 2nd. and 3rd. rate.

Timber aspen and pine.

Mountainous and heavily timbered land. 80.00 chs.

S. 0°03'E. bet. secs. 28 and 29

Ascending through heavy pine timber.

1.05 Intersect West Boundary of Uintah Indian Reservation.

Set a sandstone 19x15x9 ins., 14 ins. in the ground, for closing cor. of secs. 28 and 29; mkd. CCUIR and 4 grooves on N. and P L on S. and 4 grooves on E. faces; from which

A pine 7 ins. diam. bears N.3°W., 11 lks. dist.

mkd. U I R T 3 S R 12 W S 29 B T.

A pine 20 ins. diam. bears N.7°E. 10 lks. dist.

mkd. U I R T 3 S R 12 W S 28 B T.

From the closing cor., the ½ mile cor. bet. 123 and 124 mile cor. as established by Deputies A. H. and F. M. Brown bears N. 50°30'W. 7.59 chs. to ½ mile post.

Land mountainous.

Soil stony; 3rd. rate.

Timber pine.

Mountainous and heavily timbered land. 1.05 chs.

SUBDIVISION OF T.3 S., R.12 W., U.S.B.& M.

CHAINS	
	From the cor. of secs. 20-21-28 and 29.
	Knowing that the U I R bdy is less than 1 mile dist.,
	I run,
	W. on a true line, bet. secs. 20 and 29
	Ascending through heavy pine and aspen timber.
1.27	Intersect West Boundary of Uintah Indian Reservation.
	Set a sandstone 12x10x8 ins.,8 ins. in the ground, for
	closing corner of secs. 20 and 29, mkd. C C. U I R on E.,
	P L on W. faces, with 2 grooves on S.and 4 grooves on E.
	faces;from which
	A pine 24 ins. diam. bears N. 64°E. 42 lks. dist.
	mkd. U I R T 3 S R 12 W S 20 B T.
	A pine 4 ins. diam. bears S. 56°E. 11 lks. dist.
	mkd. U I R T 3 S R 12 W S 29 B T.
	From the closing cor., the ½ mile cor. bet. 123 and 124
	mile cors. as established by Deputies A. H. and F. M.Brown
	beafs [illegible], N. 50°30'W. 5.93 chs. to ½ mile post.
	Land mountainous
	Soil stony; 3rd. rate.
	Timber pine and aspen.
	Mountainous and heavily timbered land. 1.27 chs.

	From the cor. of secs. 20-21-28 and 29, I run,
	N.0°03'W. bet. secs. 20 and 21
	Descending over mountainous land, through heavy pine tim-
	ber.
2.00	Head of ravine, course NE., leave pine timber, enter aspen
	timber, bear NE. and SW.
	Ascend.
16.50	Spur projects NE.
	Descend.
28.00	Enter heavy pine timber.
40.00	Set a sandstone 16x12x8 ins., 11 ins. in the ground, for

SUBDIVISION OF T. 3 S., R. 12 W., U.S.B.&M.

CHAINS	
	¼ sec. cor., mkd. ½ on W. face; from which
	An aspen 14 ins. diam. bears N. 28° E. 74 lks. dist.
	mkd. ¼ S 21 B T.
	An aspen 14 ins. diam. bears W. 160 lks. dist.
	mkd. ¼ S 20 B T.
65.00	Ravine 250 ft. deep, course N. 80° E., leave pine timber,
	bears E. and W.
	Ascend.
80.00	Set a sandstone 16x14x8 ins., 11 ins. in the ground, for
	cor. of secs. 16-17-20 and 21, mkd. with 3 notches on S.,
	and 4 notches on E. edge; from which
	An aspen 4 ins. diam. bears N. 58° E. 75 lks. dist.
	mkd. T 3 S R 12 W S 16 B T.
	An aspen 8 ins. diam. bears S. 22° E. 41 lks. dist.
	mkd. T. 3 S R 12 W S 21 B T.
	An aspen 14 ins. diam. bears S. 60° W. 67 lks. dist.
	mkd. T 3 S R 12 W S 20 B T.
	An aspen 16 ins. diam. bears N. 86° W. 45 lks. dist.
	mkd. T 3 S R 12 W S 17 B T.
	Land mountainous.
	Soil stony; 2nd. and 3rd. rate.
	Timber aspen and pine.
	Mountainous land, heavily timbered. 80.00 chs.
	July 6, 1904, at this cor. I set off 22° 41½' N. on decl.
	arc, and at 0 h. 4½ m. p.m. I observe the sun on the meri-
	dian; the resulting lat. is 40° 13½' N.

E. on a random line, bet. secs. 16 and 21

40.00	Set temp. ¼ sec. cor.
79.98	Intersect N. and S. line 12 lks. S. of the cor. of secs.
	15-16-21 and 22,
	Thence I run,

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CHAINS	
	S. 89°55'W. on a true line, bet. secs. 16 and 21
	Descending through heavy aspen timber, and dense choke-cherry brush.
10.00	Leave aspen timber, bear N. and S.
16.70	Ravine 125 ft. deep, course N. 60°E.
	Ascend.
30.00	Enter aspen timber, bear. NE. and S. 70°W.
39.99	Set an aspen post 3 ft. long, 4 ins. sq., 24 ins. in the ground, for $\frac{1}{4}$ sec. cor., mkd. $\frac{1}{4}$ S 16 on N., and 21 on S. faces; from which
	An aspen 10 ins. diam. bears N. 20°E. 28 lks. dist. mkd. $\frac{1}{4}$ S 16 B T.
	An aspen 10 ins. diam. bears S. 25°W. 35 lks. dist. mkd. $\frac{1}{4}$ S 21 B T.
79.98	The cor. of secs. 16-17-20 and 21
	Land mountainous.
	Soil gravelly; 2nd. and 3rd. rate.
	Timber aspen.
	Mountainous and heavily timbered land, covered with dense undergrowth. 79.98 chs.

Knowing that the U.I.R. bdy. to be less than 1 mile dist. from this cor.,

I run,

W. on a true line, bet. secs. 17 and 20

Ascending over mountainous land, through heavy aspen and scattering pine timber.

40.00	Set a conglomerate stone 15x12x4 ins., 10 ins. in the ground, for $\frac{1}{4}$ sec. cor., mkd. $\frac{1}{4}$ on N. face; from which
	An aspen 18 ins. diam. bears N. 28W. 57 lks. dist. mkd. $\frac{1}{4}$ S 17 B T.

CHAINS	
	An aspen 20 ins. diam., bears S. 7°E. 40 lks. dist. mkd. ½ S 20 B T.
46.40	Intersect West Boundary of Uintah Indian Reservation. Set a sandstone 18x11x6 ins., 12 ins. in the ground, for closing corner of secs. 17 and 20, mkd. C C U I R on E., P L on W., with 3 grooves on S. and 5 grooves on E. face; from which
	An aspen 16 ins. diam., bears S. 89°E. 256 lks. dist. mkd. U I R T 3 S R 12 W S 20 B T.
	An aspen 8 ins. diam. bears N. 88°E. 317 lks. dist. mkd. U I R T 3 S R 12 W S 17 B T.
	From the closing cor., the 125 mile cor. as established by Deputies A. H. and F.M. Brown bears S., W. 32°45'W. 21.51 chs. to mile stone No 125.
	Land mountainous.
	Soil loam; 1st. and 2nd. rate.
	Timber aspen and pine.
	Mountainous land, heavily timbered. 46.40 chs.

N. 0°03'W. bet. secs. 16 and 17

Descending over mountainous land, along broken E. slope, through heavy aspen, scattering pine, and dead and fallen timber.

37.50	Head of ravine 200 ft. below sec. cor., course NE. Ascend.
40.00	On spur projecting E., set a sandstone 15x10x4 ins., 10 ins. in the ground, for ¼ sec. cor., mkd. ¼ on W. face; from which
	An aspen 12 ins. diam. bears S. 81°E. 24 lks. dist. mkd. ¼ S 16 B T.
	An aspen 12 ins. diam. bears N. 80°W. 15 lks. dist.

Chains.	
	mkd. ¼ S 17 B T.
	Descend.
62.00	Ravine 600 ft. deep, course E.; asc.
80.00	On top of ridge.
	Set sandstone 24x14x9 ins., 18 ins. in ground for cor. of secs. 8, 9, 16 and 17, mkd. with 4 grooves on S. and E. edges; raise a mound of stone 2 ft. base, 1½ ft. high W. of cor.
	Land mountainous.
	Soil loam; 1st. and 2nd. rate.
	Timber aspen.
	Mountainous and heavily timbered land. 80.00 chs.

July 6, 1904.

July 7, 1904, at 7 hrs. a. m. l. m. t. I set off 40° 14' N. on lat arc 22° 37½' N. on decl. arc. and determine a mer. with the solar, at the cor. of secs. 8, 9, 16, and 17.

Thence I run

N. 89° 55' E. on random line bet. secs. 9 and 16.

40.00	Set temp. ¼ sec. cor.
80.08	Intersect N. and S. line 7 lks N. from the cor of secs. 9, 10, 15 and 16.

Thence I run

S. 89° 58' W. on true line bet. secs. 9 and 16.

Ascending through heavy aspen timber and dense chokecherry brush along top of ridge.

40.04	Set a limestone 12x10x3 ins., 8 ins. in ground for ¼ sec. cor mkd. ¼ on N. face; from which
	an aspen 7 ins. diam., bears N. 12° E. 43 lks dist. mkd. ¼ S 9 B T.
	an aspen 7 ins. diam. bears S. 6° W. 53 lks dist. mkd. ¼ S 16 B T.
80.08	Set The cor. of secs. 8, 9, 16 and 17.

Chains. Land mountainous.

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

Timber aspen.

Mountainous and heavily timbered land covered with dense undergrowth 80.08 chs.

N.0°03' W. bet. secs. 8 and 9.

Descending over mountainous land through heavy aspen timber

5.00 Enter pines, bear E. and W.

24.30 Ravine 500 ft. deep, course NE. leave pine, bear NE. and SW.; asc.

40.00 Set a sandstone 13x8x6 ins., 9 ins. in ground for ¼ sec cor. mkd. ¼ on W. face; from which

an aspen 20 ins. diam., bears S. 75° E. 15 lks dist. mkd. ¼ S 9 B T

an aspen 6 ins. diam., bears S. 46° W. 24 lks dist. mkd. ¼ S 8 B T.

50.00 Spur projects N. 55° E.; desc.

56.00 Ravine 300 ft. deep, course N 60° E.; asc.

80.00 Set a cobble stone 18x12x8 ins., 12 ins. in ground for cor of secs. 4, 5, 8 and 9 mkd with 5 notches on S. and 4 notches on E. edge. from which

an aspen 12 ins. diam., bears N. 66° E. 103 lks. dist. mkd. T 3 S R 12 W S 4 B T.

an aspen 16 ins. diam., bears S. 47° E. 58 lks. dist. mkd. T 3 S R 12 W S 9B T.

an aspen 18 ins. diam., bears S. 29° W. 71 lks dist. mkd. T 3 S R 12 W S 8 B T.

an aspen 12 ins diam, bears N. 47° W. 106 lks dist. mkd. T 3 S R 12 W S 5 B T.

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Chains	
	Land mountainous.
	Soil stony, 2nd and 3rd rate.
	Timber pine and aspen.
	Mountainous land heavily timbered and covered with dense undergrowth 80.00 chs.
	N. 89° 58' E. on random line bet. secs. 4 and 9.
40.00	Set temp. ¼ sec. cor.
79.92	Intersect N. and S. line 5 lks S. of the cor. of secs. 3. 4. 9 and 10
	Thence I run
	S. 89° 56' W. on true line bet secs. 4 and 9.
	Descending through dead and fallen timber.
11.00	Ravine 250 ft. deep, course SE.; asc.
39.96	Set a sandstone 15x9x6 ins., 10 ins. in ground for ¼ sec. cor mkd. ¼ on N. face from which
	an aspen 10 ins diam., bears N. 16° W. 29 lks dist. mkd. ¼ S 4 B T.
	an aspen 8 ins. diam. bears S. 14° E. 28 lks dist. mkd. ¼ S 9 B T.
	Ascending along broken S. slope; through heavy aspen timber and dense chokecherry brush.
79.92	The cor. of secs. 4, 5, 8, and 9.
	Land mountainous.
	Soil gravelly, 2nd and 3rd rate.
	Timber aspen.
	Mountainous land heavily timbered and covered with dense undergrowth 79.92 chs.
	July 7, at this cor. I set off 22° 35' N. on decl. arc and at 0h. 4½m. p.m. l.m.t.b. observe the sun on the mer. t

Chains.	
	the resulting lat. is 40° 15' N.
	N.0°03'W. on random line bet. secs. 4 and 5.
40.00	Set temp ¼ sec. cor.
79.90	Intersect N. bdy. Tp 21 lks E. of the cor. of secs. 4, 5, 32 and 33, previously described.
	Thence I run
	S.0°. 12' E. on true line bet. secs. 4 and 5.
	Descending over mountainous land through heavy aspen timber and dense chokecherry brush.
3.00	Ravine 400 ft. deep, course E. enter pine, bear E. and W.; asc.
30.00	Spur projects E. leave pines, bear E. and W.; desc.
39.90	Set a cobble stone 13x8x7 ins., 9 ins. in ground for ¼ sec. cor. mkd. ¼ on W. face from which
	an aspen 12 ins diam. bears. N. 67½° W. 39 lks dist. mkd. ¼ S 5 B T.
	an aspen 11 ins diam., bears S. 49° E. 57 lks dist. mkd ¼ S 4 B T.
58.50	Ravine 400 ft. deep, course N. 50° E., asc.
66.00	Enter pine, bear E. and W.
79.90	The cor. of secs. 4, 5, 8 and 9.
	Land mountainous.
	Soil stony, 2nd and 3rd rate.
	Timber aspen and pine.
	Mountainous and heavily timbered land covered with dense undergrowth. 79.90 ch s.
	From the cor. of secs. 8, 9, 16 and 17 knowing that the U. I. R. Bdy. is within 1 mile of this cor, I run
	W. on true line bet. secs. 8 and 17.

SUBDIVISION OF T.3 S., R.12 W., U.S.B.& M.

CHAINS	
	Descending along broken S. slope, through heavy aspen timber, and dense chokecherry brush.
23.00	Leave undergrowth, bear N. and S.
24.50	Ravine 500 ft. deep, course SE., ascend.
40.00	Set a cobblestone 13x10x6 ins., 12 ins. in the ground, for $\frac{1}{4}$ sec. cor., mkd. $\frac{1}{4}$ on N. face; from which An aspen 22 ins. diam. bears N. 42½°E. 70 lks. dist. mkd. $\frac{1}{4}$ S 8 B T. An aspen 12 ins. diam. bears S. 9°E.129 lks. dist. mkd. $\frac{1}{4}$ S 17 B T.
73.00	Top of ridge bears N. 10°E. and S. 15°W.,
74.69	Intersect West Boundary of Uintah Indian Reservation. Set a quartzite stone 18x18x6 ins., 12 ins. in the ground, for closing cor. of secs. 8 and 17; mkd. CCUIR with 5 grooves on E., P L on W., with 4 grooves on S. faces; from which An aspen 12 ins. diam. bears N. 65½°E. 82 lks. dist. mkd. U I R T 3 S R 12 W S 8 B T. An aspen 14 ins. diam. bears S. 22½°E. 49 lks. dist. mkd. U I R T 3 S R 12 W S 17 B T. From the closing corner, the 126 mile cor. as established by Deputies A. H. and F. M. Brown bears , N. 0°15'W. 12.81 chs. to mile post No. 126. Land mountainous. Soil loamy 2nd. and 3rd. rate. Timber aspen.. Mountainous and heavily timbered land, covered with dense undergrowth. 74.69 chs.

From the cor. of secs. 4-5-8 and 9
Knowing the U.I.R. bdy. to be within 1 mile of this cor.
I run,

W. on a true line, bet. secs. 5 and 8

SUBDIVISION OF T.3 S., R.12 W., U.S.B.& M.

CHAINS	
	Ascending over mountainous land, through heavy aspen timber.
7.00	Enter pine timber, bear N. and S.
30.00	Leave pine timber, bear N. and S.
33.70	Intersect West Boundary of Uintah Indian Reservation. Set a quartzite stone 18x11x5 ins., 12 ins. in the ground, for closing cor. of secs. 5 and 8; mkd. CCUIR and 4 grooves on E. P L on W., with 5 grooves on S. faces; from which An aspen 10 ins. diam. bears N. 4½°E. 32 lks. dist. mkd. U I R T 3 S R 12 W S 5 B T. An aspen 7 ins. diam. bears S. 55½°E. 52 lks. dist. mkd. U I R T 3 S R 12 W S 8 B T. From the closing corner, the 127 Mile cor. as established by Deputies A. H. and F.M. Brown bears: S.55°45.E. 0.48 chs. to angle cor. thence S. 36°15'W. 16.60 chs. to mile stone No. 127. Land mountainous. Soil stony; 2nd. and 3rd. rate. Timber pine and aspen. Mountainous land, heavily timbered, and covered with dense undergrowth. 33.70 chs.

From the cor. of secs. 5-6-31 and 32, on N. bdy. of Tp. previously described, I run

S. 0°04'E. on a true line, bet. secs. 5 and 6

Along broken E. slope, through heavy aspen timber.

30.84	Intersect West Boundary of Uintah Indian Reservation. Set a sandstone 18x12x6 ins., 12 ins. in the ground, for closing cor. of secs. 5 and 6; mkd. CCUIR with 6 grooves on N. P L on S., with 5 grooves on E. faces; from which An aspen 7 ins. diam. bears N. 52°E. 189 lks. dist. mkd. U I R T 3 S R 12 W S 5 B T.

CHAINS

An aspen 8 ins. diam. bears N. 5°W. 206 lks. dist.
Mkd. U I R T 3 S R 12 W S 6 B T.
From the closing corner, the 128 mile cor. as established by Deputies A. H. and F. M. Brown bears, S. 54°30'E. 13.73 chs. to mile stone No. 128.
Land mountainous.
Soil loam; 2nd. and 3rd. rate.
Timber aspen.
Mountainous and heavily timbered land. 20.84 chs.

July 7, 1904.

General Description.

This township is mostly mountainous, stony land. Along the Strawberry River and Bryant Fork there is considerable rolling bottom land, and the soil is a rich loam, and there would be valuable agricultural lands were it not for the high altitude.

On account of the altitude however, only very hardy crops could be raised. The land is valuable for hay raising, and ranching purposes only.

The mountainous portion of the township produces abundant nutritious grasses, and are the best of grazing land.

At present both the mountainous and bottom land are very much over stocked; large herds of sheep and cattle for which grazing permits have been issued, are being kept on the western portion of the reservation.

The slopes of the mountains are mostly covered with a heavy growth of timber, very little of which is of any value for any purpose.

Chokecherry, deer and squaw brush grow very dense on the higher land, and in the valleys there is generally a heavy growth of sage brush.

There is an abundance of water in the township, and all of the bottom land could be irrigated with little difficulty.

There are no settlers in the township, and no minerals are found.

James M Lentz

U.S.Deputy Surveyor.

Volume
#
R0315

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by _____

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

_____

showing the respective capacities in which they acted:

_____, *Chainman.*

For final affidavits see book "P" T.1 S.R.12 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 _____

For final affidavits see book "P" T.1 S.R.12 W. _____, *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, [illegible] United States Deputy Surveyor, solemnly swear that, in pursuance of a contract received from [illegible] United States Surveyor General for [illegible], bearing date of [illegible] day of [illegible] 18[illegible], I have well, faithfully, and truly, in my proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for [illegible], the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of [illegible]

[illegible]

[illegible] of the [illegible] of [illegible], 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 matters of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for [illegible] and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey, and should any found be detected, I will suffer the penalty of perjury under the provisions of an Act of Congress approved August 6, 1846.

United States Deputy Surveyor

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

[illegible]

APPROVAL.

[illegible] OF THE UNITED STATES SURVEYOR GENERAL.

Salt Lake City, Utah, [illegible] 31, [illegible]

The foregoing field notes of the survey of [illegible] Subdivisional lines of Township [illegible] North, Range [illegible] East of the Utah Meridian [illegible] and [illegible], [illegible].

[illegible] by [illegible]
[illegible] contract No. [illegible] dated [illegible] 18[illegible], having been personally examined, and the necessary corrections and explanations made, the said field notes and the survey thereby described are hereby approved.

[illegible]
United States Surveyor General

I certify that the foregoing transcript of the field notes of the above-described survey is [illegible] 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-315

H.

FIELD NOTES

FILED
OCT 31 1904

OF THE SURVEY OF THE

West and North
Boundaries of
Township No. 7 South
Range No. 11 West

Of the Uintah Special Base and Meridian,
In the State of Utah

AS SURVEYED BY

James M. Lentz, United States Deputy Surveyor,

Under his Contract No. 280, dated July 22nd, 1903

Survey commenced July 7, 1904

Survey completed July 9, 1904

6—161

W. 12dy - 5-79-80'

N. 12dy 5-75-54'

BOOK A-315

NAMES AND DUTIES OF ASSISTANTS.

William Longmecker Chainman

Samuel M. Ballard "

Dexter A. McBride Moundman

John N. Carroll Aiman

Lawrence Swan "

David J. Marchant Flagman

For preliminary affidavits see book "B" T.4 S.R.12 W.

6-111

BOOK A-315

INDEX DIAGRAM.

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

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

Meanders Page.....

PRELIMINARY OATHS OF ASSISTANTS.

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

_____

_____, *Chainman.*

_____, *Chainman.*

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

_____

_____

Survey commenced July 7, 1904 and executed with the instrument as described in book "A" of this survey.

I examine the adjustments of the transit and find them correct. Then to test the solar aparatus by comparing its indications resulting from solar observations, made during p. m. and a. m. hours with a mer. determined by observation on Polaris, I proceed as follows:

At the cor. of Tps. 2 and 3 S., Rgs. 11 and 12 W. in lat. 40° 15' 54" N, long. 111° 12' [illegible] 46" W. as previously described, I set off 40° 16' N. on lat. arc. 22° 35' N. on decl. arc. and at 5 h. p. m. l. m. t. determine a mer. with the solar and mark a point thereof on a stone firmly set in the ground 5 chs. N. of my station.

July 7, 1904.

July 8. 1904, at 10 h. 25m. a. m. l. m. t. I observe Polaris at eastern elongation in accordance with the Manual of Instructions and mark a point in the line thus determined on peg driven in the ground 5. chs. N. of my station.

At 6h. a. m. l. m. t., I lay off the azimuth of Polaris 1° 34½' to the W. The mer. thus determined falls on a pole held on the point cut in the stone set July 7, to mark the mer. determined by p. m. solar observation.

At 7 h. a. m. l. m. t., I set off 40° 16' N. on lat. arc 22° 31' N. on decl. arc and determine a mer. with the solar. The mer. thus determined falls on a pole held on the mark determined by p. m. solar observation and tested by Polaris observation.

The solar apparatus by p. m. and a. m. observations

Chains.	
	defines the same position for the mer. as that obtained by Polaris observation; therefore I conclude that the adjustments of the instrument are correct.
	Magnetic bearing of the true mer. at 8 a. m. is N. 16° 45' W.; the angle thus determined gives the magnetic decl. 16° 45' E.
	From the cor. above mentioned, I run
	N. on true line bet. secs. 31 and 36.
	Ascending over mountainous land through dense sage brush along broken E. slope.
12.65	Enter scattering aspen timber and dense deer and choke-cherry brush, bear NE. and SW.
31.00	Spur ridge, bears N. 20° E. and SW.; desc., leave aspen timber, bears E. and W.
40.00	Set cobble stone 12x8x8 ins.; 8 ins. in ground for ¼ sec. cor. mkd. ½ on W. face; raise mound of stone 2 ft. base, 1½ ft. high, W. of the cor.
46.75	Bottom of a Draw 100 ft. deep, course S. 75° W.; asc.
60.00	Point of hill projects SE.; enter scattering aspen, bear E. and W.; desc.
67.75	Draw, course S. 15° E.; asc.
75.00	Saddle 1.00 ch. W. of line, bears NW. and SE.: ridge, bears E. and W.; desc. along W. slope of ridge through dense scrub aspen.
80.00	Set cobble stone 16x7x5 ins., 11 ins. in ground for cor. of secs. 25, 30, 31 and 36. mkd. with 1 notch on S. and 5 notches on N. edge; dig pits 18x18x12 ins. in each sec. 5½ ft. dist.; raise a mound of earth 4 ft. base, 2 ft high W. of cor.

WEST BOUNDARY OF T. 2 S. R. 11 W. U. S. B. & M.

Chains.	
	Land mountainous.
	Soil loam and stony, 2nd and 3rd rate.
	Timber aspen.
	Mountainous and heavily timbered land 80.00 chs.
	N. bet. secs. 25 and 30.
	Deseending through dense deer and chokecherry brush, along W. slope of ridge.
10.00	Draw, course W.; ascend along W. slope.
20.00	Enter scattering aspen, bear E. andW.
22.00	Leave aspen, bear E. and W.
25.00	Top of ridge bears N. 10° W., S. 10° E.; desc.
29.00	Enter dense aspen.
40.00	Set sandstone 14x12x8 ins., 10 ins. in ground for ¼ sec. cor. mkd. ¼ on W. face; from which an aspen 4 ins diam., bears S. 30° 15' E. 61 lks. dist. mkd. ¼ S 25 B T. an aspen 10 ins. diam., bears S. 88° W. 36 lks dist. mkd. ¼ S 30 B T.
	Leave aspen and chokecherry brush, Enter dense artemesia bear E. and W.
48.00	Hollow, course E.; asc.
80.00	Set sandstone 14x12x8 ins , 10 ins. in ground for cor. of secs. 19, 24,,25 and 30 mkd. with 2 notches on S and 4 notches on N. edge; raise mound of stone 2 ft. base, 1½ ft. high W. of cor.
	Land mountainous.
	Soil gravelly, 3rd rate.
	Timber aspen.

WEST BOUNDARY OF T. 2 S. R. 11 W. U. S. B. & M.

Chains.	
	Mountainous land heavily timbered and covered with dense undergrowth 80.00 chs.
	N. bet. secs. 19 and 24.
	Descending over rolling land through scattering aspen timber and chokecherry brush.
15.00	Draw, course S. 55° E.; asc.
30.00	Enter heavy aspen.
40.00	Set sandstone 15x10x8 ins., 10 ins. in ground for ¼ sec. cor. mkd. ¼ on W. face; from which An aspen 4 ins. diam., bears S. 1° E. 13 lks dist. mkd. ¼ S 19 B T. An aspen 7 ins. diam., bears N. 15° W. 34 lks. dist. mkd. ¼ S 24 B T.
50.00	Steep ascent over broken country.
76.50	Spur projects SE.; desc.
80.00	Set a sandstone 12x10x8 ins., 8 ins. in ground for cor. of secs. 13, 18, 19 and 24. mkd. with 3 notches on N. and S. edges; from which An aspen 4 ins diam., bears N. 70° E 35 lks. dist. mkd. T 2 S R 11 W S 18 B T. An aspen 5 ins diam., bears S. 21½° E. 19 lks. dist. mkd. T 2 S R 11 W S 19 B T. An aspen 14 ins diam., bears S. 48½° W. 39 lks dist. mkd. T 2 S R 12 W S 24 B T. An aspen 10 ins. diam., bears N. 30° W. 25 lks dist. mkd. T 2 S R 12 W S 13 B T.
	Land rolling and mountainous.
	Soil stony, 4th rate.
	Timber aspen.

WEST BOUNDARY OF T. 2 S. R 11 W. U. S. B. & M.

Chains.	
	Mountainous land heavily timbered and covered with dense undergrowth 80.00 chs.
	N. bet. secs. 13 and 18.
	Ascending over mountainous land through heavy aspen timber.
37.00	Spur projects E.; desc. through scrub aspen and dense willows.
40.00	Set a sandstone 12x11x7 ins., 8 ins. in ground for ¼ sec. cor. mkd. ¼ on W. face; raise mound of stone 2 ft. base, 1½ ft. high. W. of cor.
48.00	Ravine 400 ft. deep; course N. 75° E.; asc.
55.00	Spur projects E.; desc.
61.00	Draw, course S. 70° E. asc.
72.00	Ridge, bears NE. and SW.; desc. through heavy aspen timber.
80.00	Set an aspen post 3 ft. long 4 ins. diam., 24 ins. in ground for cor. of secs. 7, 12, 13 and 18 mkd. T 2 S S 7 on NE., R 11 W S 18 on SE. S 13 on SW. and S 12 on NW. face, from which an aspen 4 ins. diam., bears N. 40° E. 110 lks. dist. mkd. T 2 S R 11 W S 7 B T. an aspen 8 ins. diam., bears S. 30° E. 43 lks. dist. mkd. T 2 S R 11 W S 18 B T. an aspen 10 ins diam., bears S. 83° W. 83 lks dist. mkd. T 2 S R 12 W S 13 B T. an aspen 12 ins diam., bears N. 65° W. 92 lks dist. mkd. T 2 S R12 W S 12 B T.
	Land mountainous.
	Soil stony, 2nd and 3rd rate.

WEST BOUNDARY OF T. 2 S. R. 11 W. U. S. B. & M.

Chains.	
	Timber aspen.
	Mountainous and heav ily timbered land covered with dense undergrowth 80.00 chs.
	July 8, at this cor. I set off 22° 28½' N. on decl. arc and at 0 h.5m.p.m. l. m. t. observe the sun on the mer. the resulting lat. is 40° 19' N.
	N. bet. secs. 7 and 12.
	Descending over mountainous land through heavy aspen timber.
23.00	Hollow 300 ft. deep, course W. asc.
31.00	Saddle, bears N. and S., spur ridge bears E. and W. desc. along W. broken slope.
40.00	Set sandstone 13x8x6 ins., 9 ins in ground for ¼ sec. cor. mkd. ¼ on W. face; from which,
	an aspen 4 ins. diam., bears S. 7° E. 13 lks. dist. mkd. ¼ S 7 B T.
	an aspen 6 ins. diam., bears N. 45° W. 120 lks dist. mkd. ¼ S 12 B T.
49.00	Draw, course W. leave aspen, bears E. and W.; enter dense deer brush, ascend along W. broken slope.
80.00	Set a limestone 13x12x6 ins. 9 ins in ground for cor. of secs. 1, 6, 7 and 12 mkd. with 5 notches on S. and 1 notch on N. edge; raise mound of stone 2ft. base, 1½ ft. high, W. of cor.
	Land mountainous.
	Soil stony, 2nd and 3rd rate.
	Timber aspen.
	Mountainous and heavily timbered land covered with dense undergrowth 80.00 chs.

WEST BOUNDARY OF T. 2 S., R. 11 W.,U.S.B.& M.

CHAINS	
	N. bet. secs. 1 and 6.
	Ascending along ridge, through dense deer and sage brush.
2.50	Spur ridge bears S.20°E. and N.20°W.
	Desc. along broken E. slope.
10.00	Enter aspen timber, bears E. and W.
40.00	Set a quartzite stone 14x11x8ins. 10 ins. in the ground for $\frac{1}{4}$ sec. cor. mkd. $\frac{1}{4}$ on W. face; from which
	An aspen 4 ins. diam. bears S.40°E.,
	90 lks. dist. mkd. $\frac{1}{4}$ S 6 B T
	An aspen 5 ins. diam. bears S.80°W.
	185 lks. dist. mkd. $\frac{1}{4}$ S 1 B T
79.80	This being the length of the E. bdy.
	Set a sandstone 15x10x6 ins. 10 ins. in the ground for cor. of Tps. 1 and 2 S., Rgs. 11 and 12 W. mkd. with 6 grooves on each edge; from which
	An aspen 6 ins. diam. bears N. 44°E.
	25 lks. dist. mkd. T 1 S R 11 W S 31 B T
	An aspen 5 ins. diam. bears S.36°E.,
	23 lks. dist. mkd. T 2 S R 11 W S 6 B T
	An aspen 10 ins. diam. bears S. 56°W.,
	45 lks. dist. mkd. T 2 S R 11 W S 1 B T
	An aspen 10 ins. diam. bears N.68° W.,
	50 lks. dist. mkd. T 1 S R 11 W S 36 B T
	Land mountainous.
	Soil loam and stony; 2nd and 3rd rate.
	Timber aspen.
	Mountainous and heavily timbered land. 79.80 chs.
	July 8, 1904.

NORTH BOUNDARY OF T. 2 S., R.11 W., U.S.B.& M.

CHAINS

July 9, at the cor. of Tps. 1 and 2 S., Rgs.10 and 11 W. which is a sandstone 4x10x7 ins. above ground, firmly set mkd. and witnessed as described by Hubert D. Page and Byron S. Kershaw, Dep.Surs., under contract No. 279.

I set off 40°21'N. on lat.arc; 22°24'N.on decl.arc; and at 7h.a.m.l.m.t. determine a mer. with the solar.

Thence I run,

W.on a random line along N.bdy. of Tp.2 S., R.11 W. setting temp. ¼ sec. cors. at intervals of 40.00 chs. and at 478.54 chs. intersect N. and S. line 83 lks. S. of the cor. of Tps. 1 and 2 S., Rgs. 11 and 12 W., previously described.

The falling answers to a correction of 0°06', or 14 lks. N. per mile counting from NE. cor. of Tp.

Therefore I run

S.89°54'E.on a true line bet. secs. 6 and 31.

Descending over mountainous land; through heavy aspen timber.

20.00 Saddle bears N. and S. and spur ridge bears E. and W. Asc. along ridge.

38.54 Set a limestone 12x8x8 ins. 8 ins. in the ground for ¼ sec. cor. mkd. ¼ on N. face; from which

An aspen 6 ins. diam. bears N.37°E.
24 lks. dist. mkd. ¼ S 31 B T
An aspen 4 ins. diam. bears S.60°W.,
27 lks. dist. mkd. ¼ S 6 B T

Ascend through heavy aspen timber.

78.54 Set a limestone 18x13x5 ins. 12 ins. in the ground for cor. of secs. 5, 6, 31 and 32, mkd. with 1 notch on W. and 5 notches on E. edge; from which

An aspen 6 ins. diam. bears N.89°E.
91 lks. dist. mkd. T 1 S R.11 W S 32 B T

chains.	
	an aspen 12 ins. diam. bears S. 24° E. 118 lks dist.
	mkd. T 2 S R 11 W S 5 B T.
	an aspen 18 ins. diam. bears S. 2° W. 116 lks dist.
	mkd. T 2 S R 11 W S 6 B T.
	an aspen 12 ins. diam., bears N. 72° W. 83 lks dist.
	mkd. T 1 S R 11 W S 31 B T.
	Land mountainous.
	Soil loam and stony, 2nd and 3rd rate.
	Timber aspen.
	Mountainous and heavily timbered land 78.54 chs.
	S. 89°. 54' E. bet. secs. 5 and 32.
	Ascending over mountainous land through heavy aspen timber and dense deer and brier brush.
13.00	Spur projects SW.; desc.
17.45	Spring branch, 2 lks wide, course SW.; asc..
40.00	Set a limestone 12x8x8 ins..8 ins. in ground for ¼ sec.. cor. mkd ¼ on N. face; from which
	an aspen 4 ins. diam.,.bears N. 54° E. 24 lks dist.
	mkd. ¼ S. 32 B T.
	an aspen 4 ins. diam., bears S. 84° E. 42 lks dist.
	mkd. ¼ S 5 B T.
52.00	Ridge, bears N. and S.; desc.
80.00	Set a limestone 16x12x8 ins., 11 ins in ground for cor. of secs. 4, 5, 32 and 33 mkd. with 2 notches on W. and 4 notches on E. edge; from which
	an aspen 10 ins. diam., bears. N. 15° E. 56 lks dist.
	mkd. T 1 S R 11 W S 33 B T.
	an aspen 18 ins. diam., bears S. 20° E. 26 lks dist.
	mkd. T 2 S R 11 W S 4 B T.

NORTH BOUNDARY OF T. 2 S. R. 11 W. U. S. M. & M.

Chains.	
	an aspen 6 ins. diam., bears S. 21° W. 32 lks dist. mkd. T 2 S R 11 W S 5 B T.
	an aspen 10 ins. diam., bears N. 41° W. 39 lks dist. mkd. T 1 S R 11 W S 32 B T.
	Land mountainous.
	Soil stony, 2nd and 3rd rate.
	Timber aspen.
	Mountainous and heavily timbered land covered with dense undergrowth 80.00 chs.
	July 9, at this cor. I set off 22° 21½' N. on decl arc and at 0h. 5m.p.m.l.m. t. observe the sun on the mer. the resulting lat. is 40° 21' N.
	S. 89° 54' E. bet. secs. 4 and 33.
	Descending over mountainous land through heavy aspen timber.
14.00	Enter ravine, course E.; desc. along ravine.
23.65	Leave ravine, course NE.; enter pines, bear W. and NE.; asc.
32.00	Ridge, bears NE. and SW. leave pines; bear NE. and SW., desc.
40.00	Set an aspen post 3 ft. long, 4 ins. sq., 24 ins. in ground for ¼ sec. cor. mkd. ¼ S. 33 on N. face, 4 on S. face from which
	an aspen 6 ins. diam., bears S. 1° E. 12 lks. dist. mkd. ¼ S 4 B T.
	an aspen 3 ins. diam., bears N. 49° W. 16 lks dist. mkd. ¼ S 33 B T.
59.80	Creek 5 lks wide in ravine 350 ft. deep, course NE.; asc. enter heavy pine, aspen and fallen timber, bears NE. and SW.
80.00	Set a limestone 15x6x5 ins., 10 ins. in ground for cor. of secs. 3, 4, 33 and 34 mkd. With 3 notches on E. and W.

NORTH BOUNDARY OF T. 2 S., R. 11 W., U. S. M. & M.

Chains.	
	edges from which.
	an aspen 4 ins. diam., bears N. 75° E. 70 lks dist.
	mkd. T 1 S R 11 W S 34 B T.
	an aspen 8 ins. diam., bears S. 52° E. 90 lks. dist.
	mkd. T 2 S R 11 W S 3 B T
	an aspen 4 ins. diam., bears S. 26° W. 111 lks. dist.
	mkd. T 2 S R 11 W S 4 B T.
	an aspen 6 ins. diam., bears N. 7° W. 45 lks dist.
	mkd. T 1 S R 11 W S 33 B T.
	Land mountainous.
	Soil stony 2nd and 3rd rate.
	Timber aspen.
	Mountainous and heavily timbered land 80.00 chs.

	S. 89°.54' E. bet. secs. 3 and 34.
	Ascending over mountainous pond, through heavy aspen timber.
13.00	Ridge, bears NE. and SW.; desc.
40.00	Set a limestone 14x10x8 ins., 10 ins in ground for ¼ sec. cor. mkd. ☆ on N. face from which
	an aspen 4 ins. diam., bears N. 29° W. 12 lks dist.
	mkd. ¼ S 34 B T.
	an aspen 4 ins. diam., bears S. 70° W. 9 lks dist.
	mkd. ¼ S 3 B T.
45.53	Creek 6 lks wide, in hollow, course NE.; asc.
70.50	Spur projects NE.; enter fallen timber, bears NE. and SW.; desc.
80.00	Set quartzite stone 12x10x9 ins., 8 ins in ground for cor. of secs. 2, 3, 34 and 35 mkd. with 2 notches on E. and 4 notches on W. edge from which
	an aspen 6 ins diam. bears N. 23½° E. 89 lks dist.
	mkd. T 1 S R 11 W S 35 B T.

NORTH BOUNDARY OF T. 2 S. R. 11 W. U. S. B. & M.

Chains.	
	an aspen 7 ins. diam., bears S. 20° E. 77 lks dist.
	mkd. T 2 S R 11 W S 2 B T.
	an aspen 6 ins. diam., bears S. 71° W. 73 lks dist.
	mkd. T 2 S R 11 W S 3 B T.
	an aspen 6 ins diam., bears N. 61° W. 93 lks dist.
	mkd. T 1 S R 11 W S 34 B T.
	Land mountainous.
	Soil stony, 2nd and 3rd rate.
	Timber aspen.
	Mountainous and heavily timbered land 80.00 chs.
	S. 89° 54' E. bet. secs. 2 and 35.
	Descending over mountainous land through aspen and fallen timber.
40.00	Set cobble stone 14x12x8 ins., 10 ins. in ground for ¼ sec. cor mkd. ¼ on N. face from which
	an aspen 4 ins diam., bears S. 67° E. 43 lks dist.
	mkd. ¼ S 2 B T.
	an aspen 10 ins. diam. bears N. 65° E. 67 lks dist.
	mkd. ¼ S. 35 B T.
42.00	Creek 5 lks wide, in ravine 500 ft. deep, course NW. Asc.
79.50	Spur projects N; desc.
80.00	Set quartzite stone 15x12x5 ins., 10 ins. in ground for cor. of secs. 1, 2, 35 and 36, mkd. with 1 notch on E. and 5 notches on W. edge from which
	an aspen 10 ins. diam., bears N. 15° E. 107 lks dist.
	mkd. T 1 S R 11 W S 36 B T.
	an aspen 4 ins diam., bears S. 47° E. 93 lks dist.
	mkd T 2 S R11 W S 1 B T.
	an aspen 4 ins. diam., bears S. 14° W. 45 lks dist.

NORTH BOUNDARY OF T. 2 S. R. 11 W. U. S. B. & M.

Chains.	
	mkd. T 2 S R 11 W S 2 B T.
	an aspen 5 ins. diam., bears N. 10° W. 53 lks dist.
	mkd. T 1 S R 11 W S 35 B T.
	Land mountainous.
	Soil stony, 2nd and 3rd rate.
	Timber aspen.
	Mountainous land heavily timbered and covered with dense undergrowth 80.00 chs.
	S. 89° 54' E. bet. secs. 1 and 36.
	Descending through heavy aspen timber and dense deer and sarvice brush.
38.00	Hollow, drains N.; asc.
40.00	Set cobble stone 12x10x8 ins., 8 ins. in ground for ¼ sec cor. mkd ¼ on N. face from which
	an aspen 4 ins diam., bears N. 30° W. 14lks dist.
	mkd. ¼ S 36 B T.
	an aspen 4 ins. diam., bears S. 34° E. 10 lks dist.
	mkd. ¼ S 1 B T.
49.00	Spur projects N.; desc.
72.00	Hollow course N. asc.
76.60	Spur projects N.; desc.
80.00	The cor. of Tps. 1 and 2 S., Rgs. 10 and 11 W. previously described.
	Land mountainous.
	Soil stony, 2nd and 3rd rate.
	Timber aspen.
	Mountainous land heavily timbered and covered with dense undergrowth 80.00 chs.

July 9, 1904.

NORTH BOUNDARY OF T. 2 S. R. 11 W. U. S. B. & M.

chains. For general description see subdivision of this Tp.

James M Lentz

U. S. Deputy Surveyor.

Latitude, departures, and closing errors.

Line Designated		True Bearing	Distance	Latitude N.	Latitude S.	Departure E.	Departure W.
			chs.	chs.	chs.	chs.	chs.
Bdy.	T.3 S.,	R.11 W.	N.89°53'W. 479.04	.98			479.04
"	" 2 "	" 10 "	South 479.80		479.80		
"	" 2 "	" 11 "	North 479.80	479.80			
"	" 2 "	" 11 "	S.89°54'E. 478.54		.83	478.54	
		Convergency				.62	
		Totals		480.78	480.63	479.16	479.04
				480.63		479.04	
		Errors in lat. and dep.		.15		.12	

James M Lentz

U.S.Deputy Surveyor.

BOOK A-315

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

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

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

.....

showing the respective capacities in which they acted:

....., *Chainman.*

For final affidavits see book "N" T.1 S.R.11 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 .....

For final affidavits see book "N" T.1 S.R.11 W. , *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 "H" T.1 S.R.11 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; and should any fraud be detected, I will suffer the penalty of perjury under the provisions of an Act of Congress approved August 8, 1846.

..... *United States Deputy Surveyor.*

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

SEAL

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, December 31, 1904.

The foregoing field notes of the survey of the West and North Boundaries of Township No.2 South, Range No.11 West of the Uintah Special Base and Meridian, Utah;

executed by James M. Lentz under his contract No. 280, dated July 22, 1903, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Edward M. Anderson
United States Surveyor General.

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

United States Surveyor General.

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4—679.

BOOK A-315

I.

FILED

OCT 31 1904

O.W.G.

FIELD NOTES

OF THE SURVEY OF THE

Subdivision

of

Township No. 2 South.

Range No. 11 West.

Of the Uintah Special Base and Meridian,

In the State of Utah.

AS SURVEYED BY

James M. Lentz, United States Deputy Surveyor,

Under his Contract No. 280, dated July 22nd, 1903,

Survey commenced July 10, 1904

Survey completed July 21, 1904

G—151

High 59-74-56

BOOK A-315

NAMES AND DUTIES OF ASSISTANTS.

William Longanecker Chainman
Samuel M. Ballard "
Dexter A. McBride Moundman
John N. Carroll Aidman
Lawrence Swan "
David F. Marchant Flagman

For preliminary affidavits see book "C" T.4 S.R.12 W.

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BOOK A-315

INDEX DIAGRAM.

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

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18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

Meanders Page.....

BOOK A 515

PRELIMINARY OATHS OF ASSISTANTS.

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

.....

..... *Chainman*

..... *Chainman*

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

.....

.....

6—151

SUBDIVISION OF T. 2 S., R.11 W.U.S.B.& M.

Survey commenced July 10,1904,and executed with the instrument described in book "A" of this survey.

I examine the adjustments of the transit and find them correct. Then,to test the solar apparatus by comparing its indications resulting from solar observations made during p.m.and a.m.hours with a meridian determined by observation on Polaris, I proceed as follows:

At the cor.of secs.1,2,35,and 36,on S.bdy.of Tp.,2 S., R.11 W.;lat.40°15'54"N.;approximate long.111°07'07"W., I set off 22°13½'N.on decl.arc;40°16'N.on lat.arc;and at 5h.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 my station.

July 10,1904.

July 11:At 0h.14m.a.m.l.m.t.,I observe Polaris at eastern elongation in accordance with the Manual of Instructions and mark a point in the line thus determined on a peg firmly driven in the ground 5 chs.N.of my station.

At 6h.a.m.l.m.t.,I lay off the azimuth of Polaris 1° 34½'to the W.;the meridian thus determined falls on a pole held on the point cut in the stone set July 10,and which marks the meridian determined by p.m.solar observation.

At 7h.a.m.l.m.t.,I set off 40°16'N.on lat.arc;22°09'N. on decl.arc;and determine a meridian with the solar. The meridian thus determined falls on a pole held on the point determined by p.m.solar observation,and tested by Polaris observation.

The solar apparatus by p.m.and a.m.observations defines the same position for meridian as that determined by Polaris observation;therefore, I conclude that the adjustments of the instrument are correct.

SUBDIVISION OF T. 2 S., R.11 W.U.S.B.& M.

Chains	
	The magnetic bearing of the true meridian at 8h.a.m.is N.17°W.;the angle thus determined gives the magnetic decl.17°E.
	From said cor.of secs.1,2,35,and 36, I run N.0°01'W., bet.secs.35 and 36.
	Ascending over mountainous land;through dense young aspen timber.
35.00	Ridge,bears NW. and SE.;descend.
40.00	Set a sandstone,18x12x10 ins.,12 ins.in the ground,for ¼ sec.cor.,mkd.¼ on W.face;from which An aspen,4 ins.diam.,bears N.40°E., 15 lks.dist.,mkd.¼ S 36 B T. An aspen,6 ins.diam.,bears S.56°W., 60 lks.dist.,mkd.¼ S 35 B T.
50.00	Head of hollow,course NE.;enter heavy pine timber,bears NE. and SW.;ascend.
58.00	Spur,projects NE.; descend;leave pines,bear NE.and SW.
80.00	Set a cobblestone,15x8x6 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 An aspen,4 ins.diam.,bears N.7°E., 9 lks.dist.,mkd. T 2 S R 11 W S 25 B T. An aspen,8 ins.diam.,bears S.41°E., 42 lks.dist.,mkd.T 2 S R 11 W S 36 B T. An aspen,4 ins.diam .,bears S.60°W., 20 lks.dist.,mkd. T 2 S R 11 W S 35 B T. An aspen,6 ins.diam.,bears N.63°W., 13 lks.dist,mkd. T 2 S R 11 W S 26 B T.

Chains.	
	Land mountainous.
	Soil stony, 2nd and 3rd rate.
	Timber aspen.
	Mountainous land heavily timbered 80.00 chs.
	S. 89° 53' E. on random line bet. secs. 25 and 36.
40.00	Set temp. ¼ sec. cor.
80.12	Intersect E. bdy of Tp. 18⅔ lks N. of the cor. of secs. 25, 30, 31 and 36 which is a quartzite stone 6x14x7 ins. above ground, firmly set and marked and witnessed as described by Deputies Page and Kershaw under their under contract No. 279.
	Thence I run.
	N. 89° 45' W. on true line bet. secs. 25 and 36.
	Ascending over mountainous land through heavy aspen timber.
31.25	Ridge bears NW. and SE.; leave aspen timber, enter dense sage and sarvice brush, bear NW. and SE.; desc.
40.06	Set cobble stone 12x10x6 ins. 8 ins. in ground for ¼ sec. cor. mkd. ¼ on N. face; raise mound of stone 2 ft. base, 1½ ft. high N. of cor.
63.50	Water Hollow 1000 ft. deep, course S. 42° E, enter pine and aspen timber bears NW. and SE.; asc.
80.12	The cor. of secs. 25, 26, 35 and 36.
	Land mountainous.
	Soil stony, 3rd and 4th rate.
	Timber aspen and pine.
	Mountainous and heavily timbered land covered with dense undergrowth 80.12 chs.

SUBDIVISION OF T. 2 R. 11 W. U. S. B. & M.

Chains.	
	N. 0°01' W. bet. secs. 25 and 26.
	Descending through heavy aspen timber.
18.60	Water hollow 900 ft. deep, course SE.; asc., leave timber, bears NW. and SE.
40.00	Set sandstone 15x8x8 ins., 12 ins. in ground for ¼ sec cor. mkd. ¼ on W. face; raise mound of stone 2 ft. base, 1⅓ ft. high W of cor.
80.00	Set cobble stone 12x6x8 ins., 8 ins. in ground for cor. of secs. 23, 24, 25 and 26 mkd. with 2 notches on S. and 1 notch on E. edge, from which
	an aspen 7 ins. diam., bears N. 62⅔° E. 42 lks dist. mkd. T 2 S R 11 W S 24 B T.
	an aspen 6 ins. diam., bears S. 32⅔° E. 23 lks dist. mkd. T 2 S R 11 W S 25 B T.
	an aspen 6 ins. diam., bears S. 49° W. 15 lks dist. mkd. T 2 S R 11 W S 26 B T.
	an aspen 12 ins. diam., bears N. 45° W. 19 lks dist. mkd. T 2 S R 11 W S 23 B T.
	Land mountainous.
	Soil stony, 3rd rate.
	Timber aspen.
	Mountainous and heavily timbered land 80.00 chs.
	July 11, at this cor. I set off 22° 6⅔' N. on decl. arc and at 0h.5m.p.m. l. m. t. observe the sun on the mer. the resulting lat. is 40° 18' N.
	S. 89° 45' E. on random line bet. secs. 24 and 25.
40.00	Set temp. ¼ sec. cor.
80.08	Intersect E. bdy. of Tp 5 lks. S. of the cor of secs. 19, 24, 25 and 30 which is a sandstone 5x12x12 ins. above

SUBDIVISION OF T. 2 R. 11 W. U. S. B. & M.

Chains	
	ground firmly set and marked and witnessed as described by Deputies Page and Kershaw under their order contract No. 279.
	Thence I run
	N. 89° 47' W. on true line bet. secs. 24 and 25.
	Descending over mountainous land through heavy aspen timber.
8.40	Ravine 300 ft. deep, course SE.; asc.
40.04	Set sandstone 15x9x8 ins., 10 ins. in ground for ¼ sec. cor mkd. ¼ on N. face; from which
	an aspen 4 ins. diam., bears N. 62° E. 58 lks dist. mkd. ¼ S 24 B T.
	an aspen 5 ins diam., bears S. 43° W. 49 lks dist. mkd ¼ S 25 B T.
65.00	Ridge, bears NW. and SE.; desc.,
80.08	The cor. of secs. 23, 24, 25 and 26.
	Land mountainous.
	Soil stony, 3rd rate.
	Timber aspen.
	Mountainous and heavily timbered land 80.08 chs.

	N. 0°01' W. bet. secs. 23 and 24.
	Ascend over mountainous land through heavy aspen timber.
11.00	Leave aspen, bears E. and W.
12.00	Spur ridge, bear NW. and SE.; desc.
13.35	Enter aspen, bear NE. and SW.
13.60	Leave aspen, bear E. and W.
35.40	Dry hollow 500 ft. deep, course S. 60° E.; asc.
40.00	Set sandstone 16x10x5 ins., 11 ins in ground for ¼ sec. cor mkd. ¼ on W. face; dig pits 18x18x12 ins. N. and S. of stone 3 ft. dist.; raise mound of earth 3⅓ ft. base, 1⅓ ft high, W. of cor.

SUBDIVISION OF T. 2 S. R. 11 W. U. S. B. & M.

Chains.	
48.50	Enter heavy aspen timber and dense sarvice and deer brush, bear E, and W.
49.50	Leave aspen timber and brush, enter dense sage brush, bear E. and W.
59.00	Spur ridge, bears S. 60° E. and NW.; desc. over rolli ng ground.
69.50	Enter pine and aspen, bear. E. and W.
80.00	Set sandstone 18x12x11 ins., 12 ins. in ground for the cor. of secs. 13, 14, 23 and 24, mkd with 3 notches on S. and 1 notch on E. edge from which an aspen 14 ins. diam., bears N. 41½° E. 16 lks dist. mkd. T 2 S R 11 W S 13 B T. an aspen 4 ins. diam., bears S. 60° E. 24 lks dist. mkd. T 2 S R 11 W S 24 B T. an aspen 9 ins. diam., bears S. 89° W. 32 lks dist. mkd. T 2 S R 11 W S 23 B T. an aspen 7 ins. diam., bears N. 3½° W. 26 lks dist. mkd. T 2 S R 11 W S 14 B T.
	Land mountainous.
	Soil stony.
	Timber aspen and pine.
	Mountainous land heavily timbered and covered with dense undergrowth 80.00 chs.
	S. 89° 47' E. on random line bet. secs. 13 and 24.
40.00	Set temp. ¼ sec. cor.
80.17	Intersect E. bdy. of Tp 7 lks N. of the cor. of secs. 13, 18, 19 and 24, which is a quartzite stone 6x12x6 ins above ground firmly set marked and witnessed as described

Chains.		279.
	by Deputies Page and Kershaw under their contract No. 279.	
	Thence I run	
	N. 89° 44' W. on true line bet. secs. 13 and 24.	
	Ascending along broken S. slope, through heavy aspen timber and dense chokecherry brush.	
40.08	Set sandstone 15x8x7 ins., 10 ins. in ground for ¼ sec. cor. mkd. ¼ on N. face. from which	
	an aspen 8 ins. diam., bears N. 14° W. 56 lks dist. mkd. ¼ S 13 B T.	
	an aspen 4 ins. diam., bears S. 18° W. 65 lks. dist. mkd. ¼ S 24 B T.	
80.17	The cor. of secs. 13, 14, 23 and 24.	
	Land mountainous.	
	Soil stony, 3rd rate.	
	Timber aspen.	
	Mountainous and heavily timbered land covered with dense undergrowth 80.17 chs.	
	July 11, 1904.	
	July 12, at 7 h. a. m. l. m. t. I set off 40° 18½' N. on lat. arc 22° 1' N. on decl arc, and determine a mer. w with the solar, at the cor. of secs. 13, 14, 23, and 24.	
	Thence I run	
	N. 0°01' W. bet. secs. 13 and 14.	
	Descending through aspen and pine timber.	
1.00	Leave aspen and pine, bear NW. and SE.	
9.00	Enter pine and aspen, bear NW. and SE.	
28.00	Draw, course NE.; asc.	
29.00	Leave standing timber, enter fallen timber.	
34.00	Enter standing pine and aspen, bear E. and W.	

