Volume

#

R0309

BOOK A-309

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6—151

PRELIMINARY OATHS OF ASSISTANTS.

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

.....

....., *Chainman.*

....., *Chainman.*

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

SEAL

.....

.....

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

.....

....., *Moundman.*

....., *Moundman.*

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

SEAL

.....

.....

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

.....

....., *Axman.*

....., *Axman.*

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

SEAL

.....

.....

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

....., *Flagman.*

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

SEAL

.....

.....

BOOK A-309

INDEX DIAGRAM.

Township 5 S., *Range* 6 W.

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Meanders Page

PRELIMINARY OATHS OF ASSISTANTS.

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

....., *Chainman.*

....., *Chainman.*

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

SEAL

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

....., *Moundman.*

....., *Moundman.*

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

SEAL

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

....., *Axman.*

....., *Axman.*

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

SEAL

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

....., *Flagman.*

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

SEAL

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31	32	