SUBDIVISION OF T. 2 S. R. 11 W. U. S. B. & M.

Chains.	
40.00	Set sandstone 15x12x8 ins., 10 ins. in ground for ¼ sec. cor. mkd. ¼ on W. face; from which
	a balsam 10ins diam., bears S. 42° E. 23 lks dist. mkd. ¼ S 13 B T.
	a balsam 4 ins. diam., bears N. 40° W. 41 lk s dist. mkd. ¼ S 14 B T.
44.00	Ravine 600 ft. deep, course S. 76° E.; enter heavy aspen timber, bear NW. and SE.; asc.
64.00	Ridge bears E. and W.
80.00	Set limestone 15x12x8 ins., 10 ins. in ground for cor. of secs 11, 12, 13 and 14 mkd. with 4 notches on S. and 1 notch on E. edge; from which
	an aspen 4 ins. diam., bears N. 26° E. 12 lks dist. mkd. T 2 S R 11 W S 12 B T.
	an aspen 5 ins. diam., bears S. 74° E. 17 lks dist. mkd. T 2 S R 11 W S 13 B T.
	an aspen 4 ins. diam., bears S. 29° W. 12 lks dist. mkd. T 2 S R 11 W S 14 B T.
	an aspen 4 ins. diam., bears N. 48° W. 10 lks dist. mkd. T 2 S R 11 W S 11 B T.
	Land mountainous.
	Soil stony, 3rd rate.
	Timber aspen.
	Mountainous and heavily timbered land 80.00 chs.

S. 89° 44' E. on random line bet. sec. 12 and 13.

40.00	Set temp. ¼ sec cor.
80.10	Intersect E. bdy of Tp. 14 lks S. of the cor. of secs. 7, 12, 13 and 18 which is a sandstone 6x14x8 ins. above ground firmly set and marked and witnessed as described by

Chains.	
	by Deputies. Page and Kenshaw under their contract No. No. 279.
	Thence I run
	N. 89° 50' W. on true line bet. secs. 12 and 13.
	Descending over mountainous land through heavy fallen timber.
40.05	Set sandstone 18x12x6 ins., 12 ins. in ground for ¼ sec. cor. mkd. ¼ on N. face; raise mound of stone 2 ft. base, 1½ ft. high., N. of cor.
55.10	Hollow, drains N.; asc.
60.00	Enter heavy aspen timber, bear N. and S.
80.10	The cor of secs. 11, 12, 13 and 14.
	Land mountainous.
	Soil stony, 2nd and 3rd rate.
	Timber aspen and fallen pine.
	Mountainous and heavily timbered lands, 80.10 chs.

	N. 0°01' W. bet. secs. 11 and 12.
	Descend over mountainous land through heavy aspen timber.
40.00	Set sandstone 12x9x7 ins., 8 ins. in ground for ¼ sec. cor. mkd. ¼ on W. face; from which
	an aspen 5 ins. diam. bears N. 89° E. 31 lks dist., mkd ¼ S 12 B.T.
	an aspen 5 ins. diam., bears S. 40° W. 29 lks dist. mkd. ¼ S 11 B.T.
63.65.	Race Track Creek 15 lks wide 1000 ft. below sec. cor., course NE. over broken ground
63.90	Spring branch 2 lks wide, course NE. enter willows, bear NE. and SW.; 1.00 ch. wide; asc.
72.00	Spur projects E. desc.

SUBDIVISION OF T. 2 S. R. 11 W. U. S. B. & M.

Chains.

Set a sandstone 15x8x5 ins., 10 ins.in the ground, for
cor.of secs.1,2,11,&and 12,marked with 5 notches on S.
and 1 notch on E.edge; from which

An aspen 4 ins. diam., bears N. 44° E. 21 lks dist.
mkd. T 2 S R 11 W S 1 B T.

an aspen 5 ins. diam., bears S. 22° E. 19 lks dist.
mkd. T 2 S R 11 W S 12 B T.

an aspen 4 ins. diam., bears S. 49° W. 7 lks dist.
mkd. T 2 S R 11 W S 11 B T.

an aspen 5 ins. diam., bears N. 56° W. 49 lks dist.
mkd. T.2 S R 11 W S 2 B T.

Land mountainous.

Soil stony, 3rd rate.

Timber aspen.

Mountainous and heavily timbered land covered with dense
undergrowth.80.00 chs.

July12, at this cor. I set off 21° 58' N. on decl. arc
and at 0h.5½m.p.m. l. m. t. observe the sun on the mer.
the resulting lat. is 40° 20' N.

S. 89° 50' E. on random line bet. secs. 1 and 12.

40.00 Set temp ¼ sec cor.

80.06 Intersect E. bdy. of Tp. 5 lks.S. of the cor. of secs. 1,
6, 7 and 12 which is a sandstone 4x12x6 ins. above ground
firmly set and marked and witnessed as decsribed by Deputies Page and Kershaw under their contract No.279.

Thence I run

N. 89° 52' W. on true line bet. secs. 1 and 12.

Descending over mountainous land through heavy aspen timber.

6.00 Spring branch 4 lks.wide course NE.;asc.

SUBDIVISION OF T. 2 S. R. 11 W. U. S. B. & M.

Chains.	
30.00	Top of spur projects NE.; desc.
40.03	Set sandstone 12x8x6 ins., 8 ins. in ground for ¼ sec. cor.
	mkd. ¼ on N. face from which
	an aspen 4 ins. diam., bears N. 20° E. 18 lks dist.
	mkd. ¼ S 1 B T.
	an aspen 4 ins. diam., bears S. 60° W. 3 lks dist.
	mkd. ¼ S 12 B T.
44.30	Race Track Creek 7 lks wide, course NE.; asc.
79.00	Steep ascent over broken country.
80.06	The cor. of secs 1, 2, 11 and 12.
	Land mountainous.
	Soil stony, 2nd and 3rd rate.
	Timber aspen.
	Mountainous and heavily timbered land. 80.06 chs.
	N. 0° 01' W. on random line bet. secs. 1 and 2.
40.00	Set temp. ¼ sec cor.
80.02	Intersect N. bdy. of Tp 7 lks W. of the cor of secs. 1, 2, 35 and 36, previously described.
	Thence I run
	S. 0° 02' W. on true line bet. secs. 1 and 2.
	Ascending over mountainous land, through heavy aspen timber.
3.00	Top of ridge bears NW. and SE.
25.10	Hollow, course W. asc.
40.02	Saddle bearing NW. and SE. in ridge bearing N. 30° E. and S. 30° W.
	Set sandstone 15x10x8 ins. 10 ins in ground for ¼ sec. cor
	mkd. ¼ on W. face from which
	an aspen 6 ins diam., bears N. 15° E. 84 lks dist.
	mkd. ¼ S 1 B T.

Chains.	
	an aspen 14 ins diam. bears S. 79° W. 260 lks dist.
	mkd. ± S 2 B T.
	Descend.
47.40	Hollow, course NE.; asc.
55.80	Spur projects NE.; desc.
80.02	The cor. of secs. 1, 2, 11 and 12.
	Land mountainous.
	Soil stony, 3rd rate.
	Timber aspen.
	Mountainous and heavily timbered land 80.02 chs.
	July 12, 1904.
	July 13, at 7 h. a. m. I r. at the cor. of secs. 2, 3, 34 and 35 on S. bdy of T. 2 S R 11 W previously described.
	I set off 40° 16' N. on lat. arc. 21° 52' N. on decl arc and determine a mer. with the solar.
	Thence I run
	N. 0902' W. bet. secs. 34 and 35.
	Ascending along E. broken slope, through heavy aspen timber and dense shakecherry brush.
40.00	Set sandstone 18x9x7 ins., 12 ins. in ground for ¼ sec. cor. mkd. ¼ on W. face; from which
	an aspen 7 ins. diam., bears N. 52° E. 85 lks dist.
	mkd. ± S 35 B T.
	an aspen 5 ins. diam., bears S. 46° W. 106 lks dist.
	mkd. ± S 34 B T.
	Descend along broken E. slope.
48.00	Creek 8 lks wide, in ravine 700 ft. deep, course S. 20° E.
	asc. along bottom of ravine.
54.10	Recross Creek, course SW. leave bottom of ravine, asc.

SUBDIVISION OF T. 2 S. R. 11 W. U. S. B. & M.

Chains.	
	over broken country.
78.00	Spur projects SE.; desc.
80.00	Set cobble stone 12x8x6 ins., 8 ins. in ground for cor. of secs. 26, 27, 34 and 35 mkd. with 1 notch on S. and 2 notches on E. edge. from which
	an aspen 4 ins diam. bears N. 1° E. 4 lks dist.
	mkd. T 2 S R 11 W S 26 B T.
	an aspen 6 ins. diam., bears S. 40° E. 65 lks dist.
	mkd T 2 S R11 W.S 35 B T.
	an aspen 5 ins diam., bears S. 35° W. 7 lks dist.
	mkd. T 2 S R 11 W S 34 B T.
	an aspen 10 ins. diam., bears N. 70° W. 34 lks dist.
	mkd T 2 S R 11 W S 27 B T.
	Land mountainous.
	Soil stony, 3rd rate.
	Timber aspen.
	Mountainous and heavily timbered land 80.00 chs.

	S. 89° 53' E. on random line bet. secs. 26 and 35.
40.00	Set temp. ¼ sec. cor.
80.04	Intersect N. and S. line ⅛ lk. N. of the cor of secs. 25, 26, 35 and 36.
	Thence I run
	N. 89° 53' W. on true line bet. secs. 26 and 35.
	Descending over mountainous land through heavy aspen timber.
5.80	Spring branch 2 lks wide, course NE.; asc.
35.00	Spur projects NE.; desc.
40.02	In hollow 50 ft. deep, course NE.
	Set cobble stone 12x8x6 ins., 8 ins. in ground for ¼ sec.

SUBDIVISION OF T. 3 S. R. 11 W. U. S. B. & M.

Chains.	
	cor. mkd. ¼ on N. face; from which
	an aspen 6 ins. diam., bears N. 64° W. 49 lks dist.;
	mkd ¼ S 26. B T.
	a pine 9 ins. diam.., bears S. 80° E. 47 lks dist.
	mkd. ¼ S 35 B T.
	Ascend.
46.50	Ridge, bears NW. and SE.; desc.
77.00	Ravine 700 ft. deep, course SE.; enter dense deer and sarvice brush, bear NW. and SE.; asc.
80.04	The cor. of secs. 26, 27, 34 and 35.
	Land mountainous.
	Soil stony, 2 nd and 3rd rate..
	Timber: aspen.
	Mountainous and heavily timbered land 80.04 chs.
	N.0°02'W. bet. secs. 26 and 27.
	Descending over mountainous land, through heavy aspen timber.
3.85	Ravine 500 ft. deep, course S. 25° E.; asc.
40.00	Set a cobble stone 14x10x6 ins. , 10 ins. in ground for ¼ sec. cor. mkd. ¼ on W. face from which.
	an aspen 4 ins. diam., bears N. 54° W. 8 lks. dist.
	mkd. ¼ S 27 B T.
	an aspen 4 ins. diam., bears N. 59° E. 20 lks dist.
	mkd. ¼ S 26 B T.
49.40	Ridge, bears NW. and SE.; enter pine timber, bears NW. and SE.; desc.
71.00	Ravine 500 ft. deep, course SE.; asc.
80.00	Set cobble stone 13x8x8 ins., 9 ins. in ground for cor. of secs. 22, 23, 26 and 27 mkd with 2 notches on S. and E. edges,

SUBDIVISION OF T. 3 S. R. 11 W. U. S. B. & M.

Chains.	
	from which
	an aspen 9 ins. diam., bears N. 82° E. 20 lks dist.
	mkd. T 2 S R 11 W S 23 B T.
	an aspen 4 ins. diam, bears S. 61° E. 5 lks dist.
	mkd. T 2 S R 11 W S 26 B T.
	an aspen 4 ins diam., bears S. 75° W. 14 lks dist.
	mkd. T 2 S R 11 W S 27 B T.
	an aspen 5 ins. diam., bears N. 82° W. 16 lks dist
	mkd. T 2 S R 11 W S 22 B T.
	Land mountainous.
	Soil stony, 2nd and 3rd rate.
	Timber aspen.
	Mountainous and heavily timbered land 80.00 chs.
	July 13, at this cor. I set off 21° 49½' N. on decl. arc and at 0h. 5½m. p.m., l. m. t. observe the sun on the mer. the resulting lat. is 40° 17½' N..
	S. 89° 53' E. on randome line bet. secs. 23 and 26.
40.00	Set temp. ¼ sec. cor.
80.16	Intersect N. and S. line 3 lks. S. of the cor of secs. 23, 24, 25 and 26..
	Thence I run.
	N. 89° 54' W. on true line bet. secs. 23 and 26.
	Descending over mountainous land through heavy aspen timber.
40.08	Set cobble stone 12x8x6. ins., 8 ins. in ground for ¼ sec. cor mkd. ¼ on N. face from which
	an aspen 10 ins. diam., bears N. 6° W. 70 lks dist.
	mkd. ¼ S 23 B T.
	an aspen 6 ins. diam., bears S. 44° E. 18 lks dist.
	mkd. ¼ S 26 B T.
44.0	

SUBDIVISION OF T. 2 S. R. 11 W. U. S. B. & M.

Chains.	
44.00	Ravine 200 ft. deep, course S. 30° E.; asc.
48.50	Spur projects S.; desc.
53.70	Water Hollow 800 ft. deep, course S. 15° E.; asc.
72.50	Spur projects SE.; desc.
80.16	The cor. of secs. 22, 23, 26 and 27.
	Land mountainous.
	Soil gravelly, 2nd and 3rd rate.
	Timber aspen.
	Mountainous and heavily timbered land 80.16 chs.

	N. 0°02' W. bet. secs. 22 and 23.
	Ascending through heavy aspen timber.
7.00	Spur projects SE.
	Desc.
39.00	Descent becomes steeper.
40.00	Set cobble stone 13x8x4 ins. 9 ins. in ground for ¼ sec. cor. mkd. ¼ on W. face from which
	an aspen 24 ins diam., bears N. 91° E. 13 lks dist.. mkd. ¼ S 23 B.T.
	an aspen 13 ins. diam., bears N. 85° W. 19 lks dist. mkd ¼ S 22 B T.
46.00	Water Hollow, 800 ft. deep, course SE.
	Asc.
80.00.	Set sandstone 18x12x11 ins., 12 ins. in ground for the cor. of secs. 14, 15, 22 and 23. mkd. with 3 notches on S and 2 notches on E. edge from which
	an aspen 14 ins. diam., bears N. 41½° E. 16 lks dist. mkd. T 2 S R 11 W S 14 B T..
	an aspen ¾ ins diam., bears S. 60° E. 24 lks dist. mkd. T 2 S R 11 W S 23 B T.

Chains.	
	an aspen 9 ins. diam., bears S. 89° W. 32 lks dist.
	mkd. T 2 S R 11 W S 22 B T.
	an aspen 7 ins. diam., bears N. 3½° W. 26 lks dist.
	mkd. T 2 S R 11 W S 15 B T.
	Land mountainous.
	Soil stony, 3rd rate.
	Timber aspen.
	Mountainous and heavily timbered land 80.00 chs.
	S. 89° 54 ' E. on random line bet. secs. 14 and 23.
40.00	Set temp. ¼ sec. cor.
79.98	The cor. of secs. 13, 14, 23 and 24.
	Thence I run
	N. 89° 54' W. on true line bet. secs. 14 and 23.
	Ascend over mountainous land through heavy pine timber.
3.00	Leave pine, bear N. and S.
14.00	Enter pine and aspen timber., bear N. and S.
29.00	Spur ridge, bear NW. and S. 70° E. leave heavy pine and aspen and enter scattering pine and aspen timber, bears NW. and SE.
	Desc.
39.99	Set cobble stone 14x10x8 ins., 10 ins. in ground for ¼ sec. cor. mkd. ¼ on N. face from which
	an aspen 12 ins. diam. bears S. 41½° W. 176 lks dist.
	mkd. ¼ S 23 B T.
	No other trees within limits., dig pits 18x18x12 ins. E. and W. of stone 3 ft. dist. & raise mound of earth 3½ ft base, 1½ ft. high N. of cor.
45.00	Enter heavy pine and aspen timber.
	Descend along broken S. slope.
79.98	The cor. of secs. 14, 15, 22 and 23.

SUBDIVISION OF T. 2 S., R. 11 W., U. S. B. & M.

Chains.	
	Land mountainous.
	Soil loam and stony, 1st and 3rd rate.
	Timber aspen and pine.
	Mountainous and heavily timbered land 79.98 chs.
	July 13, 1904.
	July 14, at 7 hr. a. m. l. m. t. I set off 40° 18½' N. on lat. arc, 21° 43½' N. on decl. arc, and determine a true mer. with the solar, at cor. of secs. 14, 15, 22, and 23
	Thence I run
	N. 0°02' W. bet. secs. 14 and 15.
	Ascending over mountainous land through heavy aspen and pine timber.
6.00	Leave heavy aspen timber, enter scattering pine and aspen timber, bears NW. and SE.
10.00	Top of ridge, bears E. and N. 20° W. desc. along broken NE. slope.
22.00	Very steep descent.
38.00	Ravine 250 ft. deep, course SE. enter heavy aspen and scattering pine timber.
	Ascend.
40.00	Set sandstone 18x14x10 ins., 12 ins. in ground for ¼ sec. cor. mkd. ¼ on W. face, from which
	an aspen 14 ins. diam., bears S. 40° E. 33 lks dist. mkd. ¼ S 14 B T.
	an aspen 10 ins. diam., bears N. 46° W. 43 lks dist. mkd. ¼ S 15 B T.
65.00	Top of ridge bears S. 80° E. and N. 60° W.; desc.
80.00	Set quartzite stone 18x12x8 ins., 12 ins. in ground for cor of secs. 10, 11, 14 and 15 mkd. with 4 notches on S. and 2 notches on E. edge. from which

Chains.	
	an aspen 12 ins. diam , bears N. 34° E. 22 lks dist.
	mkd. T 2 S R 11 W S 11 B T.
	an aspen 4 ins. diam., bears S. 16° E. 14 lks dist.
	mkd T 2 S R 11 W S 14 B T.
	an aspen 4 ins. diam., bears S. 74° W. 18 lks dist.
	mkd. T 2 S R 11 W S 15 B T.
	an aspen 10 ins. diam., bears. N. 69° W. 105 lks dist
	mkd. T 2 S R 11 W S 10 B T.
	Land mountainous.
	Soil stony, 2nd and 3rd rate.
	Timber, aspen and pine.
	Mountainous and heavily timbered land 80.00 chs.
	S. 89° 54' E. on random line bet. secs. 11 and 14.
40.00	Set temp. ¼ sec. cor.
80.00	Intersect N. and S. line 2½ lks. s. of the cor of secs. 11, 12, 13 and 14.
	Thence I run.
	N. 89° 55' W. on true line bet. secs. 11 and 14.
	Ascending along broken N. slope, through heavy aspen and scattering pine timber.
29.50	Spur projects NE.
	Desc.
40.00	Set limestone 14x8x5 ins., 10 ins. in ground for ¼ sec. cor mkd. ¼ on N. face, from which
	an aspen 6 ins diam., bears N. 33° E. 37 lks dist.
	mkd. ¼ S 11 B T.
	an aspen 4 ins. diam., bears S. 48° W. 25 lks dist.
	mkd. ¼ S 14 B T.
53.00	Ascend along broken W. slope.

SUBDIVISION OF T. 2 S. R. 11 W. W. M. B. & M.

Chains.	
80.00	The cor. of secs. 10, 11 14 and 15
	Land mountainous.
	Soil stony, 2nd and 3rd rate.
	Timber aspen and pine.
	Mountainous and heavily timbered lands 80.00 chs.
	N.0°02'W.bet. secs. 10 and 11.
	Desecn over mountainous land, through heavy aspen and scattering pine timber, underlaid with heavy fallen timber.
32.50	Race Track Creek 7 lks wide, in canon 700 ft. deep, course N. 16° E.; leave timber enter dense sage brush, bears N. 60° E. and S. 60° W.
	Ascend.
38.00	Spur projects SE.
	Descend.
40.00	In a hollow, course SE.
	Set quartzite stone 12x10x9 ins. 8 ins. in ground for ¼ sec. cor. mkd. ¼ on N. face; raise mound of stone 2 ft. base, 1½ ft. high W. of cor.
	Acs.
65.50	Ridge, bears NE. and SW; enter heavy pine and fallen timber, bears NE. and SW.
	Desc.
80.00	Set limestone 20x15x10 ins., 15 ins. in ground for cor of secs. 2, 3, 10 and 11, mkd. with 5 notches on S. and 2 notches on E. edge from which
	a pine 4 ins. diam., bears N. 42° E. 24 lks dist. mkd. T 2 S R 11 W S 2 B T.
	a pine 4 ins. diam., bears S. 29° E. 50 lks dist. mkd. T 2 S R 11 W S 11 B T.

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Chains.	
	a pine 4 ins. diam., bears N. 11° W. 25 lks dist.
	mkd. T 2 S R 11 W S 3 B T.
	a pine 5 ins. diam., bears S. 8° W. 58 lks dist.
	mkd. T 2 S R11 W S 10 B T.
	July 14, at this cor. I set off 21° 40⅓' N. on decl. arc
	and at 0h. 5½m. p.m. l. m. t. observe the sun on the mer. the
	resulting lat. is 40° 20' N.
	Land mountainous.
	Soil stony, 2nd and 3rd rate.
	Timber aspen and pine.
	Mountainous land heavily timbered 80.00 chs.
	———
	S 89° 55' E. on random line bet. secs. 2 and 11.
40.00	Set temp. ¼ sec. cor.
80.06	Intersect N. and S. line 7 lks N. of the cor. of secs. 1,
	2, 11 and 12
	Thence I run
	N. 89° 52' W. on true line bet. secs. 2 and 11
	Ascending over mountainous land, through heavy aspen timber.
36.00	Spring branch, 2 lks. wide, course SE.
40.03	Set quartzite stone 12x8x6 ins. 8 ins. in ground for ¼
	sec. cor. mkd. ¼ on N. face, from which
	an aspen 4 ins. diam. bears N. 25° E. 67 lks dist.
	mkd. ¼ S 2 B T.
	an aspen 4 ins. diam., bears S. 40° E. 28 lks dist.
	mkd. ¼ S 11 B T.
65.00	Saddle bears NW. and SE. and Ridge bears NE. and SW.
	Desc.
80.06	The cor. of secs. 2, 3, 10 and 11.
	Land mountainous.

Chains. Soil stony, 2nd. and 3rd rate.

Timber aspen.

Mountainous and heavily timbered. land 80.06 chs.

N.0°02'W. on random line bet. secs. 2 and 3.

40.00 Set temp. ¼ sec cor.

80.04 Intersect N. bdy of Tp. 5 lks E. of the cor. of secs. 2, 3, 34 and 35, previously described.

Thence I run

S.0°04' E. on true line bet. secs. 2 and 3.

Ascending through heavy aspen timber and dense chokecherry and brier brush.

40.04 Set limestone 20x15x7 ins., 15 ins. in ground for ¼ sec. cor. mkd. ¼ on W. face, from which

an aspen 5 ins. diam., bears N. 32° E. 12 lks dist. mkd. ¼ S 2 B T.

an aspen 4 ins diam., bears S. 70° W. 20 lks dist. mkd. ¼ S 3 B T.

80.04 The cor. of secs. 2, 3, 10, and 11

Land mountainous.

Soil stony 2d and 3d rate.

Timber aspen.

Mountainous land; heavily timbered or covered with dense undergrowth 80.04 chs.

July 14, 1904.

July 15, At the cor of secs. 3, 4, 33 and 34 on S. bdy of Tp 2 S. R. 11 W. previously described; at 7 h. a. m. l.m. t. I set off 40° 16' N. on lat arc. 21° 33' N. on decl. arc and determine a mer. with the solar.

Thence I run

N.0°02' W. bet. secs. 33 and 34.

Descending through burnt and fallen timber.

8.00 Ravine 350 ft. deep, course E.; leave timber, enter dense deer and chokecherry brush, bear E. and W.

Asc.

SUBDIVISION OF T. 2 S., R. 11 W., U. S. B. & M.

Chains.	
21.00	Spur projects SE.; enter heavy pine timber bear NW. and SE.
	Desc.
31.00	Ravine 350 ft. deep, course SE.; leave heavy pine timber,
	bear NW. and SE.
	Asc.
40.00	Set sandstone 15x10x4 ins. 10 ins. in ground for ¼ sec. cor.
	mkd. ¼ on W. face; raise mound of stone 2 ft. base, 1½ ft
	high W. of cor.
54.10	Spur projects NE.; enter scattering pine timber, bear NE.
	and SW.
	Desc.
70.50	Ravine 100 ft. deep, course NE.;
	Asc.
75.00	Spur projects NE.
	Desc.
79.20	Draw, course SW.
	Asc.
80.00	Set sandstone 18x14x8 ins. 12 ins. in ground for cor of
	secs. 27, 28 , 33 and 34 mkd. with 1 notch on S. and 3 n
	notches on E. edge. from which.
	a balsam 10 ins. diam., bears N. 14° E. 17 lks dist.
	mkd. T 2 S R 11 W S 27 B T.
	a pine 7 ins. diam., bears S. 30° E. 122 lks dist.
	mkd. T 2 S R 11 W S 34 B T.
	a balsam 10 ins diam., bears S. 19° W. 19 lks dist.
	mkd. T 2 S R 11W S 33 B T.
	a pine 6 ins diam., bears N. 5° W. 50 lks dist.
	mkd. T 2 S R 11 W S 28 B T.
	Land mountainous.
	Soil stony, 2nd and 3rd rate.

SUBDIVISION OF T. 2 S., R. 11 W., U. S. B. & M.

Chains.	
	Timber pine and fallen timber.
	Mountainous land heavily timbered 80.00 chs.
	S. 89° 53' E. on random line bet. secs. 27 and 34.
40.00	Set temp. ¼ sec. cor.
79.96	Intersect N. and S. line 2½ lks N. of cor of secs. 26, 27 34 and 35
	Thence I run
	N. 89° 52' W. on true line bet. secs. 27 and 34.
	Ascending over mountainous land through heavy pine timber.
12.50	Top of spur projects S. 70° E.
	Desc.
39.98	Set sandstone 15x10x8 ins., 10 ins. in ground for ¼ sec. cor mkd. ¼ on N. face from which
	a pine 7 ins. diam., bears N. 48 ° E. 70 lks dist. mkd. ¼ S 27 B T.
	a pine 12 ins. diam., bears S. 18° E. 86 lks dist. mkd. ¼ S 34 B T.
52.00	Draw, course SE.
	Asc.
58.00	Ridge, bears S. 30° E. and N. 40° W.
	Desc.
69.00	Draw, course SW.
	Asc.
74.60	Spur ridge, bears NE. and SW.
	Desc.
78.00	Draw, course S. 20° W.
	Asc.
79.96	The cor. of secs. 27, 28, 33 and 34.
	Land mountainous.

SUBDIVISION OF T. 2 S. R. 11 W. U. S. B. & M.

Chains.	
	Soil stony, 2nd and 3rd rate.
	Timber pine.
	Mountainous and heavily timbered land 79.96 chs.
	N. 0.02' W. bet. secs. 27 and 28.
	Descending over mountainous land, through dense brush and scattering pine timber.
10.40	Draw, course W.
	Asc.
27.00	Ridge, bears NW. and SE.
	Desc.
39.20	Ravine 300 ft. deep, course SE., leave scattering pine timber , bears NW. and SE.
	Asc.
39.50	Enter heavy aspen timber, bear NW. and SE.
40.00	Set cobble stone 24x16x10 ins., 18 ins. in ground for ¼ sec cor mkd. ¼ on W. face, from which.
	an aspen 5 ins. diam., bears N. 45° E. 31 lks dist. mkd. ¼ S 27 B T.
	an aspen 4 ins. diam., bears S. 15° W. 13 lks dist. mkd. ¼ S 28 B T.
56.00	Spur projects SE.
	Desc.
65.00	Hollow, course SE. leave aspen timber, bears NW and SE,
	Asc.
75.00	Spur projects E.
	Desc.
80.00	Set cobble stone 15x12x4 ins. 10 ins in ground for cor of secs. 21, 22, 27 and 28 mkd. with 2 notches on S. and 3 notches on E. edge from which

SUBDIVISION OF T. 2 S. R. 11 W. U. S. B. & M.

Chains.	
	a pine 15 ins. diam., bears N. 8° E. 235 lks dist. mkd. T 2 S R 11 W S 22 B T.
	a pine 12 ins. diam., bears N. 7° W. 111 lks dist. mkd. T 2 S R 11 W S 21 B T.
	no other trees within limits; raise mound of stone 2 ft. base, 1½ ft. high. W. of cor.
	Land mountainous.
	Soil stony, 2nd and 3rd rate.
	Timber aspen and pine.
	Mountainous and heavily timbered land covered with dense undergrowth 80.00 chs.
	S. 89° 52' E. on random line bet. secs. 22 and 27.
40.00	Set temp. ¼ sec. cor.
80.10	Intersect N. and S. line 7 lks S. of the cor of secs. 22, 23, 26 and 27
	Thence I run
	N. 89° 55' W. on true line bet secs. 22 and 27.
	Descending through heavy aspen timber.
16.00	Ravine 300 ft. deep, course SE.; leave aspen, bear NW. and SE.
	Asc. through dense deer and sage brush.
32.00	Enter heavy pine timber, bear N, and S.
37.00	Leave heavy pines, bear N. and S.
40.05	Set cobble stone 14x10x4 ins., 10 ins. in ground for ¼ sec cor. mkd. ¼ on N. face; raise mound of stone 2 ft. base, 1½ ft. high, N. of cor.
49.00	Spur projects SE.
	Desc.
57.00	Enter heavy aspen timber, bear N. and S.

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Chains.	
66.50	Leave heavy aspen, bear NE. and SW.
67.50	Ravine 500 ft. deep, course SE.
	Asc.
80.10	The cor. of secs. 21, 22, 27 and 28.
	Land mountainous.
	Soil gravelly, 2nd rate.
	Timber aspen.
	Mountainous land heavily timbered and covered with dense undergrowth 80.10 chs.
	July 15, at this cor. I set off 21° 31½' N. on decl. arc and at 0h. 5½m.p.m. l. m. t. observe the sun on the mer. the resulting lat is 40° 17½' N.

	N.0°02'W.bet.. secs. 21 and 22.
	Descending through dense deer and sage brush.
1.50	Enter scattering pines, bear E. and W.
8.50	Ravine 250 ft. deep, course SE. leave pines bear NW. and SE.
	Asc.
24.00	Spur ridge, bears W. and S. 47° E.
	Desc.
40.00	Set sandstone 18x9x6 ins., 12 ins in ground for ¼ sec. cor. mkd. ¼ on W. face; raise mound of stone 2 ft. base, 1½ ft high W. of cor.
57.00	Enter heavy pines , bear E. and W.
68.20	Leave pines, bear E. and W.
72.20	Ravine 250 ft. deep, course S. 80° E, spring in bottom 1.00 ch. E. of line.
	Asc.
80.00	Set sandstone 20x12x10 ins., 15 ins in ground for cor of secs. 15, 16 21 and 22.mkd.

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Chains.	
	2 S on NE,
	11 W on SE. face with 3 notches on S. and E. edges; raise mound of stone 2 ft. base 1½ ft. high W. of cor.
	Land mountainous.
	Soil loam and stony, 1st and 3rd rate.
	Timber pine.
	Mountainous and heavily timbered land 80.00 chs.
	S. 89° 55' E. on random line bet. secs. 15 and 22.
40.00	Set temp. ¼ sec. cor.
80.08	Intersect N. and S. line 3 lks. N. of the cor. of secs. 14, 15, 22 and 23.
	Thence I run
	N. 89° 54 ' W. on true line bet. secs. 15 and 22.
	Ascend along broken S. slope through heavy aspen and scattering pine timber.
13.50	Leave aspen and pine, enter dense chokecherry and deer brush, bear NW. and SE.
30.00	Point on S. side of ridge 300 ft. above sec. cor.; leave brush, bear N. and S.
	Desc.
40.04	Set cobble stone 12x10x7 ins., 8 ins. in ground for ¼ sec cor. mkd. ¼ on N. face; raise mound of stone 2 ft. base, 1½ ft. high N. of cor.
50.00	Dry wash in basin, course SE. Asc. over broken ground in basin.
80.08	The cor. of secs. 15, 16, 21 and 22.
	Land mountainous.
	Soil stony, 3rd rate.
	Timber aspen and pine.
	Mountainous and heavily timbered land covered with dense

SUBDIVISION OF T. 2 S. R. 11 W. U. S. B. & M.

Chains	
	undergrowth 80.08 chs.
	N. 0°02' W. bet. secs. 15 and 16.
	Ascending over mountainous country, through dense sage and deer brush.
7.00	Spur projects E. broken ledges, bear E. and W.
	Desc. over slide rock along broken E. slope.
30.00	Enter hollow, course SE.
	Asc.
39.00	Saddle bears N. and S. and ridge bears E. and W.
	Desc.
40.00	Set sandstone 14x10x6 ins., 10 ins. in ground for ¼ sec. cor. mkd. ¼ on W. face from which
	a pine 6 ins diam., bears S. 75° W. 50 lks dist. mkd. ¼ S. 16 B T.
	No other trees within limit; raise mound of stone 2 ft. base, 1½ ft. high W. of cor.
	Enter scattering pine timber, bear NE. and SW.
61.00	Ravine 500 ft. deep, course NE.
	Asc.
65.50	Ridge bears NE. and SW.; enter heavy pine timber, bears with ridge.
	Desc.
80.00	Set a porphyry stone 15x10x5 ins., 10 ins. in ground for cor. of secs. 9, 10, 15 and 16 mkd. with 4 notches on S. and 3 notches on E. edge, from which
	a pine 5 ins diam., bears N. 75° E. 21 lks dist. mkd. T 2 S R 11 W S 10 B T.
	a pine 10 ins. diam., bears S. 12° E. 32 lks dist. mkd. T 2 S R 11 W S 15 B T.

SUBDIVISION OF T. 2 S. R. 11 W. U. S. B. & M.

Chains.	
	a pine 18 ins. diam., bears S. 5° W. 19 lks dist. mkd. T 2 S R 11 W S 16 B T.
	a pine 16 ins. diam., bears N. 32° W. 8 lks dist. mkd. T 2 S R 11 W S 9 B T.
	Land mountainous.
	Soil stony, 3rd rate.
	Timber pine.
	Mountainous and heavily timbered land covered with dense undergrowth 80.00 chs.
	July 15, 1904.
	July 16, at 7 h. a.m. I met. I set off 40° 19½' N. on lat. arc. 21° 24½' N. on decl. arc. and determine a true meridian with the solar at the cor. of secs. 9, 10, 15, and 16.
	Thence I run
	S. 89° 54' E. on random line bet. secs. 10 and 15.
40.00	Set temp. ¼ sec. cor.
79.98	Intersect N. and S. line 3 lks S. of the cor. of secs. 10, 11, 14 and 15.
	Thence I run
	N. 89° 55' W. on true line bet. secs. 10 and 15.
	Descending over mountainous land through heavy aspen timber.
18.90	Spring branch, 2 lks wide, course NE.; in ravine 750 ft. deep, asc.
32.25	Enter heavy pine and aspen, bear N. and S.
39.99	Set cobble stone 12x8x6 ins., 8 ins. in ground for ¼ sec cor mkd. ¼ on N. face; from which
	an aspen 10 ins. diam., bears N. 15° W. 45 lks dist. mkd. ¼ S 10 B T.
	an aspen 10 ins. diam., bears S. 30° E. 46 lks dist. mkd. ¼ S 15 B T.
52.00	Spur projects N.; desc.

SUBDIVISION OF T. 2 S. R. 11 W. U. S. B. & M.

Chains.	
79.98	The cor. of secs. 9, 10, 15 and 16.
	Land mountainous.
	Soil loam and stony, 1st and 3rd rate.
	Timber pine and aspen.
	Mountainous land heavily timbered covered with dense
	undergrowth 79.98 chs.
	———
	N. 0°02' W. bet. secs. 9 and 10.
	Descend over mountainous land; through heavy pine timber.
14.50	Ravine 500 ft. deep, course N. 80° E.; asc. through
	heavy pine and aspen timber.
31.50	Ridge, bears E. and W.; leave aspen, bear E. and W.
	Desc.
40.00	Set cobble stone 12x10x8 ins., 8 ins. in ground for ¼ sec
	cor. mkd. ¼ on W. face from which
	a pine 10 ins. diam., bears W. 16 lks dist.
	mkd. ¼ S. 9 B T
	a pine 5 ins. diam., bears N. 85° E. 47 lks dist.
	mkd. ¼ S 10 B T.
77.90	Ravine, 700 ft. deep, course NE.; leave pine, enter aspen
	timber, bear NE. and SW.
80.00	Set cobble stone 14x10x10 ins. 10 ins. in ground for cor of
	secs. 3, 4, 9 and 10 mkd. with 5 notches on S. and 3 notches
	on E. edge from which
	an aspen 15 ins. diam., bears N. 61° E. 41 lks dist.
	mkd. T 2 S R 11 W S 3 B T.
	an aspen 12 ins. diam., bears S. 86° E. 16 lks dist.
	mkd. T 2 S R 11 W S 10 B T.
	an aspen 15 ins. diam., bears S. 27° W. 34 lks dist.
	mkd. T 2 S R 11 W S 9 B T.

SUBDIVISION OF T. 2 S. R. 11 W. U. S. B. & M.

Chains.	
	an aspen 12 ins. diam., bears N. 72° W. 75 lks dist. mkd. T 2 S R 11 W S 4 B T.
	Land mountainous.
	Soil stony, 2nd and 3rd rate.
	Timber pine and aspen.
	Mountainous land heavily timbered 80.00 chs.
	———
	S. 89° 55' E on random line bet. secs. 3 and 10.
40.00	Set temp. ¼ sec. cor.
80.00	Intersect N. and S. line 4½ lks S. of the cor. of secs. 2, 3, 10 and 11
	Thence I run
	N. 89° 57' W. on true line bet. secs. 3 and 10.
	Ascending over mountainous land through heavy aspen timber.
40.00	Set quartzite stone 16x8x6 ins., 11 ins. in ground for ¼ sec. cor. mkd. ¼ on N. face from which
	an aspen 4 ins. diam., bears N. 45° W. 44 lks dist. mkd ¼ S 3 B T.
	an aspen 5 ins. diam., bears S. 45° E. 69 lks dist. mkd. ¼ S 10 B T.
50.00	Spur projects NE.; enter burnt pines bear NE. and SW.
	Desc.
77.50	Ravine 100 ft. deep, course N. 30° E. leave burnt pines bear NE. and SW.
	Asc.
80.00	The cor. of secs. 3, 4, 9, and 10.
	Land mountainous.
	Soil, stony, 3rd. rate.
	Timber aspen and burnt pine.
	Mountainous and heavily timbered land. 80.00 chs.

SUBDIVISION OF T. 2 S. R. 11 W. U. S. B. & M.

Chains.	
	July 16 at this cor. I set off 21° 21½' N. on decl. arc and at 0h 6m p.m. l.m. t. observe the sun on the mer. the resulting lat. is 40° 20' N.
	N. 0°02' W. on random line bet. secs. 3, and 4.
40.00	Set temp. ¼ sec. cor.
80.00	Intersect N. bdy. of Tp 9 lks. E. of the cor. of secs. 3, 4, 33 and 34, previously described.
	Thence I run
	S. 0°06' E. on true line bet. secs. 3 and 4.
	Ascending over mountainous land through heavy pine and aspen timber.
26.00	Spur ridge, bears N. 20° E. and S. 50° W.; desc.
39.00	Ravine 150 ft. deep, course N. 30° E.; asc.
40.00	Set cobble stone 12x10x7 ins., 8 ins. in ground for ¼ sec cor. mkd. ¼ on W. face from which
	a pine 5 ins. diam., bears E. 21 lks dist.
	mkd. ¼ S 3 B T.
	an aspen 4 ins. diam., bears N. 80° W. 11 lks dist.
	mkd. ¼ S 4 B T.
67.00	Spur projects NE. desc. over broken country.
80.00	The cor. of secs. 3, 4, 9 and 10
	Land mountainous
	Soil stony, 2nd and 3rd rate.
	Timber pine and aspen.
	Mountainous land heavily timbered 80.00 chs.
	July 16, 1904.
	July 17, at the cor. of secs. 4, 5, 32 and 33 on S. bdy of Tp. 2 S. R 11 W., previously described I set off 40° 16' N. on lat arc 21° 14½' N. on decl. arc. and at 7 h.

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Chains.	
	a. m. l. m. t. determine a mer. with the solar.
	Thence I run
	N. 0°03' W. bet. secs. 32 and 33.
	Ascending over mountainous land through heavy aspen timber and dense chokecherry brush.
17.00	Leave aspen timber, bear E. and W.
40.00	Set cobble stone 15x10x5 ins., 10 ins in ground for ¼ sec. cor. mkd. ¼ on W. face; raise mound of stone 2 ft. base, 1½ ft. high W. of cor.
	Descend along broken W. slope
55.50	Ravine, course SW; asc.
72.90	Spur projects SW.
	Desc.
77.00	Enter heavy aspen timber, bears NE. and SW.
80.00	Set sandstone 15x8x8 ins., 10 ins in ground for cor. of secs. 28, 29, 32 and 33; mkd with 1 notch on S. and 4 notches on E. edge from which
	an aspen 4 ins diam., bears N. 58° E. 5 lks dist. mkd. T 2 S R 11 W S 28 B T.
	an aspen 4 ins diam. bears S. 15° E. 5 lks dist. mkd. T 2 S R 11 W S 33 B T.
	an aspen 4 ins. diam., bears S. 23° W. 11 lks dist. mkd T 2 S R 11 W S 32 B T.
	an aspen 4 ins. diam., bears N. 12° W. 4 lks dist. mkd. T 2 S R 11 W S 29 B T.
	Land mountainous.
	Soil stony, 4th rate.
	Timber aspen.
	Mountainous and heavily timbered land covered with dense undergrowth 80.00 chs.

SUBDIVISION OF T. 2 S.R. 11 W. U. S. B. & M.

Chains.	
	S. 89°.53' E. on random line bet. secs. 28 and 33.
40.00	Set temp. ¼ sec. cor.
80.02	Intersect N. and S. line 9 lks. S. of the cor. of secs. 27, 28, 33 and 34
	Thence I run N. 89° 57' W. on true line bet. secs. 28 and 33.
	Ascending over mountainous land through heavy pine timber.
20.00	Spur projects N.; desc.
40.01	Set sandstone 16x12x10 ins., 11 ins in ground for ¼ sec. cor. mkd. ¼ on N. face from which
	a pine 8 ins diam., bears N. 58°E. 79 lks dist.
	mkd. ¼ S 28 B T.
	a balsam 10 ins. diam., bears S. 43° W. 58 lks. dist.
	mkd. ¼ S 33 B.T
52.00	Ravine 800 ft. deep, course SW.; asc.
71.40	Spur ridge, bears NE. and SW. leave pine and enter aspen, bear NE. and SW. desc.
80.02	The cor. of secs. 28, 29, 32 and 33.
	Land mountainous.
	Soil stony, 2nd and 3rd rate.
	Timber pine and aspen.
	Mountainous land heavily timbered 80.02 chs.

	N. 0°03'W. bet. secs. 28 and 29.
	Descending over mountainous land through heavy aspen timber.
11.00	Ravine 600 ft. deep, course SW. leave aspen bear NE. and SW.; asc. through dense chokecherry & deer brush.
25.00	Spur projects SW; desc.
27.00	Enter heavy aspen timber. bear NE. and SW.
40.00	Set cobble stone 15x8x6 ins., 10 ins. in ground for ¼ sec cor. mkd. ¼ on W. face; from which
	a pine 4 ins. diam., bears S. 67° E. 15 l.. dist.

SUBDIVISION OF T. 2 S. R. 11 W. S. B. & M.

Chains.	
	an aspen 4 ins. diam., bears S. 67° E. 16 lks dist.
	mkd. ¼ S 28 B T.
	an aspen 4 ins. diam., bears W. 15 lks dist.
	mkd ¼ S 29 B T.
45.00	Hollow, course SW.; asc.
75.00	Spur projects SW; desc.
80.00	Set aspen post 3 ft. long, 4 ins. sq., 24 ins. in ground for cor. of secs. 20, 21, 28 and 29 mkd.
	T 2 S S 21 on NE
	R 11 W S 28 on SE
	S 29 on SW.
	S. 20 on NW. face with 2 notches on S. and 4 notches on E. edge from which
	an aspen 4 ins. diam., bears N. 89° E. 17 lks dist.
	mkd. T 2 S R 11 W S 21 B T.
	an aspen 4 ins. diam., bears S. 30° E. 32 lks dist.
	mkd. T 2 S R 11 W S 28 B T.
	an aspen 5 ins diam., bears S. 41° W. 58 lks dist.
	mkd. T 2 S R 11 W S 29 B T.
	an aspen 6 ins. diam., bears N. 34° W. 116 lks dist.
	mkd. T 2 S R 11 W S 20 B T.
	Land mountainous.
	Soil stony, 3rd rate.
	Timber pine and aspen.
	Mountainous land heavily timbered and covered with dense undergrowth 80.00 chs.
	July 17, at this cor. I set off 22° 11' N. on decl. arc. and at 0h.6m.p.M.l. m. t. observe the sun on mer. the resulting lat. is 40° 17½' N.

SUBDIVISION OF T. 2 S. R. 11 W. U. S. B. & M.

Chains.	
	S. 89° 57' E. on random line bet. secs. 21 and 28.
40.00	Set temp. ¼ sec. cor.
79.96	Intersect N. and S. line 7 lks N. of the cor of the secs. 21, 22, 27 and 28
	Thence I run
	N. 89° 54' W. on true line bet. secs. 21 and 28.
	Ascending through dense chokecherry brush and scattering pine timber.
5.00	Enter heavy pine, bear N. and S.
13.00	Leave pines, bear N. and S.
25.00	Ridge, bears N. and S.; desc.
39.50	Enter heavy aspen timber, bears N. and S.
39.98	Set cobble stone 25x14x12 ins., 19 ins. in ground for ¼ sec. cor. mkd. ¼ on N. face from which
	an aspen 12 ins. diam., bears N. 70° E. 11 lks. dist. mkd. ¼ S 21 B T.
	an aspen 4 ins. diam., bears S. 15° E. 21 lks dist. mkd. ¼ S 28 B. T.
45.30	Hollow, course SW.; asc.
75.00	Spur projects SW., desc.
79.96	The cor. of secs. 20, 21, 28 and 29.
	Land mountainous.
	Soil stony, 2nd. and 3rd rate.
	Timber pine and aspen.
	Mountainous and heavily timbered land 79.96 chs.

	N. 09° 03' W. bet. secs. 20 and 21.
	Descending over mountainous land through aspen timber and dense chokecherry brush.
6.70	Hollow, course SW.; over rolling ground.

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Chains.

28.50 Creek 3 lks wide, course SW.; asc.

37.70 Leave aspen, bear E. and W.

40.00 Set limestone 15x10x8 ins. 10 ins. in ground for ¼ sec. cor. mkd. ¼ on W. face from which

an aspen 14 ins. diam., bears S. 4° E. 240 lks dist. mkd. ¼ S 21 B.T.

an aspen 12 ins. diam., bears S. 8° W. 243 lks dist. mkd ¼ S 20 B.T.

Descend.

45.75 Ravine 150 ft. deep, course S. 20° W. enter heavy aspen timber, bears NE. and SW.; asc.

62.00 Spur projects SW.; desc.

80.00 Set an aspen post 3 ft. long, 4 ins. sq., 24 ins. in ground for cor. of secs. 16, 17, 20 and 21 mkd.

T 2 S S 16 on NE.

R 11 W S 21 on SE.

S 20 on SW.

S 17 on NW. face; with 3 notches on S. and 4 notches on E. edge from which

an aspen 14 ins. diam., bears N. 44° E. 43 lks dist. mkd. T 2 S R 11 W S 16 B.T.

an aspen 8 ins. diam., bears S. 76° E. 15 lks dist. mkd. T 2 S R 11 W S 21 B.T.

an aspen 7 ins diam., bears S. 47° W. 18 lks dist. mkd. T 2 S R 11 W S 20 B.T.

an aspen 8 ins. diam., bears N. 38° W. 77 lks dist. mkd. T 2 S R 11 W S 17 B.T.

Land mountainous.

Soil stony, 3rd rate.

Timber aspen.

SUBDIVISION OF T. 2 S. R. 11 W. U.S. B. & M.

Chains.	
	Mountainous land heavily timbered and covered with dense undergrowth 80.00 chs.
	S. 89° 54' E. on random line bet. secs. 16 and 21
40.00	Set temp. ¼ sec. cor.
79.94	Intersect N. and S. line 3 lks S. of the cor. of secs. 15 16, 21 and 22
	Thence I run
	N. 89° 55' W. on true line bet. secs. 16 and 21
	Ascending over mountainous land through dense sage and deer brush.
17.50	Ridge bears N. and S.; desc.
19.50	Conglomerate ledges 60 ft. high bear N. and S.
39.97	Set sandstone 18x12x8 ins., 12 in ground for ¼ sec. cor mkd. ¼ on N. face; raise mound of stone 2 ft. base, 1½ ft high N. of cor.
42.00	Head of a Hollow, course S. 30° W.; asc.
65.00	Spur ridge, bear NE. and SW. enter aspen timber, bear NE. and SW.; desc.
79.94	The cor of secs. 16, 17, 20 and 21.
	Land mountainous.
	Soil loam. and stony, 2nd and 3rd rate.
	Timber aspen.
	Mountainous land heavily timbered and covered with dense undergrowth 79.94 chs.
	July 17, 1904.
	July 18, at 7 hs. a. m. l. m. t. I set off 40° 18½' N. on lat. arc 21° 4' N. on decl arc and determine a mer, with the solar at the cor. of secs. 16, 17, 20, and 21.

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Chains.	
	Thence I run
	N.0°03' W. bet. secs. 16 and 17.
	Descending over mountainous land through heavy aspen timber.
1.00	Hollow, course SW.asc.
17.00	Spur projects SW.; leave aspen timber, bear NE. and SW.
	Desc.
40.00	Set cobble stone 12x8x6 ins. 8 ins. in ground for ¼ sec. cor. mkd. ¼ on W face; raise mound of stone 2 ft. base, 1½ ft. high W. of cor.
45.00	Ravine 800 ft. deep, course SW.; enter heavy aspen timber, bears NE. and SW.; asc.
76.75	Leave aspen timber, bear E. and W.
80.00	Set a porphyry stone 18x12x6 ins., 12 ins in ground for cor of secs 8, 9, 16 and 17 mkd. with 4 notches on S. and E. edges; raise mound of stone 2 ft. base, 1½ ft. high W. of cor. on S. side of mountain 1000 ft. above ¼ sec. cor.
	Land mountainous.
	Soil stony, 3rd and 4th rate.
	Timber aspen.
	Mountainous and heavily timbered land 80.00 chs.

	S. 89° 55' E. on random line bet. sec. 9 and 16.
40.00	Set temp. ¼ sec. cor.
80.14	In tersect N. and S. line 5 lks N. of the cor of secs. 9, 10, 15 and 16
	Thence I run
	N. 89° 53' W. on true line bet. secs. 9 and 16.
	Descending over mountainous land through heavy pine timber.
2.75	Ravine 300 ft. deep, course N.; asc.
9.00	Spur projects N.; desc.

SUBDIVISION OF T. 2 S. R. 11 W. U. S. B. & M.

Chains.	
14.00	Ravine 400 ft. deep, course N.
	Asc.
24.40	Ridge bears N. and S.
	Desc.
35.50	Head of ravine 200 ft. deep, course NW.
	Asc.
40.07	Set cobble stone 12x10x8 ins., 8 ins. in ground for ¼ sec cor mkd. ¼ on N. face; from which
	a pine 5 ins. diam., bears N. 89½° E. 66 lks dist.
	mkd. ¼ S 9 B T.
	a pine 10 ins. diam., bears S. 77 ° E. 59 lks dist.
	mkd. ¼ S 16 B T.
48.35	Leave heavy pine, bear NW. and SE.
51.00	Ridge, bears NW. and SE.
	Desc.
58.35	Saddle in ridge bears NW. and SE.
	Ascend along ridge.
75.50	Spur projects N. 80° W.
	Desc.
80.14	The cor. of secs. 8, 9, 16 and 17.
	Land mountainous.
	Soil stony, 2nd and 3rd rate.
	Timber pine.
	Mountainous and heavily timbered land 80.14 chs.
	N. 0°03' W. bet. secs. 8 and 9
	Ascending over mountainous country, through dense sage brush, bears NW. and SE.
	Ascend.

SUBDIVISION OF T. 2 S. R. 11 W. U. S. B. & M.

Chains.	
3.00	Ridge bears E.and W.;descend.
36.50	Ravine 500 ft. deep, course NW., enter heavy aspen timber bear NW. and SE.
	Asc.
40.00	Set sandstone 16x12x7 ins., 11 ins. in ground for ¼ sec. cor. mkd. ¼ on W. face from which
	an aspen 9 ins. diam., bears S. 38° E. 15 lks dist. mkd. ¼ S 9 B T.
	an aspen 12 ins. diam., bears N. 89° W. 11 lks dist. mkd. ¼ S. 8 B T.
43.00	Spur ridge, bears NW. and SE.; enter heavy pines, bear NW and SE.
	Desc.
50.00	Hollow, course NW.; leave pine timber, enter aspen timber, bear NW. and SE.
	Asc.
80.00	Set a sandstone 18x12x6 ins. 12 ins. in ground for cor. of secs. 4, 5, 8 and 9 mkd. with 5 notches on S.4 notches on E. edge from which
	an aspen 8 ins. diam., bears N. 88° E. 56 lks dist. mkd. T 2 S R 11 W S 4 BT
	an aspen 10 ins. diam., bears S. 35° E. 51 lks dist. mkd. T 2 S R11 W S 9 B T.
	an aspen 10 ins. diam., bears S. 31° W. 40 lks dist. mkd. T 2 S R 11 W S 8 B T.
	an aspen 7 ins. diam., bears N. 24° W. 51 lks dist. mkd. T 2 S R 11 W S 5 B T.
	Land mountainous.
	Soil stony, 3rd and 4th rate.
	Timber pine and aspen.

SUBDIVISION OF T 2 S. R. 11 W. U. S. B. & M.

Chains	
	Mountainous and heavily timbered land 80.00 chs.
	July 18, at this cor. I set off 21° 1⅓' N. on decl arc.
	and at 10 hs. 6m. p. m. l. m. t. observe the sun on the mer.
	the resulting lat. is 40° 20' N.
	S. 89° 53' E. on random line bet. secs. 4 and 9.
40.00	Set temp. ¼ sec. cor.
79.94	Intersect N. and S. line 7 lks S. of the cor of secs. 3,
	4, 9 and 10
	Thence I run
	N. 89° 56' W. on true line bet. secs.4 and 9.
	Ascending over mountainous land through heavy aspen timber.
11.50	Spur projects N. 40° E.
	Desc.
33.20	Hollow 300 ft. deep, course NE,
	Asc.
39.97	Set sandstone 15x10x8 ins., 10 ins. in ground for ¼ sec.
	cor mkd. ¼ on N. face. from which
	an aspen 5 ins diam., bears N. 50° E 69 lks dist.
	mkd ¼S 4 B T.
	an aspen 7 ins. diam., bears S. 43° W. 84 lks dist.
	mkd. ¼ S 9 B T.
75.40	Spur ridge, bears N. 30° W. and S. 30° E.
	Desc.
79.94	The cor. of secs. 4, 5, 8 and 9.
	Land mountainous.
	Soil stony 3rd rate.
	Timber aspen.
	Mountainous and heavily timbered land 79.94 chs.

SUBDIVISION OF T. 2 S., R. 11 W., U. S. B. & M.

Chains.	
	N. 0°03' W. bet. secs. 4 and 5, on a random line,
40.00	Set temp. ¼ sec. cor.
80.04	Intersect N. bdy. of Tp. 16 lks E. of the cor. of secs. 4 5, 32 and 33 previously described
	Thence I run
	S. 0°10° E. on true line bet. secs. 4 and 5.
	Ascending through heavy aspen timber and dense chokecherry and brier brush.
22.00	Ridge, bears E. and W.
	Desc.
40.04	Set sandstone 18x10x5 ins., 12 ins. in ground for ¼ sec. cor. mkd. ¼ on W. face; from which
	an aspen 6 ins. diam., bears N. 59° E. 20 lks dist. mkd. ¼ S 4 B T.
	an aspen 10 ins. diam., bears N. 69° W. 33 lks dist. mkd. ¼ S 5 B T.
47.20	Ravine 700 ft. deep, course E.
	Asc.
73.00	Ridge, bears NW. and SE.
	Desc.
80.04	The cor. of secs. 4, 5, 8 and 9.
	Land mountainous.
	Soil stony, 3rd rate.
	Timber aspen.
	Mountainous land heavily timbered land covered with dense undergrowth 80.04 chs.

July 18, 1904

SUBDIVISION OF T. 2 S. R. 11 W. U. S. B. & M.

Chains.	
	July 19, at the cor. of secs. 5, 6, 31 and 32 on S. bdy of T 2 S R 11 W previously described I set off 40° 16' N. on lat. arc. 20° 53½' N. on decl. arc. and at 7 h. a. m l. m. t. determine a mer. with the solar.
	Thence I run.
	N. 0°04' W. bet. secs. 31 and 32.
	Ascending over mountainous land through dense sage brush.
37.30	Spur projects SW.
	Desc.
40.00	Set sandstone 16x10x7 ins., 11 ins. in ground for ¼ sec. cor mkd ¼ on W face; raise mound of stone 2 ft. base, 1½ ft. high, W. of cor.
42.90	Hollow, drains, SW. Asc. through dense sage brush and scattering aspen timber.
80.00	Set cobble stone 13x12x9 ins. 9 ins. in ground for cor of secs. 29, 30, 31 and 32 mkd. with 1 notch on S. and 5 notches on E. edge from which
	an aspen 4 ins. diam bears N. 55½° E. 112 lks dist. mkd. T 2 S R 11 W S 29 B T.
	an aspen 5ins. diam., bears S. 25½° E. 101 lks dist. mkd. T 2 S R 11 W S 32 B T.
	an aspen 4 ins. diam., bears N. 38° W. 73 lks dist. mkd. T 2 S R 11W S 30 B T.
	No other trees within limit; raise mound of stone 2 ft. base, 1½ ft. high W. of cor.
	Land mountainous, and rolling.
	Soil stony, 2nd and 3rd rate.
	Timber. aspen.
	Mountainous land and land covered with dense undergrowth 80.00 chs.

SUBDIVISION OF T. 2 S. R. 11 W. U. S. B. & M.

Chains	
	S. 89° 53' E. on random line bet. secs. 29 and 32.
40.00	Set temp. ¼ sec. cor.
79.94	Intersect N. and S. line 12 lks. N. of the cor. of secs. 28, 29, 32 and 33.
	Thence I run
	N. 89° 48' W. on true line bet. secs. 29 and 32.
	Descending over mountainous land through scattering aspen timber and dense chokecherry brush.
24.50	Ravine 500 ft. deep, course SW.
	Asc.
34.50	Spur projects S.
	Desc.
39.97	Set cobble stone 16x10x5 ins. 11 ins. in ground for ¼ sec. cor. mkd. ¼ on N. face from which
	an aspen 4 ins. diam., bears N. 50° W. 14 lks dist. mkd. ¼ S 29 B T.
	an aspen 4 ins. diam., bears S. 61° E. 13 lks dist. mkd. ¼ S. 32 B T.
41.75	Ravine 600 ft. deep, course S.
	Asc.
57.00	Spur projects S. 20° W.
	Desc.
79.94	The cor. of secs. 29, 30, 31 and 32.
	Land mountainous
	Soil stony, 2nd and 3rd rate.
	Timber aspen.
	Mountainous land covered with dense undergrowth 79.94 chs.

	N. 89° 53' W. on random line bet. secs. 30 and 31
40.00	Set temp. ¼ sec. cor.

SUBDIVISION OF T. 2 S., R. 11 W., U. S. B. & M.

Chains.	
78.94	Intersect W. bdy. of Tp. 5 lks. N. of the cor. of secs. 25, 30, 31 and 36 previously described
	Thence I run
	S. 89° 55' E. on true line bet. secs. 30 and 31.
	Ascending through dense sage and deer brush.
5.00	Enter dense black willows and scattering aspen, bear N. 20° E. and SW.
5.55	Top of ridge, bears N. and S., leave willows, bear N. and S. Desc.
7.00	Leave aspen, enter dense chokecherry and deer brush, bear N. and S.
18.00	Foot of ridge, enter rolling bottom land, leave chokecherry, enter dense sage brush.
22.00	Co-op Creek 7 lks. wide, course SE.
26.00	Co-op Creek 8 lks wide, course S.
38.94	Set sandstone 12x8x8 ins. 8 ins. in ground for ¼ sec. cor mkd. ¼ on N. face; raise mound of stone 2 ft. base, 1½ ft. high N. of cor.
48.00	Leave bottom land, asc. over broken ground, enter scattering aspen bears N. and S.
78.94	The cor. of secs. 29, 30, 31 and 32.
	Land rolling and mountainous.
	Soil gravelly, 1st and 2nd rate.
	Timber aspen.
	Mountainous land and land covered with dense undergrowth 78.94 chs.
	July 19, at this cor. I set off 20° 50½' N. on decl arc and at 0 h. 6m p. m. l. m. t. observe the sun on the mer. the resulting lat. is 40° 17' N.

SUBDIVISION OF T. 2 S. R. 11 W. U. S. B. & M.

Chains	
	N. 09°04' W. bet. secs. 29 and 30.
	Desc. over mountainous land through dense sage brush, and scattering aspen timber.
23.00	Enter heavy small aspen, bear E. and W.
25.00	Leave aspen bear E. and W.
36.00	Creek 2 lks wide, course S. 50° W.; enter dense willows, bears NE. and SW.
40.00	Set sandstone 18x12x4 ins., 12 ins. in ground for ¼ sec. cor. mkd. ¼ on W. face; raise mound of stone 2 ft. base, 1½ ft high W. of cor.
	Asc.
40.50	Leave willows, enter dense scrub aspen, bear NE. and SW.
43.00	Leave small willows, bear NE. and SW; enter dense choke-cherry and deer brush, bear E. and W.
71.50	Creek 2 lks wide, course W.
76.00	Creek 2 lks wide, course W. Enter heavy Aspen, bears E and W.
80.00	Set aspen post 3 ft. long, 4 ins. sq., 24 ins. in ground for cor. of secs. 19, 20, 29 and 30, mkd.

T 2 S S 20 on NE.

R 11 W S 29 on SE.

S 30 on SW. and

S 19 on NW. face, with 2 notches on S. and 5 on E. edges; from which

an aspen 12 ins. diam., bears N. 11½° E. 66 lks dist. mkd. T 2 S R 11 W S 20 B T.

an aspen 10 ins. diam., bears S. 66½° E. 17 lks dist. mkd. T 2 S R 11 W S 29 B T.

an aspen 14 ins. diam., bears S. 64° W. 35 lks dist. mkd. T 2 S R 11 W S 30 B T.

an aspen 8 ins. diam., bears N. 13½° W. 75 lks dist. mkd. T 2 S R 11 W S 19 B T.

Chains.	
	Land mountainous.
	Soil stony, 2nd and 3rd rate.
	Timber aspen.
	Mountainous and heavily timbered land covered with dense undergrowth 80.00 chs.
	S. 89° 48' E. on random line bet. secs. 20 and 29.
40.00	Set temp. ¼ sec. cor.
79.92	Intersect N. and S. line 5 lks. S. of the cor of secs. 20, 21, 28 and 29.
	Thence I run
	N. 89° 50' W. on true line bet. secs. 20 and 29
	Descending through heavy aspen timber.
12.80	Ravine 700 ft. deep, course S. 10° W.
	Asc.
26.84	Ridge bears N. 20° E. and S. 10° W.; leave aspen, enter dense brush, bear N. and S, desc. over ledges, bear N. 12° E. and S. 12° W.
31.00	Enter aspen, bear N. and S.
39.96	Set cobble stone 13x10x7 ins., 9 ins. in ground for ¼ sec cor. mkd. ¼ on N. face; from which
	an aspen 5 ins. diam., bears N. 51½° E. 28 lks dist. mkd. ¼ S 20 B T.
	an aspen 4 ins. diam., bears S. 31° E. 11 lks dist. mkd. ¼ S. 29 B T.
43.40	Shallow lake bears NW., S. 10° E. extends 1 ch. N. of line.
47.00	Leave lake, bears NW. and SE.
48.00	Steep descent.
79.92	The cor. of secs. 19, 20, 29 and 30.
	Land mountainous.

SUBDIVISION OF T. 2 S. R. 11 W. U. S. B. & M.

Chains	
	Soil stony and loam, 1st and 4th rate.
	Timber aspen.
	Mountainous and heavily timbered land covered with dense undergrowth 79.92 chs.
	N. 89° 55' W. on random line bet. secs. 19 and 30.
40.00	Set temp. ¼ sec. cor.
78.84	Intersect W. bdy. of Tp. 4½ lks S. of the cor. of secs. 19, 24, 25 and 30 previously described.
	Thence I run
	S. 89° 53' E. on true line bet. secs. 19 and 30.
	Descending over mountainous land through dense sage brush.
1.12	Enter dense willows, bear N. and S.
13.65	Co-op Creek 10 lks wide, course S.
	Asc.
15.20	Leave willows, bear N. and S.
21.10	Creek 4 lks wide, course SW.; enter dense willow, bear NE. and SW.
22.15	Leave willows, bear NE. and SW.
30.00	Begin very steep ascent.
33.20	Enter heavy aspen timber and dense chokecherry brush, bear NE. and SW.
38.84	Set cobble stone 16x12x8 ins. 11 ins in ground for ¼ sec. cor. mkd. ¼ on N. face from which
	an aspen 12 ins. diam., bears N. 24½° W. 17 lks dist. mkd. ¼ S 19 B T.
	an aspen 6 ins. diam. bears S. 43½° E. 21 lks dist. mkd. ¼ S 30 B T.
46.84	Leave aspen and chokecherry, bear N. and S.
60.00	Spur projects S. 15° W.
	Desc.

Chains.	
65.50	Enter heavy aspen timber and dense chokecherry brush, bear NW. and SE.
73.75	Leave aspen, enter willows, bear NE. and SW.
74.00	Creek 2 lks. wide, in ravine 200 ft. deep, course S. 30° W. Asc.
76.80	Leave willows, enter aspen, bear N. 30° E. and S. 30° W.
78.84	The cor. of secs. 19, 20, 29 and 30.
	Land mountainous.
	Soil stony, 2nd and 3rd rate.
	Timber aspen.
	Mountainous and heavily timbered land covered with dense undergrowth 78.84 chs.
	July 19, 1904.

July 20, at 7 hrs. a.m. m. l. m. t. I set off 40° 17½' N. on lat arc. 20° 42½' N. on decl. arc. and determine a mer. with the solar at the cor. of secs. 19, 20, 29, and 30.

Thence I run

N. 0.°04' W. bet. secs. 19 and 20.

Descending over mountainous land through heavy aspen timber and dense chokecherry brush.

5.50	Bog, bears E. and W.
9.25	Spring branch 2 lks. wide, in ravine 300 ft. deep, course SW. Leave bog bears SW. and N. 50.°E. Asc.
14.00	Leave aspen, bear E. and W.
22.50	Spur, bears SW. desc. along W. slope of mountain.
25.40	Enter heavy aspen, bear E. and W.
40.00	Set sandstone 14x10x6 ins., 10 ins. in ground for ¼ sec. cor. [illegible] on N. line

SUBDIVISION OF T. 2 S. R. 11 W. U. S. B.&. M.

Chains.	
	cor., mkd. ¼ on W. face from which
	an aspen 14 ins. diam., bears N. 23½° W. 11 lks dist. mkd. ¼ S 19 B T.
	an aspen 14 ins. diam., bears S. 41° E. 12 lks dist. mkd. ¼ S 20 B T.
51.00	Creek 5 lks wide, in ravine 500 ft. deep, course SW.
	Asc.
62.30	Spur projects SE. along broken E. slope.
75.00	Leave aspen, bear E. and W.
80.00	Set sandstone 18x10x8 ins. 12ins. in ground for cor. of secs. 17, 18, 19 and 20 mkd. with 3 notches on S. and 5 notches on E. edge; raise mound of stone 2 ft. base, 1½ ft. high W. of cor.
	Land mountainous.
	Soil stony, 2nd and 3rd rate.
	Timber aspen.
	Mountainous land heavily timbered and covered with dense undergrowth 80.00 chs.

S. 89° 50' E. on random line bet. secs. 17 and 20.

40.00	Set temp. ¼ sec. cor.
80.04	Intersect N. and S. line 7 lks S. of the cor. of secs. 16, 17, 20 and 21.
	Thence I run
	N. 89° 53' W. on true line bet. secs. 17 and 20.
	Asc. over mountainous land through heavy aspen timber and dense chokecherry brush.
2.00	Draw course SW.
18.50	Spur projects SW.
	Desc.
33.00	Draw, course S. 10° W.

SUBDIVISION OF T. 2 S., R. 11 W., U. S. B. & M.

Chains.	
	Asc.
40.02	Set aspen post 3 ft. long 4 ins sq., 24 ins. in ground for ¼ sec. cor. mkd. ¼ S 17 on N. face, 20 on S. face from which an aspen 10 ins. diam., bears N. 34½° W. 22 lks dist. mkd. ¼ S 17 B T. an aspen 11 ins. diam., bears S. 22° W. 17 lks dist. mkd. ¼ S 20 B T.
43.00	Spur ridge, bears N. 48° E. and S. 30° W.
	Desc.
70.00	Leave aspen timber, bears NE. and SW., enter willow.
70.50	Creek 7 lks wide in ravine 450 ft. deep, course SW.
	Asc.
71.00	Leave willows, bear NE. and SW.
71.50	Begin steep ascent.
80.04	The cor. of secs. 17, 18, 19 and 20.
	Land mountainous.
	Soil stony, 3rd rate.
	Timber aspen.
	Mountainous and heavily timbered land covered with dense undergrowth 80.04 chs.

	N. 89° 53' W. on random line bet. secs. 18 and 19.
40.00	Set temp. ¼ sec. cor.
78.75	Intersect W. bdy. of Tp. 2½ lks N. of the cor. of 13, 18, 19 and 24., previously described.
	Thence I run
	S. 89° 54' E. on true line bet. secs. 18 and 19.
	Descending through heavy aspen timber and dense chokecherry brush.

SUBDIVISION OF T. 2 S. R. 11 W. U. S. B. & M.

Chains.	
30.00	Co-op Creek, 10 lks wide, in ravine 700 ft. deep, course S. enter heavy pine timber, bear N. and S.
	Asc.
38.75	Set sandstone 12x12x6 ins., 8 ins. in ground for ¼ sec. cor. mkd. ¼ on N. face; from which
	a pine 15 ins. diam. bears N. 28° E. 30 lks dist. mkd. ¼ S 18 B T.
	a pine 16 ins. diam., bears S. 30° E. 19 lks dist. mkd. ¼ S 19 B T.
50.00	Spur projects NW.
	Desc.
52.15	Creek 2 lks wide in ravine 300 ft. deep, course NW.
	Asc.
53.75	Leave pine, bear NW. and SE.
56.00	Leave aspen timber, bear NE. and SW.; asc. through dense chokecherry brush.
64.00	Enter heavy aspen timber, bears NE. and SW.
75.60	Ridge, bears NE. and SW. leave aspen timber, bears with ridge.
	Desc.
78.75	The cor. of secs. 17, 18, 19 and 20.
	Land mountainous.
	Soil, stony, 3rd rate.
	Timber aspen and pine.
	Mountainous and heavily timbered land, covered with dense undergrowth 78.75.
	July 20, at this cor. I set off 20° 39' N. on decl. arc. and at 9h.6m.p.m. l. m. t. observe the sun on the mer. the resulting lat. is 40° 18½' N.

SUBDIVISION OF T. 2 S. R. 11 W. U. S. B. & M.

Chains	
	N. 0°04' W. bet. secs. 17 and 18.
	Ascending over mountainous land through dense chokecherry and deer brush.
5.00	Top of spur ridge, bears NE. and SW. Spur projects N. 60° W.
	Desc.
20.00	Spring branch 2 lks. wide, in ravine 500 ft. deep, course W.
	Asc.
30.00	Spur projects S. 60° W. enter aspen timber bears N. 60° E and S. 60° W.
	Desc.
40.00	Set aspen post 3 ft. long, 4 ins. sq., 24 ins. in ground for ¼ sec. cor. mkd. ¼ S 18 on W. face and ¼ 17 on E. face; from which
	an aspen 6 ins. diam., bears N. 8° W. 71 lks dist.
	mkd. ¼ S 18 B T.
	an aspen 4 ins. diam., bears S. 65° E. 36 lks dist.
	mkd. ¼ S 17 B T.
42.00	Ravine 200 ft. deep, course S. 50° W.
	Asc.
57.00	Spur projects S. 80° W. leave aspen timber, enter dead and fallen timber, bears N. 80° E. and S. 80° W.
	Desc.
70.50	Ravine 500 ft. deep, course W. leave dead and fallen timber and enter heavy aspen timber, bears E. and W. Ascend.
80.00	On ridge bears NE. and SW.
[illegible]	Set cobble stone 15x9x8 ins. 10 ins. in ground for [illegible] cor. of secs. 7, 8, 17 and 18. mkd. with 4 notches on S. and 5 notches on E edge; from which
	an aspen 5 ins. diam., bears N. 39° E. 35 lks dist.
	mkd. T 2 S R 11 W S 8 B T.

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chains.	
	an aspen 5 ins. diam., bears S. 15° E. 9 lks dist. mkd. T 2 S R 11WS 17 B T.
	an aspen 4 ins. diam., bears S. 32° W. 33 lks dist. mkd. T 2 S R 11 W S 18 B T.
	an aspen 6 ins. diam., bears N.15° W. 45 lks dist. mkd T 2 S R 11 W S 7 B T.
	Land mountainous.
	Soil stony, 3rd rate.
	Timber aspen.
	Mountainous and heavily timbered land covered with dense undergrowth and fallen timber. 80.00 chs.

	S. 89° 53' E. on random line bet. secs. 8 and 17.
40.00	Set temp. ¼ sec. cor.
79.96	Intersect N. and S. line 9½ lks S. of the cor. of secs. 8, 9, 16 and 17
	Thence I run
	N. 89° 57' W. on true line bet. secs. 8 and 17.
	Along broken S. slope through dense chokecherry and deer brush.
18.00	Spur projects S. 60° W.
	Desc. over mountainous land enter heavy aspen timber, bears NW. and SW.
39.98	Set sandstone 18x9x6 ins. 12 ins. in ground for ¼ sec. cor. mkd. ¼ on N. face from which
	an aspen 4 ins. diam., bears N. 32° E. 56 lks dist. mkd. ¼ S 8 B T.
	an aspen 5 ins. diam., bears S. 40° E. 78 lks dist. mkd. ¼ S 17 B T.
79.96	The cor. of secs. 7, 8, 17 and 18.
	Land mountainous.

Chains.	
	Soil stony, 3rd rate.
	Timber aspen.
	Mountainous land heavily timbered and covered with dense undergrowth 79.96 chs.
	N. 89° 54' W. on random line bet. secs. 7 and 18.
40.00	Set temp. ¼ sec. cor.
78.65	Intersect W. bdy of Tp. 7 lks N. of the cor of secs. 7, 12, 13 and 18 previously described.
	Thence I run
	S. 89° 57' E. on true line bet. secs. 7 and 18.
	Ascending over mountainous land through heavy aspen timber.
6.00	Ridge, bears N. and S.
	Desc.
38.65	Set cobble stone 15x8x5 ins., 10 ins. in ground for ¼ sec. cor mkd. ¼ on N. face from which
	an aspen 10 ins. diam., bears N. 52° E. 46 lks dist. mkd. ¼ S 7 B T.
	an aspen 15 ins. diam., bears S. 15° E. 51 lks dist. mkd. ¼ S 18 B.T.
45.50	Co-op Creek 5 lks wide in ravine 700 ft. deep, course S.
	Asc.
60.00	Spur projects SW.
	Desc.
72.00	Ravine 300 ft. deep, course SW.
	Asc.
78.65	The cor. of secs. 7, 8, 17 and 18.
	Land mountainous.
	Soil stony, 2nd and 3rd rate.
	Timber aspen.
	Mountainous and heavily timbered land 78.65 chs.

SUBDIVISION OF T. 2 S. R. 11 W. U. S. B. & M.

Chains.	July 20, 1904.
	July 21, at 7 h. a. m. l. m. t. I set off 40° 19½' N. on lat. arc 20° 31' N. on decl. arc and determine a mer. with the solar at the cor. of secs. 7,8,17, and 18.
	Thence I run.
	N. 0.04' W. bet secs. 7 and 8.
	Descending over mountainous land through heavy aspen and dead and fallen timber.
7.00	Head of ravine, course SW.
	Asc.
15.00	Spur projects SW.
	Desc.
35.00	Spring branch 2 lks wide, in ravine 300 ft deep, course SW.
	Asc.
38.70	Spur projects SW.
	Desc.
40.00	Set quartzite stone 12x9x6 ins., 8 ins in ground for ¼ sec. cor. mkd. ¼ on W. face from which
	a pine 14 ins. diam., bears N. 77° E 32 lks dist. mkd. ¼ S 8 B T.
	a pine 10 ins. diam., bears S. 51° W. 26 lks dist. mkd. ¼ S 7 B T.
48.00	Creek 4 lks wide, in ravine 300 ft deep, course SW.
	Asc.
80.00	Set quartzite stone 15x10x8 ins., 10 ins. in ground for cor of secs. 5, 6, 7 and 8. mkd. with 5 notches on S. and E edges from which
	an aspen 4 ins. diam., bears N. 55° E. 10 lks dist. mkd. T 2 S R 11 W S 5 B T.

SUBDIVISION OF T. 2 S. R. 11 W. U. S. B. & M.

Chains.	
	an aspen 7 ins. diam., bears S. 14° E. 63 lks dist.
	mkd. T 2 S R 11 W S 8 B T.
	an aspen 4 ins. diam., bears S. 45° W. 3 lks dist.
	mkd. T 2 S R 11 W S 7 B T.
	an aspen 6 ins. diam., bears N. 49° W. 63 lks dist.
	mkd. T 2 S R 11 W S 6 B T.
	Land mountainous.
	Soil stony, 2nd and 3rd rate..
	Timber aspen.
	Mountainous and heavily timbered land 80.00 chs.
	S. 89° 57' E. on random line bet. secs. 5 and 8.
40.00	set temp. ¼ sec. cor.
79.98	Intersect N. and S. line 7 lks N. of the cor. of secs. 4, 5, 8 and 9..
	Thence I run
	N. 89° 54' W. on true line bet. secs. 5 and 8.
	Descending over mountainous land through heavy aspen timber.
18.00	Ravine 200 ft. deep, course NW.
	Asc.
39.99	On a spur ridge, bears NE. and SE.
	Set quartzite stone 16x7x4 ins. 11 ins in ground for ¼ sec cor. mkd. ¼ on N. face from which
	a pine 5 ins. diam., bears N. 12° E. 72 lks dist.
	mkd. ¼ S 5 B T.
	an aspen 8 ins. diam., bears E. 30° W. 98 lks dist.
	mkd. ¼ S 8 B T.
	Descend.
60.00	Spring branch, 2 lks wide, course SW, in ravine 250 ft. deep.
	Asc.

SUBDIVISION OF T. 2 S. R. 11 W. U. S. B. & M.

Chains.	
68.75	Spur projects SE.
	Desc.
70.50	Hollow, course SE.
	Asc.
79.98	The cor. of secs. 5, 6, 7 and 8.
	Land mountainous.
	Soil stony, 3rd rate.
	Timber aspen.
	Mountainous and heavily timbered land 79.98 chs.
	N. 0°04' W. on random line bet. secs. 5 and 6.
40.00	Set temp. ¼ sec. cor.
80.02	Intersect N. bdy. of Tp. 18½ lks E. of the cor. of secs. 5, 6, 31 and 32 previously described.
	Thence I run
	S. 0°12' E. on true line bet. secs. 5 and 6.
	Descending over mountainous land through heavy aspen and dense chokecherry brush.
16.00	Hollow, course SW.
	Asc.
22.00	Ridge, bears NE. and SW.
	Desc.
30.00	Hollow, course SW.
	Asc.
40.02	Set a quartzite stone 12x10x5 ins., 8 ins. in ground for ¼ sec. cor mkd. ¼ on W. face; from which
	an aspen 6 ins. diam., bears N. 77° E. 95 lks dist. mkd. ¼ S 5 B T.
	an aspen 7 ins. diam., bears N 58° W. 29 lks dist.

Chains.	
	mkd. ¼ S 6 B T.
43.00	Spur projects SW.
	Desc.
50.00	Hollow, course SW.
	Asc.
58.00	Spur projects SW.
	Desc.
64.00	Hollow, course SW.
	Asc.
72.00	Spur projects SW.
	Desc.
80.02	The cor. of secs. 5, 6, 7 and 8.
	Land mountainous.
	Soil stony, 3rd and 4th rate.
	Timber ash, fir.
	Mountainous and heavily timbered land, covered with dense
	undergrowth 80.02 chs.
	July 21, at this cor. I set off 20° 28' N. on decl. arc
	and at 10 h. 6m. p. m. l. m. t. observe the sun on the mer.
	the resulting lat. is 40° 20' N.

	N. 89° 57' W. on random line bet. secs. 6 and 7.
40.00	Set temp. ¼ sec. cor.
78.53	Intersect W. bdy of Tp. 9 lks S. of the cor. of secs. 1,
	6, 7 and 12
	Thence I run
	S. 89° 53' E. on true line bet. secs. 6 and 7.
	Descending over mountainous land through dense chokecherry
	and deer brush.
3.00	Ridge bears N. and S.
22.00	Co-op Creek 7 lks wide in canon 800 ft. deep, course S. 30° E.

SUBDIVISION OF T. 2 S. R. 11 W. U. S. B. & M.

Chains.	
	Asc.
34.00	Top of knoll, bears N. and S.
	Desc., enter aspen timber, bear N. and S.
38.53	Set limestone 16x12x9 ins. 11 ins. in ground for ¼ sec. cor mkd. ¼ on N. face from which
	an aspen 4 ins. diam., bears N. 5° E. 241 lks dist. mkd. ¼ S 6 B T.
	an aspen 4 ins. diam., bears S. 5° E. 5 lks dist. mkd. ¼ S 7 B T.
44.75	Ravine 300 ft. deep, course SW.
	Asc.
70.25	Ridge, bears NE. and SW.
	Desc.
78.53	The cor. of secs. 5, 6, 7 and 8.
	Land mountainous.
	Soil stony, 2nd and 3rd rate.
	Timber aspen.
	Mountainous land heavily timbered and covered with dense undergrowth 78.53 chs.

July 21, 1904.

General Description.

This township is mountainous through out; and the soil generally is quite stony, but capable of producing abundant vegetation, and therefore quite valuable as grazing land, though it is of too mountainous a character to permit of its being farmed.

Pine and aspen timber grow very heavy on both sides of the high mountain range, which extends across the township from N. to S., but large quantities of the most valuable timber have been killed and destroyed by forest fires, which have swept over vast areas. There is some

pine timber left, which would make good saw timber, but the aspen is of little value.

There is an abundance of water in the township, though in some places the water flows only part of the year.

There is no mineral, and there are no settlers in the this township.

At present the land in this township is some what over stocked with sheep and cattle. Most all the cattle and sheep for which grazing permits have been issued are being kept in the western portion of the reservation.

James M Lewis

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 final affidavits see book "P" T.1 S.R.12 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 .....

For final affidavits see book "P" T.1 S.R.12 W., *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 "P" T.1 S.R.12 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; and should any fraud be detected, I will suffer the penalty of perjury under the provisions of an Act of Congress approved August 8, 1846.

.....

United States Deputy Surveyor.

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

SEAL

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, December 31, 1904.

The foregoing field notes of the survey of the Subdivisional lines of Township No. 2 South, Range No. 11 West, of the Uintah Special Base and Meridian, Utah

executed by James M. Lentz under his contract No. 280, dated July 22, 1903, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Edward M. Anderson

United States Surveyor General.

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

.....

United States Surveyor General.

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Ex. Z. B.

4—679.

BOOK A-315

FILED
OCT 31 1904

J.

FIELD NOTES

OF THE SURVEY OF THE

a.c.

North Boundary
of
Township No. 2. South
Range No. 12 West

Of the Uintah Special Base and Meridian,
In the State of Utah

AS SURVEYED BY

James M. Lentz, United States Deputy Surveyor,

Under his Contract No. 280, dated July 22nd, 1903.

Survey commenced July 21, 1904

Survey completed July 22, 1904

6—151

high 3.38.95
clay 15.24

BOOK A-315

NAMES AND DUTIES OF ASSISTANTS.

William Longenecker Chainman
Samuel M. Ballard "
Dexter A. McBride Roundman
John N. Carroll "
Lawrence Swan "
David J. Marchant Flagman

For preliminary affidavits see book "B" T.4 S.R.12 W.

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Volume
#
R0315

BOOK A-315

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

Meanders Page.....

BOOK A-315

PRELIMINARY OATHS OF ASSISTANTS.

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

_____

_____, *Chainman.*

_____, *Chainman.*

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

NORTH BOUNDARY OF T. 2 S. R. 12 W. U. S. B. & M.

Survey commenced July 21, and executed with the instrument described in book "A" of this survey. I begin at the cor. of Tps. 1 and 2 S. Rs. 11 and 12 W. previously described. I examine the adjustments of the transit and find them correct. Then in order to test the adjustments of the solar apparatus by comparing the results of solar observation made during p. m. and a. m. hrs. with a true mer. determined by observation on Polaris, I proceed as follows:

At 5 hr. p. m. l. m. t. I set off 20° 27' N. on decl. arc 40° 21' N. on lat arc and determine a mer. with the solar, and mark the mer. thus determined by a cross cut on a stone firmly set in the ground 5 chs. N. of the instrument.

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

July 21, 1904.

July 22, at 6 hr. a. m. l. m. t. I lay off the azimuth of Polaris 1° 34⅓' to the W. The mer. thus determined falls on a pole held on the point cut in the stone set July 21, to mark the mer. determined by p. m. solar observation.

AT 7 hr. a. m. l. m. t. I set off 40° 21' N. on lat. arc, 20° 19⅓' N. on decl arc and determine a mer with the solar, the mer. thus determined falls on a pole held on a point cut in stone to mark the mer. determined by p. m. observation and tested by observation on Polaris.

The solar apparatus by p. m. and a. m. observations defines the same position for meridans as that determined

Chains.	
	by observation on Polaris, therefore I conclude that the adjustments of the instrument are correct.
	The magnetic bearing of the mer. at 7 hs. 30m. a. m. l. m. t. is N. 17° W.; the angle thus determined gives the magnetic decl. 17° E.
	From the Tp cor. above described I run W. on true line bet. secs. 1 and 36.
	Ascending over mountainous land through heavy aspen, pine and fallen timber.
12.50	Spur projects N.
	Desc.
40.00	Set aspen post 3 ft. long, 3 ins. sq., 24 ins in ground for ¼ sec. cor. mkd. ¼ S 36 on N. face, and 1 on S. face; from which
	an aspen 4 ins. diam., bears N. 44° E. 61 lks dist. mkd. ¼ S 36 B T.
	an aspen 4 ins. diam., bears S 10½° E. 75 lks dist. mkd. ¼ S 1 B T.
51.52	Ravine 700 ft. deep, course SW.
	Asc.
54.00	A canal, course SW.
72.60	Ridge, bears N. 20° E. and S. 20° W.
	Desc.
80.00	Set limestone 14x8x5 ins., 10 ins. in ground for cor of secs. 1, 2, 35 and 36 mkd. with 1 notch on E. and 5 notches on W. edge, from which
	an aspen 5 ins. diam., bears N. 25° E. 55 lks dist. mkd. T 1 S R 12 W S 36 B T.
	an aspen 5 ins. diam., bears S 6° E. 160 lks dist. mkd. T 2 S R 12 W S 1 B T.
	an aspen 8 ins. diam., bears S. 23° W. 113 lks dist. mkd T 2 S R 12 S 2 B T.

NORTH BOUNDARY OF T. 2 S. R. 12 W. U. S. B. & M.

Chains.	
	an aspen 4 ins. diam., bears N 22° W. 138,1ks dist. mkd. T 1 S R 12 W S 35 B T.
	Land mountainous.
	Soil stony, 3rd rate.
	Timber aspen.
	Mountainous and heavily timbered land 80.00 chs.
	W. bet. secs. 2 and 35.
	Descending over mountainous land through heavy aspen and fallen timber.
24.00	Ravine 300 ft. deep, course NW. and canal water from over a pass about 25 chs. S.; leave aspen timber, bear NW. and SE. Asc.
40.00	Set sandstone 12x10x6 ins. 8 ins. in ground for ¼ sec. cor. mkd. ¼ on N. face; raise a mound of stone 2 ft. base, 1½ ft. high N. of cor.
44.00	Leave fallen timber, bear N. and S.; enter dense chokecherry and deer brush.
50.70	Ridge, bears N. 10° W. and S. 10° E. Enter heavy aspen timber, leave chokecherry and deer brush, bear N. and S. Desc.
76.50	Leave aspen timber, bears N. and S.
78 00	Mouth of the ravine, course NW. enter dense willows, bear NW. and SE. Asc.
80.00	set limestone 16x9x6 ins., 11 ins in ground for cor. of secs. 2, 3, 34 and 35 mkd. with 2 notches on E. and 4 notches on W. edge; from which an aspen 5 ins. diam., bears S. 88° E. 170 lks dist. mkd. T 2 S R 12 W S 2 B T.

NORTH BOUNDARY OF T. 2 S. R. 12 W. U. S. B. & M.

Chains.	
	an aspen 5 ins. diam., bears S. 11 ° W. 97 lks dist. mkd. T 2 S R 12 W S 3 B T.
	No other trees within limit; raise mound of stone 2 ft. base, 1½ ft. high W. of cor.
	Land mountainous.
	Soil stony, 3rd rate.
	Timber aspen.
	Mountainous and heavily timbered land covered with undergrowth and fallen timber 80.00 chs.
	W. bet. secs. 3 and 34.
	Through dense willows in bottom of ravine.
1.50	Burkman Creek 3 lks wide in ravine 500 ft. deep, course SW.
	Asc.
2.50	Leave willows and bottom, bear NE. and SW.
8.65	Irrigating canal, course S. 30° W.
	Limestone ledges, bear N. and S.
13.00	Enter heavy aspen timber, bear N. and S.
22.00	Spur projects N.
	Desc.
25.60	Irrigating canal, course N. leave aspen, bears N. and S.
40.00	Set cobble stone 15x10x8 ins., 10 ins. in ground for ¼ sec. cor. mkd. ¼ on N. face; raise mound of stone 2 ft. base, 1½ft. high N. of cor.
40.50	Left fork of Strawberry River, 5 lks wide, course S. in canon 500 ft. deep; willows 2 chs. wide in bottom of canon.
	Asc.
51.45	Road, bears NE. and SW. enter heavy aspen, bear N. and S.
53.00	Creek 3 lks. wide, course S.

NORTH BOUNDARY OF T.2 S., R.12 W., U.S.B.& M.

CHAINS	
55.55	Road, bears NW. and SE.
67.45	Canal, course SW.
73.50	Canal, course NW.
75.50	Canal, course SW.
80:00	Set a sandstone 15x8x8 ins. 10 ins. in the ground, for cor. of secs. 3-4-33 and 34, mkd. with 3 notches on E., and W. edges; from which An aspen 8 ins. diam. bears N. 37°E. 3 lks. dist. mkd. T 1 S R 12 W S 34 B T. An aspen 7 ins. diam. bears S.51°E. 27 lks. dist. mkd. T 2 S R 12 W S 3 B T. An aspen 6 ins. diam. bears S.30°W. 75 lks. dist. mkd. T 2 S R 12 W S 4 B T. An aspen 7 ins. diam. bears N. 29°W. 43 lks. dist. mkd. T 1 S R 12 W S 33 B T.
	Land mountainous.
	Soil stony;and loam; 1st. and 3rd. rate.
	Timber aspen.
	Mountainous and heavily timbered land. 80.00 chs.
	July 22, 1904, at this cor. I set off 20°16'N. on decl. arc, and at 0 h. 6m. p.m. l.m.t. observe the sun on the meridian; the resulting lat. is 40°21'N.

W. bet. secs. 4 and 33

	Ascending over mountainous land, through heavy aspen timber.
4.00	Spur projects SE.
	Descend.
5.00	Canal, course NW.
6.40	Hollow, course SE.
	Ascend.
11.00	Spur projects SE.
	Descend.

NORTH BOUNDARY OF T.2 S., R.12 W., U.S.B.& M.

CHAINS	
25.40	Ravine 300 ft. deep, course SE.
	Ascend.
38.95	Intersect West Boundary of Uintah Indian Reservation.

Set a quartzite stone 20x11x4 ins. 15 ins. in the ground, for closing cor. to Tps. 1 S. and 2 S. R. 12 W. mkd. C C U I R, and 4 grooves on E. PL on W with 6 grooves on N. and S. faces; from which

An aspen 4 ins. diam. bears N. 44° E. 47 lks. dist. mkd. U I R T 1 S R 12 W S 33 B T.

A pine 8 ins. diam. bears S. 54° E. 204 lks. dist. mkd. U. I. R T 2 S R 12 W S 4 B T.

From the closing cor. the 140 mile cor. on the bdy. as established by Deputies A.H. and F.M. Brown, bears S. 37° 45' E. 12.24 chs.; thence S. 20° 30' W 33 chs. to mile stone No. 140.

Land mountainous.

Soil stony; 2nd. and 3rd. rate.

Timber aspen.

Mountainous and heavily timbered. 38.95 chs.

July 22, 1904.

For general description see subdivision of this Tp.

James M Kelly

U.S. Deputy Surveyor.

BOUNDARIES OF TOWNSHIP 2 S.,R.12 W.,U.S.B.& M.

LATITUDES,DEPARTURES,AND CLOSING ERRORS.

Line Designated	True Bearing	Distance	Latitudes N.	Latitudes S.	Departures E.	Departures W.
		chs!	chs.	chs.	chs.	chs.
N.Bdy.T.3 S.R.12 W.	West	417.00	.....	.....	.....	417.00
" " " 2 " " " "	East	278.95	.....	.....	278.95	.....
E. " " " " " "	South	479.80	.....	479.80	.....	.....
U.I.R.Bdy.	N.8°15'W.	14.69	14.54	.....	.....	2.11
" " "	N.46°30'W.	10 10	6.95	.....	.....	7.33
" " "	S.79°W.	2.40	.....	46	.....	2.36
" " "	N.44°W.	72.08	51.84	.....	.....	50.07
3rd G.M.W.	North	213.77	213.77	.....	.....	.....
U.I.R.Bdy.	S.53°30'E.	58.97	.....	35.07	47.40	.....
" " "	S.10°E.	25.70	.....	25.31	4.46	.....
" " "	N.70°45'E.	37.80	12.46	.....	35.69	.....
" " "	N.81°15'E.	14.00	2.13	.....	13.84	.....
" " "	S.77°E.	22.50	.....	5.06	21.93	.....
" " "	N.81°15'E.	20.00	3.04	.....	19.77	.....
" " "	N.86°45'E.	13.00	.74	.....	12.98	.....
" " "	S.66°45'E.	23.40	.....	9.24	21.50	.....
" " "	N.12°15'E.	20.60	20.15	.....	4.37	.....
" " "	N.7°45'W.	14.60	14.47	.....	.....	1.97
" " "	S.84°E.	14.80	.....	1.55	14.72	.....
" " "	N.12°E.	26.00	25.43	.....	5.40	.....
" " "	N.53°45'W.	20.10	11.88	.....	.....	16.21
" " "	N.6°W.	19.00	18.90	.....	.....	1.99
" " "	N.43°45'W.	8.50	6.14	.....	.....	5.88
" " "	N.12°45'W.	40.00	39.01	.....	.....	8.83
" " "	N.17°45'E.	26.00	24.76	.....	7.93	.....
" " "	N.37°E.	54.00	43.12	.....	32.50	.....
" " "	N.46°30'E.	4.60	3.17	.....	3.34	.....
" " "	N.26°15'W.	21.50	19.28	.....	.....	9.51
" " "	N.20°30'E.	16.90	15.83	.....	5.93	.....
" " "	N.37°45'W.	12.24	9.68	.....	.....	7.50
Convergency	[illegible]				.49	
			557.29	556.49	531.20	530.76

BOUNDARIES OF TOWNSHIP 2 S.,R.12 W.,U.S.B.& M.

	Latitudes		Departures.	
Totals forward	557.29	556.49	531.20	530.76
		556.49		530.76
Error in lat.and dep.		.80		.44

U.S.Deputy Surveyor.

Volume
#
R0315

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

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

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

.....

showing the respective capacities in which they acted:

....., *Chainman.*

For final affidavits see book "N" T.1 S.R.11 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 .....

For final affidavits see book "N" T.1 S.R.11 W. ....., *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 "N" T.1 S.R.11 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; and should any fraud be detected, I will suffer the penalty of perjury under the provisions of an Act of Congress approved August 8, 1846.

.....

United States Deputy Surveyor.

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

SEAL

.....

.....

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah. December 31, 1904.

The foregoing field notes of the survey of the North Boundary of Township No. 2 South, Range No. 12 West of the Uintah Special Base and Meridian, Utah;

executed by James M. Lentz under his contract No. 280, dated July 22, 1903, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Edward A. Anderson

United States Surveyor General.

I certify that the foregoing transcript of the field notes of the above-described surveys 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-315

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FIELD NOTES

FILED
OCT 31 1904

OF THE SURVEY OF THE

Subdivision
of
Township No. 2 South
Range No. 12 West

Of the Uintah Special Base and Meridian,
In the State of Utah

AS SURVEYED BY

James M. Lentz, United States Deputy Surveyor,

Under his Contract No. 280, dated July 22nd, 1903

Survey commenced July 22nd, 1904

Survey completed " 31st, 1904

6—151

high 47-19-30
low 34.00
Clay " 57.09

47 53 3

BOOK A-315

NAMES AND DUTIES OF ASSISTANTS.

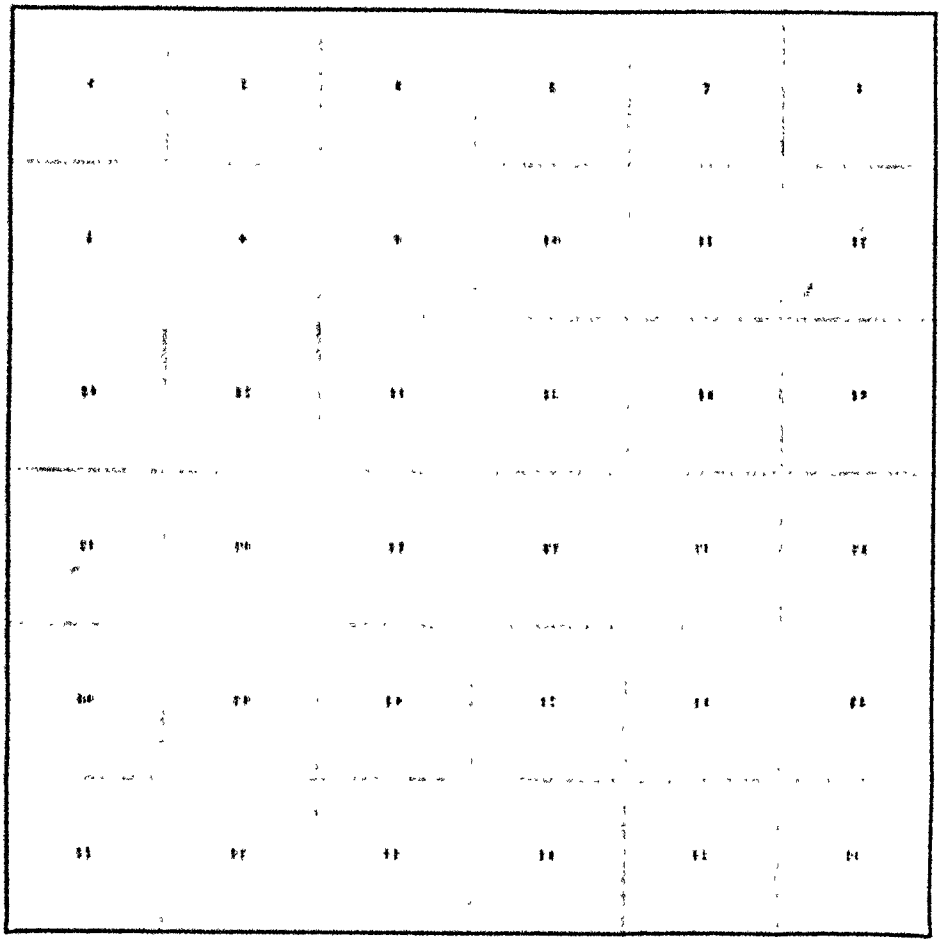
William Longanecker Chainman.
Samuel M. Ballard "
Dexter A. McBride Boundman
John M. Carroll Aidman
Lawrence Swan "
David J. Merchant Flagman

For preliminary affidavits see book "C" T.4 S.R.12 W.

BOOK A-315

INDEX DIAGRAM.

Township . *Range*



Meanders Page

PRELIMINARY OATHS OF ASSISTANTS.

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

_____

_____, *Chainman.*

_____, *Chainman.*

Subscribed and sworn to before me this _____ day of _____, 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. 2 S. R. 12 W. U. S. B. & M.

Survey commenced July 22, 1904, and executed with the instrument described in book "A" of this survey. I begin at the cor. of secs. 1, 2, 35 and 36 on S. bdy. of T. 2 S. R. 12 W. previously described; lat. 40°16'N.; long. 111°13'54" W.

I examined the adjustments of the transit and find them correct. Then in order to test the solar aparatus by comparing its indications resulting from solar observations made during p. m. and a. m. hrs. with a meridian determined by observation on Polaris, I proceed as follows;

At 5 h. p. m. l. m. t. I set off 40° 16' N. on lat. arc, 20° 14½' N. on decl. arc and determine a true mer. with the solar, and mark the mer. thus determined by a cross cut on a stone firmly set in the ground 5 chs. N. of my station.

At 11 h. 27m p. m. l. m. t. I observe Polaris at eastern elongation in accordance with Instructions in the Manual, and mark the line thus determined on a peg driven in the ground 5 chs. N. of my station.

July 22, 1904.

July 23, at 6 h. a. m. l. m. t. I lay off the azimuth of Polaris 1° 34½' to the W. and mark the mer. thus determined by cutting a small groove in stone set last evening. The mer. falls on a pole held on the mark cut to mark the mer. determined by p. m. solar observation.

At 7 h. a. m. l. m. t. I set off 40° 16' N. on lat. arc, 20° 7½' N. on decl. arc and determine a mer. with the solar. The mer. thus determined falls on a pole held on the mark cut in stone to mark the mer. determined by p. m. solar observation, and tested by observation on Polaris.

SUBDIVISION OF T. 2. S. R. 12 W. U. S. B. & M.

Chains.	
	The solar aparatus by p. m. and a. m. observations defines the same position for the mer. as that obtained by observation on Polaris; therefore, I conclude that the adjustments of the instrument are correct.
	The magnetic bearing of the true mer. at 7h 30m. a.m. l. m. t. is N. 16° 45' W., the angle thus determined gives the magnetic decl. 16° 45' E.
	From the above mentioned cor. I run
	N.0°.01' W. bet. secs. 35 and 36.
	Ascending over mountainous land through dense sage brush.
4.50	Spur projects SE.
	Desc.
12.00	Hollow, course SE.
	Asc.
40.00	Set sandstone 15x10x7 ins., 10 ins. in ground for $\frac{1}{4}$ sec. cor. mkd. $\frac{1}{4}$ on W. face; raise mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor.
73.00	Top of spur ridge, bears N. 20° E. and S. 30° W.; enter heavy aspen timber, bears NE. and SW.
	Desc.
80.00	Set sandstone 18x9x8 ins., 12 ins. in ground for cor. of secs. 25, 26, 35 and 36 mkd. with 1 notch on E. and S. edges; from which
	an aspen 6 ins. diam., bears N. 41° E. 12 lks dist. mkd. T 2 S R 12 W S 25 B T.
	an aspen 6 ins. diam., bears S. 54° E. 13 lks dist mkd. T 2 S R 12 W S 36 B T.
	an aspen 10 ins. diam., bears S. 36° W. 30 lks dist. mkd. T 2 S R 12 W S 35 B T.
	an aspen 5 ins. diam., bears N23° W. 11 lks dist. mkd. T 2 S R 12 W S 26 B T.

SUBDIVISION OF T. 2 S., R. 12 W., U. S. B. & M.

Chains.	
	Land mountainous.
	Soil stony, 2nd and 3rd rate.
	Timber aspen.
	Mountainous and heavily timbered land covered with dense undergrowth 80.00 chs.
	E. on random line bet. secs. 25 and 36.
40.00	Set temp. ¼ sec. cor.
80.06	Intersect E. bdy. of Tp. 3 lks. N. of the cor. of secs. 25, 30, 31 and 36, previously described.
	Thence I run
	N. 89° 59' W. on true line bet. secs. 25 and 36.
	Descending over mountainous land through dense chokecherry and deer brush;
7.50	Ravine 300 ft. deep, course SW;
	Asc.
31.00	Spur projects SW.
	Desc.
37.00	Hollow, course SW.
	Asc.
40.00	Set sandstone 14x10x5 ins. 10 ins in ground for ¼ sec. cor. mkd. ¼ on N. face; raise mound of stone 2 ft. base, 1½ ft high N. of cor.
46.00	Spur projects SE.
	Desc.
50.00	Ravine 100 ft. deep, course SE.
	Asc.
52.00	Enter scattering aspen timber, bear N. and S.
65.00	Enter heavy aspen timber, bear N. and S.

SUBDIVISION OF T. 2 S. R. 12 W. U. S. B. & M.

Chains.	
67.00	Ridge, bears N. 30° E. and S. 30° W.
80.06	The cor. of secs. 25, 26, 35 and 36.
	Land mountainous.
	Soil stony, 3rd rate.
	Timber aspen.
	Mountainous and heavily timbered land, covered with dense undergrowth 80.06 chs.

	N. 0°01' W. bet. secs. 25 and 26.
	Descending over mountainous land through heavy aspen timber and dense chokecherry brush.
40.00	Set quartzite stone 16x9x6 ins., 11 ins. in ground for ¼ sec. cor. mkd. ¼ on W. face; from which
	an aspen 4 ins. diam., bears S. 76° E. 14 lks dist mkd. ¼ S 25 B T.
	an aspen 6 ins. diam., bears N. 47° W. 16 lks dist. mkd. ¼ S 26 B T.
42.00	Ravine 150 ft. deep, course SW.
	Asc.
80.00	Set cobble stone 13x9x8 ins., 9 ins. in ground for cor of secs. 23, 24, 25 and 26 mkd. with 2 notches on S. and 1 notch on E. edge; from which
	an aspen 5 ins. diam., bears N. 47° E. 37 lks dist. mkd. T 2 S R 12 W S 24 B T.
	an aspen 7 ins. diam., bears S. 58° E. 20 lks dist. mkd. T 2 S R 12 W S 25 B T.
	an aspen 4 ins. diam., bears S. 28° W. 55 lks dist. mkd. T 2 S R 12 W S 26 B T.
	an aspen 4 ins. diam., bears N. 68° W. 29 lks dist.

SUBDIVISION OF T. 2 S. R. 12 W. U. S. B. & M.

Chains.	
	mkd. T 2 S R 12 W S 23 B T.
	Land mountainous.
	Soil stony, 2nd and 3rd rate.
	Timber aspen.
	Mountainous and heavily timbered land covered with dense undergrowth 80.00 chs.
	S. 89° 59' E. on random line bet. secs. 24 and 25
40.00	Set temp ¼ sec. cor.
80.10	Intersect E. bdy. of Tp. 2 1/2 lks N. of the cor of secs. 19, 24, 25 and 30 previously described.
	Thence I run
	N. 89° 58' W. on true line bet. secs. 24 and 25.
	Ascending over mountainous land through dense deer and chokecherry brush.
10.55	Spur ridge, bears N. and S. enter heavy aspen timber, bears N. and S.
15.00	Ravine 75 ft. deep, course S. 10° E.
	Asc.
22.00	Spur projects S.
	Desc.
31.50	Draw, course S., leave aspen, bear N. and S.
	Asc.
39.00	Spur projects S.
	Desc.
40.05	Set cobble stone 12x8x6 ins., 8 ins. in ground for ½ sec. cor mkd. ½ on N. face; raise mound of stone 2 ft. base, 1½ ft high N. of cor.
47.00	Leave chokecherry, enter dense sage and deer brush, bear N. and S.

SUBDIVISION OF T. 2 S. R. 12 W. U. S. B. & M.

Chains.	
56.30	Ravine 200 ft. deep, course S. 60° E.; enter heavy aspen timber, bears N. and S.
	Asc.
73.00	Ridge, bears N. and S. enter scattering pine timber.
	Desc.
80.10	The cor. of secs. 23, 24, 25 and 26.
	Land mountainous.
	Soil stony, 2nd and 3rd rate.
	Timber aspen and pine.
	Mountainous land heavily timbered and covered with dense undergrowth 80.10 chs.
	July 23, at this cor. I set off 20° 4' E. on decl arc and at 10 h. 6m. p. m. l. m. t. observe the sun on the m mer. the resulting lat is 40° 17½' N.

	N. 0°01' W. bet. secs. 23 and 24.
	Descending over mountainous land through heavy aspen timber.
18.00	Ravine 300 ft. deep, course SW.
	Ascend along broken W. slope.
38.00	Point of spur from N. 20° E. Desc.
40.00	Set a quartzite stone 12x8x8 ins., 8 ins. in ground for ¼ sec. cor. mkd. ¼ on W. face; from which
	an aspen 4 ins. diam., bears N. 86° E. 5 lks dist., mkd. ½ S 24 B T.
	an aspen 4 ins. diam., bears N. 55° W. 28 lks dist. mkd. ½ S 23 B T.
49.00	Leave aspen timber, bear E. and W.
59.00	Hollow, course SW.
	Asc.

SUBDIVISION OF T. 2 S. R. 12 W. U. S. B. & M.

chains.	
60.00	Enter aspen timber, bear NW. and SE.
78.00	Spur projects W.
	Desc.
80.00	Set limestone 12x8x6 ins., 8 ins. in ground for cor. of secs. 13, 14, 23 and 24, mkd. with 3 notches on S. and 1 notch on E. edgefrom which
	an aspen 10 ins. diam., bears N. 28½° E. 33 lks dist. mkd. T 2 S R 12 W S 13 B T.
	an aspen 18 ins. diam., bears S. 16½° E. 17 lks dist. mkd. T 2 S R 12 W S 24 B T.
	an aspen 13 ins. diam., bears S 69½° W. 43 lks dist. mkd. T 2 S R 12 W S 23 B T.
	an aspen 11 ins. diam., bears N. 40° W. 88 lks dist. mkd. T 2 S R 12 W S 14 B T.
	Land mountainous.
	Soil stony, 2nd and 3rd rate.
	Timber aspen.
	Mountainous and heavily timbered land 80. 00 chs.
	S. 89° 58' E. on random line bet. sec. 13 and 24.
40.00	Set temp . ¼ sec. cor
80.04	Intersect E. bdy of Tp. 5 lks N. of the cor. of secs. 13, 18, 19 and 24 previously described.
	Thence I run
	N. 89° 56' W. on t rue line bet. secs. 13 and 24.
	Ascending through heavy aspen timber and dense chokecherry brush.
6.00	Spur ridge, bears N. and S.
	Desc.

SUBDIVISION OF T. 2 S. R. 12 W. U. S. B. & M.

Chains.	
18.00	Ravine 350 ft. deep, course S., leave heavy aspen enter s scattering timber, bear N. and S.
	Asc.
26.00	Spur projects S. enter heavy aspen timber, bear N, and S.
	Desc.
32.00	Ravine 250 ft. deep, course S.
	Asc.
40.02	On a spur projecting S.
	Set an aspen post 3 ft. long 5 ins. sq., 24 ins. in ground for ¼ sec. cor. mkd. ¼ S 13 on N. and .24 on S. face;
	from which
	an aspen 14 ins diam., bears N.15° W. 53 lks dist. mkd. ¼ S 13 B T.
	an aspen 12 ins. diam., bears S.25° E. 62 lks dist. mkd. ¼ S 24 B T.
	Descend.
47.00	Draw, course S. 20° E.
	Asc.
50.00	Ledges, bear N. and S. along top of ridge; descend along broken N. slope.
80.04	The cor. of secs. 13, 14, 23 and 24.
	Land mountainous.
	Soil stony, 2nd and 3rd rate.
	Timber aspen.
	Mountainous and heavily timbered land 80.04 chs.
	July 23, 1904.

SUBDIVISION OF T. 2 S. R. 12 W. U. S. B. & M.

Chains.	
	July 24, at 7 h. a. m. l. m. t. I set off 19° 55' N. on decl. arc, 40° 18½' N. on lat. arc and determine a mer. with the solar, at the cor. of secs. 13, 14, 23, and 24.
	Thence I run
	N. 0°01' W. bet. secs. 13 and 14.
	Descending over mountainous land through heavy aspen timber.
1.50	Draw, course N. 70° W.
	Asc.
16.00	Spur ridge, bears N. 35° W. and SE.
	Desc.
37.00	Ravine 500 ft. deep, course N. 40° W.
	Asc.
40.00	Set limestone 13x9x8 ins., 9 ins. in ground for ¼ sec. cor. mkd. ¼ on W. face; from which
	an aspen 6 ins. diam., bears N. 78° E. 63 lks dist. mkd. ¼ S 13 B T.
	an aspen 4 ins. diam., bears S. 59° W. 30 lks dist. mkd. ¼ S 14 B T.
60.00	Spur projects NW.
	Desc.
76.50	Branch of Willow Creek, 7 lks. wide, in ravine 350 ft. deep, course S. 75° W.; leave aspen timber, enter dense willows, bear N. 75° W. and S. 75° W.
	Asc.
77.00	Leave willows, enter dense sage brush, bear E. and W.
80.00	Set limestone 15x9x6 ins., 10 ins. in ground for cor. of secs. 11, 12, 13 and 14, mkd. with 4 notches on S. and 1 notch on E edge; raise mound of stone 2 ft. base, 1½ ft. high W. of cor.
	Land mountainous.

SUBDIVISION OF T. 2 S. R. 12 W. U. S. B. & M.

Chains.	
	Soil stony, 3rd rate.
	Timber aspen.
	Mountainous and heavily timbered land covered with dense undergrowth 80.00 chs.
	S. 89° 56' E. on random line bet. secs.12 and 13.
40.00	Set temp ¼ sec. cor.
79.98	Intersect E. bdy of Tp 3 lks S. of the cor. of secs. 7, 12, 13 and 18, previously described,
	Thence I run
	N. 89° 57' W. on true line bet. secs. 12 and 13.
	Desc. along broken N. slope, through heavy aspen timber and dense chokecherry and deer brush.
30.00	Leave aspen, enter fallen timber, bears N. and S.
39.99	Set limestone 16x8x5 ins., 11 ins. in ground for ¼ sec. cor mkd. ¼ on N. face; raise mound of stone 2 ft. base, 1½ ft. high N. of cor.
49.00	Draw, course N. 30° W.
	Asc.
57.50	Spur projects N.leave fallen timber, enter aspen timber, bears N. and S.
	Desc.
75.00	Leave aspen timber enter dense willows, bear NE. and SW.
	Branch of Willow Creek 75lks wide in ravine 350 ft. deep, course SW.; ascend.
77.00	Leave willows, enter dense sage brush, bear NE. and SW.
	Asc. over ledges, bear NE. and SW.
79.98	The cor. of secs. 11, 12, 13 and 14.
	Land mountainous.
	Soil stony, 3rd and 4th rate.

SUBDIVISION OF T. 2 S. R. 12 W. U. S. B. & M.

Chains.	
	Timber aspen.
	Mountainous and heavily timbered land 79.98 chs.

	N. 0°01'W. bet. secs. 11 and 12.
	Ascending over mountainous land through dense chokecherry and deer brush.
23.00	Ridge, bears NE. and S. 70° W. enter dense scrub aspen and burnt pine, bear E. and W; 10.00 chs. NE. Saddle in ridge
10	bears N. and S.
	Desc.
40.00	Set sandstone 18x7x4 ins., 12 ins. in ground for ¼ sec. cor. mkd. ¼ on W. face from which
	an aspen 4 ins. diam., bears S. 61° E. 44 lks dist. mkd. ¼ S 12 B T.
	an aspen 4 ins. diam, bears N. 52½° W. 44 lks dist. mkd. ¼ S 11 B T.
55.00	Foot of descent, enter bottom land, bears NE. and SW.; leave aspen timber; enter dense sage brush, bears NE. and SW.
	Gradual ascent.
72.00	Creek 2 lks wide; course SW.; asc. over broken ground.
75.00	Enter scattering aspen, bear NW. and SE.
80.00	Set sandstone 12x9x6 ins., 8 ins. in ground for cor. of secs. 1, 2, 11 and 12 mkd. with 5 notches on S. and 1 notch on E. edge; from which
	an aspen 4 ins. diam., bears N. 12° E. 69 lks dist. mkd. T 2 S R 12 W S 1 B T.
	an aspen 4 ins. diam., bears S. 18½° E. 35 lks dist. mkd: T 2 S R 12 W S 12 B T.
	an aspen 5 ins. diam., bears S. 63° W. 25 lks dist., mkd. T 2 S R 12 W S 11 B T.

SUBDIVISION OF T. 2 S. R. 12 W. U. S. B. & M.

Chains.	
	an aspen 4 ins. diam., bears N. 42° W. 53 lks dist. mkd. T. 2 S R 12 W S 2 B T.
	Land mountainous.
	Soil stony and loam, 2nd and 3rd rate.
	Timber aspen.
	Mountainous and heavily timbered land and land covered with dense undergrowth 80.00 chs.
	July 24, at this cor. I set off 19° 52' N. on decl. arc and at 0 hs. 6½m. p. m. l. m. t. observe the sun on the mer., the resulting lat. is 40° 20' N.
	S. 89° 57' E. on random line bet. secs. 1 and 12.
40.00	Set temp. ¼ sec. cor.
80.02	Intersect E. bdy. of Tp. 2½ lks N. of the cor. of secs. 1, 6, 7 and 12. previously described.
	Thence I run
	N. 89° 56' W. on true line bet. secs. 1 and 12.
	Descending over mountainous land, through dense deer and sage brush.
10.00	Enter aspen timber, bear N. and S.
20.00	Enter pine, bear N. and S.
30.00	Draw, course S. 70° W.; asc. along broken S. slope.
	Leave aspen and pine, enter dense chokecherry brush, bear with Draw.
32.00	Enter aspen timber, bear NE. and SW.
40.01	Set a limestone 16x7x6 ins.,,11 ins. in ground for ¼ sec. cor. mkd. ¼ on N. face from which
	an aspen 4 ins. diam., bears N. 82½° W. 35 lks dist. mkd. ¼ S 1 B T.
	an aspen 5 ins. diam., bears S. 71° W. 69 lks dist. mkd. ¼ S 12 B T.

SUBDIVISION OF T. 2 S. R. 12 W. U. S. B. & M.

Chains.	
	Desc. along broken S. slope.
65.00	Creek 3 lks wide, in ravine 200 ft. deep, course S. 75° W.;
	asc.
70.00	Spur projects S. 75° W.
	Desc.
80.02	The cor. of secs. 1, 2, 11 and 12.
	Land mountainous.
	Soil loam and stony, 2nd and 3rd rate.
	Timber aspen and pine.
	Mountainous land heavily timbered and covered with dense
	undergrowth 80.02 chs.

	N. 0°01' W. on random line bet. secs. 1 and 2.
40.00	Set temp. ¼ sec. cor.
79.81	Intersect N. bdy. of Tp. 3 lks W. of the cor. of secs. 1,
	2, 35 and 36. previously described.
	Thence I run
	S. on true line bet. secs. 1 and 2.
	Ascending over mountainous land through aspen timber.
17.50	Spur projects SW., saddle in ridge SW. 114 chs, bears N.
	60° W. and S. 60° E.
	Desc.
21.00	Canal, course SW.
33.50	Willow Creek 7 lks wide in ravine 700 feet deep, course SW.
	Asc.
39.84	Set limestone 12x9x3 ins., 8 ins. in ground for ¼ sec. cor.
	mkd. ¼ on W. face; from which
	an aspen 4 ins. diam., bears N. 70° E. 8 lks dis.
	mkd. ¼ S 1 B T.
	an aspen 12 ins. diam., bears N. 20° W. 27 lks dist.
	mkd. ¼ S 2 B T.

SUBDIVISION OF T. 2 S. R. 12 W. U. S. B. & M.

Chains.	
	Desc. along broken W. slope.
79.84	The cor. of secs. 1, 2, 11 and 12.
	Land mountainous.
	Soil stony, 2nd and 3rd rate.
	Timber aspen.
	Mountainous land heavily timbered and covered with dense undergrowth 79.84 chs.
	July 24, 1904.

July 25, at 7 hs. a. m. l. m. t. I set off 19° 42' N. on decl. arc, 40° 16' N. on lat. arc and determine a mer. with the solar at the cor. of secs. 2, 3, 34 and 35 on the S. bdy. of the T. 2 S. R. 12 W. previously described.

Thence I run

N. 0°.02' W. bet. secs. 34 and 35.

Over rolling bottom land, through dense sage brush.

16.80	Branch of Strawberry River, 30 lks. wide, course SE.
40.00	Set limestone 12x8x8 ins., 8 ins. in ground for ¼ sec. cor. mkd. ¼ on W. face; dig pits 18x18x12 ins. N. and S. of stone 3 ft. dist.; raise mound of earth 3½ ft. base, 1½ ft. high W. of cor.
49.25	Road, bears E. and W.
73.00	Leave bottom land; asc. over mountainous land.
74.00	Spur projects E.
	Desc.
80.00	Set sandstone 16x10x6 ins., 11 ins. in ground for cor. of secs. 26, 27, 34 and 35. mkd. with 1 notch on S. and 2 notches on E. edge; raise mound of stone 2 ft. base, 1½ ft. high W. of cor.
	Land bottom land and mountainous.

SUBDIVISION OF T. 2 S. R. 12 W. U. S. B. & M.

Chains.	
	Soil loam and stony 1st and 3rd rate.
	No timber.
	Land mountainous and covered with dense undergrowth 80.00 chs.
	———————
	E. on random line bet. secs. 26 and 35.
40.00	Set temp. ¼ sec. cor.
80.05	Intersect N. and S. line 7 lks N. of the cor. of secs. 25. 26, 35 and 36.
	Thence I run
	N. 89° 57' W. on true line bet. secs. 26 and 35.
	Descending over mountainous land through heavy aspen and dense chokecherry brush.
6.00	Leave aspen , bear NW. and SE.
13.00	Hollow, course N. 40° W.
	Asc.
35.60	Spur projects N.
	Desc.
40.02½	Set sandstone 16x8x5 ins., 11 ins. in ground for ¼ sec. cor. mkd. ¼ on N. face; raise mound of stone 2 ft. base, 1½ ft. high N. of cor.
41.80	Draw, course N.
	Asc.
44.00	Spur projects N. 30° W.
	Desc.
50.00	Main road from Heber to Vernal, bears N. 30° W. and S. 30° E.
51.00	Hollow course S.
	Asc.
60.00	Spur projects S.
	Desc.
80.05	

Chains.	
77.00	Hollow, course S. 30° E.
	Asc.
80.05	The cor. of secs. 26, 27, 34 and 35.
	Land mountainous.
	Soil stony, 2nd and 3rd rate.
	Timber, aspen.
	Mountainous land heavily timbered and covered with dense undergrowth 80.05 chs.
	———
	N.0°02'W. bet. secs. 26 and 27.
	Descending over mountainous land through dense sage brush.
17.30	Hollow, course S. 20°. E.
23.50	Spur projects SE.
	Desc.
27.00	Enter bottom land, over rolling land covered with dense sage.
39.00	Road, bears NW. and SE. Main road, Heber to Vernal.
40.00	Set sandstone 15x11x7 ins., 10 ins. in ground for ¼ sec. cor. mkd. ¼ on W. face; dig pits 18x18x12 ins. N. and S. of stone 3 ft. dist.; raise mound of earth 3½ ft. base, 1½ ft. high W. of cor.
80.00	Set sandstone 15x10x7 ins. 10 ins in ground for cor. of secs. 22, 23, 26 and 27 mkd. with 2 notches on S. and E. edges; dig pits 18x18x12 ins. in each sec. 5½ ft. dist.; raise mound of earth 4 ft. base, 2 ft high W. of cor.
	Land mountainous and bottom land.
	Soil loam and stony, 1st and 3rd rate.
	No timber.
	Mountainous land and land covered with dense undergrowth 80.00 chs.
	July 25:
	At this cor. I set off 20° 30½' E. on decl. arc, and at

SUBDIVISION OF T. 2 S. R. 12 W. U. S. B. & M.

Chains.	
	10 h. 6⅓m. p. m. l. m. t. observe the sun on the mer. the resulting lat. is 40° 17⅓' N.
	S. 89° 57' E. on random line bet. secs. 23 and 26.
40.00	Set temp. ¼ sec. cor.
79.94	Intersect N. and S. line at the cor. of secs. 23, 24, 25 and 26
	Thence I run
	N. 89° 57' W. on true line bet. secs. 23 and 26.
	Descending over mountainous land through heavy aspen timber and dense chokecherry brush.
23.10	Ravine 400 ft. deep, course SW.; Leave aspen timber, enter dense sage brush, bear NW. and SE.
	Asc
39.97	Set a limestone 16x10x8 ins., 11 ins. in ground for ¼ sec. cor. mkd. ¼ on N. face; raise mound of stone 2 ft. base, 1½ ft. high N. of cor.
41.00	Spur projects S.
	Desc.
63.00	Enter rolling bottom land.
79.94	The cor. of secs. 22, 23, 26 and 27.
	Land mountainous and bottom land and rolling.
	Soil stony, 2nd and 3rd rate.
	Timber aspen.
	Mountainous and bottom land heavily timbered and covered with dense undergrowth 79.94 chs.
	N. 0°02' W. bet. secs. 22 and 23.
	Over rolling bottom land through dense sage brush.
25.00	Leave bottom land, begin steep ascent.

SUBDIVISION OF T. 2 S. R. 12 W. U. S. B. & M.

Chains.	
34.00	Enter scattering aspen timber, bear E. and W.
35.00	Top of knoll, bear E. and W.
	Desc.
40.00	Set sandstone 16x9x5 ins., 11 ins. in ground for ¼ sec. cor. mkd. ¼ on W. face; from which
	an aspen 4 ins. diam., bears S. 26° E. 57 lks dist. mkd. ¼ S 23 B T.
	an aspen 4 ins. diam., bears S. 5½° W. 30 lks dist. mkd. ¼ S 22 B T.
40.75	Hollow, course SW.; leave aspen, enter dense sage brush, bear E. and W.
	Asc.
47.00	Enter heavy aspen, bear SW. and SE. Leave dense sage brush.
52.00	Spur projects W.
	Desc.
63.00	Leave aspen, bear NE. and W.
63.30	Foot of descent, enter bottom land, wagon road bears N. 50° E., and S. 70° W.; enter dense willows, bear with wagon road.
80.00	Set sandstone 13x8x7 ins., 9 ins. in ground for cor of secs. 14, 15, 22 and 23 mkd. with 3 notches on S. and 2 notches on E. edge, dig pits 18x18x12 ins. in each sec. 5⅓ ft. dist.; raise mound of earth 4 ft. base, 2 ft. high W. of cor.
	Land mountainous and rolling.
	Soil stony, 2nd and 3rd rate.
	Timber aspen.
	Mountainous land and land covered with dense undergrowth
	80.00 chs.

	S. 89° 57' E. on random line bet. secs. 14 and 23.

SUBDIVISION OF T. 2 S. R. 12 W. U. S. B. & M.

Chains.	
40.00	Set temp. ¼ sec. cor.
79.96	Intersect N. and S. line 5 lks s. of the cor. of secs. 13, 14, 23 and 24.
	Thence I run
	N. 89° 59' W. on true line bet. secs. 14 and 23.
	Descending along broken N. slope, through heavy aspen timber.
21.50	Ravine 200 ft. deep, course S. 35° W.; enter dense chokecherry brush, bear NE. and SW.
	Asc.
26.00	Spur projects SW.
	Desc.
39.98	Set quartzite stone 12x10x8 ins. 8 ins. in ground for ¼ sec. cor. mkd. ¼ on N. face; from which
	an aspen 4 ins. diam., bears N. 17° W. 37 lks dist. mkd. ¼ S 14 B T.
	an aspen 4 ins. diam., bears S. 15° E. 4 lks dist. mkd. ¼ S 23 B T.
	Leave aspen timber and chokecherry brush, bear N. and SW.; enter dense sage brush, bear N. and S.
74.64	Road, bears N. 10° E. and S. 20° W.; enter bottom land, leave sage brush, bear with road.
75.90	Enter dense willow, bear NE. and SW.
79.96	The cor. of secs. 14, 15, 22 and 23.
	Land mountainous and rolling.
	Soil stony, 2nd and 3rd rate.
	Timber aspen.
	Mountainous land heavily timbered and bottom land covered with dense undergrowth 79.96 chs.

Chains. N. 0°02' E. bet. secs. 14 and 15.

Over rolling bottom land through dense willow and sage brush.

3.50 Willow Creek 7 lks wide, course SW.

32.00 Leave bottom land and willows, enter dense chokecherry and young aspen, bear E. and W.

Asc.

40.00 Set sandstone 15x8x7 ins., 10 ins. in ground for ¼ sec. cor. mkd. ¼ on W. face; from which

an aspen 4 ins. diam., bears S. 75° E. 75 lks dist. mkd. ¼ S 14 B T.

an aspen 4 ins. diam., bears S. 10° W. 6 lks. dist. mkd. ¼ S 15 B T.

42.25 Spur projects SE.

Desc.

48.00 Saddle, bears NW. and SE.

Asc.

70.00 Sharp ridge, bears NW. and SE.

Desc.

80.00 Set limestone 15x10x6 ins., 10 ins. in ground for cor. of secs. 10, 11, 14 and 15, mkd. with 4 notches on S. and 2 notches on E. edge; from which

an aspen 5 ins. diam., bears N. 9° E. 90 lks dist. mkd. T 2 S R 12 W S 11 B T.

an aspen 4 ins. diam., bears S. 67° E. 18 lks dist. mkd. T 2 S R 12 W S 14 B T.

an aspen 4 ins. diam., bears S. 45° W. 58 lks dist. mkd T 2 S R 12 W 12 S 15 B T.

an aspen 6 ins. diam., bears N. 3° W. 92 lks dist. mkd. T 2 S R 12 W S 10 B T.

SUBDIVISION OF T. 2. S. R. 12 W. U. S. B. & M.

Chains.	
	Land rolling and mountainous.
	Soil stony, 2nd and 3rd rate.
	Timber aspen.
	Mountainous land, heavily timbered and covered with dense undergrowth, and bottom land covered with dense undergrowth
	80.00 chs.
	July 25. 1904.

	July 26, at 7 h. a. m. l. m. t. I set off 40° 19½' N. on lat. arc, and 19° 29' N. on decl. arc. and determine a mer. with the solar, at the cor. of secs. 10, 11, 14, and 15.
	Thence I run
	S. 89° 59' E. on random line bet. secs. 11 and 14.
40.00	Set temp. ¼ sec. cor.
80.06	Intersect N. and S. line 7 lks. N. of the cor. of secs. 11, 12, 13 and 14.
	Thence I run N. 89° 56' W. on true line bet. secs. 11 and 14.
	Ascending over mountainous land through dense sage brush.
22.00	Spur projects S.
	Desc.
35.00	Willow Creek 3 lks. wide in ravine 300 ft. deep, course S.
	Enter scattering aspen timber bears N. and S.
	Asc.
37.50	Limestone ledges, bear NW. and SE.
40.03	Set sandstone 15x7x6 ins., 10 ins. in ground for ¼ sec. cor. mkd. ¼ on N. face; from which
	an aspen 8 ins. diam., bears N. 27° W. 48 lks dist. mkd. ¼ S 11 B T.
	an aspen 8 ins. diam., bears S. 71° E. 219 lks dist. mkd. ¼ S 14 B T.

SUBDIVISION OF T. [illegible]

Chains.	Spur projects S. 75° E.
	Desc.
41.50	Draw, course S. 80° E.
	Asc.
44.00	Enter heavy aspen timber, bear NW. and SE.
64.30	Ridge, bears NW. and SE.; leave aspen, enter dense chokecherry and deer brush, bear NW. and SE.
	Desc.
76.00	Head of hollow, course SE; enter aspen, bear NW. and SE.
	Asc.
80.06	The cor. of secs. 10, 11, 14 and 15.
	Land mountainous.
	Soil stony, 3rd and 4th rate.
	Timber aspen.
	Mountainous land heavily timbered and covered with dense undergrowth 80.05 chs.
	N.0°52'W.bet. secs. 10 and 11.
	Ascend over mountainous land along broken E. slope through heavy aspen timber and dense chokecherry brush.
88.00	Ridge bears N. 30° W. and SE.
	Desc.
40.00	an aspen 9 ins. diam. for ¼ sec. cor. I mark ¼ S 10 on W. face and [illegible] 11 on E. face; from which
	an aspen 9 ins. diam., bears S. 48° E. 35 lks dist. mkd. ¼ S 11 B T.
	an aspen 12 ins. diam., bears S. 87° W. 19 lks dist. mkd. ¼ S 10 B T.
82.00	Ravine 300 ft. deep, course S. 35° E.
	Asc.

SUBDIVISION OF T. 2 S. R. 12 W. U. S. B. & M.

Chains.	
80.00	Set limestone 15x8x8 ins., 10 ins. in ground for cor of secs. 2, 3, 10 and 11 mkd. with 5 notches on S. and 2 notches on E edge; from which
	an aspen 6 ins. diam., bears N. 29° E. 15 lks dist. mkd. T 2 S R 12 W S 2 B T.
	an aspen 8 ins. diam., bears S. 46° E. 32 lks dist. mkd. T 2 S R 12 W S 11 B T.
	an aspen 6 ins. diam., bears S. 74° W. 8 lks dist. mkd. T 2 S R 12 W S 10 B T.
	an aspen 6 ins. diam., bears N. 21° W. 20 lks dist. mkd. T 2 S R 12 W S 3 B T.
	Land mountainous.
	Soil stony, 3rd rate.
	Timber aspen.
	Mountainous land heavily timbered and covered with dense undergrowth 80.00 chs.

	S. 89° 56' E. on random line bet. secs. 2 and 11.
40.00	Set temp. ¼ Sec. cor.
80.00	Intersect N. and S. line 3 lks S. of the cor of secs. 1, 2, 11 and 12
	Thence I run
	N. 89° 57' W. on true line bet. secs. 2 and 11.
	Descending over mountainous land through heavy aspen timber and dense chokecherry brush.
1.00	Leave aspen timber, enter dense sage brush and bottom land.
	Over rolling ground.
9.00	Willow Creek, 50 lks. wide, course S.; leave bottom land;
	Asc.
11.00	Enter heavy aspen timber and dense chokecherry brush.

SUBDIVISION OF T. 2 S. R. 12 W. U. S. B. & M.

Chains.	
	bears N. 30° E. and S.
29.00	Spur projects S. 30° E.
	Desc.
35.60	Hollow, course S.
	Asc.
40.00	Set an aspen post 3 ft. long, 4 ins., sq., 24 ins. in ground for ¼ sec. cor. mkd. ¼ S 2 on N. and ¼ S 11 on S. face; from which
	an aspen 5 ins. diam., bears N. 36° W. 28 lks dist. mkd. ¼ S 2 B T.
	an aspen 5 ins. diam., bears S. 25° E. 60 lks dist. mkd. ¼ S 11 B T.
55.00	Spur projects S. 16° E.
	Desc.
71.00	Ravine 500 ft. deep, course S. 20° E.
	Asc.
76.00	Spur projects S. 30° E.
	Desc.
80.00	The cor. of secs. 1, 2, 3, 10 and 11.
	Land mountainous.
	Soil stony, 3rd and 4th rate.
	Timber aspen.
	Mountainous land heavily timbered, and land covered with dense undergrowth 80.00 chs.
	July 26, at this cor. I set off 19° 25½' N. on decl arc and at 0 h. 6½ m. p. m. l. m. t. observe the sun on the mer. the resulting lat. is 40° 20' N.

SUBDIVISION OF T. 2 S. R. 12 W. U. S. B. & M.

Chains.	
	N. 0°02' W. on random line bet. secs. 2 and 3.
40.00	Set temp. ¼ sec. cor.
79.60	Intersect N. bdy. of Tp. 5 lks W. of the cor. of secs. 2, 3, 34 and 35 previously described.
	Thence I run
	S. on true line bet. secs. 2 and 3.
	Ascending along broken W. slope.
1.00	Enter dead and fallen timber, bear E. and W.
9.00	Leave dead timber, bear E. and W.
30.00	Cross spur ridge, bears N. 15° E. and S. 15° W.
32.00	Recross spur ridge, bears NW. and SE.
	Desc. along broken W. slope, through heavy aspen timber.
39.60	Set sandstone 18x11x7 ins., 12 ins. in ground for ¼ sec. cor. mkd. ¼ on W. face; from which
	an aspen 4 ins. diam., bears S. 63° E. 24 lks. dist.
	mkd. ¼ S 2 B T.
	an aspen 4 ins. diam., bears N. 18° W. 45 lks dist.
	mkd. ¼ S 3 B T.
52.00	Asc. along broken W. slope.
64.50	Spur ridge, bear NE. and SW.
79.60	The cor. of secs. 2, 3, 10 and 11.
	Land mountainous.
	Soil stony, 3rd and 4th rate.
	Timber aspen.
	Mountainous and heavily timbered land 79.60 chs.
	July 26. 1904.

July 27, at 7 h. a. m. l. m. t. I set off 19° 16' N. on decil. arc, 40° 16' N. on lat. arc, and determine a mer. at the cor. of secs. 3, 4, 33 and 34 of S. bdy. of Tp. previously described.

SUBDIVISION OF T. 2 S. R. 12 W. U. S. B. & M.

Chains.	Thence I. run
	N.09°.02' W. bet.secs. 33 and 34.
	Descending over mountainous land through heavy fallen and scattering pine timber and dense chokecherry brush.
19.50	Ravine 300 ft. deep, course NE.
	Asc.
31.00	Spur projects E.
	Desc.
40.00	Set a phorphry stone 12x10x6 ins., 8 ins. in ground for ¼ sec. cor. mkd. ¼ on W. face; from which
	a pine 24 ins. diam., bears S. 87° W. 28 lks dist. mkd. ¼ S 33 B T.
	an aspen 4 ins. diam., bears S. 42° E. 27 lks dist. mkd. ¼ S 34 B T.
63.00	Ravine 200 ft. deep, course NE.
	Asc.
80.00	Set cobble stone 12x11x4 ins. 8 ins. in ground for cor. of secs. 27, 28, 33 and 34 mkd. with 1 notch on S. and 3 notches on E. edge; from which
	an aspen 4 ins. diam., bears N. 46° E. 21 lks dist. mkd. T 2 S R 12 W S 27 B T.
	an aspen 4 ins. diam., bears S. 42° E. 27 lks dist. mkd. T 2 S R 12 W S 34 B T.
	an aspen 4 ins. diam., bears S. 69° W. 41 lks dist. mkd. T 2 S R 12 W S 33 B T.
	an aspen 4 ins. diam., bears N. 59° W. 51 lks dist. mkd. T 2 S R 12 W S 28 B T.
	Land mountainous.
	Soil stony, 3rd rate.
	Timber pine fallen timber.

SUBDIVISION OF T. 2 S. R. 12 W. U. S. B. & M.

Chains.	
	Mountainous land heavily timbered and covered with dense undergrowth 80.00 chs.
	E. on random line bet. secs. 27 and 34.
40.00	Set temp. ¼ sec. cor.
79.96	Intersect N. and S. line 7 lks S. of the cor. of secs. 26, 27, 34 and 35.
	Thence I run
	S. 89° 57' W. on true line bet. secs. 27 and 34.
	Ascending through dense sage brush.
4.60	Ridge, bears N. and S.
	Desc.
8.00	Enter bottom land and dense willow, bear N. and S.
39.98	Set sandstone 15x9x7 ins., 10 ins. in ground for ¼ sec. cor. mk d. ¼ on N. face; dig pits 18x18x12 ins. E. and W. of stone 3 ft. dist; raise mound of earth 3⅓ ft. base, 1⅓ ft. high N. of cor.
41.00	Branch of Strawberry River 19 lks. wide, course SE.
62.00	Road, bears NW. and SE.
64.00	Leave bottom land and dense willows, bear N. and SE.
70.00	Enter heavy aspen timber, bear N. and S.
79.96	The cor of secs. 27, 28, 33 and 34.
	Land mountainous and bottom land.
	Soil stony and loam, 1st and 3rd rate.
	No timber.
	Mountainous and bottom land covered with dense undergrowth 79.96 chs.
	N. 0°02' W. bet. secs. 27 and 28.
	Ascending over mountainous land through dense chokecherry and laurel brush, and heavy aspen and dead timber.

SUBDIVISION OF T. 2 S. R. 12 W. U. S. B. & M.

Chains.	
2.00	Enter scattering pine, bear E. and W.
11.50	Leave heavy aspen timber, enter scattering aspen, bear E. and W.
	Desc.
14.00	Ravine, 75 ft. deep, course E.
	Asc.
18.00	Spur projects E.
	Desc.
39.00	Leave timber, bear E. and W.
40.00	Set cobble stone 13x11x9 ins., 9 ins. in ground for ¼ sec. cor. mkd. ¼ on W. face from which
	an aspen 10 ins. diam., bears S. 9° W. 157 lks dist. mkd. ¼ S 28 B T.
	an aspen 6 ins. diam., bears S. 32° E. 150 lks dist. mkd. ¼, S 27 B T.
45.50	Road, bears NW. and SE. Enter bottom land.
52.00	Enter dense willows, bear NE. and SW.
65.50	Branch of Strawberry River, 8 lks wide, course S. 80° E.
68.50	Leave willows, bear NW. and SE.
	Heber-Vernal road bears NW and ESE.
80.00	Set a sandstone 16x9x5 ins., 11 ins. in ground for cor. of secs. 21, 22, 27 and 28, mkd. with 2 notches on S. and 3 notches on E. edge; from which
	an aspen 5 ins. diam, bears N. 54° E. 28 lks dist. mkd. T 2 S R 12 W S 22 B T.
	an aspen 7 ins. diam., bears S. 29° E. 19 lks dist. mkd. T 2 S R 12 W S 27 B T.
	an aspen 4 ins. diam., bears S. 49° W. 19 lks dist. mkd. T 2 S R 12 W S 28 B T.
	an aspen 4 ins. diam., bears N. 22½° W. 21 lks dist.

SUBDIVISION OF T. 2 S. R. 12 W. U. S. B. & M.

Chains.	
	mkd. T 2 S R 12 W S 21 B T.
	Land mountainous, and bottom land.
	Soil stony and loam, 1st and 3rd rate.
	Timber aspen and pine.
	Mountainous and heavily timbered land and dense undergrowth
	80.00 chs.
	July 27, at this cor. I set off 19° 12' N. on decl. arc
	and at 0 h. 6½ m. l. m. t. observe the sun on the mer.
	the resulting lat. is 40° 17½' N.
	N. 89° 57' E. on random line bet. secs. 22 and 27.
40.00	Set temp. ¼ sec. cor.
80.06	Intersect N. and S. line 11½ lks N. of the cor. of secs.
	22, 23, 26 and 27.
	Thence I run
	N. 89° 58' W. on true line bet. secs. 22 and 27.
	Over rolling bottoms land through dense sage brush.
7.00	Road, bears N. and S.
8.00	Enter dense willows, bear N. and S.
9.50	Willow Creek, 12 lks wide, course SW.
31.00	Branch of Strawberry River 7 lks wide, course SE.
37.55	Leave willows, bear N. and S.
37.85	Road, bears NE. and SW., leave bottom land. Asc.
40.03	Set sandstone 15x12x6 ins., 10 ins. in ground for ¼ sec.
	cor. mkd. ¼ on N. face; from which
	an aspen 4 ins. diam., bears N. 17° W. 21 lks dist,
	mkd. ¼ S 22 B T.
	an aspen 4 ins. diam., bears S. 55° W. 17 lks dist.
	mkd. ¼ S 27 B T.
	Enter aspen timber, bear N. and S.;

SUBDIVISION OF T. 2 S. R. 12 W. U. S. B. & M.

Chains.	
53.50	Spur projects S.
	Desc.
64.00	Ravine 150 ft. deep, course S. and
	Asc.
74.00	Spur projects S.
	Desc.
80.06	The cor. of secs. 21, 22, 27 and 28.
	Land bottom land and mountainous.
	Soil loam and stone, 1st and 3rd rate.
	Timber aspen.
	Mountainous land heavily timbered and land covered with dense undergrowth. 80.06 chs.

	N.0°02'W. bet. secs. 21 and 22.
	Ascending along broken W. slope, through scattering aspen and pine timber and dense chokecherry and deer brush.
40.00	Set sandstone 16x10x5 ins., 11 ins in ground for ¼ sec. cor. mkd. ¼ on W. face; from which
	an aspen 4 ins. diam., bears N. 37° E. 152 lks dist. mkd. ¼ S 22 B T.
	an aspen 4 ins. diam., bears N. 11° W. 111 lks dist. mkd. ¼ S 21 B T.
47.00	Spur ridge, bears NW. and SE., leave aspen, bear with ridge.
	Desc.
80.00	Set sandstone 16x12x6 ins., 11 ins in ground for cor of secs. 15, 16, 21 and 22, mkd.
	2 S on NE.
	12 W on SE. face with 3 notches on S. and E. edges; raise mound of stone 2 ft. base, 1½ ft. high W. of cor.

SUBDIVISION OF T. 2 S. R. 12 W. U. S. B. & M.

Chains.	
	Land mountainous.
	Soil stony, 3rd rate.
	Timber aspen and pine
	Mountainous land, covered with dense undergrowth 80.00 chs.
	S. 89° 58' E. on random line bet. secs. 15 and 22.
40.00	Set temp. ¼ sec. cor.
80.04	Intersect N. and S. line 7 lks S. of the cor. of secs. 14, 15, 22 and 23.
	Thence I run
	S. 89° 59' W. on true line bet. secs. 15 and 22.
	Over rolling bottom land through dense willows.
2.00	Willow Creek 10 lks wide, course S. 30° W.
5.00	Leave willows, bear N. and S.
15.00	Wagon road, bears N. and S.
39.00	Enter dense willows, bear N. and S.
40.02	Set cobble stone 18x12x5 ins., 12 ins. in ground for ¼ sec. cor. mkd. ¼ on N. face; dig pits 18x18x12 ins. E. and W. of stone 3 ft. dists.; raise mound of earth 3½ ft. base, 1½ ft. high N. of cor.
46.80	Branch of Strawberry River, 6 lks. wide, course S.
56.50	Leave willows, bear NW. and SE., road bears NW. and SE.
	Leave bottom land. Asc.
63.50	Spur projects N.
	Desc.
66.25	Ravine 100 ft. deep, course NE.; enter burnt and fallen timber, bear NE. and SW.
	Asc.
80.04	The cor. of secs. 15, 16, 21 and 22.
	Land mountainous and bottom land.

160.08
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SUBDIVISION OF T. 2 S. R. 12 W. U. S. B. & M.

Chains.	
	Soil loam and stony, 1st and 3rd rate.
	Timber burnt and fallen pine.
	Mountainous land and land covered with dense undergrowth
	46.04 chs.

	Knowing the U. I. R. bdy. to be within 1 mile of this cor., I run W. on a true line bet. secs. 16 and 21, ascending over mountainous land through dead and fallen timber.
7.00	Spur ridge, bears E. and W.
	Desc.
10.00	Enter aspen and pine timber. bear N. and S.
18.00	Ravine 250 ft. deep, course S. asc.
	Asc.
40.00	On a ridge, bearing N. and S.
	Set limestone 16x8x5 ins., 11 ins. in ground for ¼ sec. cor. mkd. ¼ on N, face from which
	a pine 4 ins. diam., bears N. 39° E. 31 lks dist. mkd. ¼ S 16 B T.
	a pine 4 ins. diam., bears S. 7° W. 23 lks dist. mkd. ¼ S 21 B T.
47.50	Spur ridge, bears NW. and S. 12° E.; leave aspen, bear NW. and S.
	Desc.
51.00	Head of Draw, course S., asc.
56.00	Spur ridge, bears N. and S. 15° W.
	Desc.
58.10	Enter heavy aspen timber, bear NW. and SE.
	Desc.
59.76	Intersect West Boundary of Uintah Indian Reservation.

SUBDIVISION OF T. 2 S., R. 12 W., U.S.B.& M.

CHAINS	
	Set a sandstone 18x11x4 ins., 12 ins. in the ground, for closing corner of secs. 16 and 21, mkd. C C U I R with 4 grooves on E., and P L on W., with 3 grooves on S. faces; from which
	An aspen 4 ins. diam., bears N. 59½°E. 8 lks. dist. mkd. U I R T 2 S R 12 W S 16 B T.
	An aspen 4 ins. diam., bears S. 57°E. 10 lks. dist. mkd. U I R T 2 S R 12 W S 21 B T.
	From the closing corner the ¼ mile cor. bet. mile posts Nos. 136 and 137, on the bdy., as established by Deputies A.H. and F.M. Brown, under their contract No. 264, bears S. 12°15'W. 7.03 chs.
	Land mountainous.
	Soil stony; 3rd. rate.
	Timber aspen and pine, and burnt timber.
	Mountainous and heavily timbered land. 59.76 chs.
	July 27, 1904.

	July 28, 1904, I set off 40°18½'N. on lat. arc; 19°02'N. on decl. arc, and at 7h. a.m. l.m.t. determine a meridian with the solar at the cor. of secs. 15-16-21 and 22.
	Thence I run,
	N. 0°02'W. bet. secs. 15 and 16
	Descending over mountainous land, through burnt and fallen timber.
9.25	Draw, course E., enter aspen timber, bear E. and W.
	Ascend.
9.50	Road, bears N. 60°W. and E.
18.00	Spur projects S.60°E.
	Descend.
24.00	Ravine 150 ft. deep, course S. 60°E.
	Ascend.
32.00	Spur projects S. 65°E.
	Descend.

SUBDIVISION OF T.2 S., R.12 W., U.S.B.& M.

CHAINS	
40.00	In hollow, course SE.
	Set a quartzite stone 15x11x8 ins., 10 ins. in the ground, for $\frac{1}{4}$ sec. cor., mkd. $\frac{1}{4}$ on W. face; from which
	An aspen 4 ins. diam., bears S. 34°E. 47 lks. dist. mkd. $\frac{1}{4}$ S 15.B T.
	An aspen 8 ins. diam., bears N. 60°W. 109 lks. dist. mkd. $\frac{1}{4}$ S 16.B T.
	Ascend.
45.00	Leave timber, bear NW. and SE.
46.00	Road, bears NW. and SE.; enter bottom land, and dense willows.
49.25	Branch of Strawberry River 10.1ks. wide, course SE.
80.00	Set a cobble stone 13x9x8 ins., 9.ins. in the ground, for cor. of secs. 9-10-15 and 16, mkd. with 4 notches on S., and 3 notches on E. edges; dig pits 18x18x12 ins.in each sec., 5½ lks. dist., raise mound of earth 4 ft. base, 2 ft. high W. of cor.
	Land mountainous.
	Soil stony and loam; 1st. and 3rd. rate.
	Timber aspen and burnt pine.
	Mountainous land; heavily timbered, and covered with dense undergrowth. 80.00 chs.

N. 89°59'E. on a random line, bet. secs. 10 and 15

40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.10	Intersect N. and S. line 3 lks. S. of the cor. of secs. 10-11-14 and 15
	Thence I run,
	S. 89°58'W. on a true line, bet. secs. 10 and 15
	Ascending over mountainous land, through heavy aspen timber, and dense chokecherry and deer brush.
7.50	Spur projects S. 30°E., and a spur projects SW.
	Descend.

CHAINS	
25.00	Leave aspen timber, bear N. and S.
40.05	Enter bottom land.
	Set a sandstone 18x6x4 ins., 12 ins. in the ground, for ¼ sec. cor., mkd. ¼ on N. face; dig pits 18x18x12 ins. E. and W. of stone 3 ft. dist., raise a mound of earth 3½ ft. base, 1½ ft. high N. of cor.
	Over rolling bottom land, through dense sage brush.
46.50	Road, bears N. and S.
48.60	Strawberry River 8 lks. wide, course S. 30°W.; enter dense willows, bear N. and S.
80.10	The cor. of secs. 9-10-15 and 16
	Land mountainous.
	Soil stony; and loam; 1st. and 3rd. rate.
	Timber aspen.
	Mountainous land, covered with dense undergrowth. 80.10 chs.
	Knowing the U I R Rdy. to be less than 1 mile dist., I run,
	W. on a true line, bet. secs. 9 and 16
	Over rolling bottom land, through dense willows and sage brush.
5.85	Dry wash, course S. 30°W.
16.20	Dry wash, course SE.
16.50	Leave bottom land, and dense willows; a trail bears NW. and SE.
	Enter aspen timber, bears NW. and SE.
	Ascend.
40.00	Set a limestone 14x12x8 ins., 10 ins. in the ground, for ¼ sec. cor., mkd. ¼ on N. face; from which
	An aspen 4 ins. diam., bears N. 27°W. 103 lks. dist. mkd. ¼ S 9 B T.
	An aspen 4 ins. diam., bears S. 38°E. 40 lks. dist. mkd. ¼ S 16 B T.

CHAINS

58.58 Intersect West Boundary of Uintah Indian Reservation.

Set a limestone 18x14x6 ins., 12 ins. in the ground, for closing corner of secs. 9 and 16, mkd. C C U I R with 4 grooves on E., P L on W., with 4 grooves on S. faces; from which

An aspen 6 ins. diam., bears N. 10°E. 67. 1lks. dist. mkd. U I R T 2 S R 12 W S 9 B T.

An aspen 4 ins. diam., bears S. 30°E. 55 1lks. dist. mkd. U I R T 2 S R 12 W.S 16 B T.

From the closing corner the No.138th. mile cor.on the bdy. as established by Deputies A.H. and F.H. Brown, under their contract No. 264, bears N. 43°45'W. 7.01 chs.

Land mountainous.

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

Timber aspen.

Mountainous land, heavily timbered, and covered with dense undergrowth. 58.58 chs.

July 28, 1904, at the cor. of secs. 9-10-15 and 16, I set off 18°58½'N. on decl. arc, and at 0 h. 6½m. p.m. l.M.t. observe the sun on the Meridian., the resulting lat. is 40°19½'N.

Thence I run,

N.0°02'W. bet. secs. 9 and 10

Over rolling bottom land, through dense willows.

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

SUBDIVISION OF T. 2 S. R. 12 W. U. S. B. & M.

Chains.	
	3½ ft. [illegible], 1½ ft. [illegible] W. of cor.
80.00	Set quartzite stone 15x8x6 ins., 10 ins. in ground for cor. of secs. 3, 4, 9 and 10 mkd. with 5 notches on S. and 3 notches on E. edge; raise mound of stone 2 ft. base, 1½ ft. high W. of cor.
	Land rolling bottom land.
	Soil loam and stony, 1st and 2nd rate.
	No timber.
	land covered with dense undergrowth 80.00 chs.

	N. 89° 58' E. on random line bet. secs. 3 and 10.
40.00	Set temp. ¼ sec. cor.
79.94	Intersect N. and S. line 3 lks S. of the cor of secs. 2, 3, 10 and 11
	Thence I run
	S. 89° 57' W. on true line bet. secs. 3 and 10.
	Descending through heavy aspen timber.
1.80	Ravine 300 ft. deep, course S.
	Asc.
9.50	Spur ridge, bears N. 30° E. and S. 10° W., leave aspen, bear N. and S. Desc.
39.97	Foot of descent; enter bottom land and sage brush, bear N. and S.
	Set sandstone 18x6x4 ins. 12 ins in ground for ¼ sec. cor mkd. ¼ on N. face; dig pits 18x18x12 ins. E. and W. of stone 3 ft. dist; raise mound of earth 3½ ft. base, 1½ ft. high N. of cor.
	Over rolling bottom land through dense sage brush.
44.60	Road, bears N. and S.
48.60	Strawberry River 8 lks wide, course S. 10° W.; leave bottom land. Asc.

SUBDIVISION OF T. 2 S. R. 12 W. U. S. B. & M.

Chains.	
49.20	Spur projects S. 35° E.
	Desc.
55.00	Hollow, course S. 40° E.
	Asc.
65.50	Road, bears N. and S.
79.94	The cor. of secs. 3, 4, 9 and 10.
	Land mountainous and rolling bottom land.
	Soil stony and loam, 1st and 3rd rate.
	Timber aspen.
	Mountainous land or lands covered with dense undergrowth or heavy timber 79.94 chs.

	Knowing that the U. I. R. bdy. is less than 1 mile dist. from this cor. I run
	W. on true line bet. secs. 4 and 9.
	Over rolling ground through dense sage brush.
4.60	Dry wash course S. 30° W.
	Asc.
18.00	Spur projects S. 20° E.
	Desc.
30.00	Ravine 250 ft. deep, course SE.; enter heavy aspen timber, bear N. and S.
	Asc.
40.00	On a spur projects SE.
	Set sandstone 16x11x7 ins., 11 ins. in ground for ¼ sec. cor. mkd. ¼ on N. face; from which
	an aspen 10 ins. diam., bears N. 55° E. 42 lks dist. mkd. ¼ S 4 B T.
	an aspen 5 ins. diam., bears S. 2° E. 55 lks dist. mkd. ¼ S 9 B T.

SUBDIVISION OF T.2 S., R.12 W., U.S.B.& M.

CHAINS	
	Descend.
48.00	Hollow, course S. 30°E.
	Ascend,
55.35	Road, bears NE. and SW.
55.60	Intersect West Boundary of Uintah Indian Reservation.
	Set a cobblestone 14x10x10 ins., 10 ins. in the ground, for closing corner of secs. 4 and 9, mkd. C C U I R with 4 grooves on E., P L on W., with 5 grooves on S. faces; from which
	An aspen 10 ins. diam., bears N. 89°E. 119 lks. dist. mkd. U I R T 2 S R 12 W S 4 B T.
	An aspen 18 ins. diam., bears S. 76°E. 124 lks. dist. mkd. U I R T 2 S R 12 W S 9 B T
	From the closing corner the No. 139th. mile cor., on the Bdy. as established by Deputies A.H. and F.M. Brown, under their contract No. 264, bears S. 37°W. 0.54 chs.
	Land mountainous.
	Soil stony; 3rd. rate.
	Timber aspen.
	Mountainous land; heavily timbered, and covered with dense undergrowth. 55.60 chs.

	From the cor. of secs. 3-4-9 and 10, I run,
	N.0°02'W. on a random line, bet. secs. 3 and 4
40.00	Set temp. ¼ sec. cor.
79.46	Intersect N. bdy. of Tp. 30 lks. E. of the cor. of secs. 3- 4-33 and 34, previously described.
	Thence I run,
	S. 0°15'E. on a true line, bet. secs. 3 and 4
	Descending over mountainous land, through heavy aspen timber.
9.60	Canal 6 lks. wide, course SW.
27.00	Heber Canal 6 lks. wide, course NW.

SUBDIVISION OF T.2 S., R.12 W.,U.S.B.& M.

CHAINS	
34.00	Ravine, course SE.
	Ascend.
36.00	Spur projects SE.
	Descend.
39.46	Set a sandstone 18x12x8 ins., 12 ins. in the ground, for $\frac{1}{4}$ sec. cor., mkd. $\frac{1}{4}$ on W. face; from which
	An aspen 8 ins. diam., bears S. 40°E. 44 lks. dist. mkd. $\frac{1}{4}$ S 3 B T.
	An aspen 10 ins. diam., bears N. 60°W. 38 lks. dist. mkd. $\frac{1}{4}$ S 4 B T.
53.45	Spring branch, course SE.; 1 lk.wide.
63.30	Enter bottom land and sage brush; leave aspen timber, bear NE. and SW.
79.46	The cor. of secs. 3-4-9 and 10
	Land mountainous and rolling.
	Soil stony; 3rd. rate.
	Timber aspen.
	Mountainous and heavily timbered land, covered with dense undergrowth. 79.46 chs.

July 28, 1904.

July 29, 1904, at 7h. a.m. l.m.t. I set off 18°48'N. on decl. arc; 40°16'N. on lat. arc, and determine a true meridian at the cor. of secs. 4-5-32 and 33 on the S. bdy.of T.2 S.,R.12 W. previously described.

Thence I run,

N.0°03'W. bet. secs. 32 and 33

Ascending over mountainous land, through heavy aspen and pine timber.

SUBDIVISION OF T. 2 S. R. 12 W. U. S. B. & M.

Chains.	
6.00	Spur ridge, bear E. and W.
	Desc. over broken country sloping NE.
34.00	Leave aspen and pine timber; enter heavy fallen timber, bears E. and W.
40.00	Set sandstone 14x8x6 ins., 10 ins. in ground for ¼ sec. cor. mkd. ¼ on W. face; from which;
	a balsam 12 ins. diam., bears N. 40° E. 65 lks dist. mkd. ¼ S 33 B T.
	a balsam 12 ins. diam., bears N. 75° W. 85 lks dist. mkd. ¼ S 32 B T.
	Enter aspen and pine timber; leave fallen timber, bear E. and W..
54.76	Abrupt descent.
73.00	Ravine 350 ft. deep, course NE.
	Asc.
80.00	Set a porphyry stone 15x12x11 ins 10 ins. in ground fpr cor. of secs. 28, 29, 32 and 33, mk d. with 1 notch on S. and 4 notches on E. edge; from which
	an aspen 4 ins. diam., bears N. 13° E. 55 lks dist. mkd. T 2 S R 12 W S 28 B T.
	an aspen 5 ins. diam., bears S. 13° E. 28 lks dist. mkd. T 2 S R 12 W S 33 B T.
	an aspen 4 ins. diam., bears S. 63° W. 24 lks dist. mk d. T 2 S R 12 W. S 32 B T.
	an aspen 4 ins. diam., bears N. 55° W. 42 lks dist. mkd. T 2 S R 12 W. S 29 B T.
	Land mountainous.
	Soil stony, 2nd and 3rd rate.
	Timber aspen and pine

SUBDIVISION OF T. 2 S. R. 12 W. U. S. B. & M.

Chains.	
	Mountainous land heavily timbered 80.00 chs.
	E. on random line bet. secs. 28 and 33.
40.00	Set temp. ¼ sec. cor.
80.04	Intersect N. and S. line 5 lks. S. of the cor of secs. 27, 28, 33 and 34.
	Thence I run
	S. 89° 58' W. on true line bet. secs. 28 and 33.
	Ascending over mountainous land through heavy aspen timber and dense sarvice, squaw and laurel brush
14.00	Enter dead and fallen timber, bear N. and S.
34.50	Spur projects NE.
	Desc.
40.02	Set sandstone 16x12x8 ins., 11 ins. in ground for ¼ sec. cor. mkd. ¼ on N. face; from which
	an aspen 4 ins. diam., bears N. 89° W. 73 lks dist. mkd. ¼ S 28 B T.
	an aspen 5 ins. diam., bears S. 18½° W. 71 lks dist. mkd. ¼ S 33 B T.
72.00	Creek 2 lks wide in ravine 250 ft. deep, course NE.
	Head of canal, course N.
	Asc.
80.04	The cor. of secs. 28, 29, 32 and 33.
	Land mountainous.
	Soil stony, 2nd and 3rd rate.
	Timber aspen.
	Mountainous and heavily timbered land covered with dense undergrowth 80.04 chs.

SUBDIVISION OF T. 2 S. R. 12 W. U. S. B. & M.

Chains.	
	N. 0° 03' W. bet. secs. 28 and 29.
	Ascending over mountainous land through heavy scrub aspen timber and dense chokecherry, deer and squaw brush.
11.00	Spur projects NE.; enter heavy fallen timber.
	Desc.
40.00	Set sandstone 13x9x8 ins., 9 ins. in ground for ¼ sec. cor. mkd. ¼ on W. face; from which
	an aspen 4 ins. diam., bears N. 63° E. 61 lks dist.
	mkd. ¼ S 28 B T.
	an aspen 4 ins. diam., bears S. 68° W. 81 lks dist.
	mkd. ¼ S 29 B T.
65.00	Abrupt descent.
72.48	Canal 3 lks wide by 1 ft. deep, course W.
80.00	Set sandstone 13x9x7 ins., 9 ins. in ground for cor of secs. 20, 21 28 and 29, mkd. with 2 notches on S. and 4 notches on E. edge; from which
	an aspen 4 ins. diam., bears N. 37½° E. 111 lks dist.
	mkd. T 2 S R 12 W S 21 B T.
	an aspen 5 ins. diam., bears S. 36° E. 94 lks dist.
	mkd. T 2 S R 12 W S 28 B T.
	an aspen 4 ins. diam., bears S. 35° W. 32 lks dist.
	mkd. T 2 S R 12 W S 29 B T.
	an aspen 4 ins. diam., bears N. 63½° W. 57 lks dist.
	mkd. T 2 S R 12 W S 20 B T.
	Land mountainous.
	Soil stony, 3rd rate.
	Timber aspen and fallen timber.
	Mountainous land heavily timbered and covered with dense undergrowth 80.00 chs.

SUBDIVISION OF T. 2 S. R. 12 W. U. S. B. & M.

Chains.	
	July 29, at this cor. I set off 18° 44' N. on decl. arc, and at 0 h. 6m. p.m. l. m. t. observe the sun on the mer. the resulting lat is 40° 17½' N.
	N. 89° 58' E, on random line bet. secs. 21 and 28.
40.00	Set temp. ¼ sec. cor.
80.10	Intersect N. and S. line 7 lks S. of the cor of secs. 21, 22, 27 and 28
	Thence I run
	S. 89° 55' W. on true line bet. secs 21 and 28.
	Over rolling bottom land through dense sage brush.
6.25	Road, bears NW. and SE.
7.40	Road, bears NW. and SE. ;Heber to Vernal.
8.00	Enter dense willows, bears N. and S.
12.00	Dry wash 10 lks wide, 3 ft. deep, course SE.
34.00	Leave willows, bear NW. and SE.
40.05	Set sandstone 18x8x6 ins., 12 ins. in ground for ¼ sec. cor. mkd. ¼ on N. face; raise mound of stone 2ft. base, 1½ ft. high N. of cor.
46.45	Road, bears NW. and SE.
49.50	Enter heavy aspen, bear NW. and SE.
64.85	Sheep corral on line.
80.10	The cor. of secs. 20, 21, 28 and 29.
	Land rolling bottom land.
	Soil loam and stony, 1st and 2nd rate.
	Timber aspen.
	Rolling land heavily timbered and covered with dense sage and willow undergrowth 80.10 chs.

SUBDIVISION OF T.2 S., R.12 W., U.S.S.& M.

CHAINS	
	N.0°03'W. bet. secs. 20 and 21
	Descending through dense sage brush, and heavy aspen timber.
1.80	Enter dense willows, bear E. and W., Creek 8 lks. wide, course N. 75°E.
	Over rolling ground.
6.45	Dry channel, course N. 60°E., leave willows, enter dense sage brush, bear with channel.
7.26	Road, bears N. 60°E. and S. 60°W.
28.00	Descend.
29.30	Draw, course N. 75°E., leave aspen timber, bear E. and W.
	Ascend.
32.55	Spur projects SE.
	Descend.
39.45	Dry wash in bottom of draw, course SE.
	Gradual ascent.
40.00	Set a sandstone 13x9x5 ins., 9 ins. in the ground, for ¼ sec. cor., mkd. ¼ on W. face; from which
	An aspen 7 ins. diam., bears S. 82½°W. 141 lks. dist.
	mkd. ¼ S 20 B T.
	No other trees within limit; raise a mound of stone 2 ft. base, 1½ ft. high W. of cor.
45.00	Enter dense aspen timber, bears E. and SW.
56.00	Leave aspen timber, bears E. and W.
61.85	Road, bears NW. and SE.
77.00	Enter aspen timber, bears E. and W.
78.13	Intersect West Boundary of Uintah Indian Reservation.
	Set a sandstone 24x10x7 ins., 18 ins. in the ground, for closing corner of secs. 20 and 21, mkd. CCUIR and 3 grooves on S., PL on N. and 4 grooves on E. face; from which
	An aspen 4 ins. diam., bears S. 40½°E. 55 lks. dist.
	mkd. U I R T 2 S R 12 W S 21 B T.
	An aspen 7 ins. diam., bears S. 84½°W. 57 lks. dist.
	mkd. U I R T 2 S R 12 W S 20 B T.

SUBDIVISION OF T.2 S., R.12 W., U.S.B.& M.

CHAINS	
	From the closing corner the No. 136th. mile post, on the bdy. as established by Deputies A.H. and F.M. Brown, under their contract No. 264, bears as follows, N.66°45'W. 3.45 chs. to angle cor., thence S.26°45'W. 13.00 chs. to mile post No. 136.
	Land broken.
	Soil stony; 2nd. and 3rd. rate.
	Timber aspen.
	Broken land, heavily timbered, and covered with dense undergrowth. 78.13 chs.

	From the cor. of secs. 5-6-31 and 32 on S. bdy. of Tp. 2 S., R.12 W., previously described, I run
	N.0°04'W. bet. secs. 31 and 32
	Descending over mountainous land, through heavy pine, aspen and fallen timber.
40.00	Set a quartzite stone 14x10x8 ins., 10 ins. in the ground, for ¼ Sec. cor., mkd. ¼ on W. face; from which
	A pine 15 ins. diam., bears S. 74°E. 94 lks. dist. mkd. ¼ S 32 B T.
	A pine 8 ins. diam., bears N. 94°W. 148 lks. dist. mkd. ¼ S 31 B T.
61.90	Ravine 400 ft. deep, course NE.; ascend.
80.00	On spur projecting E.,
	Set a quartzite stone 16x8x8 ins., 11 ins. in the ground, for cor. of secs. 29-30-31 and 32, mkd. with 1 notch on S., and 5 notches on E. edges; from which
	An aspen 10 ins. diam., bears N. 50°E. 50 lks. dist. mkd. T 2 S R 12 W S 29 B T.
	An aspen 6 ins. diam., bears S. 59°E. 56 lks. dist. mkd. T 2 S R 12 W S 32 B T.
	An aspen 8 ins. diam., bears S. 50°W. 38 lks. dist. mkd. T 2 S R 12 W S 31 B T.

SUBDIVISION OF T.2 S., R. 12 W., U.S.B.& M.

Chains.	
	An aspen 6 ins.diam.bears N.48°W.27 lks.dist.
	mkd. T.2 S R 12 W S 30 B T
	Land mountainous.
	Soil stony, 2nd and 3rd rate.
	Timber aspen and pine.
	Mountainous and heavily timbered land, 80.00 chs.
	July 29, 1904.

	July 30, at 7 h.a.m.l.m.t.I set off 40°17'N.on lat.arc; 18°34'N.on decl.arc; and determine a mer.with the solar at the cor.of secs.29,30,31, and 32.
	Thence I run
	E.on random line bet.secs.29 and 32,
40.00	Set temp.¼ sec.cor.
80.14	Intersect N. and S.line 9 lks.N.of the cor.of secs.28, 29,32, and 33. Thence I run
	N.89°56'W.on true line bet.secs.29 and 32,
	Ascending over mountainous land; through heavy aspen timber,dense chokecherry, laurel, and squaw brush.
25.00	Spur projects N.60°E.
	Descend along broken N.slope.
40.07	Set a porphyry stone 12x11x10 ins., 8 ins.in ground for ¼ sec.cor.,mkd. ¼ on N.face; form which
	An aspen 10 ins.diam.bears N.18°W.31 lks.
	dist.,mkd. ¼ S 29 B T.
	An aspen 18 ins.diam.bears S.11 lks.dist.,
	mkd. ¼ S 33 B T
	Ascend along broken N.slope.
60.50	Cross spur ridge, bears N.80°W. and S.80°E., along broken S.slope.
80.14	The cor.of secs.29,30,31, and 32.
	Land mountainous.
	Soil stony; 4th rate.
	Timber aspen.

SUBDIVISION OF T. 2 S., R.12 W., U.S.B. & M.

Chains.	
	Mountainous land heavily timbered and covered with dense undergrowth 80.14 chs.

To establish initial point for Third Guide Meridian West, West, I run, as instructed, from corner of sections 29, 30,31, and 32,

West on true line bet.secs.30 and 31,

Ascending over mountainous land; through heavy aspen and scattering pine timber.

12.00 Cross ridge bears N.85°E. and S.70°W.

Descend along broken N.slope.

40.00 Set a porphyry stone 15x14x5 ins.,10 ins.in ground,for $\frac{1}{4}$ sec.cor.,mkd.$\frac{1}{4}$ on N.face; from which

A pine 26 ins.diam.bears N.43°E.39 lks. dist., mkd. $\frac{1}{4}$ S 30 B T

A pine 10 ins.diam.bears S.48°W.42 lks.dist. mkd. $\frac{1}{4}$ S 31 B T

46.00 Recross ridge bears N.70°W. and S.75°E., along broken S.slope.

57.25 Spring drains SE.

74.00 Leave timber, bears NW. and SE.

78.68 Allowing for convergency,

Set a sandstone 16x14x8 ins.,11 ins.in ground for cor. of secs.25,30,31, and 36 on W.bdy.of Tp.or Third Guide Meridian West, mkd. with 5 notches on N. and 1 notch on S.edges; and raise a mound of stone 2 ft.base 1½ ft. high W.of cor., for initial point for Third Guide Meridian West, as per instructions.

Land mountainous.

Soil stony; 4th rate.

Timber aspen and pine.

SUBDIVISION OF T. 2 S. R. 12 W. U. S. B. & M.

Chains.	
	Mountainous and heavily timbered land 78.68 chs.
	From the cor. of secs. 29, 30, 31 and 32 I run
	N.0°04' W. bet. secs. 29 and 30.
	Over mountainous land through heavy aspen and pine and
	fallen timber.
0.50	Top of ridge, bears E. and W.
	Desc.
31.75	Ravine 350 ft. deep, course N. 70° E., Asc.
40.00	On Spur projects NE.
	Set quartzite stone 15x9x6 ins., 10 ins. in ground for ¼
	sec. cor., mkd. ¼ on W. face; from which
	a pine 4 ins. diam., bears S. 75° E. 24 lks dist.
	mkd. ¼ S 29 B T.
	a pine 4 ins. diam., bears N. 32° W. 127 lks dist.
	mkd. ¼ S 30 B T.
	Desc.
44.50	Hollow, course E.
	Asc.
80.00	Set quartzite stone 15x10x6 ins., 10 ins. in ground for
	cor of secs. 19, 20, 29 and 30, mkd. with 2 notches on
	S. and 5 notches on E. edge; from which
	an aspen 12 ins., diam, bears N. 34° E. 39 lks dist.
	mkd. T 2 S R 12 W S 20 B T.
	an aspen 12 ins. diam., bears S. 62° E. 7 lks dist.
	mkd. T 2 S R 12 W S 29 B T.
	an aspen 4 ins. diam., bears S. 60° W. 31 lks dist.
	mkd. T 2 S R 12 W S 30 B T.
	an aspen 4 ins. diam., bears N. 66° W. 31 lks dist.
	mkd. T 2 S R 12 W S 19 B T.

SUBDIVISION OF T. 2 S. R. 12 W. U. S. B. & M.

Chains.	
	Land mountainous.
	Soil stony, 3rd rate.
	Timber aspen and pine and fallen timber.
	Mountainous land heavily timbered 80.00 chs.
	July 30, at this cor. I set off 18° 30' N. on decl arc, and at 0 h. 6 m p. m. l. m. t. observe the sun on the mer., the resulting lat, is 40° 17 1/2' N.
	S. 89° 56', E. on random line bet. secs. 20 and 29.
40.00	Set temp. 1/4 sec. cor.
79.94	Intersect N. and S. line 5 lks S. of the cor of secs. 20, 21, 28 and 29
	Thence I run
	N. 89° 58' W. on true line bet. secs 20 and 29.
	Ascending over mountainous land through heavy aspen and dead and fallen timber.
3.00	Spur projects N.,
	Desc.
5.50	Creek, 2 lks wide, course NE.
	Asc.
9.20	Road, bears NE. and SW.
14.00	Canal, course N. 20° E.
39.97	Set cobble stone 15x10x5 ins. 10 ins. in ground for 1/4 sec. cor mkd. 1/4 pn N. face; from which
	an aspen 9 ins. diam., bears N. 56° E. 39 lks dist. mkd. 1/4 S 20 B T.
	an aspen 5 ins. diam., bears S. 10° W. 52 lks dist. mkd. 1/4 S 29 B T.
79.94	The cor of secs. 19, 20, 29 and 30.
	Land mountainous.

CHAINS

Soil stony; 3rd. rate.

Timber aspen.

Mountainous and heavily timbered land. 79.94 chs.

N. 0°04'W. bet. secs. 19 and 20

Descending through heavy aspen, and fallen, and scattering pine timber.

34.00 Spring branch 3 lks. wide, in ravine 200 ft. deep, course E.

Ascend.

40.00 Set a quartzite stone 16x14x5 ins., 11 ins. in the ground for $\frac{1}{4}$ sec. cor., mkd. $\frac{1}{4}$ on W. face; from which

An aspen 6 ins. diam., bears N. 31°E. 22 lks. dist. mkd. $\frac{1}{4}$ S 20 B T.

An aspen 4 ins. diam., bears N. 70°W. 37 lks. dist. mkd. $\frac{1}{4}$ S 19 B T.

42.50 Spur projects NE.

Descend.

64.37 Creek 10 lks. wide, in ravine 400 ft. deep, course NE.

Leave timber, enter dense chokecherry brush, bear NE. and SW., ascend.

74.00 Top of divide, bears NE. and SW.

75.45 Intersect West Boundary of Uintah Indian Reservation.

Set a quartzite stone 22x14x12 ins., 15 ins. in the ground, for closing corner of secs. 19 and 20, mkd C C U I R with 3 grooves on S., P L on N., with 5 grooves on E. faces; Raise a mound of stone 2 ft. base, 1½ ft. high S. of cor.

From the closing corner the No. 135th. mile post on the bdy. as established by Deputies A.H. and F.M. Brown, Under their contract No. 264, bears

S. 70°45'W. 14.73 chs.

Land mountainous.

Soil stony; 3rd. rate.

Timber aspen and pine.

SUBDIVISION OF T.2 S., R.12 W., U.S.B.& M.

CHAINS	
	Mountainous land; heavily timbered, and covered with dense undergrowth. 75.45 chs.
	July 30, 1904.
	July 31, 1904, at 4h. p.m. l.m.t. I set off 18°13'N. on decl. arc, 40°18'N. on lat. arc, and determine a true meridian with the solar, at the cor. of secs. 19-20-29 and 30.
	Thence I run, W. on a random line bet. secs. 19 and 30
40.00	Set temp. ¼ sec. cor. [illegible] bet. secs. 19 and 30
78.57	Allowing for convergency
	Intersect 3d Guide Mer. W. 7 lks. N. of the cor. of secs. 19 24-25 and 30, previously described.
	Thence I run,
	N. 89°57'E. on a true line, bet. secs. 19 and 30
	Ascending over mountainous land.
7.00	Enter heavy aspen and pine timber, bear NE. and SW.
38.57	Set a cobblestone 16x12x4 ins., 11 ins. in the ground, for ¼ sec. cor., mkd. ¼ on N. face; from which
	A pine 8 ins. diam., bears N. 12°E. 53 lks. dist. mkd. ¼ S 19 B T.
	A pine 10 ins. diam., bears S. 50°E. 80 lks. dist. mkd. ¼ S 30 B T.
43.00	Top of broad flat spur, projects NE., over rolling ground, through heavy aspen timber.
78.57	The cor. of secs. 19-20-29 and 30
	Land Mountainous.
	Soil stony; 2nd. and 3rd. rate.
	Timber aspen.
	Mountainous and heavily timbered land. 78.57 chs.
	From the cor. of secs. 13-18-19 and 24 on W. bdy. of Tp. or Third Guide Meridian West, previously described

SUBDIVISION OF T.2 S., R.12 W., U.S.B.& M.

CHAINS	
	I run,
	E. on a true line, bet. secs. 18 and 19
	Descending over mountainous land, through heavy aspen timber.
18.55	Spring branch,3 lks.wide,course SE.
38.48	Allowing for convergency Set a lime stone 22x10x6 ins., 15 ins. in the ground, for $\frac{1}{16}$ sec. cor., mkd. $\frac{1}{4}$ on N. face; from which
	An aspen 10 ins. diam., bears N. 29°W. 4 lks. dist.
	mkd. $\frac{1}{4}$ S 18 B T.
	An aspen 12 ins.diam., bears S. 37°W. 24 lks. dist.
	mkd. $\frac{1}{4}$ S 19 B T.
49.10	Intersect west Boundary of Uintah Indian Reservation.
	Set a quartzite stone 24x12x8 ins., 18 ins. in the ground for closing corner of secs. 18 and 19, mkd. C C U I R and 1 groove on W.,P L on E. with 3 grooves on South faces; from which
	An aspen 12 ins. diam., bears N. 56°W. 6 lks. dist.
	mkd. U I R T 2 S R 12 W S 18 B T.
	An aspen 12 ins.diam., bears S. 45°W. 53 lks. dist.
	mkd. U I R T 2 S R 12 W S 19 B T.
	From the closing corner the $\frac{1}{16}$ mile cor. bet. Nos. 134 and 135 mile posts, on the bdy. as established by Deputies A.H. and F.M. Brown, under their contract No. 264, bears N. 10°W. 11.33 chs.
	Land mountainous.
	Soil stony; 2nd. and 3rd. rate.
	Timber aspen.
	Mountainous land; heavily timbered. 49.10 chs.
	July 31, 1904.

SUBDIVISION OF T.2 S., R.12 E., U.S.B.& M.

General Description.

In this township there is most every variety of land, from steep, rough mountains, to level bottom land. The mountainous portions of the township are quite stony, but produce rich, nutritious grasses, and are therefore splendid grazing land.

The soil of the bottom land, along the Strawberry River, and its larger tributaries, is of a very rich character, and would make splendid ranch and hay land, but the altitude of the land--6000 to 7000 ft.-- is most too great and therefore the summer season too short to mature farm produce.

The land is at present, very much over stocked with sheep and cattle; most of the stock for which grazing permits have been issued, being concentrated on the western portion of the reservation.

There is considerable aspen and pine timber on the mountains of the township, but there is very little saw timber among it, and a large portion of the aspen is too small to be of any value at present.

Chokecherry, deer and squaw brush grow very dense on higher land, and as a general rule, the sage brush is very dense in the river bottom and valleys.

The Strawberry River heads in this township, and the township is abundantly watered. Part of the water from the western portion of the township, and also some from the northern part, is at present being taken outside of the reservation by means of canals, and utilized in the Provo Valley.

There is no mineral in this township, and no settlers have as yet taken up land here.

James McKinney

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 final affidavits see book "P" T. 1 S.R.12 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 .....

For final affidavits see book "P" T.1 S.R.12 W. ....., *Chainman.*

....., *Chainman.*

....., *Moundman.*

....., *Moundman.*

....., *Axman.*

....., *Axman.*

....., *Flagman.*

.....

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

.....

.....

SEAL

6-161

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 "P" T.1 S.R.12 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; and should any fraud be detected, I will suffer the penalty of perjury under the provisions of an Act of Congress approved August 8, 1846.

_____

United States Deputy Surveyor.

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

SEAL

_____

_____

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, December 31, 1904.

The foregoing field notes of the survey of the Subdivisional lines of Township No.2 South, Range No.12 West of the Uintah Special Base and Meridian, Utah;

executed by James M.Lentz under his contract No. 280, dated July 22, 190 3, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Edward M. Anderson

United States Surveyor General.

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

_____

United States Surveyor General.

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BOOK A-315

FILED
OCT 31 1904

L.

FIELD NOTES

OF THE SURVEY OF THE

Ge.

Third Guide
Meridian West
through
Township No. 2 South.

Of the Uintah Special Base and Meridian,
In the State of Utah.

AS SURVEYED BY

James M. Lentz, United States Deputy Surveyor,

Under his Contract No. 280, dated July 22nd, 1903.

Survey commenced July 3rd, 1904

Survey completed 31st, 1904

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Sup 53.77
Clg 38.39

BOOK A-315

NAMES AND DUTIES OF ASSISTANTS.

Lawrence Swan	Chainman
William Longnecker	"
Oliver W. Lemar	"
Samuel M. Ballard	"
Dexter A. McBride	Roundman
John N. Carroll	"
John N. Carroll	Axman
David J. Marchant,	Flagman.

BOOK A-315

INDEX DIAGRAM.

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

Meanders Page.....

PRELIMINARY OATHS OF ASSISTANTS.

WE, Lawrence Swan, Oliver W. Lemar, William Longsnecker and Samuel M. Ballard.

do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain over even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of 3rd Guide Meridian West through Tp. 2 S. Uintah Special Base & Meridian State of Utah

Lawrence Swan
Oliver W Lemar

William Longsnecker, Chainman.
Samuel M Ballard, Chainman.

Subscribed and sworn to before me this 7th day of June, 1904

James M Lenby
U.S. Deputy Surveyor

SEAL

WE, Dexter A. McBride and John N. Carroll

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 3rd Guide Meridian West through Tp. 2 S. U.S. B & M. State of Utah

Dexter A McBride, Moundman.
John N Carroll, Moundman.

Subscribed and sworn to before me this 7th day of June, 1904

James M Lenby
U.S. Deputy Surveyor

SEAL

I WE, John N. Carroll and

do solemnly swear that ~~we~~ I will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given ~~us~~ me, to the best of ~~our~~ my skill and ability, in the survey of 3rd Guide Meridian West through Tp. 2 S. U.S. B & M. State of Utah

John N Carroll, Axman.
, Axman.

Subscribed and sworn to before me this 7th day of June, 1904

James M Lenby
U.S. Deputy Surveyor

SEAL

I, David J. Marchant, 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 3rd Guide Meridian W. through Tp. 2 S. U.S. B & M. State of Utah.

David J. Marchant, Flagman.

Subscribed and sworn to before me this 7th day of June, 1904

James M Lenby
U.S. Deputy Surveyor

SEAL

Survey commenced July 30, 1904, and executed with the instrument described in book "A" of this survey.

I began at the cor.of secs.25,30,31, and 36 of Tps.2 S. Rs.12 and 13 W.,lat.40°16'46"N.;long.111°19'32"W., which is a sandstone 16x14x8 ins., 11 ins.in ground, marked with 5 notches on N.and 1 notch on S.edge,with mound of stone 2 ft.base 1½ ft.high W.of cor.,set for initial point for 3d Guide Meridian W.,78.68 chs.W.of cor.of secs.29,30,31, and 32 T.2 S., R.12 W., as per instructions.

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

At 5 h.p.m.l.m.t.I set off 40°17'N.on lat.arc;18°27½'N.on decl.arc; and determine a meridian with the solar,and mark the meridian thus determined by a cross cut in a stone firmly set in the ground 5 chs.N.of my station.

At 10h.55½m.p.m.l.m.t.I observe Polaris at eastern elongation in accordance with instructions in the Manual, and mark a point in the line thus determined with a tack driven in a peg in the ground 5 chs.N.of my station.

July 30, 1904.

July 31,1904: At 6h.a.m.l.m.t.I lay off the azimuth of Polaris 1°34½'to the west. The meridian thus determined falls on a pole held on the point cut on stone to mark the meridian determined by solar observation, July 30, 1904.

At 7h.a.m.l.m.t.I set off 40°17'N.on lat.arc; 18°19'N. on decl.arc; and determine a meridian with the solar; the meridian thus determined falls on a pole held on the cross cut in the stone, to mark the meridian de-

Chains.

termined by p.m.solar observation, and tested by observation on Polaris.

The solar apparatus by p.m.and a.m.observations defines the same position for the meridian as that obtained by observations on Polaris; therefore I conclude that the adjustments of the instrument are correct.

The magnetic bearing of the true meridian at 7h.30m.a.m. is N.16°45'E.; the angle thus determined gives the mag.decl.16°45'E.

From said cor.of secs.25,30,31, and 36 I run

South between secs.31 and 36,

Over mountainous land.

Difference bet.measurements of 7.62 chs.by two sets of chainmen is 1 lk; position of middle point

By 1st set 7.62½ chs.

By 2d set 7.61½ chs., the mean of which is

7.62 Intersect W.Bdy.of Uintah Indian Reservation,

Set a sandstone 13x14x9 ins., 9 ins.in the ground,for closing cor.of Tp.2 S., Rs.12 and 13 W., mkd.CCUIR, with P L on S.face, with 6 grooves on E.and W.faces; raise a mound of stone 2 ft.base 1½ ft.high N.of cor. From the closing cor.the 130th.mi.cor.as established by Deputies A.H.and F.M.Brown bears N.44°W.19.42 chs.

Land mountainous.
Soil stony;3d rate.
No timber.
Mountainous land 7.62 chs.

From the cor.of secs.25,30,31, and 36, I run

North bet.secs.25 and 30,

Ascending over mountainous land.

9.75 Spur projects E.; enter heavy pine timber bears E.and W.

Descend.

33.00 Head of ravine 400 ft.below sec.cor.,course NE.Ascend.

Leave pine; enter aspen timber bears NE. and SW.

3RD GUIDE MERIDIAN W. THROUGH TPS. 2 S. BETWEEN RS. 12 & 13 W.

Chains.	
	Difference bet. measurements of 40.00 chs. by two sets of chainmen is 10 lks; the position of the middle point
	By 1st set 40.05 chs.
	By 2nd set 39.95 chs., the mean of which is
40.00	Set sandstone 18x12x10 ins. 12 ins. in ground for ¼ sec. cor. mkd. ¼ on W. face; from which
	an aspen 12 ins. diam., bears N. 7° E. 75 lks dist. mkd. ¼ S 30 B T.
	an aspen 20 ins. diam., bears N. 8° W. 78 lks dist. mkd. ¼ S 25 B T.
45.00	Spur projects NE.
	Desc.
76.00	Leave timber, bear NE. and NW.
	Difference bet. measurements of 80.00 chs. by two sets of chainmen is 16 lks; the position of the middle point
	By 1st set is 80.08 chs.
	By 2nd set, 79.92 chs. the mean of which is
80.00	Set sandstone 16x10x7 ins., 11 ins. in ground for cor. of secs. 19, 24, 25 and 30, mkd. with 2 notches on S. and 4 notches on N. face; raise mound of stone 2 ft. base, 1½ ft. high W. of cor.
	Land mountainous.
	Soil stony, 3rd rate.
	Timber pine and aspen.
	Mountainous and heavily timbered land 80.00 chs.

	N. bet. secs. 19 and 24.
	Descend over mountainous land.
3.50	Ravine 400 ft. deep, course NE.; enter aspen and pine timber., bear NE. and SW.
	Asc.

3RD GUIDE MERIDAN W. THROUGH TPS. 2 S BETWEEN RS. 12 & 13 W.

Chains.	
27.00	Spur projects E.
	Desc.
	Difference of measurements of 40.00 chs. by two sets of chainmen is 2 lks; the position of the middle point
	By 1st set, 40.04 chs.
	By 2nd set, 39.96 chs., the mean of which is
40.00	Set cobble stone 20x8x3 ins., 15 ins. in ground for ¼ sec. cor mkd. ¼ on W. face; from which
	an aspen 8 ins. diam., bears N. 40° E. 51 lks dist. mkd. ¼ S 19 B T.
	an aspen 14 ins. diam., bears N. 9° W. 132 lks dist. mkd. ¼ S 24 B T.
44.20	Drag road, bears E. and W.
55.30	Spring branch 1 lk wide, course NE.
	Asc.
72.00	Top of knoll.
	Desc.
	Difference of measure ments of 80.00 chs. by 2 sets of chainmen is 14 lks; the position of middle point
	By 1st set, 80.07 chs.
	By 2nd set, 79.93 chs., the mean of which is
80.00	Set sandstone 24x14x6 ins., 18 ins. in ground for cor. of secs. 13, 18, 19 and 24. mkd. with 3 notches on S. and N. edges; from which
	an aspen 7 ins. diam., bears N. 74° E. 39 lks dist. mkd. T 2 S R 12 W S 18 B T.
	an aspen 9 ins. diam., bears S. 16° E. 30 lks dist. mkd. T 2 S R 12 W S 19 B T.
	an aspen 5 ins. diam., bears N. 59° W. 43 lks dist. mkd. T 2 S R 13 W S 13 B T.

THIRD GUIDE MERIDIAN WEST THROUGH T.2 S.,BET.RS. 12 and 13

CHAINS	
	An aspen 10 ins. diam. bears S. 42°W. 32 lks. dist. mkd. T 2 S R 13 W S 24 B T .
	Land mountainous.
	Soil stony; 3rd. and 4th. rate.
	Timber aspen and pine.
	Mountainous and heavily timbered land. 80.00 chs. √
	N. bet. secs. 13 and 18
	Ascending over mountainous land, through heavy aspen and pine timber.
3.50	Ridge bears NE. and SW.,desc.
10.00	Hollow, course E. Pond, 3 chs. diam. and 1 ch. E. of line. Ascend.
	Difference bet. measurements of 40.00 by 2 sets of chainmen is 12 lks.; the position of the middle point
	By 1st.set 40.06 chs.
	By 2nd.set 39.94 chs. the mean of which is
40.00	Set a cobblestone 15x10x4 ins. 10 ins. in the ground, for ¼ sec. cor., mkd. ¼ on W. face; from which
	An aspen 8 ins. diam. bears N.85°W. 33 lks. dist. mkd. ¼ S 13 B T.
	An aspen 14 ins. diam. bears S. 54°E. 49 lks. dist. mkd. ¼ S 18 B T.
	Difference between measurements of 46.15 chs.by 2 sets of chainmen is 13 lks.; the position of middle point
	By 1st. set 46.21½ chs.
	By 2nd. set 46.08½chs. the mean of which is
46.15	Intersect West Boundary Uintah Indian Reservation.
	Set a quartzite stone 20x12x5 ins. 15 ins. in the ground, for closing cor.T.2 S.Rs.12 and 13W.mkd.CCUIR and3 grooves on S.PL on N.face with 6 grooves on E. and W. faces; from which
	An aspen 14 ins. diam. bears S. 30°W. 50 lks. dist. mkd. U I R T 2 S R 13 W S 13 B T.

THIRD GUIDE MERIDIAN WEST THROUGH T. 2 S., BET. RS. 12 & 13 W.

CHAINS

An aspen 10 ins. diam. bears S. 40°E. 74 lks. dist. mkd. U I R T 2 S R 12 W S 18 B T.

From the closing cor. the 134 mile cor. as established by Deputies A.H. and F.M.Brown bears as follows: S.53°30'E. 18.97 chs. to mile cor.No.134.

Land mountainous.

Soil stony; 2nd. and 3rd. rate.

Timber aspen and pine.

Mountainous land, heavily timbered. 46.15 chs.

July 31, 1904, at this cor. I set off 18°15'N. on decl. arc, and at 0 h.6m.p.m.l.m.t. observe the sun on the meridian; the resulting lat. is 40°19'N.

July 31, 1904.

For general description see subdivision of this Tp.

James McLeod

U.S.Deputy Surveyor.

BOUNDARIES OF T.2 S., R.13 W., U.S.B.& M.

Latitudes departures and closing errors.

Line Designated	True Bearing	Distance	Latitudes.		Departures.	
			N.	S.	E.	W.
3rd. G.R. W.	South	chs. 213.77	chs.	chs. 213.77	chs.	chs.
N.I.R. Bdy.	N. 44°W.	1[illegible].42	13.98			13.49
" " "	N. 65°W.	29.60	12.52			26.83
" " "	N. 73°W.	24.40	7.13			23.33
" " "	N. 7°E.	26.00	25.80		3.17	
" " "	N.5°45'E.	14.60	14.53		1.46	
" " "	N.35°45'W.	3[illegible].30	31.08			22.37
" " "	N.47°30'W.	17.10	11.56		12.60	
" " "	N. 6°15'E.	2[illegible].20	2[illegible].00		3.51	
" " "	N. 45°E.	17.80	12.59		12.59	
" " "	N.24°30'E.	5[illegible].[illegible]	4[illegible].65		21.90	
" " "	N.[illegible]°45'E.	27.20	21.21		17.02	
" " "	S.[illegible]°[illegible]'E.	15.20		12.67	6.39	
" " "	S.[illegible]°[illegible]'E.	5.8[illegible]		3.47	4.67	
Totals			2[illegible].45	222.01	86.31	86.02
			222.01			85.31
Errors in lat. and dep.			.94			.71

[illegible]

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 James M. Lentz, 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 3rd Guide Meridian West through T. 2 S. Uintah Special Base and Meridian, State of Utah showing the respective capacities in which they acted:

Lawrence Swan, William Longanecker, Chainman.
Oliver W Lemar, Samuel M Ballard, Chainman.
Dexter A McBride, Moundman.
John N. Carroll, Moundman.
John N. Carroll, Axman.
, Axman.
David J. Marchant, Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted James M. Lentz, United States Deputy Surveyor, in surveying all those parts or portions of the 3rd Guide Meridian West, through T. 2 S.; of the Uintah Special 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

Lawrence Swan William Longanecker, Chainman.
Oliver W Lemar Samuel M Ballard, Chainman.
Dexter A McBride, Moundman.
John N Carroll, Moundman.
John N Carroll, Axman.
, Axman.
David J Marchant, Flagman.

Subscribed and sworn to before me this 20th day of August, 1904

SEAL

James M Lentz
U.S. Deputy Surveyor

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FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, James M.Lentz, United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from Edward H.Anderson United States Surveyor General for Utah, bearing date of the 22d day of July,1903, ~~xxx~~, 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 Third Guide Meridian West, through Township No.2 South

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

James M Lentz
United States Deputy Surveyor.

Subscribed by said James M.Lentz, and sworn to before me this 27th day of December, 1904

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

SEAL

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City,Utah,December 31,1904.

The foregoing field notes of the survey of the Third Guide Meridian West through Township No.2 South of the Uintah Special Base and Meridian,Utah

executed by James M.Lentz under his contract No. 280, dated July 22,1903, ~~xxx~~, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Edward H Anderson
United States Surveyor General.

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

United States Surveyor General.

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BOOK A-315

M.

FIELD NOTES

OF THE SURVEY OF THE

FILED
OCT 31 1904

Subdivision
of
Township No. 2 South
Range No. 13 West

Of the Uintah Special Base and Meridian,
In the State of Utah

AS SURVEYED BY

James M. Lentz, United States Deputy Surveyor,

under his Contract No. 280, dated July 22nd, 1903

Survey commenced August 1st, 1904

Survey completed " ", 1904

High 1-45-07
Closing 24-50

BOOK A-315

NAMES AND DUTIES OF ASSISTANTS.

William Longanecker	chain man
Samuel M. Ballard	"
Dexter A. McBride	moundman
John N Carroll	axman
Lawrence Swan	"
David J. Marchant	flag man

For preliminary affidavits see book "C" T.4 S.R.12 W.

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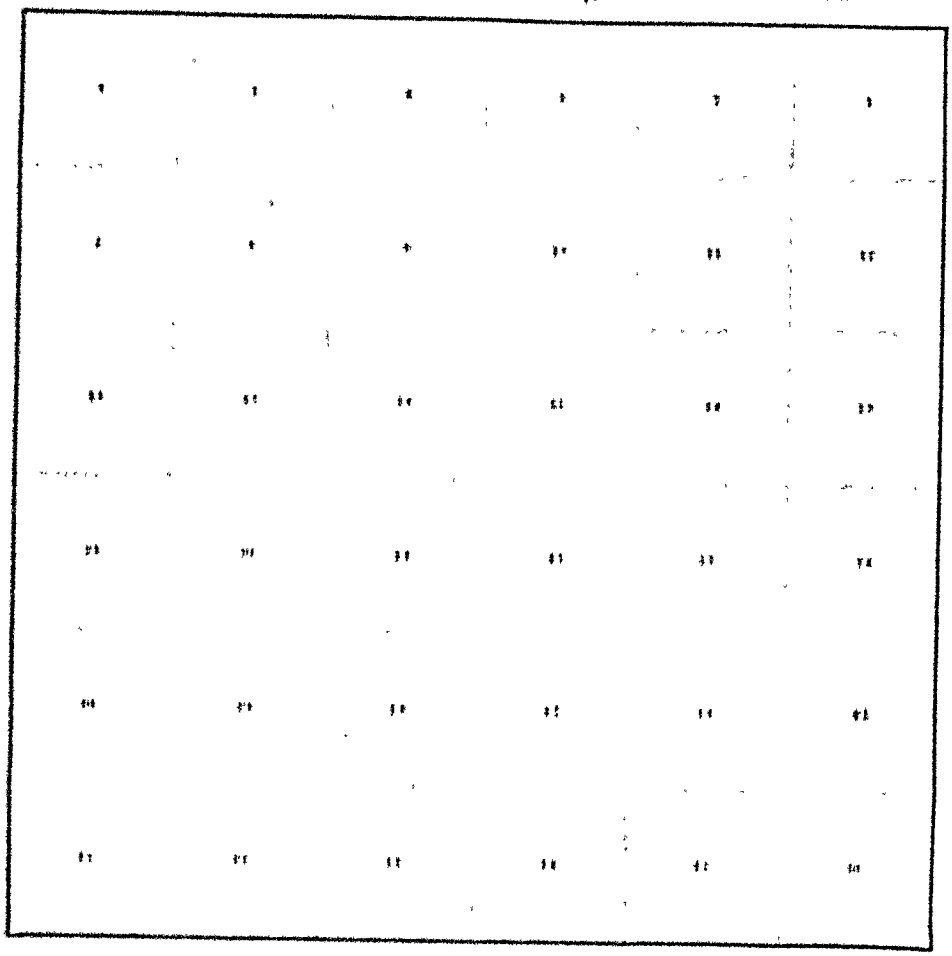
BOOK A-315

INDEX DIAGRAM.

Township . *Range*



Meanders Page

PRELIMINARY OATHS OF ASSISTANTS.

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

_____

_____, *Chainman.*

_____, *Chainman.*

Subscribed and sworn to before me this _____ day of _____, 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.2 S., R.13 W., U.S.B.& M.

CHAINS

Survey commenced August 1, 1904, and executed with the instrument described in Book "A" of this survey. I began at the cor. of secs. 25-30-31 and 36 on E.bdy.of Tp.1,on the 3d Guide Mer.W,previously described.

From recent tests made at this corner and recorded in Book "J" I know the instrument to be in adjustment therefore, I omit the tests.

August 1, 1904, at 7h. a.m. l.m.t. I set off 40°17'N. on lat. arc; 18°04½'N. on decl. arc, and determine a meridian with the solar, at the cor. of secs. 25-30-31 and 36 above mentioned. The meridian thus determined falls on a pole held on the mark previously established by Polaris observation, made July 30, 1904.

Knowing that I will intersect the W.Bdy.of the Uintah Indian Reservation within 80.00 chs.I run

W. on a true line, bet. secs. 25 and 36.

Ascending over mountainous land, through aspen and pine timber.

7.45 Intersect West Boundary of Uintah Indian Reservation.

Set a sandstone 16x11x7 ins., 11 ins. in the ground, for closing corner of secs. 25 and 36, mkd. C C U I R with 1 groove on E.; P.L on W., and 1 groove on S. faces; from which

A pine 13 ins. diam., bears N. 51½°E. 24 lks. dist. mkd. U I R T 2 S R 13 W S 25 B T.

A pine 6 ins. diam., bears S. 57°E. 48 lks. dist.. mkd. U I R T 2 S R 13 W S 36 B T.

From the closing corner, the No. 130th. Mile corner on the boundary as established by Deputies A.H. and F.H. Brown, under their contract No. 264, bears,

N. 44°W. 8.70 chs.

Land mountainous.

Soil stony; 3rd. rate.

Timber aspen and pine.

Mountainous and heavily timbered land. 7.45 chs.

SUBDIVISION OF T.2 S., R.13 W., U.S.B.& M.

CHAINS	
	From the corner of secs. 19-24-25 and 30, on E. bdy. of Tp,or.3d Guide Mer.West,previously described,I run,for reasons already stated W. on a true line, bet. secs. 24 and 25
	Descending over mountainous land.
5.75	Ravine 200 ft. deep, course NE., enter heavy aspen and scattering pine timber, bear NE. and SW.
	Ascend.
40.00	Set a quartzite stone 18x14x7 ins., 12 ins. in the ground, for ¼ sec. cor., mkd. ¼ on N. face; from which
	An aspen 9 ins. diam., bears N. 4°E. 70 lks. dist. mkd. ¼ S 24 B T.
	An aspen 14 ins. diam., bears S. 12°E. 39 lks. dist. mkd. ¼ S 25 B T.
42.00	Leave aspen, enter heavy pine timber, bear N. and S.
68.62	Intersect West Boundary of Uintah Indian Reservation.
	Set a sandstone 20x8x7 ins., 15 ins. in the ground, for closing corner of secs. 24 and 25, mkd. C C U I R with 1 groove on E., P L on W., and 2 grooves on S. faces; from which
	A pine 30 ins. diam., bears N. 68°E. 53 lks. dist. mkd. U I R T 2 S R 13 W S 24 B T.
	An aspen 4 ins. diam., bears S. 80°E. 68 lks. dist. mkd. U I R T 2 S R 13 W S 25 B T.
	From the closing corner, the ½ mile corner, bet. Nos.131 and 132 mile posts, on the boundary as established by Deputies A.H. and F.M. Brown, under their contract No.264, bears,
	N. 35°45'W. 8.34 chs. to ½ mile stone.
	Land mountainous.
	Soil stony; 3rd. rate.
	Timber aspen and pine.
	Mountainous and heavily timbered land. 68.62 chs.

SUBDIVISION OF T.2 S., R.13 W.,U.S.B.& M.

CHAINS	
	From the cor. of secs. 13-18-19 and 24, on N. bdy. of Tp 1 S. run,for reasons already stated.
	W. on a true line, bet. secs. 13 and 24
	Ascending over mountainous land, through heavy aspen and pine timber.
4.50	Ridge bears NE. and SW.
	Descend.
17.00	Hollow, course S.
	Ascend.
21.00	Spur projects S.
	Descend.
27.60	Road bears N. and S.
40.00	Set a lime stone 16x12x6 ins., 11 ins. in the ground, for $\frac{1}{4}$ sec. cor., mkd. $\frac{1}{4}$ on N. face; from which
	An aspen 4 ins. diam., bears N. 11°W. 19 lks. dist. mkd. $\frac{1}{4}$ S 13 B T.
	A pine 12 ins. diam., bears S. 10°W. 41 lks. dist. mkd. $\frac{1}{4}$ S 24 B T.
49.00	Intersect West Boundary of Uintah Indian Reservation.
	Set a sandstone 20x10x8 ins., 15 ins. in the ground, for closing corner of secs. 13 and 24, mkd. C C U I R with 1 groove on E., P L on W., and 3 grooves on S. faces; from which
	A pine 6 ins. diam., bears N. 37°E. 179 lks. dist. mkd. U I R T 2 S R 13 W S 13 B T.
	A pine 10 ins. diam., bears S. 51°E. 72 lks. dist. mkd. U I R T 2 S R 13 W S 24 B T.
	From the closing corner, the $\frac{1}{2}$ mile corner bet. Nos. 132 and 133 mile posts, on the boundary as established by Deputies A.H. and F.M. Brown, under their contract No.264, bears,
	S. 24°30'W. 7.46 chs. to $\frac{1}{2}$ mile stone.
	Land mountainous.
	Soil stony; 3rd. rate. Timber aspen and pine. Mountainous and heavily timbered land 49.00 chs.

SUBDIVISION OF T.2 S., R.13 W., U.S.B.& M.

CHAINS

From ½ mile cor.bet.131 and 132 mile corners on the W. Bdy.Uintah Indian Res.,run N.35°45'W.11.34 chs.to a point; thence N.0°01'W.bet.secs.23 and 24,2.09 chs.,intersect W.Bdy.Uintah Indian Res.at a point N.47°30'E. 1.22 chs.from angle cor.

August 1, 1904.

/

General Description.

This township is entirely mountainous, and is covered throughout with pine and aspen timber. Part of the pine timber would make very good saw timber.

There is no agricultural land in this township, it being too high and too stony for farming purposes. It would, however, be very valuable grazing land. At the present time it is very much over stocked with sheep and cattle.

There is no mineral in this township, and there are no settlers.

There is very little water in this township. it being at the head of most of the streams.

James McKenzie

U.S.Deputy Surveyor.

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

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

_____, *Chainman.*

For final affidavits see book "P" T. 1 S.R.12 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 on the foregoing field notes as having been surveyed by him and under his direction; and that said survey has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the corner monuments established, according to the instructions furnished by the United States Surveyor General for _____

For final affidavits see book "P" T. 1 S.R.12 W., *Chainman.*

_____, *Chainman.*

_____, *Moundman.*

_____, *Moundman.*

_____, *Axman.*

_____, *Axman.*

_____, *Flagman.*

_____

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

SEAL

_____

_____

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, _____, United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from _____ United States Surveyor General for _____, bearing date of the _____ day of _____, 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 "P" T.1 S.R.12 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; and should any fraud be detected, I will suffer the penalty of perjury under the provisions of an Act of Congress approved August 8, 1846.

_____

United States Deputy Surveyor.

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

_____

SEAL

_____

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, December 31, 1904.

The foregoing field notes of the survey of the Subdivisional lines of Township No. 2 South, Range No. 13 West; of the Uintah Special Base and Meridian, Utah, _____

executed by James M. Lentz under his contract No. 280, dated July 22, 1903; having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Edward M. Anderson

United States Surveyor General.

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

_____

United States Surveyor General.

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4—679.

BOOK A-315

N.

FIELD NOTES

OF THE SURVEY OF THE

West
Boundary
Township No. 1 South
Range No 11 West.

Of the Mintah Special Base and Meridian,
In the State of Utah

AS SURVEYED BY

James M. Lentz, United States Deputy Surveyor,
under his Contract No. 280, dated July 22nd, 1903
Survey commenced Aug. 1, 1904
Survey completed Aug. 2, 1904

0—161

FILED
OCT 31 1904

Init 4-60-15
Closing 10-84

BOOK A-315

NAMES AND DUTIES OF ASSISTANTS.

William Longnecker	Chainman
Samuel McBallard	"
Dexter A. McBride	Moundman
John N. Carroll	Axman
Lawrence Swan	"
David J. Marchant	Flagman

For preliminary affidavits see book "B" T. 4 S.R.12 W.

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BOOK A-315

INDEX DIAGRAM.

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

Meanders Page.....

PRELIMINARY OATHS OF ASSISTANTS.

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

_____, *Chainman.*

_____, *Chainman.*

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

WEST BOUNDARY OF T. 1 S. R. 11 W. U. S. B. & M.

Chains.

Survey commenced Aug. 1, and executed with the instrument described in book "A" of this survey. I began at the cor. of T. 1 and 2 S., RS. 11 and 12 W. in lat. 40° 21' 21" N., long. 111° 12' 46" W.; previously described. I examine the adjustments of the transit and find them correct. Then in order to test the solar apparatus by comparing its indications resulting from solar observations, made during p. m. and a. m. hrs. with a mer. determined by observation on Polaris, I proceed as follows:

At 5 hrs. p. m. l. m. t. I set off 40° 21' N. on lat arc, 17° 58' N. on decl. arc, and determine a true mer. with the solar, and mark the mer. thus determined by a cross cut in the stone firmly set in the ground 5 chs. N. of my station.

At 10 hrs. 48m. p. m. l. m. t. I observe Polaris at eastern elongation in accordance with the Manual of Instructions and mark the line thus determined by a tack driven in a peg, firmly set in the gound 5 chs. N. of my station.

Aug. 1, 1904.

Aug. 2, at 6 hrs. a. m. l. m. t. I lay off the azimuth of Polaris 1° 34½' to the W. the mer. thus determined falls on a pole held on point cut in stone set Aug. 1, to mark the mer. determined by p. m. solar observation.

At 7 hrs. a. m. l. m. t. I set off 40° 21' N. on lat. arc, 17° 49' N. on decl arc and determine a mer. with the solar, the mer. thus determined falls on a pole held on the point cut on stone to mark the mer. determined

WEST BOUNDARY OF T. 1 S. R. 11 W. U. S. B. & M.

Chains.	
	by p. m. solar observation and tested by observation on Polaris.
	The solar apparatus by p. m. and a. m. observations defines the same position for the mer. as that obtained by observation on Polaris; therefore, I conclude that the adjustments of the instrument are correct.
	The magnetic bearing of the true mer. at 7 hr. 30 m. a. m. l. m. t. is N. 17° W. . . . The angle thus determined gives the magnetic decl. 17° E.
	From the cor. above mentioned I run
	N. on true line along W. bdy. of T. 1 S R. 11 W. bet. secs. 31 and 36.
	Descending over mountainous land through heavy aspen timber.
19.65	Creek 4 lks wide, course SW.
	Asc.
23.00	Desc.
24.00	Creek 2 lks wide. course S. 20° W.
	Asc.
40.00	Set limestone 15x11x4 ins. 10 ins. in ground for ¼ sec. cor. mkd. ¼ on W. face; from which
	an aspen 10 ins. diam., bears S. 66½°E. 55 lks dist. mkd. ¼, S 31 B T.
	an aspen 18 ins. diam., bears N. 87° W. 86 lks dist. mkd. ¼ S 36 B T.
80.00	Set sandstone 15x10x6 ins., 10 ins. in ground for cor of secs. 25, 30, 31 and 36; mkd. with 1 notch on S. and 5 notches on N. edge; from which
	an aspen 6 ins. diam., bears N. 40° E. 25 lks dist. mkd. T 1 S R 11 W S 30 B T.
	an aspen 5 ins. diam., bears S. 36° E. 23 lks dist. mkd. T 1 S R 11 W S 31 B T.

Chains.	
	an aspen 10 ins. diam., bears S. 56° W. 45 lks dist.
	mkd. T 1 S R 12 W S 36 B T.
	an aspen 10 ins. diam., bears N. 66° W. 50 lks dist.
	mkd T 1 S R 12 W S 25 B T.
	Land mountainous.
	Soil stony, 2nd and 3rd rate.
	Timber aspen.
	Mountainous and heavily timbered land. 80.00 chs.
	———
	N. bet. secs. 25 and 30.
	Asc. over mountainous land, through heavy aspen timber.
36.50	Leave timber, bear NE. and SW.
40.00	Set cobble stone 12x8x6 ins., 8 ins. in ground for ¼ sec. cor. mkd. ¼ on W. face; raise mound of stone 2 ft. base, 1½ ft. high W. of cor.
41.00	Abrupt ascent
72.50	Top of ridge, bears NE. and SW.
	Desc.
80.00	Set quartzite stone 15x10x6 ins., 10 ins. in ground for cor. of secs. 19, 24, 25 and 30, mkd with 4 notches on N. and 2 notches on S. face; raise mound of stone 2 ft. base, 1½ ft. high W. of cor.
	Land mountainous.
	Soil stony, and loam, 3rd rate.
	Timber aspen.
	Mountainous and heavily timbered land 80.00 chs.
	———
	N. bet. secs. 19 and 24.
	Descending over mountainous land.
7.00	Hollow, course W.
	Asc.

WEST BOUNDARY OF T. 1 S. R 11 W. U. S. B. & M.

Chains.	
35.00	Spur projects W.; desc.
39.50	Enter heavy pine timber, bears E. and W.
40.00	Set porphyry stone 12x10x10 ins., 8 ins. in ground for ¼ sec. cor mkd. ¼ on W. face; from which a pine 12 ins. diam., bears N. 12° E. 23 lks dist. mkd. ¼ S 19 B T. a pine 8 ins. diam., bears N. 46° W. 49 lks dist. mkd. ¼ S 24 B T.
61.00	Ravine 400 ft. deep, course W.; leave pine timber, bear E. and W.
	Asc.
80.00	Set sandstone 12x8x7 ins., 8 ins. in ground for cor. of secs. 13, 18, 19 and 24, mkd. with 3 notches on N. and S edges; raise mound of stone 2 ft. base, 1½ ft. high W. of cor.
	Land mountainous.
	Soil stony, 3rd rate.
	Timber aspen and pine.
	Mountainous and heavily timbered land 80.00 chs.
	Aug. 2, 1904, at this cor. I set off 17° 45' N. on decl arc and at 0h 6m p.m. l.m.t. observe the sun on the mer., the resulting lat. is 40° 24' N.

	N. bet. secs. 13 and 18.
	Ascending over mountainous land.
30.60	Ridge, bears NW. and SE., enter pine timber, bears NW. and SE.
	Desc.
40.00	Set quartzite stone 18x10x8 ins., 12 ins. in ground for ¼ sec. cor. mkd. ¼ on W. face; from which a pine 10 ins. diam., bears S. 14° E. 160 lks dist.

WEST BOUNDARY OF T.1 S., R.11 W., U.S.B.& M.

CHAINS	
	mkd. ½ S 18 B T.
	A pine 18 ins. diam. bears S.36°W. 75 lks. dist. mkd. ½ S 13 B T
42.00	Enter pond, 1.1 chs. wide, extends NW. 5.chs.
63.00	Ravine 300 ft. below ¼ sec. cor., course NE., leave timber
	bear NE. and SW., asc.
73.00	Spur, projects E.
	Descend.
79.80	Dry run, course SE., asc.
80.00	Set a sandstone 12x10x8 ins. 8 ins. in the ground, for
	cor. of secs. 7-12-13 and 18, mkd. with 4 notches on S.,
	and 2 notches on N. edge; raise a mound of stone 2 ft.base,
	1½ ft.high W. of cor.
	Land mountainous.
	Soil stony; 3rd. rate.
	Timber pine.
	Mountainous and heavily timbered land. 80.00 chs.
	———
	N. bet. secs. 7 and 12
	Asc. over mountainous land.
5.00	Enter heavy aspen and pine timber, bear E. and W.
15.50	Leave aspen, bear E. and W.
40.00	Set a cobblestone 15x8x5 ins. 10 ins. in the ground, for
	¼ sec. cor., mkd. ¼ on W. face; raise a mound of stone 2.
	ft. base, 1½ ft. high W. of cor.
47.25	Road, bears NW. and SE.
60.15	On top of dividing ridge,
	Intersect W. bdy. of Uintah Indian Reservation.
	Set a sandstone 26x10x9 ins. in mound of stone, mkd. C C
	U I R on S., P L on N. face, with 6 grooves on E. and W.
	faces; raise a mound of stone 2 ft. base, 1½ ft. high S.
	of cor.
	From the closing cor. the 149 mile cor. on the bdy. as estab-
	lished by Deputies A.H. and F.M.Brown bears S.20°15'W. 10.84
	chs. to mile cor. no. 149.

WEST BOUNDARY OF T.1 S., R.11 W., U.S.B.& M.

CHAINS

Land mountainous.

Soil stony; 3rd. and 4th. rate.

Timber pine and aspen.

Mountainous and heavily timbered land. 60.15 chs.
From C.C.on S.bdy.sec.31, T.1 N., R.11 W., east 3.80 chs. along the Uintah Special Base line; thence South 12.83 chs., intersect the W.bdy.Uintah Indian Res.N.16°30'W. 8.88 chs.from the ½ mile cor.bet.the 150 and 151 mile cor.
August 2,1904.

For general description see subdivision of this Tp.

James M Lentz
U S Deputy Surveyor

BOUNDARIES OF TOWNSHIP 1 S., R.11 W.,U.S.B.& M.

Latitudes Departures, and Closing Errors.

Line Designated		True Bearing	Distance chs.	Latitudes N. chs.	Latitudes S. chs.	Departures E. chs.	Departures W. chs.
Bdy.	T.1 S., R.10W.	South	488.60		488.60		
tah	Special Base	East	482.35			482.35	
Bdy.	T.2 S., R.11W.	N.89°54'W.	478.54	.84			478.54
"	" 1 " " " "	North	380.15	380.15			
.R.	Bdy.	N.20°15'E.	2.76	2.59		.96	
"	"	N.66°45'E.	26.40	10.42		24.26	
"	"	N.30°30'W.	40.00	34.46			20.30
"	"	N. 4°45'W.	29.90	29.80			2.47
"	"	N. 29°E.	4.80	4.20		2.33	
"	"	N.16°30'W.	27.56	26.42			7.83
vergency						.62	
als				488.88	488.60	510.52	509.14
				488.60		509.14	
ors	in lat. and dep.			.28		1.38	

James M Lentz
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 James M. Lentz, 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 W. bdy. Tps. 2, 3 & 4 S. R. 17 W. N. bdy. Tps. 2 & 3 S. R 17 W. and W. bdy. Tps. 1 S. R 17 W. Uintah Special Base and Meridian State of Utah.

showing the respective capacities in which they acted:

William Longanecker, Chainman.
Samuel M. Ballard, Chainman.
Dexter A. McBride, Moundman.
, Moundman.
John N. Carroll, Axman.
Lawrence Swan, Axman.
David J. Marchant, Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted James M. Lentz, United States Deputy Surveyor, in surveying all those parts or portions of the N. bdy. Tps. 2, 3 & 4 S. R. 17 W., N. bdy. Tps. 2 & 3 S. R. 17 W. and W. bdy. Tp. 1 S., R 17 W.

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

William Longanecker, Chainman.
Samuel M Ballard, Chainman.
, Moundman.
Dexter A McBride, Moundman.
John N Carroll, Axman.
Lawrence Swan, Axman.
David J Marchant, Flagman.

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

SEAL

James M Lentz
U.S. Deputy Surveyor

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BOOK A-315

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, James M.Lentz, United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from Edward H.Anderson United States Surveyor General for Utah, bearing date of the 22d day of July,1903, ~~1899~~, I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for Utah, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of the North Bdy.Tps.2,3,and 4 S. R.12 W.;North and West Bdys. Tps.2 and 3 South,Range 11 W.;and West Bdy.Tp.1 S.R.11 W.

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

in books B.D.F.H.J.and N.

James M.Lentz
United States Deputy Surveyor.

Subscribed by said James M.Lentz, and sworn to before me this 27th day of December, 1904.

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

SEAL

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City,Utah,December 31, 1904.

The foregoing field notes of the survey of the West Boundary of Township No. 1 South,Range No.11 West of the Uintah Special Base and Meridian,Utah;

executed by James M.Lentz under his contract No. 280, dated July 22,1903, ~~1899~~, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Edward H.Anderson
United States Surveyor General.

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

United States Surveyor General.

A-171

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4—679.

BOOK A-315

FIELD NOTES

FILED
OCT 31 1904

OF THE SURVEY OF THE

Subdivision
of
Township No. 1 South
Range No. 11 West

Of the Uintah Special Base and Meridian,
In the State of Utah.

AS SURVEYED BY

James M. Terry, United States Deputy Surveyor,

under his Contract No. 280, dated July 22nd, 1903

Survey commenced Aug. 2, 1904

Survey completed Aug. 13, 1904.

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BOOK A-315

NAMES AND DUTIES OF ASSISTANTS.

William Longwecker chainman
Samuel M. Baldard "
Dexter A. McBride moundman
John N. Carroll axman
Lawrence Swan "
David J. Marchant flagman

For preliminary affidavits see book "C" T.4 S.R.12 W.

6—151

BOOK A-315

INDEX DIAGRAM.

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

Meanders Page.....

PRELIMINARY OATHS OF ASSISTANTS.

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

_____

_____, *Chainman.*

_____, *Chainman.*

Subscribed and sworn to before me this _____ day of _____, 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. 1 S. R. 11 W. U. S. B. & M.

Survey commenced Aug. 2, 1904, and executed with the instrument described in book "A" of this survey. I begin at the cor. of secs. 1, 2, 35 and 36 on S. bdy. of Tp., previously described; lat. 40° 21' 7" N., approximate long. 111° 07' N.

I examine the adjustments of the transit and find them correct. Then in order to test the solar apparatus, by comparing its indications resulting from solar observations made during p. m. and a. m. hrs, with a mer. determined by observation on Polaris, I proceed as follows;

At 5 hr. p. m. l. m. t. I set off 40° 21' N. on lat. arc, 17° 42½' N. on decl. arc, and determine a true mer. with the solar, and mark the mer. thus determined by a cross cut in stone firmly set in the ground 5 chs. N. of my station.

At 10h 44m p.m. l. m. t. I observe Polaris at eastern elongation in accordance with the Manual of Instructions and mark the line thus determined by a tack driven in a peg, firmly set in the ground 5 chs. N. of my station.

Aug. 2, 1904.

Aug. 3, at 6 hr. a. m. l. m. t. I lay off the azimuth of Polaris 1° 34½' to the W., the mer. thus determined falls on a pole held on point cut in stone set Aug. 2, to mark the mer. determined by p. m. solar observation.

At 7 hr. a. m. l. m. t. I set off 40° 21' N. on lat. arc, 17° 33' N. on decl arc, and determine a mer. with the solar. The mer. thus determined falls on a pole held on the point cut in stone to mark the mer. determined

SUBDIVISION OF T. 1 S., R. 11 W., U. S. B. & M.

Chains.	
	by p. m. solar observation and tested by observation on Polaris.
	The solar apparatus by p. m. and a. m. observations defines the same position for the mer. as that obtained by observation on Polaris; therefore, I conclude that the adjustments of the instrument are correct..
	The magnetic bearing of the true mer. at 7 h. 30 m. a. m. l. m. t. is N. 16° 45' W. The angle thus determined gives the magnetic decl. 16° 45' E.
	From the cor. above mentioned I run
	N. 09.01' W. bet. secs. 35 and 36.
	Descending over mountainous land through dense scrub aspen and chokecherry brush.
7.00	Draw, course NE.
	Asc.
12.00	Spur projects N. 30° E.; leave aspen timber, bear NE. and SW.
	Desc.
39.00	Enter aspen, bear E. and SW.
40.00	Set sandstone 16x10 x7 ins., 11 ins. in ground for ¼ sec. cor. mkd. ¼ on W. face from which
	an aspen 4 ins. diam., bears N. 30° E. 120 lks dist. mkd. ¼ S 36 B T.
	an aspen 5 ins. diam., bears N. 40° W. 122 lks dist. mkd. ¼ S 35 B T.
41.50	Leave aspen timber, bears E. and W.; descent gradual
	along W. slope.
52.00	Abrupt descent.
57.00	Creek 12 lks wide, in ravine 150 ft. deep, course N. 73° E.
	Asc. through dense sage brush.

SUBDIVISION OF T. 1 S. R. 11 W. U. S. B. & M.

Chains.	
64.00	Spur projects E.
	Desc.
68.00	Current Creek 15 lks. wide, course S. 58° E. in ravine 125 ft. deep. Willows 1 ch. wide in bottom.
	Asc.
80.00	Set sandstone 14x6x6 ins., 10 ins. in ground for cor of secs. 25, 26, 35 and 36 mkd. with 1 notch on S. and E. edges; raise mound of stone 2 ft. base, 1½ ft. high W. of cor.
	Land mountainous.
	Soil stony, 3rd and 4th rate.
	Timber aspen.
	Mountainous land 80.00 chs.
	———
	S. 89° 54' E. on random line bet. secs. 25 and 36.
40.00	Set temp. ¼ sec. cor.
79.96	Intersect E. bdy of Tp. 5 lks S. of the cor. of secs. 25, 30, 31 and 36, which is a sandstone 6x18x8 ins. above ground firmly set and marked and witnessed as described by Hubert D. Page and Byron S. Kershaw U.S.Dep.Surveyors, under their contract No.279;
	Thence I run
	N. 89° 56' W. on true line bet. secs. 25 and 36.
	Asc. over mountainous land through heavy aspen timber.
19.50	Spur projects SE.; leave aspen timber, bear NW. and SE.
	Desc.
37.00	Enter dense willows, bear NW. and SE.
38.00	Creek 4 lks wide, in ravine 200 ft. deep, course SE.
	Asc.

SUBDIVISION OF T. 1 S. R. 11 W. U. S. B. & M.

Chains.	
39.00	Leave willows, bear NW. and SE.
39.98	Set sandstone 18x7x6 ins., 12 ins. in ground for ¼ sec. cor. mkd. ¼ on N. face; raise mound of stone 2 ft. base, 1½ ft. high N. of cor.
	Abrupt ascent.
46.00	Ascent becomes more gradual; enter dense sage brush, bear NW. and SE.
47.70	Wagon road, bears S. 15° E. and N. 20° W.
65.00	Enter dense aspen timber, bears N. and S.
67.75	Spur projects SE.
	Desc.
78.00	Leave aspen, bears N. and S.
78.45	Abrupt descent over ledges.
79.96	Foot of abrupt descent; leave ledges, bear N. and S.
	The cor. of sec. 25, 26, 35 and 36.
	Land mountainous.
	Soil stony, 3rd rate.
	Timber young aspen.
	Mountainous land, heavily timbered with dense undergrowth
	79.96 chs.

	N. 0°01' W. bet. secs. 25 and 26.
	Ascend over mountainous land along broken W. slope.
3.50	Enter dense scrub aspen, bears N. 30° W. and SE.
30.00	Leave aspen; enter dense sage brush, bear E. and W.
	Top of slope, bears NW. and SE. over rolling ground, over broad flat spur.
40.00.	Set cobble stone 18x10x8 ins., 12 ins. in ground for ¼ sec. cor. mkd. ¼ on W. face; raise mound of stone 2 ft.

SUBDIVISION OF T. 1 S. R. 11 W. U. S. B. & M.

Chains	
	base, .1½ ft. high W. of cor.
44.05	Wagon road, bears N. 50° W. and S. 55° E.
46.00	Enter aspen timber, bear E. and W.
63.50	Abrupt descent.
70.00	Leave aspen, enter dense willows, bear NW. and SE.
	Foot of descent, enter bottom land.
71.00	Creek 15 lks wide, in ravine 150 ft. deep, course SE.
80.00	Set cobble stone 15x10x9 ins., 10 ins. in ground for cor.
	of secs. 23, 24, 25 and 26, mkd. with 2 notches on S.
	and 1 notch on E. edge; from which
	an aspen 6 ins. diam., bears N. 40° E. 155 lks. dist.
	mkd. T 1 S R 11 W S 24 B T.
	an aspen 5 ins. diam., bears N. 11° W. 184 lks dist.
	mkd. T 1 S R 11 W S 23 B T.
	No other trees within limit; dig pits 18x18x12 ins.
	in each sec. 5½ ft. dist.; raise mound of earth 4 ft. base,
	2 ft. high W. of cor.
	Land mountainous and rolling.
	Soil loam and stony, 1st and 3rd rate.
	Timber aspen.
	Mountainous and heavily timbered land and land covered
	with dense undergrowth 80.00 chs.

	S. 89° 56' E. on random line bet. secs. 24 and 25.
40.00	Set temp. ¼ sec. cor.
80.02	Intersect E. bdy. of Tp. 4½ lks S. of the cor. of secs. 19,
	24, 25 and 30, which is a quartzite stone 4x10x8 ins.
	above ground firmly set and marked and witnessed as
	described by Hubert D. Page and Byron S. Kershaw U.S.Dep.
	Surveyors, under their contract No.279.

SUBDIVISION OF T. 1 S. R. 11 W. U. S. B. & M.

Chains.	
	Thence I run
	N. 89° 58' W. on true line bet. secs. 24 and 25.
	Descending over mountainous land through heavy aspen timber.
7.50	Creek 2 lks wide in ravine 150 ft. deep, course S. 20° W.
	Asc.
12.00	Spur projects S.
	Desc.
17.00	Creek 4 lks wide in ravine 200 ft. deep,
	course S. 20° E.
	Asc.
32.00	Ridge, bears N. and S.
	Desc.
35.40	Hollow, course S. 30° E.
	Asc.
40.01	An aspen tree 6 ins. diam., for ¼ sec. cor. I mark ¼ S 24
	on N., 25 on S. face, from which
	an aspen 6 ins. diam., bears N. 6° E. 30 lks dist.
	mkd. ¼ S 24 B T.
	an aspen 5 ins. diam., bears S. 55° E. 14 lks dist.
	mkd. ¼ S 25 B T.
45.00	Ridge, bears N. 20° W. and S. 20° E.
	Desc.
53.00	Hollow, course SE.
	Asc.
63.00	Ridge, bears N. 20° W. and S. 20° E.
	Desc.
65.00	Leave aspen, bear NW. and SE.
65.20	Enter willows and bottom land, bear N. and S.
80.02	The cor. of secs. 23, 24, 25 and 26.

SUBDIVISION OF T. 1 S. R. 11 W. U. S. B. & M.

Chains. Land mountainous, and bottom land.

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

Timber aspen.

Mountainous land heavily timbered and land covered with dense undergrowth 80.02 chs.

Aug. 3, at this cor. I set off 17° 29' N. on decl. arc, and at 0 h. 6m. p.m. l.m. observe the sun on the mer. the resulting lat. is 40° 23' N.

N. 0°01'W. bet. secs. 23 and 24

Over rolling bottom land, through dense willows.

0.50 Leave willows and bottom land; enter aspen timber, bear NW. and S. 60° E.

Asc.

6.00 Spur projects SE.

Desc.

8.60 Ravine 50 ft. deep, course SE.

Asc.

40.00 At a point 300 ft. above sec. cor. set a rock

Set sandstone 11x9x6 ins., 8 ins. in ground for ¼ sec. cor. mkd. ¼ on W. face; from which

an aspen 5 ins. diam., bears N. 75° W. 4 lks dist. mkd. ¼ S 23 B T.

an aspen 4 ins. diam., bears S. 80° E. 3 lks dist. mkd. ¼ S 24 B T.

50.00 Ridge, bears S. 30° E. and N. 60° W.

Desc.

70.00 Draw, course S. 60° E.

Asc.

74.50 Spur ridge, bears E. and W.; leave aspen; enter pine, bear with ridge,

SUBDIVISION OF T. 1 S. R. 11 W. U. S. B. & M.

Chains.	Desc.
80.00	In a ravine 250 ft. deep, course E.
	Set cobble stone 16x10x4 ins., 11 ins. in ground for cor.
	of secs. 13, 14, 23 and 24, mkd with 3 notches on S. and
	1 notch on E. edge; from which
	an aspen 13 ins. diam., bears N. 39° E. 17 lks dist.
	mkd. T 1 S R 11 W S 13 B T.
	an aspen 10 ins. diam., bears S. 19° E. 10 lks dist.
	mkd. T 1 S R 11 W S 24 B T.
	an aspen 15 ins. diam., bears S. 31° W. 40 lks dist.
	mkd. T 1 S R 11 W S 23 B T.
	an aspen 10 ins. diam., bears N. 57° W. 17 lks dist.
	mkd. T 1 S R 11 W S 14 B T.
	Land mountainous.
	Soil stony loam, 2nd rate.
	Timber aspen and pine.
	Mountainous and heavily timbered land. 80.00 chs.
	S. 89° 58' E. on random line bet. secs. 13 and 24.
40.00	Set temp. ¼ sec. cor.
80.06	Intersect E. bdy. of Tp. 7 lks S. of the cor. of secs.
	13, 18, 19 and 24, which is quartzite stone 4x12x9 ins.
	above ground firmly set and marked and witnessed as decsribed
	by Hubert D. Page and Byron S. Kershaw, U.S. Dep. Surveyors,
	under their contract No. 279.
	Thence I run
	S. 89° 59' W. on true line bet. secs. 13 and 24.
	Descending over mountainous land through heavy aspen timber.
10.00	Creek 4 lks wide in ravine 300 ft. deep, course SW.
	Leave aspen timber, bear NE. and SW.

SUBDIVISION OF T. 1 S. R. 11 W. U. S. B. & M.

Chains	
	Asc.
34.00	Spur projects SW.
	Desc.
40.06	Set sandstone 12x10x10 ins., 8 ins. in the ground for ¼ sec. cor. mkd. ¼ on N. face; raise mound of stone 2 ft. base, 1½ ft . high N. of cor.
40.20	Creek 4 lks wide in ravine 100 ft. deep, course SE 20° E.
	Enter scattering aspen timber, bear N. and S.
	Asc.
58.00	Spur ridge, bears NW. and SE.
	Desc.
69.00	Ravine 250 ft. deep, course S. 20° E, enter pine, bear NW. and SE.
	Asc. along bottom of ravine from W.
80.06	The cor. of secs. 13, 14, 23 and 24.
	Land mountainous.
	Soil stony, 3rd rate.
	Timber aspen and pine.
	Mountainous and heavily timbered land 80.06 chs.

N. 0°01'W. bet. secs. 13 and 14.

Ascend through heavy aspen timber.

8.50	Creek 6 lks wide, course S. 65° E.
18.00	Spur ridge, bears NW and SE.
	Desc.
20.13	Creek 5 lks wide, course SE.
	Along broken E. slope.
40.00	Set sandstone 14x12x5 ins., 10 ins. in ground for ¼ sec. cor. mkd. ¼ on W. face; from which
	an. aspen. 5 ins. diam., bears N. 33° W. 6 lks dist.
	mkd. ¼ S 14 B T.

Chains.	
	an aspen 12 ins. diam., bears S. 39° E. 29 lks. dist. mkd. 1/4 S 13 B T.
42.00	Enter dense chokecherry brush, bear E. and W.
61.00	Small lake, 1 ch. wide, 3 chs. long, 50 lks E. of line.
76.00	Spur projects SE.
	Desc.
80.00	Set sandstone 12x6x6 ins., 8 ins. in ground for cor. of secs. 11, 12, 13 and 14, mkd. with 4 notches on S. and 1 notch on E. edge; from which
	an aspen 5 ins. diam., bears N. 28° E. 66 lks dist. mkd. T 1 S R 11 W S 12 B T.
	an aspen 15 ins. diam., bears S. 25° E. 22 lks dist. mkd. T 1 S R 11 W S 13 B T.
	an aspen 4 ins. diam., bears S. 55 ° W. 18 lks dist. mkd. T 1 S R 11 W S 14 B T.
	an aspen 12 ins. diam., bears N. 22° W. 28 lks dist. mkd. T 1 S R 11 W S 11 B T.
	Land mountainous.
	Soil stony, 3rd rate.
	Timber aspen.
	Mountainous and heavily timbered land covered with dense undergrowth 80.00 chs.
	Aug. 4, Aug. 3, 1904.

Aug. 4, at 7 h. a. m. l. m. t. I set off 40° 24 1/2' N. on lat. arc, 17° 17 1/2' N. on decl. arc. and determine a mer. with the solar, at the cor. of secs. 11, 12, 13, and 14.

Thence I run

N. 89° 59' E. on random line bet. secs. 12 and 13.

SUBDIVISION OF T. 1 S. R. 11 W. U. S. B. & M.

Chains.	
40.00	Set temp. ¼ sec. cor.
80.05	Intersect E. bdy. of Tp. 7 lks S. of the cor. of secs. 7, 12, 13 and 18; a porphyry stone 16x10x4 ins. above ground, firmly set, marked and witnessed as described by Hubert D. Page and Byron S. Kershaw; U.S.Dep.Surveyors, under their contract No.279.
	Thence I run
	S. 89° 56' W. on true line bet. secs. 12 and 13.
	Descending over mountainous land, through heavy aspen timber.
9.50	Creek 2 lks wide, course S.
21.00	Creek 2 lks wide, in ravine 200 ft. deep course S.
	Asc.
40.02½	Set cobble stone 15x12x8 ins., 10 ins. in ground for ¼ sec. cor. mkd. ¼ on N. face; from which
	an aspen 7 ins. diam., bears N. 41° E. 58 lks dist. mkd. ¼ S 12 B T.
	an aspen 10 ins. diam., bears S. 65° E. 87 lks dist. mkd. ¼ S 13 B T.
45.50	Ridge, bears N. and S.
	Desc.
77.50	Creek 12 lks wide in ravine 75. ft. deep, course SE.
	Asc.
80.05	The cor. of secs. 11, 12, 13 and 14.
	Land mountainous.
	Soil stony, 2nd and 3rd rate.
	Timber aspen.
	Mountainous and heavily timbered land 80.05 chs.

SUBDIVISION OF T. 1 S. R. 11 W. U. S. B. & M.

Chains.	
	N. 0°01' W. bet. secs. 11 and 12.
	Descending over mountainous land through heavy aspen timber.
1.65	Creek 12 lks. wide; in ravine 65 ft. below sec. cor.; course SE.
	Leave aspen timber, bear E. and W.; enter dense sage brush.
	Asc.
25.00	Enter aspen timber, bear NW. and SE.
40.00	Set sandstone 16x8x5 ins., 11 ins. in ground for ¼ sec. cor. mkd. ¼ on W. face; from which
	an aspen 10 ins. diam., bears S. 70° E. 41 lks dist. mkd. ¼ S 12 B T.
	an aspen 4 ins. diam., bears S. 85° W. 18 lks dist. mkd. ¼ S 11 B T.
70.00	Enter heavy fallen timber, bear E. and W.
74.40	Spur projects W.; leave fallen timber, enter pine timber, bear E. and W.
	Desc.
80.00	Set conglomerate stone 18x9x8 ins. 12 ins. in ground for cor. of secs. 1, 2, 11 and 12, mkd. with 5 notches on S. and 1 notch on E. edge; from which
	a pine 12 ins. diam., bears N. 49½ E. 32 lks dist. mkd. T 1 S R 11 W S 1 B T.
	an aspen 5 ins. diam., bears S. 69° E. 29 lks dist. mkd. T 1 S R 11 W S 12 B T.
	an aspen 10 ins. diam., bears S. 15° W. 23 lks dist. mkd. T 1 S R 11 W S 11 B T.
	an aspen 6 ins. diam., bears N. 13° W. 56 lks dist. mkd. T 1 S R 11 W S 2 B T.
	Land mountainous.
	Soil stony loam, 2nd rate.
	Timber aspen.

SUBDIVISION OF T.1 S., R.11 W., U.S.B.& M.

CHAINS	
	Mountainous land; heavily timbered, and covered with dense undergrowth. 80.00 chs.
	———
	N. 89°56'E. on a random line bet. secs. 1 and 12
40.00	Set temp. ¼ sec. cor.
80.10	Intersect E. bdy. of Tp.9½ lks. N. of the cor. of secs. 1-6-7 and 12, which is a porphyry stone 6x13x5 ins. above ground, firmly set, marked and witnessed as described by Hubert D. Page and Byron S. Kershaw, U.S.Deputy Surveyors, under their contract No. 279.
	Thence I run,
	W. on a true line bet. secs. 1 and 12
	Ascending over mountainous land, through dense artemesia.
	Along broken S. slope.
10.00	Descend along broken S. slope.
30.00	Hollow, course S.; Enter scattering aspen timber, bears N. and S.
	Ascend.
35.00	Leave aspen timber, bear N. and S.
40.05	Set a sandstone 15x10x7 ins., 10 ins. in the ground, for ¼ sec. cor., mkd. ¼ on N. face; raise a mound of stone 2 ft. base, 1½ ft. high N. of cor.
46.00	Road bears N. 75°E. and W.
51.00	Leave road, bears N. 70°W.; spur projects S.60°W.
	Descend.
65.00	Enter aspen and scattering pine timber, bears N. and S.
68.55	Spring branch 1 lk. wide, course SW.
69.45	The same spring branch, course N. 70°W., along broken N. slope.
80.10	The cor. of secs. 1-2-11 and 12
	Land mountainous.
	Soil stony; 2nd. and 3rd. rate.
	Timber aspen and pine.

SUBDIVISION OF T.1 S., R.11 W., U.S.B.& M.

CHAINS	
	Mountainous and heavily timbered land, covered with dense undergrowth. 80.10 chs.
	August 4, 1904, at this cor. I set off 17°13½'N. on decl. arc, and at 0h. 6m. p.m. l.m.t. observe the sun on the meridian; the resulting lat. is 40°25½'N.
	N. 0°01'W. on a true line bet. secs. 1 and 2.
	Descending through heavy aspen and pine timber.
2.60	Ravine 50 ft. deep, course S. 70°W.
	Ascend.
4.00	Road bears N. 70°W. and E.
16.00	Timber becomes scattering.
19.30	Ridge bears E. and W.
	Descend.
26.00	Enter heavy pine timber, bears NW. and SE.
40.00	Set a sandstone 15x10x6 ins., 10 ins. in the ground, for ¼ sec. cor., mkd. ¼ on W. face; from which
	A pine 24 ins. diam., bears N. 45°E. 20 lks. dist. mkd. ¼ S 1 B T.
	A balsam 13 ins. diam., bears N. 86½° W. 31 lks. dist. mkd. ¼ S 2 B T.
	Timber in scattering groves.
88.40	Intersect Uintah Special Base Line 12.59 chs. W. of the standard ¼ sec. cor. on S. bdy. of sec. 36, which is a sandstone 12x4x5 ins. above ground, firmly set, marked and witnessed as described by Deputy J.W. Mc Kim, under his contract No. 277.
	Set a sandstone 13x10x5 ins., 9 ins. in the ground, for closing corner

SUBDIVISION OF T. 1 S. R. 11 W. U. S. E. & M.

Chains.	
	of secs. 1 and 2. mkd. 0 C on S., with 1 groove on N. and 5 grooves on W. face; from which
	a balsam 18 ins. diam., bears S. 9° E. 80 lks dist. mkd. T 1 S R 11 W S 1 B T.
	an aspen 10 ins. diam., bears S. 23½° W. 119 lks dist. mkd. T 1 S R 11 W S 2 B T.
	Land mountainous.
	Soil stony, 2nd and 3rd rate.
	Timber aspen and pine.
	Mountainous and heavily timbered land 88.40 chs.

	From the cor. of secs. 2, 3, 34 and 35 on S. bdy. of Tp. heretofore described, I run
	N. 0°02' W. bet. secs. 34 and 35.
	Descending over mountainous land through heavy aspen and scattering pine timber, and dense squaw, chokecherry and service brush.
35.00	Creek 6 lks wide in ravine 500 ft. deep, course N. 60° E.
	Leave pine and aspen, bear NE. and SW.; enter dense sage brush.
	Asc.
40.00	Set sandstone 16x14x4 ins., 11 ins. in ground for ¼ sec. cor. mkd. ¼ on W. face; raise mound of stone 2 ft. base, 1½ ft. high W. of cor.
44.00	Enter heavy aspen timber., bear E. and W.
55.00	Spur projects E.
	Desc.
72.00	Leave aspen, enter pine timber, bear E. and W.
78.00	Leave pine, bear NW. and SE.
79.00	Enter willow, bear E. and W.

SUBDIVISION OF T. 1 S. R. 11 W. U. S. B. & M.

Chains.	
79.85	Creek 6 lks wide course E.
80.00	Set quartzite stone 16x8x7 ins. 11 ins. in ground for cor of secs. 26, 27, 34 and 35; mkd. with 1 notch on S. and 2 notches on E. edge; raise mound of stone 2 ft. base, 1½ ft. high W. of cor.
	Land mountainous.
	Soil stony, 2nd and 3rd rate.
	Timber aspen and pine.
	Mountainous and heavily timbered land covered with dense undergrowth 80.00 chs.
	S. 89° 54' E. on random line bet. secs. 26 and 35.
40.00	Set temp. ¼ sec. cor.
80.02	Intersect N. and S. line 5 lks S. of the cor of secs. 25, 26, 35 and 36.
	Thence I run
	N. 89° 56' W. on true line bet. secs. 26 and 35.
	Descending through dense sage brush.
3.00	Enter dense willows, bear N. and S.
4.00	Creek 12 lks wide, course S.; leave willows, bear N. and S.
	Asc.
20.00	Leave sage brush, enter aspen, bear NE. and SW.
26.00	Leave aspen, Enter dense sage brush, bears N. 30° W. and SE.
23.35	Enter dense willows; leave dense sage brush, bear N. and S.
29.00	Leave willows, enter dense artemesia, bear N. and S.
40.01	Set cobble stone 15x12x6 ins., 10 ins. in ground for ¼ sec. cor mkd. ¼ on N. face; raise mound of stone 2 ft. base, 1½ ft. high N. of cor.
48.00	Leave artemesia, enter dense willows, bear NE. and SW.

SUBDIVISION OF T. 1 S. R. 11 W. U. S. B. & M.

Chains.	
80.02	The cor. of secs. 26, 27, 34 and 35.
	Land rolling.
	Soil stony, 3rd rate.
	Timber aspen.
	Rolling land heavily timbered and covered with dense undergrowth 80.02 chs.
	Aug. 4, 1904.
	Aug. 5, I set off 40° 22' N. on lat. arc, 17° 1½' N. on decl. arc and at 7 H. a. m. L. m. t. determine a mer. with the solar at the cor. of secs. 26, 27, 34, and 35.
	Thence I run
	N. 0°02' W. bet. secs. 26 and 27.
	Through dense willows.
1.85	Leave willows, enter dense sage brush, bear E. and W., asc.
10.00	Enter aspen, bear NE. and SW.
18.00	Spur projects S. 75° E., desc.
38.00	Leave aspen, bear E. and W.
40.00	Set cobble stone 12x10x6 ins.,,8 ins in ground for ¼ sec. cor. mkd. ¼ on W. face; from which
	an aspen 5 ins. diam., bears S. 42° E. 105 lks dist. mkd. ¼ S 26 B T.
	an aspen 8 ins. diam., bears N. 88° W. 59 lks dist. mkd. ¼ S 27 B T.
	In a hollow, course S. 80° E.
	Asc.
47.50	Spur projects. E.
	Desc.
54.00	Creek 10 lks wide in ravine 200 ft. deep, course S. 70° E.

SUBDIVISION OF T. 1 S., R. 11 W., U. S. B. & M.

Chains.	
	Asc.
60.00	Spur projects E.
	Desc.
80.00	Set quartzite stone 13x10x7 ins., 9 ins. in ground for cor. of secs. 22, 23, 26 and 27, mkd. with 2 notches on S. and 2 notches on E. edges; from which
	an aspen 4 ins. diam., bears N. 53½° E. 50 lks dist. mkd. T 1 S R 11 W S 23 B T.
	an aspen 5 ins. diam., bears S. 32° E. 65 lks dist. mkd. T 1 S R 11 W S 26 B T.
	an aspen 12 ins. diam., bears S. 62° W. 106 lks dist mkd. T 1 S R 11 W S 27 B T.
	an aspen 4 ins. diam., bears N. 35½° W. 67 lks dist. mkd. T 1 S R 11 W S 22 B T.
	Land mountainous.
	Soil stony, 2nd and 3rd rate.
	Timber aspen.
	Mountainous land and land covered with dense undergrowth
	80.00 chs.

	S. 89° 56' E. on randomline bet. secs. 23 and 26.
40.00	Set temp. ¼ sec. cor.
80.00	Intersect N. and S. line 3 lks S. of the cor. of secs. 23, 24, 25 and 26.
	Thence I run
	N. 89° 57' W. on true line bet. secs. 23 and 26.
	Over rolling bottom land through dense willows.
6.00	Creek, 13 lks wide, course S. 30° E.
11.00	Leave bottom and willows, enter aspen and scattering pine timber, bear NW. and SE.

SUBDIVISION OF T. 1 S., R. 11 W., U. S. B. & M.

Chains.	
	Abrupt ascent.
40.00	On spur projecting SE.
	Set cobble stone 12x9x6 ins., 8 ins. in ground for ¼ sec. cor. mkd. ¼ on N. face; from which
	an aspen 5 ins. diam., bears N. 25° E. 4 lks dist. mkd. ¼ S 23 B. T.
	an aspen 6 ins. diam., bears S. 20° W. 9 lks dist. mkd. ¼ S 26 B T.
	Desc.
50.00	Road, bears NW. and SE.
68.00	Hollow, course S. 30° E.
	Asc.
80.00	The cor. of secs. 22, 23, 26 and 27.
	Land mountainous.
	Soil stony, 2nd and 3rd rate.
	Timber, aspen.
	Mountainous land heavily timbered and covered with dense undergrowth 80.00 chs.
	———
	N. 0°02' W. bet. secs. 22 and 23,
	Ascending over mountainous land.
4.00	Spur projects E, enter aspen timber, bear E. and W.
	Desc.
5.50	Road, bears N. 60° E. and S. 60° W.
36.00	Enter pine, bear E. and W.
40.00	Set quartzite stone 12x7x6 ins., 8 ins. in ground for ¼ sec. cor. mkd. ¼ on W. face; from which
	a pine 24 ins. diam., bears S. 89° E. 11 lks dist. mkd. ¼ S 23 B T.
	a pine 5 ins. diam., bears N. 87° W. 11 lks dist.

SUBDIVISION OF T. 1 S. R. 11 W. U. S. B. & M.

Chains.	
	mkd. ¼ S 22 B T.
41.80	Leave pines, bear E. and W.
42.00	Leave aspen, enter willow, bear NW. and SE.
	Over rolling bottom land.
44.00	Creek 7 lks wide, course SE.; leave willows, bear NW. and SE.
	Asc.
48.00	Enter aspen timber, bear NW. and SE.
55.00	Spur projects SE.
	Desc.
74.00	Ravine 150 ft. deep, course SE.
	Enter willows, bear NW. and SE. asc.
79.00	Leave willows, bears N. 30° E. and SW.
80.00	Set quartzite stone 12x10x6 ins., 8 ins. in ground for cor. of secs.14, 15, 22 and 23, mkd. 3 notches on SS and 2 notches on E. edge; from which
	an aspen 5 ins. diam., bears N. 16½° E. 11 lks dist.
	mkd. T 1 S R 11 W S 14 B T.
	an aspen 4 ins. diam., bears S. 74° E. 19 lks dist.
	mkd. T 1 S R 11 W S 23 B T.
	an aspen 14 ins. diam., bears S. 29½° W. 23 lks dist.
	mkd. T 1 S R 11 W S 22 B T.
	an aspen 4 ins. diam., bears N. 76° W. 16 lks dist.
	mkd. T 1 S R 11 W S 15 B T.
	Land mountainous.
	Soil stony, 2nd and 3rd rate.
	Timber aspen.
	Mountainous and heavily timbered land covered with dense undergrowth 80.00 chs.

SUBDIVISION OF T. 1 S. R. 11 W. U. S. B. & M.

Chains.	
	Aug. 5, at this cor. I set off 16° 57' N. on decl. arc. and at 0 h. 6m. p.m. l. m. t. observe the sun on the mer., the resulting lat. is 40° 23½' N.
	S. 89° 57' E. on random line bet. secs. 14 and 23.
40.00	Set temp. ¼ sec. cor.
79.98	Intersect N. and S. line 7 lks N. of the cor of secs. 13, 14, 23 and 24.
	Thence I run
	N. 89° 54' W. on true line bet. secs. 14 and 23.
	Ascending along broken N. slope, through heavy aspen and pine timber.
39.99	Set quartzite stone 12x10x5 ins. 8 ins. in ground for ¼ sec. cor. mkd. ¼ on N. face; fr om which
	an aspen 4 ins. diam., bears N. 55° W. 77 lks dist. mkd. ¼ S 14 B T.
	an aspen 5 ins. diam., bears S. 45° W. 50 lks dist. mkd ¼ S 23 B T.
42.00	Spur ridge, bears N. 30° W. and SE.
	Desc.
61.00	Creek 5 lks wide in ravine 250 ft. deep, course S.; leave aspen and pine, bear N. and S. Abrupt ascent.
65.58	Ascent more gradual.
70.00	Spur projects S.
	Desc.
77.85	Enter willows, bear N. and S.
79.15	Creek 3 lks wide, course S. 30° W.
79.40	Leave willows, bear N. and S.
79.98	The cor of secs. 14, 15, 22 and 23.
	Land mountainous.
	Soil, stony,

Chains	
	Soil stony, 2nd and 3rd rate.
	Timber aspen and pine.
	Mountainous land heavily timbered and covered with dense undergrowth 79.98 chs.
	N. 0°02' W. bet. secs. 14 and 15.
	Descending over mountainous land through heavy aspen timber.
8.00	Creek 3 lks wide; enter dense willows, bear N. 10° W. and SE.
10.00	Leave willows, bear SE. and SW.
	Asc.
40.00	Set cobble stone 15x8x6 ins., 10 ins. in ground for ¼ sec cor mkd. ¼ on W. face; from which
	an aspen 10 ins. diam., bears N. 50° E. 4 lks dist. mkd. ¼ S 14 B T.
	an aspen 8 ins. diam., bears N. 40⅓° W. 24 lks dist. mkd. ¼ S 15 B T.
60.00	Aspen in scattering groves.
68.00	Enter willows, bear N. 20° W. and SE.
70.25	Creek 4 lks wide, course SE.
73.00	Leave willows, bears N. 30° W. and S. 30° E.; leave scattering groves of aspen.
74.00	Enter dense sage brush, bear E. and W.
80.00	Set quartzite stone 16x12x8 ins., 11 ins. in ground for c. o. r. of secs. 10, 11, 14 and 15, mkd. with 4 notches on S. and 2 notches on E. edge; raise mound of stone 2 ft. base, 1⅓ ft. high W. of cor.
	Land mountainous.
	Soil stony, 2nd and 3rd rate.
	Timber aspen.
	Mountainous land heavily timbered and covered with dense

SUBDIVISION OF T. 1 S. R. 11 W. U. S. B. & M.

Chains.	undergrowth 80.00 chs.
	S. 89° 54' E. on random line bet. secs. 11 and 14.
40.00	Set temp. ¼ sec. cor.
80.03	Intersect N. and S. line 5 lks S. of the cor. of secs. 11, 12, 13 and 14
	Thence I run
	N. 89° 56' W. on true line bet. secs. 11 and 14.
	Asc. through dense squaw and chokecherry brush and heavy aspen timber.
9.00	Spur projects SE.; leave chokecherry and squaw brush
	bear N. and S. Desc.
27.00	Hollow, course SE.
	Asc.
39.00	Spur projects S. 20° E.
	Desc.
40.01½	Set sandstone 20x9x6 ins., 15 ins. in ground for ¼ sec. cor., mkd. ¼ on N. face; from which
	an aspen 10 ins. diam., bears S. 16° E. 16 lks dist. mkd. ¼ S.14 B T.
	an aspen 12 ins.diam., bears N. 16° E. 23 lks dist. mkd. ¼ S. 11 B T.
46.70	Ravine 70 ft. deep, course SE.
	Asc.
68.00	Spur projects S.
	Desc.
76.75	Leave aspen timber, bear N. and S.
80.03	The cor. of secs. 10, 11, 14 and 15.
	Land mountainous.
	Soil stony, 3rd and 4th rate.

SUBDIVISION OF T. 1 S. R. 11 W. U. S. B. & M.

Chains.	
	Timber aspen.
	Mountainous land heavily timbered and covered with dense undergrowth 80.03 chs.

	N. 0.50 W. bet. secs. 10 and 11.
	Ascending over mountainous land, through dense sage brush.
4.00	Enter scattering aspen timber, bears NE. and SW.
14.00	Leave aspen, bear E. and W.
27.00	Desc.
39.00	Draw, course SW.
	Asc.
40.00	Set sandstone 14x11x5 ins., 10 ins. in ground for ¼ sec. cor. mkd. ¼ on W. face; raise mound of stone 2 ft. base, 1½ ft. high W. of cor.
44.00	Enter aspen, bear E. and W.
56.00	Road, bears E. and W.
57.00	Ridge, bears E. and W.; leave aspen, enter pine timber, bear E. and W.
	Desc.
80.00	Set quartzite stone 12x12x10 ins., 8 ins. in ground for cor of secs. 2, 3, 10 and 11, mkd. with 5 notches on S. and 2 notches on E. edge; from which
	an aspen 4 ins. diam, bears N. 55° E. 98 lks dist. mkd. T 1 S R 11 W S 2 B T
	an aspen 8 ins. diam., bears S. 50½° E. 71 lks dist. mkd. T 1 S R 11 W S 11 B T.
	a balsam 5 ins. diam., bears S. 46° W. 105 lks dist. mkd. T 1 S R 11 W S 10 B T.
	a balsam 10 ins. diam., bears N. 72° W. 157 lks dist. mkd. T 1 S R 11 W S 3 B T.

Chains.	
	Land mountainous.
	Soil stony, 3rd and 4th rate.
	Timber aspen and pine.
	Mountainous land heavily timbered and covered with dense undergrowth 80.00 chs.
	Aug. 5, 1904.
	Aug. 6, at 7 h. a. m. l. m. t. I set off 40° 25½' N. on lat arc, 16° 45½' N. on decl. arc and determine the mer. with the solar, at the cor. of secs. 2, 3, 10, and 11.
	Thence I run
	S. 89° 56' E. on random line bet. secs. 2 and 11.
40.00	Set temp. ¼ sec. cor.
80.00	Intersect N. and S. line 7 lks S. of the cor. of secs. 1, 2, 11 and 12.
	Thence I run
	N. 89° 59' W. on true line bet. secs. 2 and 11.
	Descending over mountainous land through aspen and pine timber.
2.30	Ravine, 50 ft. deep, course S. 70° W.; leave aspen and pine timber, bear N. and SW.
	Asc.
24.85	Road, bears S. and N. 60° E. on ridge, begins S. 60° W. and N. 60° E. Descend.
30.00	Ravine 200 ft. deep, course N.
	Asc.
36.50	Spur projects N.; enter pine timber, bears N. and S.
	Desc.
40.00	Set sandstone 14x10x4 ins., 10 ins. in the ground for ¼ sec. cor. mkd. ¼ on N. face; from which
	a pine 7 ins. diam., bears N. 7° W. 77 lks dist.

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Chains.	
	mkd. ¼ S 2 B T.
	an aspen 10 ins. diam., bears S. 12½° E. 129 lks dist.
	mkd. ¼ S 11 B T.
45.00	Draw, course NW.
	Asc.
75.50	Leave pine, bear N. and S.
80.00	The cor. of secs. 2, 3, 10 and 11.
	Land mountainous.
	Soil stony, 3rd rate.
	Timber aspen and pine.
	Mountainous and heavily timbered land 80.00 chs.

	N. 0°03' W. bet. secs. 2 and 3.
	Descending over mountainous land, through heavy pine and aspen timber.
4.00	Enter heavy pine, bear E. and W.
20.00	Leave pine, bear E. and W.
40.00	Set quartzite stone 16x9x7 ins., 11 ins. in ground for ¼ sec. cor. mkd. ¼ on W. face; from which
	an aspen 7 ins. diam., bears S. 60° E. 87 lks dist.
	mkd. ¼ S 2 B T.
	an aspen 12 ins diam., bears W. 280 lks dist.
	mkd. ¼ S 3 B T.
60.00	Enter heavy aspen timber, bear E. and W.
88.35	Intersect Uintah Special Base Line 12.70 chs. W. of the Standard ¼ sec. cor. on S. bdy of sec. 35, which is a sandstone 12x6x6 ins. above ground,
	firmly set and marked and witnessed as described by Deputy J. W. McKim, under his contract No. 277.
	Set quartzite stone 13x8x5 ins., 9 ins. in ground for closing

Chains.	
	Cor. of secs. 2 and 3. mkd. C C on S. face with 2 grooves on E., 4 grooves on W. face; from which [illegible];
	a balsam 12 ins. diam., bears S. 62° W. 27 lks dist. mkd. T 1 S R 11 W S 3 B T.
	a balsam 14 ins. diam., bears S. 59½° E. 49 lks dist. mkd. T 1 S R 11 W S 2 B T.
	Land mountainous.
	Soil stony, 3rd rate.
	Timber aspen, and pine.
	Mountainous land heavily timbered 88.35 chs.
	Aug. 6, at this cor. I set off 16° 41' N. on decl. arc and at 0 h. 6m. p. m. l. m. t. observe the sun on mer., the resulting lat. is 40° 26½' N.
	From the cor of secs. 3, 4, 33 and 34 on S. bdy of Tp. previously described I run
	N. 0° 02' W. bet. secs. 33 and 34.
	Descending over mountainous land through heavy aspen and scattering pine timber.
2.00	Enter heavy pine, bears E. and W.
9.00	Pine scattering.
12.50	Leave pine and aspen timber and enter dense willows, bear N. 60° E. and SW.
13.00	Creek 3 lks wide in ravine 300 ft. deep, course E. Asc.
14.50	Leave willows, enter aspen timber, bears E. and W.
26.00	Spur projects SE.; enter fallen timber, bear NW. and SE. Desc.
30.20	Ravine 150 ft. deep, course SE.; leave fallen timber, enter chokecherry brush, bear SE. and NW.

SUBDIVISION OF T. 1 S. R. 11 W. U. S. B. & M.

Chains.	
	Abrupt ascent over sandstone ledges, bear E. and W.
33.15	Leave ledges, along broken E. slope.
40.00	Set cobble stone 20x11x8 ins., 15 ins. in ground for ¼ sec. cor. mkd. ¼ on W. face; from which
	an aspen 4 ins. diam., bears N. 60° E. 9 lks dist. mkd. ¼ S 34 B T.
	an aspen 4 ins. diam., bears S. 80° W. 19 lks dist. mkd. ¼ S 33 B T.
70.00	Spur projects N. 60° E.
	Desc.
78.85	Creek, 6 lks wide, course S. 70° E.
	Asc.
80.00	Set cobble stone 13x9x7 ins., 9 ins. in ground for cor. of secs. 27, 28, 33 and 34, mkd. with 1 notch on S. and 3 notches on E. edge; from which
	a pine 8 ins. diam., bears S. 68° W. 64 lks dist. mkd. T 1 S R 11 W S 33 B T.
	an aspen 4 ins. diam., bears S. 38° E. 33 lks dist. mkd. T 1 S R 11 W S 34 B T.
	an aspen 7 ins. diam., bears N. 51° W. 240 lks dist. mkd. T 1 S R 11 W S 28 B T.
	No other trees within limit; raise mound of stone 2 ft. base, 1½ ft. high W. of cor.
	Land mountainous.
	Soil stony, 2nd and 3rd rate.
	Timber aspen and pine.
	Mountainous and heavily timbered land 80.00 chs.

S. 89° 54' E. on random line bet. secs. 27 and 34.

SUBDIVISION OF T. 1 S. R. 11 W. U. S. B. & M.

Chains.	
40.00	Set temp. ¼ sec. cor.
79.98	Intersect N. and S. line 4½ lks S. of the cor of secs. 26, 27, 34 and 35.
	Thence I run
	N. 89° 56' W. on true line bet. secs. 27 and 34.
	Gradually ascending through dense willows.
6.00	Creek, 5 lks. wide, course S.80°E.
10.00	Leave willows, bear N. 70° W. and S. 60° E., enter dense sage brush.
15.00	Enter dense willows, bear N. 15° E. and S. 15° W.
17.00	Leave willows, bear N. and S.
20.00	Enter heavy aspen timber and dense chokecherry brush. begin steep ascent.
39.99	Set cobble stone 15x8x4 ins., 10 ins in ground for ¼ sec. cor mkd. ¼ on N. face from which
	an aspen 4 ins. diam., bears N. 39° W. 29 lks dist. mkd. ¼ S 27 B T.
	an aspen 4 ins. diam., bears S. 58½° W. 31 lks dist. mkd. ¼ S 34 B T.
60.00	Spur projects N. 87° E. Enter fallen timber and scattering pines.
	Desc.
70.00	Creek 10 lks wide, course N. in ravine 200 ft. deep.
	Asc.
78.00	Desc.
79.98	The cor. of secS. 27, 28, 33 and 34.
	Land mountainous and bottom land.

SUBDIVISION OF T. 1 S., R. 11 W. U. S. B. & M.

Chains.	
	Soil stony, 2nd and 3rd rate.
	Timber aspen and pine.
	Mountainous and bottom land heavily timbered and covered with dense undergrowth 79.98 chs.
	Aug. 6, 1904.

	Aug. 7, at 7 hrs. a. m. l. m. t. I set off 40° 22' N. on lat. arc. 16° 29' N. on decl. arc, and determine a mer. with the solar at the cor. of secs. 27, 28, 33, and 34.
	Thence I run N. 0°02' W. bet. secs. 27 and 28
	Over mountainous land; ascending.
5.00	Across saddle, bears N. and S. on
	top of ridge, bears E. and W.
	Desc.
7.00	Abrupt descent; enter heavy aspen and fallen timber.
10.00	Foot of abrupt descent; gradual descent over broken country, sloping E.
18.80	Creek, 3 lks wide in ravine 150 ft. deep, course E.
	Asc.
33.00	Spring branch, 2 lks wide, course SE.
40.00	Set sandstone 12x9x7 ins. 8 ins. in ground for ¼ sec. cor. mkd. ¼ on W. face; from which
	an aspen 4 ins. diam., bears S. 20° W. 35 lks dist. mkd. ¼ S 28 B T.
	an aspen 4 ins. diam., bears S. 3° E. 43 lks dist. mkd. ¼ S 27 B T.
	Leave aspen, bear N. 20° E. and NW.
68.00	Ridge, bears E. and W.; enter heavy aspen and scattering pine timber, bear with ridge.
	Desc.

SUBDIVISION OF T. 1 S. R. 11 W. U. S. B. & M.

Chains.	
80.00	Set cobble stone 12x9x6 ins. 8 ins in ground for cor. of secs. 21, 22, 27 and 28 mkd. with 2 notches on S. and 3 notches on E. edge; from which
	an aspen 4 ins. diam., bears N. 79½° E. 9 lks dist. mkd. T 1 S R 11 W S 22 B T.
	an aspen 4 ins. diam., bears S. 35½° E. 44 lks dist. mkd. T 1 S R 11 W S 27 B T.
	an aspen 4 ins. diam., bears S. 5½° W. 31 lks dist. mkd. T 1 S R 11 W S 28 B T.
	an aspen 4 ins. diam., bears N. 60° W. 41 lks dist. mkd. T 1 S R 11 W S 21 B T.
	Land mountainous.
	Soil stony, 2nd and 3rd rate.
	Timber aspen and pine.
	Mountainous land heavily timbered 80.00 chs.

	S. 89° 56' E. on random line bet. secs. 22 and 27.
40.00	Set temp. ¼ sec. cor.
79.94	Intersect N. and S. line 5 lks N. of the cor. of secs. 22, 23, 26 and 27.
	Thence I run
	N. 89° 54' W. on true line bet. secs. 22 and 27.
	Ascending over mountainous land through heavy aspen timber.
10.20	Road, bears N. 60° E.
14.85	Road, bears N. 60° W. and S. 85° E. from spur projecting SE.
	Desc.
25.50	Abrupt descent.
27.20	Creek 5 lks wide in ravine 200 ft. deep, course SE.

SUBDIVISION OF T. 1 S. R. 11 W. U. S. B. & M.

Chains.	
	Leave heavy aspen, enter scattering aspen and pine, and heavy fallen timber, bear NW. and SE.
	Asc. along broken N. slope.
39.97	Set sandstone 13x10x6 ins., 9 ins. in ground for ¼ sec. cor. mkd. ¼ on N. face; from which
	an aspen 4 ins. diam., bears N. 24½° W. 33 lks dist. mkd. ¼ S 22 B T.
	a balsam 24 ins. diam., bears S. 36° W. 39 lks dist. mkd. ¼ S 27 B T.
50.00	Enter heavy pine and aspen, bear N. and S.
79.94	The cor. of secs. 21, 22, 27 and 28.
	Land mountainous.
	Soil stony, 3rd rate.
	Timber aspen, pine and fallen timber.
	Mountainous land heavily timbered 79.94 chs.

	N. 0°02' W. bet. secs. 21 and 22.
	Desc. over mountainous land through aspen, pine and fallen timber.
16.00	Creek 12 lks wide in ravine 500 ft. deep, course E.
	Asc.
18.10	Road, bears E. and W.; leave fallen timber, bear E. and W.
40.00	On a ridge, bears NW. and SE.
	Set cobble stone 12x10x5 ins., 8 ins. in ground for ¼ sec cor. mkd. ¼ on W. face; from which
	an aspen 6 ins. diam., bears N. 55° E. 21 lks dist. mkd. ¼ S 22 B T.
	an aspen 8 ins. diam., bears N. 40° W. 13 lks dist. mkd. ¼ S 21 B T.
	Descend.

SUBDIVISION OF T. 1 S. R. 11 W. U. S. B. & M.

Chains.	
52.00	Leave aspen and pine, enter dense sage brush, bear E. and W.
61.00	Enter dense willows., bear NW. and SE.
62.00	Creek 12 lks wide in ravine 150 ft. deep, course SE. Asc.
75.40	Leave willows, enter aspen timber., bear NW. and SE.
80.00	Set sandstone 12x9x7 ins., 8 ins. in ground for cor. of secs. 15, 16, 21 and 22, mkd. with 3 notches on S. and E. edges; from which an aspen 9 ins. diam., bears N. 61° E. 51 lks dist. mkd. T 1 S R 11 W S 15 B T. an aspen 5 ins. diam., bears S. 38½° E. 47 lks dist. mkd. T 1 S R 11 W S 22 B T. an aspen 4 ins. diam., bears S. 75° W. 176 lks dist. mkd. T 1 S R 11 W S 21 B T. an aspen 7 ins. diam., bears N. 83° W. 164 lks dist. mkd. T 1 S R 11 W S 16 B T.
	Land mountainous.
	Soil stony, 2nd and 3rd rate.
	Timber aspen and pine and fallen timber.
	Mountainous land heavily timbered and covered with dense undergrowth 80.00 chs.
	Aug. 7, at this cor. I set off 16° 24' N. on decl. arc and at 0h.5½m. P.M. l. m. t. observe the sun on the mer., the resulting lat. is 40° 24' N.

	S. 89° 54' E. on random line bet. secs. 15 and 22.
40.00	Set temp. ¼ sec. cor.
80.03	The cor. of secs. 14, 15, 22 and 23.
	Thence I run N. 89° 54' W. on true line bet. secs. 15 and 22.

SUBDIVISION OF T. 1 S. R. 11 W. U. S. B. & M.

Chains.	
	Ascend over mountainous land through heavy aspen timber.
1.00	Spur projects S. down.
	Desc.
3.35	Ravine 125 ft. deep, course S. 30° E.
	Asc.
23.00	Spur projects SE.
	Desc.
38.50	Ravine 400 ft. deep, course SE.; asc. along broken W. slope.
40.01½	Set cobble stone 12x10x8 ins., 8 ins. in ground for ¼ sec cor. mkd. ¼ on N. face; from which an aspen 5 ins. diam., bears N. 37° E. 173 lks dist. mkd. ¼ S 15 B T. an aspen 5 ins. diam., bears S. 61° W. 66 lks dist. mkd. ¼ S 22 B T.
79.25	Spring branch, bank wide, course S.
80.03	The cor. of secs. 15, 16, 21 and 22.
	Land mountainous.
	Soil stony, 2nd and 3rd rate.
	Timber aspen.
	Mountainous and heavily timbered land covered with dense undergrowth 80.03 chs.

	N. 0°02' W. bet. secs. 15 and 16.
	Ascending over mountainous land through heavy aspen timber.
33.00	Leave aspen on [illegible] bears E. and W.
40.00	Set cobble stone 16x8x5 ins., 11 ins. in ground for ¼ sec. cor. mkd. ¼ on W. face; raise mound of stone 2 ft. base, 1½ ft. high W. of cor.
41.00	Spur ridge, bears SE. and NW.
	Desc. along broken E. slope

Chains.	
58.00	Hollow, course S. 70° E.
	Asc.
73.00	Ridge, bears NE. and SW.
	Desc.
80.00	Set limestone 15x12x6 ins., 10 ins. in ground for cor. of secs. 9, 10, 15 and 16, mkd. with 4 notches on S. and 3 notches on E. edge; raise mound of stone 2 ft. base, 1½ ft high, W. of cor.
	Land mountainous.
	Soil stony, 3rd rate.
	Timber aspen.
	Mountainous and heavily timbered land 80.00 chs.
	———
	S. 89° 54' E. on random line bet. secs. 10 and 15.
40.00	Set temp. ¼ sec. cor.
79.90	Intersect N. and S. line 5 lks S. of the cor of secs. 10, 11, 14 and 15.
	Thence I run
	N. 89° 56' W. on true line bet. secs. 10 and 15.
	Descending over mountainous land through heavy aspen timber.
4.50	Spring branch 3 lks. wide, in ravine 500 ft. deep, course S. 35°E. Ascend.
28.50	Leave aspen, bear N. and S.
39.95	Set sandstone 12x8x8 ins., 8 ins. in ground for ¼ sec. cor. mkd ¼ on N. face; raise mound of stone 2 ft. base, 1½ ft. high N. of cor.
72.50	Ridge, bears NE. and SW.
	Desc.
79.90	The cor. of secs. 9, 10, 15 and 16.

Chains. Land mountainous.

Soil stony, 3rd rate.

Timber aspen.

Mountainous and heavily timbered land 79.90 chs.

Aug. 7, 1904.

Aug. 8, at 7 hs. a. m. l. m. t. I set off 40° 24½' N. on lat. arc, 16° 12'. N. on decl arc and determine a mer. with the solar at the cor. of secs. 9, 10, 15, and 16.

Thence I run

N. 0° 02' W. bet. secs. 9 and 10.

Descending over mountainous land through dense sage brush.

1.85 Road, bears NE. and SW.

36.60 Enter heavy pine timber, bear E. and W.

40.00 Set limestone 15x13x10 ins., 10 ins. in ground for ¼ sec. cor. mkd. ¼ on W. face; from which

an aspen 10 ins. diam., bears N. 56° E. 203 lks dist. mkd. ¼ S 10 B T.

a pine 5 ins. diam., bears N. 88° W. 100 lks dist. mkd. ¼ S 9 B T.

80.00 Set limestone 16x8x5 ins., 11 ins. in ground for cor. of secs. 3, 4, 9 and 10, mkd. with 5 notches on S. and 3 notches on E edge; from which

a pine 6 ins. diam., bears N. 11° E. 65 lks dist. mkd. T 1 S R 11 W S 3 B T.

a pine 6 ins. diam., bears S. 66° E. 152 lks dist. mkd. T 1 S R 11 W S 10 B T.

a pine 12 ins. diam., bears S. 64° W. 42 lks dist. mkd. T 1 S R 11 W S 9 B T.

a pine 12 ins. diam., bears N. 62° W. 32 lks dist.

SUBDIVISION OF T.1 S., R.11 W., U.S.B.& M.

CHAINS	
	mkd. T 1 S R 11 W S 4 B T.
	Land mountainous.
	Soil stony; 3rd. rate.
	Timber pine.
	Mountainous land; heavily timbered, and covered with dense undergrowth. 80.00 chs.

	S. 89°56'E. on a random line bet. secs. 3 and 10
40.00	Set temp. ¼ sec. cor.
79.96	Intersect N. and S. line 9 lks. N. of the cor. of secs. 2-3-10 and 11
	Thence I run
	N. 89°52'W. on a true line bet. secs. 3 and 10
	Descending through heavy aspen and pine timber, over mountainous land.
4.50	Road bears N. 20°E. and S. 20°W.
20.00	Pond 1 ch. diam., enter burnt timber, bear N. and S.
39.98	Set a porphyry stone 13x11x5 ins., 9 ins. in the ground, for ¼ sec. cor., mkd. ¼ on N. face; from which
	A pine 6 ins. diam., bears N. 11°W. 10 lks. dist. mkd. ¼ S 3 B T.
	A pine 4 ins. diam., bears S. 3°E. 13 lks. dist. mkd. ¼ S 10 B T.
79.96	The cor. of secs. 3-4-9 and 10
	Land mountainous.
	Soil stony; 3rd. and 4th. rate.
	Timber pine and aspen.
	Mountainous and heavily timbered land. 79.96 chs.

	N. 0°02'W. on a true line bet. secs. 3 and 4
	Descending through heavy pine and fallen timber.

DEGREES	
[illegible]	Spring branch 5 lks. wide, course NW.
	Legend.
[illegible]	Spur projects NW.
	Legend.
[illegible]	Spring branch 5 lks. wide, course NW.
[illegible]	Leave timber, enter dense willows, and Du Cheane River bottom.
[illegible]	Left Fork of West Fork of Du Cheane River 10 lks. wide, course NW.
	Leave willows, bear NE. and SW.
	Legend.
[illegible]	Set a sandstone [illegible] ins., 10 ins. in the ground, for ¼ sec. cor., mkd. ¼ on E. face; raise a mound of stone 3 ft. base, 1½ ft. high W. of cor.
	August 8, 1864, at this cor. I set off 16°07½'N. on decl. arc, and at Ch. [illegible] p.m. l.m.t. observe the sun on the meridian; the resulting lat. is 40°20'N.
[illegible]	Spur projects E.; enter heavy aspen timber, bear NE. and SW.
	Legend.
[illegible]	Creek 4 lks. wide, course E.
	Legend.
[illegible]	Ridge bears NE. and SW.; enter heavy fallen timber, bears with ridge.
	Legend.
[illegible]	Intersect Uintah Special Base Line 12.[illegible] chs. W. of the standard ¼ sec. cor. on S. bdy. of Sec. 34, which is a sandstone [illegible] ins. above ground, firmly set, marked and witnessed as described by Deputy J.F.[illegible], under his contract No. [illegible].
	Set a sandstone [illegible] ins., 18 ins. in the ground, for closing corner of Secs. 3 and 4, mkd. [illegible] on E., with 3 grooves on E. and W. faces, from which

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Chains.	
	a pine 6 ins. diam., bears S. 82° E. 14 lks dist. mkd. T 1 S R 11 W S 3 B T.
	a pine 10 ins. diam., bears S. 33° W. 45 lks dist. mkd: T 1 S R 11 W S 4 B T.
	Land mountainous.
	Soil stony, 3rd rate.
	Timber pine aspen and fallen timber.
	Mountainous land heavily timbered, and covered with dense undergrowth 88.20 chs.

	From the cor. of secs. 4, 5, 32 and 33 on S. bdy. of Tp previously described I run
	N.0°03' W. bet. secs. 32 and 33.
	Ascending over mountainous land through heavy aspen timber.
25.00	Spur ridge, bears NE. and SW.
	Desc.
40.00	Set sandstone 16x8x5 ins., 11 ins. in ground for ¼ sec. cor. mkd. ¼ on W. face; from which
	an aspen 6 ins. diam.,,bears N. 54° E. 39 lks dist. mkd. ¼ S 33 B T.
	an aspen 8 ins. diam., bears S. 34° W. 92 lks dist. mkd. ¼ S 32 B T.
78.00	Creek 4 lks wide in ravine 350 ft. deep, course S. 75° E. Asc.
80.00	Set sandstone 18x12x4 ins., 12 ins. in ground for cor. of secs. 28, 29, 32 and 33 mkd. with 1 notch on S. and 4 notches on E. edge; from which
	an aspen 10 ins. diam., bears N. 18° E. 19 lks dist. mkd. T 1 S R 11 W S 28 B T.
	a pine 15 ins. diam., bears S. 57° E. 17 lks dist.

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Chains.	
	mkd. T 1 S R 11 W S 33 B T.
	a pine 8 ins. diam., bears S. 58° W. 25 lks dist.
	mkd. T 1 S R 11 W S 32 B T.
	an aspen 10 ins. diam., bears N. 42° W. 14 lks dist.
	mkd. T 1 S R 11 W S 29 B T.
	Land mountainous.
	Soil stony, 2nd and 3rd rate.
	Timber aspen.
	Mountainous land heavily timbered 80.00 chs.
	Aug. 8, 1904.
	Aug. 9, at 7 h. a. m. l. m. t. I set off 40° 22' N. on lat arc, 15° 55' N. on decl. arc and determine a mer. with the solar, at the cor. of secs. 28, 29, 32, and 33.
	Thence I run
	S. 89° 54' E. on random line bet. secs. 28 and 33.
40.00	Set temp. ½ sec. cor.
80.06	Intersect N. and S. line 5 lks N. of the cor. of secs. 27, 28, 33 and 34.
	Thence I run
	N. 89° 52' W. on true line bet. secs. 28 and 33.
	Desc. through dense chokecherry and sarvice brush and heavy fallen timber.
3.00	Creek 3 lks wide, course SE.; enter heavy aspen timber, bears N. and SE.
	Asc.
5.00	Recross Creek, course NE.
40.03	500 ft. above Creek
	Set sandstone 18x12x5 ins., 12 ins. in ground for ½ sec.

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Chains.	
	cor. mkd. ¼ on N. face; from which
	an aspen 8 ins. diam., bears S. 35° W. 32 lks dist. mkd. ¼ S 33 B T.
	an aspen 4 ins. diam., bears N. 17° W. 22 lks dist. mkd. ¼ S 28 B T.
63.00	Enter heavy pine, bear NE. and SW.
80.06	The cor. of secs. 28, 29, 32 and 33.
	Land mountainous.
	Soil stony loam, 2nd and 3rd rate.
	Timber aspen and pine.
	Mountainous and heavily timbered land 80.06 chs.
	———
	N. 0°03' W. bet. secs. 28 and 29.
	Ascending over mountainous land, through heavy aspen and pine timber.
40.00	Set cobble stone 20x18x10 ins., in mound of stone; for ¼ sec. cor. mkd. ¼ on W. face; from which
	an aspen 3 ins. diam., bears S. 88° E. 16 lks dist. mkd. ¼ S 28 B T.
	an aspen 9 ins. diam., bears N. 86° W. 90 lks dist. mkd. ¼ S 29 B T.
44.00	Spur ridge, bears E. and W.
	Desc.
65.00	Ravine 500 ft. deep, course SE.; leave pines, bear E. and W.
	Aspen in scattering groves.
	Asc.
76.00	Leave aspen, bear E. and W.
80.00	Set sandstone 18x10x6 ins., 12 ins. in ground for cor. of secs. 20, 21, 28 and 29, mkd. with 2 notches on S. and 4 notches on E. edge; raise mound of stone 2 ft. base,

SUBDIVISION OF T. 1 S. R. 11 W. U. S. B. & M.

Chains	
	1½ ft. high W. of cor.
	Land mountainous.
	Soil stony, 2nd and 3rd rate.
	Timber aspen and pine.
	Mountainous and heavily timbered land 80.00 chs.
	S. 89° 52' E. on random line bet. secs. 21 and 28.
40.00	Set temp. ¼ sec. cor.
79.98	Intersect N. and S. line 5 lks S. of the cor of secs. 21, 22, 27 and 28
	Thence I run
	N. 89° 54' W. on true line bet. secs. 21 and 28.
	Ascending over broken N. slope, through heavy aspen and pine and fallen timber.
39.99	Set sandstone 14x12x7 ins., 10 ins. in ground for ¼ sec. cor. mkd. ¼ on N. face; from which
	an aspen 4 ins. diam., bears S. 77° E. 26 lks dist. mkd. ¼ S 28 B T.
	an aspen 4 ins. diam., bears N. 34° E. 36 lks dist. mkd. ¼ S 21 B T.
72.00	Leave timber, bear NW. and SE.
73.00	Spur ridge, bears N. 50° W. and SE.; enter dense chokecherry and squaw brush.
	Desc.
79.98	The cor. of secs. 20, 21 28 and 29.
	Land mountainous.
	Soil stony, 2nd and 3rd rate.
	Timber aspen, pine and fallen timber.
	Mountainous land heavily timbered and covered with dense

Chains.	
	undergrowth 79.98 chs.
	N. 0°03' W. bet. secs. 20 and 21.
	Ascending abruptly over mountainous land, through dense chokecherry and squaw brush.
3.20	Enter heavy pine timber, bears E. and W.
5.00	Top of ridge, bears N. 75° W. and S. 60° E.
	Desc.
36.00	Leave pine, bear E. and W.
37.00	Creek, 12 lks wide, in ravine 600 ft. deep, course S. 70° E.
	Ascend.
38.50	Road, bears S. 75° E. and N. 60° W.
40.00	Set cobble stone 12x9x6 ins. 8 ins. in ground for ¼ sec. cor, mkd. ¼ on W. face; raise mound of stone 2 ft. base, 1½ ft. high W. of cor.
45.00	Enter scattering groves of aspen, bear E. and W.
60.00	Leave aspen, bear E. and W.
78.20	Spur ridge, bears S. 50° E. and N. 70° W.
	Desc.
80.00	Set quartzite stone 16x12x8 ins., 11 ins. in ground for cor of secs. 16, 17, 20 and 21, mkd. with 3 notches on S. and 4 notches on E. edge; raise mound of stone 2 ft. base, 1½ ft. high W. of cor.
	Land mountainous.
	Soil stony, 3rd rate.
	Timber aspen and pine.
	Mountainous and heavily timbered land 80.00 chs.
	Aug. 9, at this cor. I set off 15° 50' N. on decl arc, and at 0h. 5½m. p. m. l. m. t. observe the sun on the mer. the resulting lat is 40° 24' N.

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Chains	
	S. 89° 54' E. on random line, bet. secs. 16 and 21.
40.00	Set temp. ¼ sec. cor.
79.95	Intersect N. and S. line 5 lks S. of the cor. of secs. 15, 16, 21 and 22
	Thence I run
	N. 89° 56' W. on true line bet. secs. 15 and 21.
	Descending through dense squaw and chokecherry brush, and heavy aspen timber.
0.30	Enter dense willows, bear N. and S.
1.40	Leave willows, bear N. and S.
13.20	Creek 5 lks wide in ravine 700 ft. deep, course S. 60° E.
	Ascend along broken N. slope.
39.97½	Set cobble stone 24x10x8 ins. 18 ins. in ground for ¼ sec. cor. mkd. ¼ on N. face; from which
	an aspen 10 ins. diam., bears N. 69° W. 66 lks dist. mkd ¼ S 16 B T.
	an aspen 8 ins. diam., bears S. 55° W. 62 lks dist. mkd. ¼ S 21 B T.
57.00	Leave aspen, bear NW. and SE.
79.95	The cor. of secs. 16, 17, 20 and 21.
	Land mountainous.
	Soil stony, 3rd rate.
	Timber aspen.
	Mountainous land heavily timbered and covered with dense undergrowth 79.95 chs.

N. 0°03' W. bet. secs. 16 and 17.

Descending through dense chokecherry and squaw brush.

9.00	Ravine 150 ft. deep, course E.
	Asc.

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Chains.	
36.30	Spur projects SE.
	Desc.
40.00	In a hollow, course SE.
	Set a limestone 24x10x7 ins., 18 ins. in ground for ¼ sec. cor. mkd. ¼ on W. face; raise mound of stone 2 ft. base, 1½ ft. high W. of cor.
	Asc.
41.00	Ridge, bears N. 60° E. and SW.
	Desc.
57.50	Road, bears NE. and SW. in hollow, course NE.
	Asc.
71 00	Ridge, bears E. and W.
	Desc.
74.15	Enter pine and fallen timber, abrupt descent.
80.00	Set quartzite stone 16x10x8 ins., 11 ins. in ground for cor. of secs. 8, 9, 16 and 17, mkd. with 4 notches on S. and E. edges; from which
	a pine, 12 ins. diam., bears N. 28° E. 11 lks dist. mkd. T 1 S R 11 W S 9 B T.
	a pine 6 ins. diam., bears S. 72° E. 8 lks dist. mkd. T 1 S R 11 W S 16 B T.
	a pine 6 ins. diam., bears S. 87° W. 88 lks dist. mkd. T 1 S R 11 W S 17 B T.
	a pine 6 ins. diam., bears N. 89° W. 81 lks dist. mkd. T 1 S R 11 W S 8 B T.
	Land mountainous.
	Soil stony, 2nd and 3rd rate.
	Timber pine.

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Chains.	
	Mountainous Land heavily timbered and covered with dense undergrowth 80.00 chs.
	S. 89° 56' E. on random line bet. secs. 9 and 16.
40.00	Set temp ¼ sec. cor.
80.00	Intersect N. and S. line 2⅓ lks N. of the cor. of secs. 9, 10, 15 and 16.
	Thence I run
	N. 89° 55' W. on true line bet. secs. 9 and 16.
	Descending through dense sage brush.
1.30	Road, bears NE. and SW.
22.00	Hollow, course NE.
	Asc.
40.00	Set quartzite stone 16x12x8 ins., 11 ins. in ground for ¼ sec. cor. mkd. ¼ on N. face; raise mound of stone 2 ft. base, 1⅓ ft. high N. of cor.
45.00	Spur projects NE.; enter scattering pine timber, bear NE. and SW.
	Desc.
76.00	Enter heavy pine timber, bear N. and S.
80.00	The cor. of secs. 8, 9, 16 and 17.
	Land mountainous.
	Soil stony, 3rd rate.
	Timber pine.
	Mountainous land heavily timbered and covered with dense undergrowth 80.00 chs.
	Aug. 9, 1904.
	Aug. 10, 1904, at 7 h. a. m. l. m. t. I set off 40° 24⅓' N. on lat. arc, 15° 37' N. on decl. arc and determine a

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Chains.	
	mer. with the solar at the cor.of secs.8,9,16,and 17.
	Thence I run
	N.0°03' W. bet. secs. 8 and 9.
	Descending over mountainous land through heavy pine timber.
36.50	Leave pine, bear NE. and SW.
40.00	Set limestone 12x11x10 ins., 8 ins. in ground for ¼ sec. cor. mkd. ¼ on W. face; raise mound of stone 2 ft. base, 1½ ft. high W. of cor.
59.65	Creek 5 lks wide 500 ft. deep, course NW.; enter pine and aspen, bears NW. and SE.
62.65	Left Fork of West Fork of Duchesne River 5 lks. wide, course E.;ascend.
80.00	Set quartzite stone 15x12x6 ins., 10 ins. in ground for cor. of secs. 4, 5, 8, and 9, mkd. with 5 notches on S. and 4 notches on E. edge; from which
	a pine 7 ins. diam., bears N. 70° E. 115 lks dist.
	mkd. T 1 S R 11 W S 4 B T.
	an aspen 9 ins. diam., bears S. 19° E. 78 lks dist.
	mkd. T 1 S R 11 W S 9 B T.
	a pine 20 ins. diam., bears S. 40° W. 103 lks dist.
	mkd. T 1 S R 11 W S 8 B T.
	an aspen 4 ins. diam., bears N. 38½° W. 114 lks dist.
	mkd. T 1 S R 11 W S 5 B T.
	Land mountainous.
	Soil stony, 2nd and 3rd rate.
	Timber pine and aspen.
	Mountainous land heavily timbered 80.00 chs.
	S. 89° 55' E. on random line bet. secs. 4 and 9.
40,00	Set temp. ¼ sec. cor.

SUBDIVISION OF T. 1 S., R. 11 W., U. S. S. & M.

Chains.	
80.02	Intersect N. and S. line 7 lks south of the cor. of secs. 3, 4, 9 and 10
	Thence I run
	N. 89° 58' W. on true line bet. secs. 4 and 9.
	Descending over mountainous land through aspen and pine timber.
26.40	Fort Fork of West Fork of Duchesne River 5 lks. wide, in ravine 500 ft. deep; course NE.
40.01	Set cobble stone 15x10x6 ins., 10 ins. in ground for ¼ sec. cor. mkd. ¼ on N. face; from which
	an aspen 12 ins. diam., bears N. 23° W. 55 lks dist. mkd. ¼ S 4 B T.
	an aspen 14 ins. diam., bears S. 13° E. 102 lks dist. mkd. ¼ S 9 B T.
80.02	The cor. of secs. 4, 5, 8 and 9
	Land mountainous.
	Soil stony, 3rd rate.
	Timber aspen and pine.
	Mountainous and heavily timbered land 80.02 chs.

	N. 0°03' W. bet. secs. 4 and 5.
	Ascending over mountainous land through heavy aspen and scattering pine timber.
6.00	Enter dead and fallen timber, bear E. and W.
32.00	Ridge, 500 ft. above sec. cor., bears NE. and SW.
	Desc. through heavy pine and scattering aspen timber.
40.00	A pine 8 ins. diam., for ¼ sec. cor. I mark ¼ S. 5 on W. and 4 on E. face; from which
	a pine 15 ins. diam., bears S. 88° E. 12 lks dist.

CHAINS	
	mkd. ¼ S 4 B T.
	A pine 22 ins. diam., bears S. 47°W. 18 lks. dist.
	mkd. ¼ S 5 B T.
88.12	Intersect Uintah Special Base Line 13.00 chs. W. of the standard ¼ sec. cor. on S. bdy. of sec. 33, which is a sandstone 12x8x5 ins. above ground, firmly set, marked and witnessed as described by Deputy J.W. Mc Kim, under his contract No. 277.
	Set a conglomerate stone 16x8x8 ins., 11 ins. in the ground, for closing corner of secs. 4 and 5, mkd. C C on S., with 4 grooves on E., and 2 grooves on W. faces;
	from which
	A pine 12 ins. diam., bears S. 34°E. 55 lks. dist.
	mkd. T 1 S R 11 W S 4 B T.
	A pine 5 ins. diam., bears S. 62°W. 49 lks. dist.
	mkd. T 1 S R 11 W S 5 B T.
	August 10, 1904, at this cor. I set off 15°32½'N. on decl. arc, and at 0h. 5m. p.m. l.m.t. observe the sun on the meridian; the resulting lat. is 40°26½'N.
	Land mountainous.
	Soil stony; 3rd. rate.
	Timber pine and aspen.
	Mountainous land; heavily timbered. 88.12 chs.
	From the cor. of secs. 5-6-31 and 32 on the S. bdy. of Tp. heretofore described, I run
	N. 0°04'W. bet. secs. 31 and 32
	Ascending over mountainous land, through heavy aspen timber, and dense chokecherry brush.
32.00	Leave aspen, bear E. and W.
40.00	Set a quartzite stone 16x12x6 ins., 11 ins. in the ground, for ¼ sec. cor., mkd. ¼ on W. face; raise a mound of stone 2 ft. base, 1½ ft. high W. of cor.

SUBDIVISION OF T.1 S., R.11 W., U.S.B.& M.

CHAINS	
45.00	Ridge bears NW. and SE.
	Descend.
66.00	Draw, course E.
	Ascend.
80.00	On a spur projecting N. 35°E.
	Set a quartzite stone 16x14x10 ins., 11 ins. in the ground, for cor. of secs. 29-30-31 and 32, mkd. with 1 notch on S., and 5 notches on E. edges; raise a mound of stone 3 ft. base, 1½ ft. high W. of cor.
	Land mountainous.
	Soil stony; 2nd. and 3rd. rate.
	Timber aspen.
	Mountainous land; heavily timbered, and covered with dense undergrowth. 80.00 chs.

S. 89°54'E. on a random line bet. secs. 29 and 32

40.00	Set temp. ¼ sec. cor.
80.10	Intersect N. and S. line 3 lks. S. of the cor. of secs. 28-29-32 and 33,
	Thence I run.
	N. 89°55'W. on a true line bet. secs. 29 and 32
	Descending over mountainous land, through heavy aspen timber.
4.00	Creek 3 lks. wide, course S. 75°E.
	Ascend.
39.90	Abrupt ascent; enter burnt timber, bear NW. and SE.
40.05	Set a cobble stone 18x12x10 ins., 12 ins. in the ground, for ¼ sec. cor., mkd. ¼ on N. face; from which
	An aspen 12 ins. diam., bears S. 28°W. 24 lks. dist. mkd. ¼ S 32 B T.

SUBDIVISION OF T. 1 S., R. 11 W., U. S. B. & M.

Chains.	
	a pine 24 ins. diam., bears N. 89° W. 132 lks dist. mkd. ½ S 29 B T.
70.50	Leave pine and burnt timber, bear N. and S.
80.10	The cor. of secs. 29, 30, 31 and 32.
	Land mountainous.
	Soil stony 2nd and 3rd rate.
	Timber pine and aspen.
	Mountainous and heavily timbered land 80.10 chs.
	Aug.10, 1904.
	Aug. 11, at 7 hs. a. m. l. m. t. I set off 40° 22' N. on lat arc, 15° 19½' N. on decl. arc. and determine a mer. with the solar.at the cor.of secs.29,30.31.and 32.
	Thence I run
	N. 89° 54' W. on random line bet. secs. 30 and 31
40.00	Set temp. ½ sec. cor.
78.42	Intersect W. bdy. of Tp. 7 lks S. of the cor. of secs. 25, 30, 31 and 36 previously described
	Thence I run
	S. 89° 51' E. on true line bet. secs. 30 and 31.
	Desc. through heavy aspen timber.
16.30	Creek, 6 lks. wide, course S.15°W.
	Asc.
33.50	Leave aspen, bear N. and S.
38.42	Set quartzite stone 12x10x6 ins. 6 ins. in ground for ½ sec. cor. mkd. ¼ on N. face; raise mound of stone 2 ft. base, 1½ ft. high N. of cor.
61.00	Ridge, bears NW. and SE.
	Desc.
65.50	Enter pine, bear N. and S.

SUBDIVISION OF T. 1 S., R. 11 W., U. S. B. & M.

Chains.	
73.40	Hollow, course NE.; leave pine, bear N. and S.
	Asc.
78.42	The cor. of secs. 29, 30, 31 and 32.
	Land mountainous.
	Soil stony, 2nd and 3rd rate.
	Timber aspen and pine.
	Mountainous land heavily timbered 78.42 chs.

	N.0°04'W.bet. secs. 29 and 30.
	Descending over mountainous land, through dense chokecherry and squaw brush.
16.50	Hollow, course N. 50° E. asc.
20.00	Dry wash, course E.; along broken E. slope, gradually ascending.
23.00	Enter pine and aspen timber, bear E. and W.
40.00	Set a quartzite stone 13x9x6 ins., 9 ins. in the ground for ¼ sec. cor. mkd. ¼ on W. face; from which an aspen 20 ins. diam., bears S. 36° E. 83 lks dist. mkd. ¼ S 29 B T. an aspen 10 ins. diam., bears S. 88° W. 111 lks dist. mkd. ¼ S 30 B T.
45.00	Descend along broken E. slope; leave aspen and pine timber, bear E. and W.
80.00	Set cobble stone 12x11x5 ins., 8 ins. in the ground for cor. of secs. 19, 20, 29 and 30, mkd. with 2 notches on S. and 5 notches on E. edge; raise mound of stone 2 ft. base, 1½ ft. high W. of cor.
	Land mountainous.
	Soil stony, 2nd and 3rd rate.

SUBDIVISION OF T. 1 S., R. 11 W., U. S. B. & M.

Chains.	
	Timber aspen.
	Mountainous land heavily timbered 80.00 chs.
	———————
	S. 89° 55' E. on random line bet. secs. 20 and 29.
40.00	Set temp. ¼ sec. cor.
80.04	Intersect N. and S. line 5 lks N. of the cor. of secs. 20, 21 28 and 29.
	Thence I run
	N. 89° 53' W. on true line bet. secs. 20 and 29.
	Ascend along broken S. slope.
4.00	Enter aspen timber, bears NW. and SE.
29.50	Spur ridge, bears N. 30° W. and S. 30° E.; leave heavy aspen; enter aspen and pine in scattering groves.
	Desc.
40.02	Set quartzite stone 12x10x5 ins., 8 ins. in ground for ¼ sec. cor. mkd. ¼ on W. face; from which
	an aspen 7 ins. diam., bears N. 43° E. 12 lks dist. mkd. ¼S 20 B T.
	a pine 4 ins. diam., bears S. 71° W. 92 lks dist. mkd. ¼ S 29 B T.
50.00	Ravine 200 ft. deep, course SE.; leave timber, bear N. and S.
	Ascend along broken S. slope.
69.00	Descend along broken S. slope
77.00	Hollow, course SE.
	Ascend.
80.04	The cor. of secs. 19, 20, 29 and 30.
	Land mountainous.
	Soil stony, 3rd rate.
	Timber aspen and pine.
	Mountainous and heavily timbered land 80.04 chs.

SUBDIVISION OF T. 1 S. R. 11 W. U. S. B. & M.

Chains.	
	Aug. 11, at this cor. I set off 15° 15' N. on decl. arc and at 0 h. 5m. p.m. l.m.t. observe the sun on the mer., the resulting lat. is 40° 23' N.
	N. 89°51'W. on a random line, bet. secs. 19 and 30
40.00	Set temp. ¼ sec. cor.
78.25	Intersect W. bdy. of Tp. 3 lks.S. of the cor. of secs. 19-24-25 and 30, previously described.
	Thence I run,
	S. 89°50'E. on a true line, bet. secs. 19 and 30
	Asc. over mountainous land,
13.00	Spur projects SW.
	Descend.
20.00	Head of hollow, course SW.
	Ascend.
27.00	Spur ridge, bears N. and S.
	Descend.
38.25	Set a quartzite stone 16x11x5 ins. 11 ins. in the ground for ¼ sec. cor., mkd. ¼ on N. face; raise a mound of stone 2 ft. base, 1½ ft. high N. of cor.
42.00	Enter heavy pine timber, bears N. and S.
	Head of a ravine, course S.
	Ascend.
61.80	Spur ridge, bears NW. and S. 10°E.
	Descend.
70.00	Leave pine timber, bears N. and S.
78.25	The cor. of secs. 19-20-29 and 30
	Land mountainous.
	Soil stony; 3rd. rate.
	Timber pine.
	Mountainous and heavily timbered land. 78.25 chs.

SUBDIVISION OF T.1 S., R.11 W.,U.S.B.&.M.

CHAINS	
	N.0°04'W. bet. secs. 19 and 20
	Asc. over mountainous land, through dense sage and brier brush.
4.55	Spring branch, .2 lks. wide, course SE.
	Enter scattering pine timber, bears E. and W.
12.00	Ridge bears E. and W.
	Descend.
40.00	Set a limestone 24x10x10 ins. 18 ins. in the ground for ¼ sec. cor., mkd. ¼ on W. face; from which
	A pine 5 ins. diam. bears S. 15°E. 147 lks. dist. mkd. ¼ S 20 B T.
	A pine 12 ins. diam. bears S. 40°W. 130 lks. dist. mkd. ¼ S 19 B T.
42.35	Creek 3 lks. wide, in hollow 300 ft. deep, course N. 70°E.
	Ascend.
60.20	Spur projects N. 60°E.
	Leave timber, bears N. 60°E. and S.60°W.
	Descend.
80.00	Set a sandstone 18x9x5 ins. 12 ins. in the ground for cor. of secs. 17-18-19 and 20, mkd. with 3 notches on S., and 5 notches on E. edge, and raise a mound of stone 2 ft. base, 1½ ft. high W. of cor.
	Land mountainous.
	Soil stony; 3rd. and 4th. rate.
	Timber pine.
	Mountainous and heavily timbered land. 80.00 chs.

	S. 89°53'E. on a random line, bet. secs. 17 and 20
40.00	Set temp. ¼ sec. cor.
80.14	Intersect N. and S. line 7 lks. S. of the cor. of secs. 16-17-20 and 21,
	Thence I run,
	N. 89°56'W. on a true line, bet. secs. 17 and 20

SUBDIVISION OF T.1 S., R.11 W.,U.S.B &.M.

CHAINS	
	Asc. over mountainous land, through dense artemisia.
1.50	Ridge bears NW. and SE.
	Descend.
26.00	Enter heavy aspen timber, bears NW. and SE.
40.07	Set a limestone 22x10x6 ins. 16 ins. in the ground for $\frac{1}{4}$ sec. cor., mkd. $\frac{1}{4}$ on W. face; from which
	An aspen 6 ins. diam. bears N. 73°E. 50 lks. dist. mkd. $\frac{1}{4}$ S.17 B T..
	An aspen 4 ins. diam. bears S. 32°E. 64 lks. dist. mkd. $\frac{1}{4}$ S 20 B.T.
53.70	Creek 8 lks. wide, course SE..
	Leave aspen timber, bear NW. and SE.
60.42	Road bears NW. and SE.
70.50	Creek 8 lks. wide, course SE.
	Ascend.
80.14	The cor. of secs, 17-18-19 and 20.
	Land mountainous.
	Soil stony; 3rd. rate.
	Timber. aspen..
	Mountainous and heavily timbered land. 80.14 chs.
	August 11, 1904.

August 12, 1904, at 7h. a.m. l.m.t. I set off 40°24'N.on lat. arc; 15°02'N. on decl. arc, and determine a meridian with the solar,at the cor.of secs.17,18,19,and 20.

Thence I run,

N. 89°50'W. on a random line,bet.secs.18 and 19

40.00	Set temp. $\frac{1}{4}$ sec. cor.
78.18	Intersect W. bdy. of Tp. 4½ lks. N. of the cor. of secs. 13-18-19 and 24,. previously described.
	Thence I run,
	S. 89°52'E. on a true line, bet. secs. 18 and 19
	Asc. over mountainous land, through dense sage brush.

SUBDIVISION OF T.1 S., R.11.W., U.S.B.& M.

CHAINS	
15.00	Ridge bears N. 30°W. and S. 30°E.
	Enter scattering pine timber, bears with ridge.
	Descend.
38.18	Set a quartzite stone 16x10x5 ins. 11 ins. in the ground for ¼ sec. cor., mkd. ½ on N. face; from which
	A pine 7 ins. diam. bears N. 25°E. 19 lks. dist.
	Mkd. ¼ S 18 B T.
	No other trees within limit.
	Raise a mound of stone 2 ft. base, 1½ ft. high N. of cor.
63.00	Leave scattering pine timber, bears N.60°W. and S.
78.18	The cor. of secs. 17-18-19 and 20
	Land mountainous.
	Soil stony; 3rd. and 4th. rate.
	Timber pine.
	Mountainous land; [illegible], covered with dense undergrowth. 78.18 chs.

N. 0°04'W. bet. secs. 17 and 18

	Desc. over mountainous land, through dense sage brush.
3.70	Creek 6 lks. wide, through ravine 300 ft. deep, course E.
	Ascend.
25.60	Ridge bears NW. and SE.
	Descend.
40.00	Set a limestone 12x8x6 ins. 8 ins. in the ground for ¼ sec. cor., mkd. ¼ on W. face; raise a mound of stone 2 ft. base, 1½ ft. high W. of cor.
44.20	Road bears NW. and SE.
57.00	Enter heavy pine timber, bears NW. and SE.
80.00	Set a sandstone 16x12x8 ins. 11 ins. in the ground for cor. of secs. 7-8-17 and 18, mkd. with 4 notches on S., and 5 notches on E. edge; from which
	A pine 10 ins. diam. bears N. 80°E. 30 lks. dist.
	mkd. T 1 S R 11 W S 8 B T.
	A pine 12 ins. diam. bears S. 39°E. 45 lks. dist.
	mkd. T 1 S R 11 W S 17 B T.

CHAINS	
	A pine 14 ins. diam. bears S. 60°W. 29 lks. dist. mkd. T 1 S R 11 W S 18 B T.
	A pine 8 ins. diam. bears N. 57°W. 83 lks. dist. mkd. T 1 S R 11 W S 7 B T.
	Land mountainous.
	Soil stony; 3rd. rate.
	Timber pine.
	Mountainous and heavily timbered land, covered with dense undergrowth. 80.00 chs.
	S. 89°56'E. on a random line, bet. secs.8 and 17
40.00	Set temp. ¼ sec. cor.
80.20	Intersect N. and S. line 16½ lks. N. of the cor. of secs. 8-9-16 and 17,
	Thence I run,
	N. 89°49'W. on a true line, bet. secs. 8 and 17
	Desc. over mountainous land, through heavy pine and fallen timber.
28.00	Leave heavy pines, enter scattering pine timber, bear N. 20°E. and SW.
40.10	Set a quartzitestone 15x12x8 ins. 10 ins. in the ground for ¼ sec. cor., mkd. ¼ on N. face; from which
	A pine 16 ins. diam. bears N. 9°E. 92 lks. dist. mkd. ¼ S 8 B T.
	A pine 8 ins. diam. bears S. 82°E. 108 lks. dist. mkd. ¼ S 17 B T.
40.20	Creek 1 lk. wide, in ravine 250 ft. deep, course N. 25°E.
	Ascend.
62.50	Spur projects N.
	Leave dead and scattering pine, enter heavy pine. bear N. and S., desc.
80.20	The cor. of secs. 7-8-17 and 18
	Land mountainous.
	Soil stony; 3rd. and 4th. rate.

SUBDIVISION OF T.1.S.,.R.11 W., U.S.B.& M.

CHAINS	
	Timber pine and fallen.
	Mountainous and heavily timbered land. 80.20 chs.
	August 12, 1904, at this cor. I set of 14°57'N. on decl. arc, and at 0 h 5m. p.m. l.m.t., observe the sun on the meridian; the resulting lat. is 40°24½'N.
	N. 89°52'W. on a random line, bet. secs. 7 and 18
40.00	Set temp. ¼ sec. cor.
78.00	Intersect W. bdy. of Tp. 7 lks. N. of the cor. of secs. 7-12-13 and 18, previously described.
	Thence I run,
	S.89°55'E. on a true line, bet. secs. 7 and 18
	Desc. along broken S. slope, through dense sage brush.
10.00	Enter heavy pine timber, bears N. and S.
14.00	A creek 2 lks. wide, course NE.
24.90	Creek 4 lks. wide, 700 ft. below sec. cor., course NE.
	Ascend.
38.00	Set a sandstone 16x12x4 ins. 11 ins. in the ground for ¼ sec. cor., mkd. ¼ on N. face; from which
	A pine 8 ins. diam. bears N. 63°W. 43 lks. dist. mkd. ¼ S 7 B T.
	A pine 8 ins. diam. bears S. 31°W. 69 lks. dist. mkd. ¼ S 18 B T.
	Descend.
42.00	Ravine 200 ft. deep, course NW.
	Ascend.
48.00	Road bears NW. and SE.
78.00	The cor. of secs. 7-8-17 and 18
	Land mountainous.
	Soil stony; 2nd. and 3rd. rate.
	Timber pine.
	Mountainous land; heavily timbered, and covered with dense undergrowth. 78.00 chs.

SUBDIVISION OF T.1 S., R.11 W., U.S.B.& M.

CHAINS	
	N. 0°04'W. bet. secs. 7 and 8
	Desc. over mountainous land, through heavy pine timber.
15.50	Leave pine timber, bear NE. and SW.
24.00	Enter pine timber, bear NE. and SW.
31.00	Left Fork of West Fork of DuChesne River 12 lks. wide, course NE
	Leave pine, and enter aspen timber, bear NE. and SW.
	Ascend.
40.00	Set a quartzite stone 15x9x8 ins. 10 ins. in the ground for ¼ sec. cor., mkd. ¼ on W. face; from which
	An aspen 14 ins. diam. bears N. 77°E. 107 lks. dist. mkd. ¼ S 8 B T.
	An aspen 6 ins. diam. bears S. 55°W. 112 lks. dist. mkd. ¼ S 7 B T.
57.50	Leave aspen timber, bears E. and W.
80.00	Set a quartzite stone 15x10x6 ins. 10 ins. in the ground for cor. of secs. 5-6-7 and 8, mkd. with 5 notches on S. and E. edges; raise a mound of stone 2 ft. base, 1½ ft. high W. of cor.
	Land mountainous.
	Soil stony; 3rd. rate.
	Timber pine and aspen.
	Mountainous and heavily timbered land. 80.00 chs.
	S. 89°49'E. on a random line, bet. secs. 5 and 8
40.00	Set temp. ¼ sec. cor.
80.26	Intersect N. and S. line 26 lks. S. of the cor. of secs. 4-5-8 and 9,
	Thence I run,
	W. on a true line, bet. secs. 5 and 8
	Asc. over mountainous land, through heavy aspen, and scattering pine timber.
27.00	Leave aspen and pine timber, bears NW. and SE.
40.13	Set a quartzite stone 15x10x9 ins. 10 ins. in the ground for ¼ sec. cor., mkd. ½ on N. face; from which

SUBDIVISION OF T.1 S., R.11 W., U.S.B.& M.

CHAINS	
	An aspen 10 ins. diam., bears N. 66°W. 73 lks. dist. mkd. ½ S 5 B T. No other trees within limit.
	Raise a mound of stone 2 ft. base, 1½ ft. high N. of cor.
44.00	Enter heavy aspen, and scattering pine timber, bear NE. and SW.
71.00	Leave aspen and pine timber, bear NE. and SW.
80.26	The cor. of secs. 5-6-7 and 8
	Land mountainous.
	Soil stony; 3rd. rate.
	Timber aspen and pine.
	Mountainous and heavily timbered land. 80.26 chs.
	August 12, 1904.

August 13, 1904, at 7h. a.m. l.m.t. I set off 40°25½'N. on lat. arc; 14°43½'N. on decl. arc, and determine a meridian with the solar. Thence I run

N. 89°55'W. on a true line bet. secs. 6 and 7

The U.I.R. bdy. being within 1 mile of this cor.

Asc. over mountainous land, through dense sage brush.

35.50	Ridge bears N. 60°E. and S. 60°W.; descend.
40.00	Set a quartzite stone 15x10x5 ins., 10 ins. in the ground, for ¼ sec. cor., mkd. ¼ on N. face; from which
	A pine 12 ins. diam., bears N. 20°E. 148 lks. dist. mkd. ½ S 6 B T. No other trees within limit.
	Raise a mound of stone 2 ft. base, 1½ ft. high N. of cor.
50.25	Enter heavy pine timber, bears NE. and SW.
53.25	Leave pine timber, bears NW. and SE.
56.90	On top of divide ridge
	Intersect W. bdy. of Uintah Indian Reservation.
	Set a quartzite stone 36x12x5 ins., 24 ins. in the ground, for closing cor. of secs. 6 and 7, mkd. C C U I R with 5 grooves on E., P L on W. face, and 5 grooves on S. face; raise a mound of stone 2 ft. base, 1½ ft. high E. of cor.
	From the closing corner the ½ mile cor. bet. the Nos.149 and 150 mile cors. as established by Deputies A.H. and F.M. Brown, bears as follows: S.30°30'E. 8.09 chs. to ½ mile cor.

SUBDIVISION OF T.1 S., R.11 W., U.S.B.& M.

CHAINS	
	Land mountainous.
	Soil stony; 3rd. rate.
	Timber aspen and pine.
	Mountainous and heavily timbered land. 56.90 chs.
	N. 0°04'W. on a true line bet. secs. 5 and 6
	Asc. over mountainous land, through heavy pine and aspen timber.
13.00	Ridge bears S. 70°W. and N. 80°E.; descend.
40.00	Set a lime stone 16x14x8 ins., 11 ins. in the ground, for $\frac{1}{4}$ sec. cor., mkd. $\frac{1}{4}$ on W. face; from which
	A pine 8 ins. diam., bears S. 8°E.. 43 lks. dist.
	mkd. $\frac{1}{4}$ S 5 B T.
	A pine 4 ins. diam., bears S. 3°W. 47 lks. dist.
	mkd. $\frac{1}{4}$ S 6 B T.
	Leave heavy, enter scattering pine timber, bears E. and W.
82.00	Leave scattering pine timber, bears NE. and SW.
88.00	Intersect Uintah Special Base Line 13 chs. W. of standard $\frac{1}{4}$ sec. cor. on S. bdy. of sec. 32, which is a sandstone 8x8x5 ins. above ground, firmly set, marked and witnessed as described by Deputy J.W.Mc Kim, under his contract No. 277.
	Set a quartzite stone 16x11x5 ins., 11 ins. in the ground, for closing cor. of secs. 5 and 6, mkd. C C on S., with 5 grooves on E., and 1 groove on W. faces, and raise a mound of stone 2 ft. base, 1½ ft. high S. of cor.
	Land mountainous.
	Soil stony; 2nd. and 3rd. rate.
	Timber aspen and pine.
	Mountainous and heavily timbered land. 88.00 chs.
	August 13, 1904, at this cor. I set off 14°39'N. on decl. arc, and at 0h. 5m. p.m. l.m.t. observe the sun on the meridian; the resulting lat. is 40°26½'N.
	August 13, 1904.

SUBDIVISION OF T.1 S., R.11 W., U.S.B.& M.

General Description.

The land of this township is all mountainous, some of the ridges being very high. The soil is most of it quite stony, only thin strips along some of the larger streams being very rich.

The land produces some very nutritious grasses however, and if it were not over stocked, would make excellent grazing land. At present the land is very much over stocked with sheep.

The West Fork of the Du Chesne River, and the Currant Creek both head in this township, and the land is abundantly watered.

There is considerable pine and aspen timber growing on the mountains of this township, but a great deal of the valuable timber has been destroyed by forest fires.

There are no settlers in this township, and no mineral is found here.

None of the land of this township could be classed as farming land, as it is at too high an altitude and of too rough a character.

There has been considerable timber cut in the western and central portion of the township, which was evidently hauled off the reservation, as the roads do not lead off of the mountains to the east, but do so to the west. These roads are very rough and steep, and are used very little at present.

James McLeod
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 final affidavit see book "P" T.1 S.R.12 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 _____

For final affidavits see book "P" T.1 S.R.12 W., *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, d
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 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 affidavis see. book "P" T.1 S.R.12 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 solemn
swear that all the corners of said survey have been established and perpetuated in strict accordance wi
the Manual of Surveying Instructions, and the special written instructions of the United States Survey
General for ..... and in the specific manner described in the field notes, and th
the foregoing are the original field notes of such survey; and should any fraud be detected, I will suff
the penalty of perjury under the provisions of an Act of Congress approved August 8, 1846.

..... *United States Deputy 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 December 31, 190

The foregoing field notes of the survey of the Subdivisional lines of Township No.1 South, Range No.11 West of the Uintah Special Base and Meridian Utah;

executed by James M. Lentz
under his contract No. 280 , dated July 22, 190 3, having be
critically examined, and the necessary corrections and explanations made, the said field notes, and t
surveys they describe, are hereby approved.

Edward M. Anderson
United States Surveyor Gene

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

United States Surveyor Gener

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BOOK A-315

P.

FIELD NOTES

OF THE SURVEY OF THE

FILED
OCT 31 1904

a.c.

Subdivision
of
Township No. 1 South
Range No. 12 West

Of the Uintah Special Base and Meridian,
In the State of Utah

AS SURVEYED BY

James M. Lentz, United States Deputy Surveyor,

Under his Contract No. 280, dated July 22nd, 1903.

Survey commenced Aug. 13, 1904.

Survey completed Aug. 19, 1904.

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high 26-64-77
Loeing 1-03-43

BOOK A-315

NAMES AND DUTIES OF ASSISTANTS.

William Longanecker	Chainman
Samuel W. Ballard	"
Dexter A. McBride	Mounduan
John N. Carroll	Aidman
Lawrence Swan	"
David J. Marchant	Flagman

For preliminary affidavits see book "C" T.4 S.R.12 W.

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Volume
#
R0315

BOOK A-315

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Meanders Page.....

PRELIMINARY OATHS OF ASSISTANTS.

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

_____

_____, *Chainman.*

_____, *Chainman.*

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

_____

_____

Survey commenced August 13, 1904, and executed with the instrument described in Book "A" of this survey. I began at the cor. of secs. 35 and 36, 1 and 2 on S. bdy. of Tp. 1 S. R. 12 W. in lat. 40°21'07''N., approximate long. 111° 13½'W., previously described.

I examine the adjustments of the transit and find them correct. Then in order to test the solar apparatus by comparing its indications resulting from solar observations made during p.m. and a.m. hours with a meridian determined by Polaris observation. I proceed as follows:

At 5h. p.m. l.m.t. I set off 40°21'N. on lat. arc; 14°36'N. on decl.arc, and determine a true meridian with the solar, and mark a point thereof,by a cross cut in stone, firmly set in the ground, 5 chs. N. of my station.

At 10h. 01m. p.m. l.m.t. I observe Polaris at eastern elongation in accordance with the Manual of Instructions, and mark the line thus determined by a tack driven in a peg, firmly set in the ground 5 chs. N. of my station.

August 13, 1904.

August 14, 1904, at 6h. 30m. a.m. l.m.t. I lay off the azimuth of Polaris 1°34½' to the W., the meridian thus determined falls on a pole held on point cut in stone set August 13, to mark the meridian determined by p.m. solar observation.

At 7h. a.m. l.m.t. I set off 40°21'N. on lat. arc; 14°25'N. on decl. arc, and determine a meridian with the solar. The meridian thus determined falls on a pole held on the point cut in stone to mark the meridian determined by p.m. solar observation, and tested by Polaris observation.

The solar apparatus by p.m. and a.m. observation defines position for the meridian same as that obtained by Polaris observation; therefore, I conclude the adjust-

SUBDIVISION OF T.1 S., R.12 W., U.S.B.& M.

CHAINS	
	ments of the instrument are correct.
	The magnetic bearing of the true meridian at 7h. a. m. l.m.t. is N.17°W. The angle thus determined gives the magnetic decl. 17°E.
	From the cor. above mentioned, I run
	N. 0°01'W. bet. secs. 35 and 36
	Desc. over mountainous land, through heavy aspen timber.
20.00	Ravine 250 ft. deep, course SW.
	Ascend.
40.00	Set a limestone 22x10x5 ins. 16 ins. in the ground for ¼ sec. cor., mkd. ¼ on W. face; from which
	An aspen 4 ins. diam. bears N. 32°E. 159 lks. dist. mkd. ¼ S 36 B T.
	A pine 12 ins. diam. bears S. 73°W. 61 lks. dist. mkd. ¼ S 35 B T.
42.00	Spur projects SW.
	Descend.
50.00	Ravine 250 ft. deep, course SW.
	Ascend.
62.00	Spur projects W., enter heavy dead and fallen pines, bear E. and W.
	Descend.
80.00	Set a limestone 14x10x6 ins. 10 ins. in the ground for cor. of secs. 25-26-35 and 36, mkd. with 1 notch on S. and E. edges; from which
	A balsam 12 ins. diam. bears N. 74°E. 66 lks. dist. mkd. T 1 S R 12 W S 25 B T.
	A balsam 8 ins. diam. bears S. 42°E. 20 lks. dist. mkd. T 1 S R 12 W S 36 B T.
	A balsam 10 ins. diam. bears S. 45°W. 43 lks. dist. mkd. T 1 S R 12 W S 35 B T.
	A balsam 5 ins. diam. bears N. 73°W. 35 lks. dist. mks. T 1 S R 12 W S 26 B T.
	Land mountainous.

SUBDIVISION OF T.1 S., R.12 W., U.S.B.& M.

CHAINS	
	Soil stony; 3rd. rate.
	Timber aspen, pine and fallen.
	Mountainous and heavily timbered land. 80.00 chs.
	———
	E. on a random line, bet. secs. 25 and 36
40.00	Set temp. ¼ sec. cor.
79.94	Intersect E. bdy. of Tp. 9 lks. S. of the cor. of secs. 25-30-31 and 36, previously described.
	Thence I run,
	S. 89°56'W. on a true line, bet. secs. 25 and 36
	Desc. over mountainous land, through heavy aspen and scattering pine timber.
5.10	Ravine 200 ft. deep, course SW.
	Ascend.
20.00	Spur projects S.
	Descend.
39.97	Set a limestone 12x11x7 ins. 8 ins. in the ground for ¼ sec. cor., mkd. ¼ on N. face; from which
	An aspen 6 ins. diam. bears N. 75°W. 102 lks. dist. mkd. ¼ S 25 B T.
	An aspen 6 ins. diam. bears S. 61°E. 132 lks. dist. mkd. ¼ S 36 B T.
43.60	Hollow, course S. 10°E.
	Ascend.
45.00	Saddle in ridge 3 chs, N. of line, bears NW. and SE.
50.00	Ridge bears NE. and SW.
	Descend.
79.94	The cor. of secs. 25-26-35 and 36
	Land mountainous.
	Soil stony; 3rd. rate.
	Timber, aspen and pine.
	Mountainous and heavily timbered land. 79.94 chs.
	———

SURDIVISION OF T.1 S., R.12 W., U.S.B.& M.

CHAINS	
	N. 0°01'W. bet. secs. 25 and 26
	Desc. over mountainous land, through heavy aspen and pine timber.
8.00	Creek 3 lks. wide, in ravine 250 ft. deep, course S.75°W.
	Ascend.
27.00	Spur projects S. 70°W., leave heavy pine, enter scattering pine, and heavy aspen timber, bears with ridge.
	Descend.
37.00	Creek 6 lks. wide, in ravine 300 ft. deep, course W.
	Ascend.
40.00	Set a quartzite stone 12x12x10 ins. 8 ins. in the ground for $\frac{1}{4}$ sec. cor., mkd. $\frac{1}{4}$ on W. face; from which
	An aspen 8 ins. diam. bears N. 47°E. 24 lks. dist. mkd. $\frac{1}{4}$ S 25 B T.
	An aspen 13 ins. diam. bears S. 76°W. 37 lks. dist. mkd. $\frac{1}{4}$ S 26 B T.
55.00	Spur projects W.
	Descend.
80.00	Set a quartzite stone 14x13x10 ins. 10 ins. in the ground for cor. of secs. 23-24-25 and 26, mkd. with 2 notches on S., and 1 notch on E. edge; from which
	An aspen 7 ins. diam. bears N. 14°E. 36 lks. dist. mkd. T 1 S R 12 W S 24 B T.
	An aspen 10 ins. diam. bears S. 3°E. 45 lks. dist. mkd. T 1 S R 12 W S 25 B T.
	An aspen 14 ins. diam. bears S. 55°W. 27 lks. dist. mkd. T 1 S R 12 W S 26 B T.
	An aspen 14 ins. diam. bears N. 29°W. 43 lks. dist. mkd. T 1 S R 12 W S 23 B T.
	Land mountainous.
	Soil loam and stony; 2nd. and 3rd. rate.
	Timber aspen.
	Mountainous and heavily timbered land. 80.00 chs.

SUBDIVISION OF T.1 S., R.12 W., U.S.B.& M.

CHAINS	
	August 14, 1904, at this cor. I set off 14°20'N. on decl. arc, and at 0 h. 5m. p.m. l.m.t. observe the sun on the meridian; the resulting lat. is 40°23'N.
	N. 89°56'E. on a random line, bet. secs. 24 and 25
40.00	Set temp. ¼ sec. cor.
80.02	Intersect W. bdy. of Tp. 7 lks. N. of the cor. of secs. 19-24-25 and 30, previously described.
	Thence I run,
	S. 89°59'W. on a true line, bet. secs. 24 and 25
	Desc. over mountainous land, through dense sage and squaw brush.
36.52	Enter heavy pine timber, bears NE. and SW.
40.01	Set a quartzite stone 15x10x4 ins. 10 ins. in the ground for ¼ sec. cor., mkd. ¼ on N. face; from which
	A pine 12 ins. diam. bears N. 12°W. 18 lks. dist.
	mkd. ¼ S 24 B T.
	A pine 36 ins. diam. bears S. 25°E. 14 lks. dist.
	mkd. ¼ S 25 B T.
40.59	Creek 5 lks. wide, an ravine 300 ft. deep, course S.85°W.
	Ascend.
61.00	Spur projects S"., leave heavy pine, enter heavy aspen and scattering pine timber.
	Descend.
80.02	The cor. of secs. 23-24-25 and 26
	Land mountainous.
	Soil stony; 2nd. and 3rd. rate.
	Timber aspen and pine.
	Mountainous land, heavily timbered, and covered with dense undergrowth. 80.02 chs.

SUBDIVISION OF T.1 S., R.12 W., U.S.B.& M.

CHAINS	
	N. 0°01'W. bet. secs. 23 and 24
	Desc. over mountainous land, through heavy aspen and scattering pine timber.
32.00	Creek 4 lks. wide, in ravine 200 ft. deep, course SW. Ascend.
39.75	Spring branch 1 lk. wide, course W.
40.00	Set a limestone 12x10x10 ins. 8 ins. in the ground for ¼ sec. cor., mkd. ¼ on W. face; from which A pine 28 ins. diam. bears S. 12°E. 14 lks. dist. mkd. ¼ S 24 B T. An aspen 36 ins. diam. bears N. 45°W. 31 lks. dist. mkd. ¼ S 23 B T.
49.30	A ridge bears E. and W. Descend.
80.00	Set a cobblestone 16x8x6 ins. 11 ins. in the ground for cor. of secs. 13-14-23 and 24, mkd. with 3 notches on S., and 1 notch on E. edge; from which An aspen 7 ins. diam. bears N. 68½°E. 39 lks. dist. mkd. T 1 S R 12 W S 13 B T. An aspen 9 ins. diam. bears S. 1°E. 108 lks. dist. mkd. T 1 S R 12 W S 24 B T. An aspen 10 ins. diam. bears S. 15½°W. 100 lks. dist. mkd. T 1 S R 12 W S 23 B T. An aspen 8 ins. diam. bears N. 66½°W. 188 lks. dist. mkd. T 1 S R 12 W S 14 B T. Land mountainous. Soil stony; 2nd. and 3rd. rate. Timber aspen. Mountainous and heavily timbered land. 80.00 chs.

	N. 89°59'E. on a random line, bet. secs. 13 and 24
40.00	Set temp. ¼ sec. cor.
79.98	Intersect E. bdy. of Tp. 2½ lks. N. of the cor. of secs. 13-18-19 and 24, previously described.

SUBDIVISION OF T.1 S., R.12 W., U.S.B.& M.

CHAINS	
	Thence I run,
	W. on a true line, bet. secs. 13 and 24
	Desc. over broken country, through dense sage brush.
4.00	Enter scattering groves of pine and aspen timber, bear NE, and SW.
39.99	Set a quartzite stone 14x12x8 ins. 10 ins. in the ground for $\frac{1}{4}$ sec. cor., mkd. $\frac{1}{2}$ on N. face; from which
	An aspen 7 ins. diam. bears N. 85°W. 209 lks. dist. mkd. $\frac{1}{4}$ S 13 B T.
	An aspen 5 ins. diam. bears S. 81°W. 219 lks. dist. mkd. $\frac{1}{4}$ S 24 B T.
42.00	Enter heavy aspen timber, bears N. 10°E. and SW.
64.15	Creek 4 lks. wide, in gully 1 ch. wide, 75 ft. deep, course SW.
	Ascend over broken country.
79.98	The cor. of secs. 13-14-23 and 24
	Land broken.
	Soil stony; 2nd. and 3rd. rate.
	Timber aspen and pine.
	Broken and heavily timbered land, covered with dense undergrowth. 79.98 chs.
	August 14, 1904.

August 15, 1904, at 7h. a.m. l.m.t. I set off 40°24'N. on lat. arc; 14°06½'N. on decl. arc, and determine a true meridian with the solar, at the cor. of secs. 13, 14, 23, and 24. Thence I run

N.0°01'W. bet. secs. 13 and 14

	Asc. over mountainous land, through heavy aspen and pine timber.
32.40	Ridge bears N. 50°E. and SW.
	Descend.
32.00	Leave heavy aspen and pine timber, enter scattering pine

SUBDIVISION OF T.1 S., R.12 W., U.S.B.& M.

CHAINS	
	and aspen timber.
40.00	Set a quartzite stone 15x12x8 ins. 10 ins. in the ground for ¼ sec. cor., mkd. ¼ on W. face; from which
	An aspen 5 ins. diam. bears N. 33°E. 42 lks. dist.
	mkd. ¼ S 13 B T.
	No other trees within limit.
	Raise a mound of stone 2 ft. base, 1½ ft. high W. of cor.
51.00	Ravine 200 ft. deep, course W.
	Leave scattering, and enter heavy aspen and pine timber.
	Ascend.
73.00	Spur projects W., enter dead and fallen timber.
	Descend.
80.00	Set a lime stone 16x12x4 ins. 11 ins. in the ground for cor. of secs. 11-12-13 and 14, mkd. with 4 notches on S., and 1 notch on E. edge; from which
	A pine 10 ins. diam. bears N. 48°E. 18 lks. dist.
	mkd. T 1 S R 12 W S 12 B T.
	A pine 6 ins. diam. bears S. 44°E. 166 lks. dist.
	mkd. T 1 S R 12 W S 13 B T.
	A pine 6 ins. diam. bears S. 24°W. 165 lks. dist.
	mkd. T 1 S R 12 W S 14 B T.
	A pine 6 ins. diam. bears N. 11°W. 24 lks. dist.
	mkd. T 1 S R 12 W S 11 B T.
	Land mountainous.
	Soil stony; 2nd. and 3rd. rate.
	Timber aspen and pine.
	Mountainous and heavily timbered land. 80.00 chs.

E. on a random line, bet. secs. 12 and 13

40.00	Set temp. ¼ sec. cor.
80.08	Intersect E. bdy. of Tp. 7 lks. N. of the cor. of secs. 7-12-13 and 18, previously described.
	Thence I run,
	N. 89°57'W. on a true line, bet. secs. 12 and 13

SUBDIVISION OF T.1 S., R.12 W., U.S.B.& M.

CHAINS	
	Desc. over mountainous land, through dense sage brush.
0.15	Spring branch 2 lks. wide, course SE., Ascend.
11.20	Enter scattering pine timber, bears N. 30°W. and S.
26.51	Ridge bears NW. and SE., descend.
31.45	Spring branch 2 lks. wide, course NW., in bottom of hollow.
37.50	Spur projects NW., enter heavy pine timber, bears NW. and SE. Descend along broken N. slope.
40.04	Set a lime stone 14x10x3 ins., 10 ins. in the ground, for ¼ sec. cor., mkd. ¼ on N. face; from which
	A pine 10 ins. diam., bears N. 33°E. 55 lks. dist. mkd. ¼ S 12 S T.
	A pine 10 ins. diam., bears S. 34°W. 56 lks. dist. mkd. ¼ S 12 S T
80.08	The cor. of secs. 11-12-13 and 14
	Land mountainous.
	Soil stony; 3rd. rate.
	Timber aspen and pine.
	Mountainous and heavily timbered land. 80.08 chs.
	N.0°01'W. set. secs. 11 and 12
	Desc. over mountainous land, through heavy pine timber.
9.00	Ravine 700 ft. deep, course SE., ascend.
15.00	Enter heavy aspen timber, bears E. and W.
20.00	Leave aspen and pine timber, bears E. and W.
	Enter dense squaw and deer brush, bears E. and W.
37.88	Intersect West Boundary of Uintah Indian Reservation.
	Set a quartzite stone 15x12x3 ins., 10 ins. in the ground, for closing corner of secs. 11 and 12, mkd. C C U I R with 4 grooves on S., UFR on N., with 1 groove on E. faces; raise a mound of stone 2 ft. base, 1½ ft. high S. of cor. From the closing corner, the No. 148th. mile cor., on the boundary as established by Deputies A.H. and F.H. Brown, under contract No. 284, bears
	N. 81°45'E. 12.35 chs.
	Land mountainous.
	Soil stony; 3rd. rate.

SUBDIVISION OF T.1 S., R.12 W., U.S.B.& M.

CHAINS	
	Timber aspen and pine.
	Mountainous and heavily timbered land. 37.38 chs.
	August 15, 1904, at the cor. of secs. 2-3-34 and 35, on S. bdy. of Tp. 1 S., R.12 W., previously described, I set of 14°01½'N. on decl.arc, and at 0h. 4½m p.m.l.m.t.observe the sun on the meridian; the resulting lat. is 40°21'N.
	Thence I run,
	N.0°02'W. bet. secs. 34 and 35
	Desc. over mountainous land; through dense squaw and deer brush.
4.80	Burkman Hollow 600 ft. deep, course S. 35°W., willows 1 ch. wide in bottom.
	Ascend.
13.20	Canal from Willow Creek 10 lks. wide, 2 ft. deep, course S. 40°W.
30.00	Spur projects SE., enter aspen timber, bears NW. and SE.
	Descend.
35.00	Ravine 300 ft. deep, course SE.
	Ascend.
40.00	Set a quartzite stone 15x6x6 ins., 10 ins. in the ground, for ¼ sec. cor., mkd. ¼ on W. face; from which
	An aspen 5 ins. diam., bears N. 2°E. 45 chs. dist. mkd. ¼ S 35 B T.
	An aspen 4 ins. diam., bears N. 34°W. 59 lks. dist. mkd. ¼ S 34 B T.
80.00	Set a limestone 24x12x4 ins., 16 ins. in the ground, for cor. of secs. 26-27-34 and 35, mkd. with 1 notch on S.,

SUBDIVISION OF T.1 S., R.12 W., U.S.B.& M.

CHAINS	
	and 2 notches on E. edge; from which
	An aspen 4 ins. diam. bears N. 5°E. 117 lks. dist.
	mkd. T 1 S R 12 W S 26 B T.
	An aspen 4 ins. diam. bears S. 55°E. 79 lks. dist.
	mkd. T 1 S R 12 W S 35 B T.
	An aspen 5 ins. diam. bears S. 89°W. 80 lks. dist.
	mkd. T 1 S R 12 W S 34 B T.
	An aspen 6 ins. diam. bears N. 42°W. 124 lks. dist.
	mkd. T 1 S R 12 W S 27 B T.
	Land mountainous.
	Soil stony; 3rd. rate.
	Timber aspen and pine.
	Mountainous and heavily timbered land, covered with dense undergrowth. 80.00 chs.

	E. on a random line, bet. secs. 26 and 35
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.07	Intersect N. and S. line 9 lks. S. of the cor. of secs. 25-26-35 and 36
	Thence I run,
	S. 89°56'W. on a true line, bet. secs. 26 and 35
	Desc. over mountainous land, through heavy pine and fallen timber.
23.10	Leave fallen timber, bear NE. and SW.
23.60	Creek 4 links wide , , in ravine 600 ft. deep, course SW.
	Leave pine, enter heavy aspen timber, bear NE. and SW.
	Ascend.
40.03½	Set an aspen post 3 ft. long, 3 ins. sq., 24 ins. in the ground, for $\frac{1}{4}$ sec. cor., mkd. $\frac{1}{4}$ S 26 on N., 35 on S. face; from which
	An aspen 6 ins. diam. bears S. 16°E. 20 lks. dist.
	mkd. $\frac{1}{4}$ S 35 B T.
	An aspen 4 ins. diam. bears N. 10°W. 11 lks. dist.

SUBDIVISION OF T.1 S., R.12 W., U.S.B.&M.

CHAINS	
	mkd. ¼ S 26 B.T.
41.00	Spur projects SW.
	Descend.
57.50	Spring branch 3 lks. wide, in ravine 400 ft. deep, course SW.
	Ascend.
59.00	Spur projects S.
	Descend.
60.00	Spring branch 2 lks. wide, in ravine 400 ft. deep, course SE.
	Ascend.
76.00	Ridge bears NW. and SE., enter dense chokecherry brush.
	Descend.
80.07	The cor. of secs. 26-27-34 and 35
	Land mountainous.
	Soil stony; 2nd. and 3rd. rate.
	Timber aspen, and pine.
	Mountainous and heavily timbered land. 80.07 chs.

N. 0°02'W. bet. secs. 26 and 27

	Asc. over mountainous land, through heavy aspen timber.
3.30	Ridge bears N. 30°E. and W., enter pine timber, bears E. and W., desc.
40.00	Set an aspen post 3 ft. long, and 3 ins. sq., 24 ins. in the ground for ¼ sec. cor., mkd. ¼ S 27 on W., 26 on E. face; from which
	An aspen 4 ins. diam. bears N. 71°E. 9 lks. dist. mkd. ¼ S 26 B T.
	An aspen 7 ins. diam. bears S. 38°W. 95 lks. dist. mkd. ¼ S 27 B T.
50.93	Creek 12 lks. wide, in ravine 700 ft. deep, course SW., leave heavy pine, enter scattering pine and aspen timber, bear NE. and SW.
	Ascend.

SUBDIVISION OF T.1 S., R.12 W., U.S.B.& M.

CHAINS	
80.00	Set a limestone 15x12x5 ins. 10 ins. in the ground for cor. of secs. 22-23-26 and 27, mkd. with 2 notches on S., and E. edges;from which
	An aspen 6 ins. diam. bears N. 46°E. 121 lks. dist. mkd. T 1 S R 12 W S 23 B T.
	An aspen 6 ins. diam. bears S. 35°E. 26 lks. dist. mkd. T 1 S R 12 W S 26 B T.
	An aspen 4 ins. diam. bears S. 73°W. 42 lks. dist. mkd. T 1 S R 12 W S 27 B T.
	An aspen 5 ins. diam. bears N. 52°W. 47 lks. dist. mkd. T 1 S R 12 W S 22 B T.
	Land mountainous.
	Soil stony and loam; 2nd. and 3rd. rate.
	Timber aspen and pine.
	Mountainous land;heavily timbered, and covered with dense undergrowth. 80.00 chs,
	August 15, 1904.
	August 16, 1904, at 7h. a.m. l.m.t. I set off 40°23'N.on lat. arc; 13°48'N. on decl. arc, and determine a meridian with the solar,at the cor.of secs.22,23,26,and 27.
	Thence I run,
	N. 89°56'E. on a random line, bet. secs. 23 and 26
40.00	Set temp. ¼ sec. cor.
79.96	Intersect N. and S. line 7 lks. N. of the cor. of secs. 23-24-25 and 26
	Thence I run,
	S. 89°59'W. on a true line, bet. secs. 23 and 26
	Desc. over mountainous land, through heavy aspen and pine timber.
28.00	Creek 3 lks. wide, course SW.
32.00	Creek 3 lks. wide, in ravine 300 ft. deep, course S.
	Ascend.
37.00	Spur projects S.

SUBDIVISION OF T.1 S., R.12 W., U.S.B.& M.

CHAINS	
	Descend.
39.98	Set a lime stone 15x10x8 ins. 10 ins. in the ground for ¼ sec. cor., mkd. ¼ on N. face; from which
	An aspen 7 ins. diam. bears N. 76°E. 77 lks. dist. mkd. ¼ S 23 B T.
	An aspen 5 ins. diam. bears S. 6°W. 58 lks. dist. mkd. ¼ S 26 B T.
42.00	Hollow, course S.
	Center of old sheep corral.
	Ascend.
50.50	Spur projects S.
	Descend.
68.00	Leave pine and aspen timber, enter dense chokecherry and sage brush, bear N. and S.
74.00	Hollow, course N., enter heavy aspen timber, bears N. and S.
	Ascend.
79.96	The cor. of secs. 22-23-26 and 27
	Land mountainous.
	Soil stony; 2nd. and 3rd. rate.
	Timber aspen and pine.
	Mountainous and heavily timbered land. 79.96 chs.
	N. 0°02'W. bet. secs. 22 and 23
	Asc. over mountainous land, through heavy aspen timber.
3.00	Top of small knoll, bears E, and W.
	Descend.
39.00	Ravine 500 ft. deep, course SW.
	Ascend.
40.00	Set a lime stone 15x10x4 ins. 10 ins. in the ground for ¼ sec. cor., mkd. ¼ on W. face; from which.
	An aspen 5 ins. diam. bears N. 22°W. 44 lks. dist. mkd. ¼ S 22 B T.

SUBDIVISION OF T.1 S., R.12 W., U.S.B.& M.

CHAINS	
	An aspen 15 ins. diam. bears N. 23°E. 69 lks. dist. mkd. $\frac{1}{4}$ S 23 B T.
45.00	Spur projects SW.
	Descend.
64.00	Hollow, course SW.
	Ascend.
77.25	Spur projects S. 70°W.
	Descend.
80.00	Set a cobble stone 14x10x7 ins. 10 ins. in the ground for cor. of secs. 14-15-22 and 23, mkd. with 3 notches on S., and 2 notches on E. edge; from which
	An aspen 5 ins. diam. bears N. 38°E.121 lks. dist. mkd. T 1 S R 12 W S 14 B T.
	An aspen 7 ins. diam. bears N. 22°W. 211 lks. dist. mkd. T 1 S R 12 W S 15 B T.
	An aspen 10 ins. diam. bears S. 35°E. 110 lks. dist. mkd. T 1 S R 12 W S 23 B T.
	An aspen 4 ins. diam. bears S. 48½°W. 227 lks. dist. mkd. T 1 S R 12 W S 22 B T.
	Land mountainous.
	Soil stony; 2nd. and 3rd. rate.
	Timber, aspen and pine.
	Mountainous and heavily timbered land. 80.00 chs.

	N. 89°59'E. on a random line, bet. secs. 14 and 23
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.00	Intersect N. and S. line 5 lks. N. of the cor. of secs. 13-14-23 and 24
	Thence I run,
	N. 89°59'W. on a true line, bet. secs. 14 and 23
	Asc. over mountainous land, through scattering aspen timber.
20.00	Enter heavy aspen, and scattering pine timber, bears NE.

SUBDIVISION OF T.1 S., R.13 W., U.S.B.& M.

CHAINS	
	and SW.
	Desc. along S. slope of mountain.
25.00	Saddle bears NW. and SE., and ridge bears NE. and SW.
	Descend.
40.00	Hollow, course S. 75°W.
	Set a sandstone 12x10x5 ins. 8 ins. in the ground for $\frac{1}{4}$ sec. cor., mkd. $\frac{1}{4}$ on N. face; from which
	An pine 8 ins. diam. bears N. 20°E. 83 lks. dist. mkd. $\frac{1}{4}$ S 14 B T.
	An aspen 7 ins. diam. bears S. 10°W. 107 lks. dist. mkd. $\frac{1}{4}$ S 23 B T.
	Ascend.
75.00	N. end of pond 2 chs. wide, 3 chs. long,
77.00	Ridge bears NE and SW.
80.00	The cor. of secs. 14-15-22 and 23
	Land mountainous.
	Soil stony; 3rd. rate.
	Timber aspen and pine.
	Mountainous and heavily timbered land. 80.00 chs.
	August 16, 1904, at this cor. I set off 13°43'N. on decl. arc, and at 0 h.4 m.p.m.l.m. observe the sun on the meridian; the resulting lat. is 40°23½'N.

N. 0°02'W. bet. secs. 14 and 15

	Desc. over mountainous land, through heavy aspen timber.
31.70	Creek 4 lks. wide, in ravine 150 ft. deep, course S.50°W.
	Ascend.
40.00	Set a quartzite stone 12x10x5 ins. 8 ins. in the ground for $\frac{1}{4}$ sec. cor., mkd. $\frac{1}{4}$ on W. face; from which
	An aspen 6 ins. diam. bears S. 1½°E. 200 lks. dist. mkd. $\frac{1}{4}$ S 14 B T.
	An aspen 10 ins. diam. bears S. 10°W. 150 lks. dist. mkd. $\frac{1}{4}$ S 15 B T.
42.50	Top of flat spur projects SW.
	Descend.

SUBDIVISION OF T.1 S., R.12 W., U.S.B.& M.

CHAINS	
59.50	Creek 3 lks. wide, in hollow 50 ft. deep, course SW.
	Ascend.
71.00	Spur projects SW.
	Descend.
77.75	Ravine 200 ft. deep, course S. 60°W.
	Ascend.
80.00	Set a lime stone 14x10x9 ins. 10 ins. in the ground for cor. of secs. 10-11-14 and 15, mkd. with 4 notches on S., and 2 notches on E. edge; from which
	An aspen 8 ins. diam. bears N. 76°E. 69 lks. dist.
	mkd. T 1 S R 12 W S 11 B T.
	An aspen 5 ins. diam. bears S. 29°E. 14 lks. dist.
	mkd. T 1 S R 12 W S 14 B T.
	An aspen 12 ins. diam. bears S. 67°W. 19 lks. dist.
	mkd. T 1 S R 12 W S 15 B T.
	An aspen 7 ins. diam. bears N. 68°W. 26 lks. dist.
	mkd. T 1 S R 12 W S 10 B T.
	Cor. set on spur projects SW.
	Land mountainous.
	Soil stony; 2nd. and 3rd. rate.
	Timber aspen.
	Mountainous and heavily timbered land. 80.00 chs.
	S. 89°59'E. on a random line, bet. secs. 11 and 14
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.08	Intersect N. and S. line 7 lks. S. of the cor. of secs. 11-12-13 and 14,
	Thence I run,
	S. 89°58°W. on a true line, bet. secs. 11 and 14
	Desc. over mountainous land, along broken N. slope, through heavy aspen and pine timber.
9.50	Creek 2 lks. wide, in ravine 100 ft. deep, course SW.
	Ascend.
25.00	Spur projects SW., desc.

SUBDIVISION OF T.1 S., R.12 W., U.S.B.& M.

CHAINS	
36.72	Creek 4 lks. wide, course NE.
40.04	Set a sandstone 16x14x6 ins. 11 ins. in the ground for $\frac{1}{4}$ sec. cor., mkd. $\frac{1}{4}$ on N. face; from which
	A pine 4 ins. diam. bears S. 45°E. 17 lks. dist.
	mkd. $\frac{1}{4}$ S 14 B T.
	A pine 5 ins. diam. bears N. 49°W. 9 lks. dist.
	mkd. $\frac{1}{4}$ S.11 B T.
53.90	Creek 6 lks. wide, in ravine 150 ft. deep, course SW.
	Ascend.
67.00	Spur projects SW.
	Descend.
74.78	Ravine 100 ft. deep, course SW.
	Ascend.
80.08	The cor. of secs. 10-11-14 and 15
	Land mountainous.
	Soil stony; 3rd. rate.
	Timber aspen and pine.
	Mountainous and heavily timbered land. 80.08 chs.
	N. 0°02'W. bet. secs. 10 and 11
	Asc. over mountainous land, through heavy aspen timber.
3.00	Spur projects SW.
	Descend.
32.35	Creek 2 lks. wide, in ravine 200 ft. deep, course SW.
	Ascend.
40.00	400 ft. above sec. cor.
	Set a quartzite stone 15x10x5 ins. 10 ins. in the ground for $\frac{1}{4}$ sec. cor., mkd. $\frac{1}{4}$ on W. face; from which
	An aspen 4 ins. diam. bears S. 21°E. 20 lks. dist.
	mkd. $\frac{1}{4}$ S 11 B T.
	An aspen 14 ins. diam. bears S. 56°W. 25 lks. dist.
	mkd. $\frac{1}{4}$ S 10 B T.
74.00	Leave aspen timber, bears E. and W.
74.20	Road bears E. and W.

SUBDIVISION OF T.1 S., R.12 W., U.S.B.& M.

CHAINS	
74.80	Intersect West Boundary of Uintah Indian Reservation.
	Set a sandstone 18x12x8 ins., 12 ins. in the ground, for closing cor. of secs. 10 and 11, mkd. COUIR with 5 grooves on S., P.L. on N., with 2 grooves on E. faces; from which
	A pine 16 ins. diam., bears S. 8½°E. 204 lks. dist.
	mkd. U I R T 1 S R 12 W S 11 B T.
	An aspen 12 ins. diam., bears S. 6°W. 177 lks. dist.
	mkd. U I R T 1 S R 12 W S 10 B T.
	From the closing corner the ½ mile cor. bet. Nos. 146 and 147 mile posts, on the boundary as established by Deputies A.H. and F.M. Brown, under their contract No. 264. bears as follows:
	N. 66°15'W. 5.79 chs. to angle cor.; thence
	N. 43°45'W. 9.20 chs. to ½ mile stone.
	Land mountainous.
	Soil stony; 2nd. and 3rd. rate.
	Timber aspen.
	Mountainous and heavily timbered land. 74.80 chs.
	August 16, 1904.
	August 17, 1904, at 7h. a.m. l.m.t. I set off 40°21'N. on lat. arc; 13°29'W. on decl. arc, and determine a meridian with the solar, at the cor. of secs. 3-4-33 and 34, on the S. bdy. of T.1 S., R.12 W., previously described.
	Thence I run,
	N.0°02'W. bet. secs. 33 and 34
	Asc. over broken country, along E. slope of mountain, through heavy aspen and scattering pine timber.
16.00	Spur projects SE., descend.
22.00	Ravine 250 ft. deep, course S. 50°E. Ascend.
36.00	Spur projects E., descend.
40.00	Set a sandstone 27x10x6 ins., in a mound of stone, for ¼ sec. cor., mkd. ¼ on W. face; from which
	An aspen 7 ins. diam., bears N. 55°W. 23 lks. dist.

SUBDIVISION OF T.1 S., R.12 W., U.S.B.& M.

CHAINS	
	mkd. $\frac{1}{4}$ S 33 B T.
	An aspen 9 ins. diam., bears S.65°E. 22 lks. dist.
	mkd. $\frac{1}{4}$ S 34 B.T.
42.50	Ravine 200 ft. deep, course E., enter dense chokecherry and squaw brush, bear E. and W., ascend.
60.00	Spur projects E., leave heavy aspen and scattering pine, enter burnt and fallen timber.
80.00	Set a quartzite stone 15x8x5 ins., 10 ins. in the ground, for cor. of secs. 27-28-33 and 34, mkd. with 1 notch on S., and 3 notches on E. edges; raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor.
	Land mountainous.
	Soil stony; 2nd. and 3rd. rate.
	Timber aspen and pine.
	Mountainous land; heavily timbered, and covered with dense undergrowth. 80.00 chs.

	E. on a random line, bet. secs. 27 and 34.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
79.88	Intersect N. and S. line 7 lks. N. of the cor. of secs. 26-27-34 and 35
	Thence I run,
	N. 89°57'W. on a true line, bet. secs. 27 and 34
	Desc. over mountainous land, through heavy aspen timber, and dense chokecherry brush.
11.00	Saddle 2 chs. N. of line, bears N. and S., in ridge bears E. and W.
	Ascend along broken S. slope.
25.00	Spur ridge bears S. 20°W. and N. 80°E., descend.
39.94	Set a lime stone 12x10x6 ins., 8 ins. in the ground, for $\frac{1}{4}$ sec. cor., mkd. $\frac{1}{4}$ on N. face; from which
	An aspen 4 ins. diam., bears N. 20°E. 89 lks. dist. mkd. $\frac{1}{4}$ S 27 B T.
	A pine 12 ins. diam., bears S. 21°E. 42 lks. dist. mkd. $\frac{1}{4}$ S 34 B T.

SUBDIVISION OF T.1 S., R.12 W., U.S.B.&M.

CHAINS	
42.50	Leave heavy aspen timber, enter dense willow, bear N. and S.
46.00	Old Creek channel, course S., leave dense willows, enter heavy aspen timber, bear N. and S., ascend.
47.00	Canal. 10 lks. wide, 3 ft. deep, course S. 10°W.
50.00	Leave heavy aspen, enter heavy pine and scattering aspen timber, bears N. and S.
60.00	Leave heavy pine, enter dense scrub aspen timber, bears NE. and SW., descend.
70.00	Ravine 150 ft. deep, course SE., leave dense scrub aspen, enter burnt and fallen pine timber, bears NW. and SE. Ascend.
79.88	The cor. of secs. 27-28-33 and 34
	Land mountainous.
	Soil stony; 3rd. rate.
	Timber aspen and pine.
	Mountainous land; heavily timbered, and covered with dense undergrowth. 79.88 chs.

Knowing the U.I.R. Bdy. to be within 1 mile of this cor. I run,

W. on a true line, bet. secs. 28 and 33

Ascend over mountainous land, through heavy burnt and fallen timber.

26.00	Leave burnt and fallen timber, enter scattering aspen timber, bears NW. and SE.
26.88	On top of divide ridge.
	Intersect West Boundary of Uintah Indian Reservation.
	Set a quartzite stone 18x10x8 ins., 13 ins. in the ground, for closing corner of secs. 28 and 33, mkd. C C U I R with 3 grooves on E., P L on W., and 1 groove on S. faces; from which
	An aspen 9 ins. diam., bears S. 16°E. 89 lks. dist. mkd. U I R T 1 S R 12 W S 33 B T.

SUBDIVISION OF T.1 S., R.12 W., U.S.M.& M.

CHAINS

An aspen 14 ins. diam., bears N. 52½°E. 14 lks. dist. mkd. U I P T 1 S R 12 W S 28 B T.

From the closing corner the ½ mile cor., bet. Nos. 141 and 142 mile posts, on the boundary as established by Deputies A.H. and F.F. Brown, under their contract No. 264, bears N. 6°45'W. 8.40 chs. to ½ mile post.

Land mountainous.

Soil stony; 3rd. rate.

Timber aspen.

Mountainous and heavily timbered land. 26.88 chs.

August 17, 1904, I set off 13°24'E. on decl. arc, and at 0 h.4m. p.m. l.m.t. observe the sun on the meridian, at the cor. of secs. 27-28-33 and 34; the resulting lat. is 40°22'N.

Thence I run,

N. 0°02'W. bet. secs. 27 and 28

Descend over mountainous land, through heavy burnt and fallen pine timber.

5.00 Ravine 200 ft. deep, course S. 80°E., leave burnt and fallen pine, enter dense scrub aspen timber, bears NW. and S. 80°E., ascend.

14.75 Spur projects S. 70°E., descend.

33.00 Ravine 250 ft. deep, course S. 65°E., ascend.

40.00 Set a quartzite stone 16x9x6 ins., 11 ins. in the ground, for ¼ sec. cor., mkd. ¼ on W. face; from which

An aspen 4 ins. diam., bears S. 15°E. 3 lks. dist. mkd. ¼ S 27 B T.

An aspen 8 ins. diam., bears S. 70°W. 43 lks. dist. mkd. ¼ S 28 B T.

47.75 Spur projects SW., Descend.

51.00 Ravine 300 ft. deep, course SE., ascend.

70.00 Spur projects SE.,

Level.

SUBDIVISION OF T.1 S., R.12 W., U.S.B.& M.

CHAINS	
80.00	Set a quartzite stone 12x8x6 ins., 8 ins. in the ground, for cor. of secs. 21-22-27 and 28, mkd. with 2 notches on S., and 3 notches on E. edges.
	No suitable trees within limit.
	Raise a mound of stone 2 ft. base, 1½ ft. high W. of cor.
	Land mountainous.
	Soil stony; 3rd. rate.
	Timber aspen and burnt pine.
	Mountainous and heavily timbered land. 80.00 chs.
	S. 89°57'E., on a random line, bet. secs. 22 and 27
40.00	Set temp. ¼ sec. cor.
79.94	Intersect N. and S. line 3 lks. N. of the cor. of secs. 22-23-26 and 27.
	Thence I run,
	N. 89°56'W. on a true line, bet. secs. 22 and 27.
	Descend over mountainous land, through scattering pine and aspen timber.
27.00	Foot of descent, leave pine and aspen timber, enter dense willows, bear N. and S.; thence over nearly level bottom.
29.00	Creek, branch of Strawberry River, 12 lks. wide, in canon 500 deep, course S.20°W.
31.00	Leave willows, enter heavy pine and scattering aspen timber, bear N. and S.; ascend.
39.97	Set a quartzite stone 15x10x5 ins., 10 ins. in the ground, for ¼ sec. cor., mkd. ¼ on N. face; from which
	A. pine 9 ins. diam., bears S. 7 lks. dist.
	mkd. ¼ S 27 B T.
	A balsam 8 ins. diam., bears N. 25°E. 30 lks. dist.
	mkd. ¼ S 22 B T.
46.00	Leave pine timber, enter dense manzanita brush, bears N. and S.
50.00	Enter dense scrub aspen timber, bears NW. and SE.
79.94	The cor. of secs. 21-22-27 and 28

SUBDIVISION OF T.1 S., R.12 W., U.S.B.& M.

CHAINS

Land mountainous.

Soil stony; 3rd. rate.

Timber pine and aspen.

Mountainous land; heavily timbered, and covered with dense undergrowth. 79.94 chs.

August 17, 1904.

August 18, 1904, at 7h. a.m. l.m.t. I set off 40°23'N. on lat. arc, 13°09½'N. on decl. arc, and determine a meridian with the solar at the cor. of secs. 21, 22, 27, and 28. Knowing that I will intersect W.Bdy. of U.I.R. within 80.00 chs. I run West on a true line bet. secs. 21 and 28

Asc. over mountainous land, through dense scrub aspen timber, and manzanita brush.

22.40 Top of ridge bears N. 20°W. and S. 40°45'W.

Leave manzanita brush, bears with ridge.

24.26 Intersect West Boundary of Uintah Indian Reservation.

Set a quartzite stone 18x12x5 ins., 12 ins. in the ground, for closing corner of secs. 21 and 28, mkd. C C U I R with 3 grooves on E., P L on W., and 2 grooves on S. faces; from which

An aspen 6 ins. diam., bears N. 84°E. 32 lks. dist. mkd. U I R T 1 S R 12 W S 21 B T.

An aspen 6 ins. diam., bears S. 31°E. 12 lks. dist. mkd. U I R T 1 S R 12 W S 28 B T.

From the closing corner the ¼ mile cor. bet. Mon. 142 and 143 mile post, on the boundary, as established by Deputies A.N. and F.M. Brown, under their contract No. 264, bears as follows:

N. 19°45'E. 3.52 chs. to angle cor., thence;

N. 25°45'W. 3.50 chs. to ¼ mile stone.

Land mountainous.

Soil stony; 3rd. rate.

Timber scrub aspen.

Mountainous land; heavily timbered and covered with dense undergrowth. 24.26 chs.

SUBDIVISION OF T.1 S., R.12 W., U.S.B.& M.

CHAINS	
	From the cor. of secs. 21-22-27 and 28, I run,
	N. 0°02'W. bet. secs. 21 and 22
	Desc. over mountainous land, through dense scrub aspen timber, and manzanita brush.
8.50	Ravine 150 ft. deep, course E.
	Ascend.
20.10	Spur projects E., leave scrub aspen, enter heavy aspen timber, bears E. and W.
32.00	Ravine 200 ft. deep, course S. 70°E., leave heavy aspen timber, enter dense chokecherry and brier brush, bears S. 70°E. and N. 70°W.
	Ascend.
40.00	Top of rocky spur projects E.
	Set a sandstone 15x10x7 ins. 10 ins. in the ground for $\frac{1}{4}$ sec. cor., mkd. $\frac{1}{4}$ on W. face; raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor.
	Descend.
50.20	Ravine 200 ft. deep, course S. 65°E., enter pine timber, bears E. and W., ascend.
80.00	Set a sandstone 16x8x8 ins. 11 ins. in the ground for cor. of secs. 15-16-21 and 22, mkd. with 3 notches on S., and E. edges; from which
	A pine 18 ins. diam. bears N. 45°E. 39 lks. dist. mks. T 1 S R 12 W S 15 B T.
	A pine 15 ins. diam. bears S. 10°E. 36 lks. dist. mkd. T 1 S R 12 W S 22 B T.
	A pine 10 ins. diam. bears S. 75°W. 27 lks. dist. mkd. T 1 S R 12 W S 21 B T.
	A pine 24 ins. diam. bearw N. 85°W. 29 lks. dist. mkd. T 1 S R 12 W S 16 B T.
	Land mountainous.
	Soil stony; 3rd. and 4th. rate.
	Timber aspen and pine.
	Mountainous land; heavily timbered, and covered with dense undergrowth. 80.00 chs.

SUBDIVISION OF T.1 S., R.12 W., U.S.B.& M.

CHAINS	
	S.89°56'E. on a random line, bet. secs.15 and 22
40.00	Set temp. ¼ sec. cor.
80.04	Intersect N. and S. line 5 lks. S. of the cor. of secs. 14-15-22 and 23,
	Thence I run,
	N.89°58'W. on a true line, bet. secs. 15 and 22
	Desc. over mountainous land. through scattering aspen, pine and fallen timber,
20.00	Leave scattering scattering aspen, pine and fallen timber, bears N. and S.
30.00	Branch of Strawberry River,10 lks.wide,in ravine 500 ft. deep,course S.25°W.
	Enter scattering aspen timber, bears N. 30°E. and S. 30°W.
	Ascend.
40.02	Set a sandstone 13x9x4 ins. 9 ins. in the ground for ¼ sec. cor., mkd. ¼ on N. face; from which
	An aspen 6 ins. diam. bears N. 58°W. 59 lks. dist. mkd. ¼ S 15 B T.
	An aspen 4 ins. diam. bears S. 65°W. 90 lks. dist. mkd. ¼ S 22 B T.
	Enter heavy fallen timber.
75.00	Enter heavy pine, leave scattering aspen timber, bear NW. and SE.
80.04	The cor. of secs. 15-16-21 and 22
	Land mountainous.
	Soil stony; 3rd. and 4th. rate.
	Timber aspen pine and fallen timber.
	Mountainous and heavily timbered land. 80.04 chs.
	August 18, 1904, at this cor. I set off 13°04½'E. on decl. arc, and at 0 h.3½m.p.m.l.m.t. observe the sun on the meridian; the resulting lat. is 40°23½'N.

	Knowing that I will intersect W.bdy.of U.I.R.within 80.00 chs.I run W.on a true line, bet. secs. 16 and 21.
	Asc. over mountainous land, and slide rock, through scattering pine timber.

SUBDIVISION OF T.1 S., R.12 W., U.S.B.& M.

CHAINS	
11.00	Enter heavy aspen timber, bears N. and S.
22.29	On top of divide ridge,
	Intersect West Boundary of Uintah Indian Reservation.
	Set a sandstone 18x10x8 ins., 12 ins. in the ground, for closing corner of secs. 16 and 21, mkd C C U I R with 3 grooves on E., P L on W., and 3 grooves on S. faces; from which
	An aspen 4 ins. diam., bears N. 60°E. 67 lks. dist. mkd. U I R T 1 S R 12 W S 16 B T.
	An aspen 15 ins. diam., bears S. 55°E. 16 lks. dist. mkd. U I R T 1 S R 12 W S 21 B T.
	From the closing corner, the ½ mile cor. bet. Nos. 143 and 144 Mile posts on the boundary as established by Deputies A.H. and F.M. Brown, under their contract No.264 bears
	N. 19°45'E. 2.95 chs. to ½ mile post.
	Land mountainous.
	Soil stony; 4th. rate.
	Timber aspen and pine.
	Mountainous and heavily timbered land. 22.29 chs.

	From the cor. of secs. 15-16-21 and 22, I run,
	N. 0°02'W. bet. secs. 15 and 16
	Desc. over mountainous land, along broken slope, through scattering pine timber.
5.60	Ravine 150 ft. deep, course N. 70°E., ascend along broken E. slope.
12.00	Leave pine, enter heavy aspen timber, bears N. and W.
40.00	Set an aspen post 3 ft. long, 4 ins. sq., 24 ins. in the ground, for ¼ sec. cor., mkd. ¼ S 16 on W., and [illegible] 16 on E. faces; from which
	An aspen 8 ins. diam., bears S. 65°E. 42 lks. dist. mkd. ¼ S 15 B T.
	An aspen 4 ins. diam., bears N. 33°W. 29 lks. dist. mkd. ¼ S 16 B T.
61.70	Intersect West Boundary of Uintah Indian Reservation, on top of divide ridge,

SUBDIVISION OF T.1 S., R.12 W., U.S.B.& M.

CHAINS	
	Set a quartzite stone 18x8x6 ins., 12 ins. in the ground, for closing corner of secs. 15 and 16, mkd. C C U I R with 4 grooves on S.; 3 grooves on E. and PL on N. face; from which
	An aspen 15 ins. diam., bears N. 40°E. 43 lks. dist. mkd. U I R T 1 S R 12 W S 15 B T.
	A balsam 20 ins. diam., bears S. 12°W. 28 lks. dist. mkd. U I R T 1 S R 12 W S 16 B T.
	From the closing corner the ½ mile cor., bet. Nos. 144 and 145 mile posts, on the boundary as established by Deputies A.H. and F.M. Brown, under their contract No. 264, bears as follows:
	N. 19°45'E. 11.38 chs. to angle cor., thence
	N. 32°15'W. 5.60 chs. to ½ mile post.
	Land mountainous.
	Soil stony; 3rd. and 4th. rate.
	Timber aspen and pine.
	Mountainous and heavily timbered land. 61.70 chs.
	From the cor. of secs. 10-11-14 and 15, I run,
	W. on a true line, bet. secs. 10 and 15
	Descend over mountainous land, through heavy aspen, and scattering pine timber.
6.50	Creek 5 lks. wide, in ravine 100 ft. deep, course S., asc.
16.40	Spur projects S., descend.
19.00	Spring branch 1 lk. wide, in ravine 75 ft. deep, course S. Ascend.
22.20	Spur projects S., descend.
26.85	Creek 7 lks. wide, in ravine 300 ft. deep, course S.10°E. Ascend.
40.00	Set a lime stone 16x12x4 ins., 11 ins. in the ground, for ¼ sec. cor., mkd. ¼ on N. face; from which
	A pine 10 ins. diam., bears S. 17°E. 20 lks. dist. mkd. ¼ S 15 B T.
	An aspen 4 ins. diam., bears N. 36°E. 21 lks. dist. mkd. ¼ S 10 B T.
[illegible]	[illegible] pine timber, leave [illegible] aspen

SUBDIVISION OF T.1 S., R.12 W., U.S.B.& M.

CHAINS	
45.00	Enter burnt pine timber, leave heavy aspen timber, bears NW. and SE.
80.00	Set a lime stone 18x10x8 ins., 12 ins. in the ground, for cor. of secs. 9-10-15 and 16, mkd. with 4 notches on S., and 3 notches on E. edges; raise a mound of stone 2 ft. base, 1½ ft. high N. of cor.
	Land mountainous.
	Soil stony; 3rd. rate.
	Timber aspen and pine.
	Mountainous land; heavily timbered. 80.00 chs.

S. 0°02'E. bet. secs. 15 and 16

	Ascend over mountainous land, through burnt timber.
2.84	On top of divide ridge, Intersect West Boundary of Uintah Indian Reservation.
	Set a sandstone 15x10x8 ins., 10 ins. in the ground, for closing corner of secs. 15 and 16. mkd. C C U I R with 2 grooves on N., P L on S., and 3 grooves on E. faces;
	from which
	An aspen 8 ins. diam., bears S. 75°E. 99 lks. dist.
	mkd. U I R T 1 S R 12 W S 15 B T.
	No other suitable trees within limit.
	Raise a mound of stone 2 ft. base, 1½ ft. high N. of cor.
	From the closing corner the ½ mile cor., bet. Nos.144 and 145 mile posts on the boundary, as established by Deputies A.H. and F.H. Brown, under their contract No. 264, bears
	S. 32°15'E. 0.54 chs. to ½ mile post.
	Land mountainous.
	Soil stony; 3rd. rate.
	Timber burnt and fallen pine.
	Mountainous land. 2.84 chs.

Knowing that I will intersect the W.bdy.of the Uintah Indian Reservation within 80.00 chs.,I run

SUBDIVISION OF T.1 S., R.12 W., U.S.B.& M.

CHAINS	
	From the cor. of secs. 9-10-15 and 16, I
	W. on a true line, bet. secs. 9 and 16
	Asc. over mountainous land, through burnt and fallen timber.
1.78	On top of divide ridge,
	Intersect West Boundary of Uintah Indian Reservation.
	Set a sandstone 15x10x7 ins., 10 ins. in the ground, for closing corner of secs. 9 and 16, mkd. C C U I R with 3 grooves on E., P L on W., and 4 grooves on S. faces; raise a mound of stone 2 ft. base, 1½ ft. high E. of cor.
	From the closing corner the ¼ mile corner bet. Nos. 144 and 145 mile posts, on the boundary as established by Deputies A.H. and F.M. Brown, under their contract No.264, bears
	S. 32°15'E. 5.90 chs. to ½ mile post.
	Land mountainous.
	Soil stony; 3rd. rate.
	Timber burnt pine.
	Mountainous land with burnt and fallen timber. 1.78 chs.
	August 18, 1904.
	August 19, 1904, at the cor. of secs. 9-10-15 and 16, I set off 40°24½'N. on lat. arc; 12°50'E. on decl. arc, and at 7h. a.m. l.m.t. determine a meridian with the solar.
	Thence I run,
	N. 0°02'W, bet. secs. 9 and 10
	Descending over mountainous land, through heavy burnt and fallen timber.
7.00	Hollow, course SE.
	Ascend.
15.00	Spur projects E., enter aspen and pine timber, bears E. and W.
	Descend.
22.00	Ravine, course NE.
	Ascend.

SUBDIVISION OF T:1 S:, R:12 W., U.S.B.& M.

CHAINS	
40.00	Set a lime stone 14x10x7 ins., 10 ins. in the ground, for ¼ sec. cor., mkd. ¼ on W. face; from which An aspen 12 ins. diam., bears N. 12°E. 26 lks. dist. mkd. ¼ S 10 B T. A pine 6 ins. diam., bears N. 11°W. 16 lks. dist. mkd. ¼ S 9 B T.
49.80	Leave aspen and pine timber, bears E. and W.
52.35	Intersect West Boundary of Uintah Indian Reservation. On top of divide ridge, Set a lime stone 22x8x4 ins., 16 ins. in the ground, for closing corner of secs. 9 and 10, mkd. C C U I R with 5 grooves on S., P L on N., and 3 grooves on E. faces; raise a mound of stone 3 ft. base, 1½ ft. high S. of cor. From the closing corner the ½ mile corner, bet. Nos. 145 and 146 mile posts, on the boundary as established by Deputies A.H. and F.M. Brown, under their contract No.264, bears as follows: N. 34°E. 4.70 chs. to angle cor., thence, N. 67°30'E. 11.60 chs. to ½ mile post. Land mountainous. Soil stony; 3rd. rate. Timber aspen and pine. Mountainous and heavily timbered land. 52.35 chs. August 19, 1904.

SUBDIVISION OF T.1 S., R.12 W., U.S.B.& M.

General Description.

The land of this township is very mountainous and rough. In the south eastern portion of the township the slopes are very steep, while in the northern portion the slopes are longer and more gradual.

Along the branch of Strawberry River there is, in some places, a narrow valley; but in most places, the mountain slopes run down nearly to the creek, leaving very little level land in the creek bottom.

Along some of the streams the soil is very rich, but on the mountain slopes it is quite stony and coarse. It produces some very fine grasses however, and would make excellent grazing land, for a reasonable number of cattle, but it is very much over stocked with sheep and cattle at present; the cattle and sheep for which permits have been issued, being concentrated largely on the western portion of the reservation.

There is considerable timber in the township, though only a limited amount of it would be fit for saw timber. The larger part of the timber is aspen, which is of very little value for lumber.

The township is well watered, but is too rough, and at too great an altitude to be farmed. A large amount of water is being taken from this township, at present for use outside of the reservation, and a large amount of land, in the Provo Valley has been reclaimed by the use of water, taken from this township, and the township south.

There is no mineral, and there are no settlers in the township.

James M Lindsey
U S Deputy Surveyor

BOUNDARIES OF TOWNSHIP 1 S., R.12 W., U.S.B.& M.

Latitude, departures, and closing errors.

Line Designated	True Bearing	Distance	Latitude N.	Latitude S.	Departure E.	Departure W.
		chs.	chs.	chs.	chs.	chs.
Bdy. T.1S., R.11W.	South	380.15		380.15		
" T.2S., R.12W.	West	278.95				278.95
ntah Indian Res-	N.37°45'W.	11.06	8.75			6.77
vation Boundary	N. 53°E.	27.70	16.67		22.12	
" " "	N. 13°W.	16.60	16.17		3.73	
" " "	N.17°15'W.	4.50	4.30			1.33
" " "	N.26°30'W.	14.90	13.33			6.65
" " "	N. 14°E.	15.60	15.14		3.77	
" " "	N.37°15'W.	4.40	3.50			2.66
" " "	N. 6°45'W.	29.00	28.80			3.41
" " "	N.17°15'W.	8.30	7.93			2.46
" " "	N.10°45'E.	49.20	48.34		9.18	
" " "	N.25°45'W.	3.50	3.15			1.52
" " "	N. 8°W.	14.00	13.99			.49
" " "	N.30°30'E.	5.50	4.74		2.79	
" " "	N. 4°W.	14.20	14.16			.99
" " "	N.35°45'E.	6.30	5.11		3.68	
" " "	N. 7°45'E.	15.70	15.56		2.12	
" " "	N.20°30'W.	16.30	15.27			5.71
" " "	N.19°45'E.	82.40	77.55		27.84	
" " "	N.33°15'W.	31.00	26.22			16.54
" " "	N. 0°45'W.	14.60	14.60			.19
" " "	N. 34°E.	28.40	23.55		15.88	
" " "	N.67°30'E.	46.60	17.83		43.05	
" " "	N. 5°E.	5.00	4.98		.43	
" " "	N.25°30'E.	20.60	18.59		8.88	
" " "	S.45°45'E.	28.60		20.65	19.78	
" " "	S.66°15'E.	49.80		20.06	45.58	
" " "	S.37°30'E.	16.00		12.69	9.74	
" " "	S. 88°E.	5.00		.17	5.00	
" " "	S. 57°E.	15.00		8.17	12.58	

BOUNDARIES OF TOWNSHIP 1 S., R.12 W., U.S.B.& M.

Continued

Latitude, departures, and closing errors.

Line Designated	True Bearing.	Distance	Latitude N.	Latitude S.	Departure E.	Departure W.
I. R. Bdy.	N.81°45'E.	40.20	5.77		39.78	
" " "	S.60°30'E.	31.70		15.61	27.58	
" " "	N.52°30'E.	22.10	13.45		17.53	
" " "	N.20°15'E.	21.84	20.49		7.56	
Convergency					.25	
Totals			457.84	457.50	328.85	327.60
			457.50		327.60	
Errors in lat. and dep.			.34		1.25	

James M Lentz

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 the surveys embraced in this contract;therefore,in order to save time and expense,I administer the preliminary and final oaths myself.

James M Lentz

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 James M. Lentz, 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 Subdivisions of Tps. 1, 2 & 3 S. R. 11 W. Tps. 1, 2 3 & 4 S. R. 12 W. & Tp. 2 S., R. 13 W. Uintah Special Base & Meridian, State of Utah, showing the respective capacities in which they acted:

William Longenecker, Chainman.
Samuel M. Ballard, Chainman.
Dexter A. McBride, Moundman.
, Moundman.
John N Carroll, Axman.
Lawrence Swan, Axman.
David J. Marchant, Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted James M. Lentz, United States Deputy Surveyor, in surveying all those parts or portions of the Subdivisions of Tps. 1, 2, and 3 S. R. 11 W. Tps. 1, 2, 3 & 4 S., R. 12 W. & Tp. 2 S., R. 13 W. of the Uintah Special 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.

William Longenecker, Chainman.
Samuel M Ballard, Chainman.
, Moundman.
Dexter A McBride, Moundman.
John N Carroll, Axman.
Lawrence Swan, Axman.
David J. Marchant, Flagman.

Subscribed and sworn to before me this 20th day of August, 1904.

SEAL

James M Lentz
U.S. Deputy Surveyor.

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BOOK A-315

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, James M.Lentz, United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from Edward H.Anderson United States Surveyor General for Utah, bearing date of the 22d day of July ,1903, ~~189~~, I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for Utah, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of the Subdivisional lines of Townships Nos.1,2,and 3 South,Range No.11 W.;Townships Nos.1,2,3,and 4 S. Range No.12 West;and Township No.2 South,Range No.13 West

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

in books C.E.G.I.K.M.O.and P.

James M.Lentz
United States Deputy Surveyor.

Subscribed by said James M.Lentz, and sworn to before me this 27th day of December 1904

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

SEAL

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City,Utah,December 31, 1904.

The foregoing field notes of the survey of the Subdivisional lines of Township No.1 South,Range No.12 West of the Uintah Special Base and Meridian, Utah,

executed by James M.Lentz under his contract No. 280, dated July 22, 1903, ~~189~~, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Edward H.Anderson
United States Surveyor General.

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

_____
United States Surveyor General.

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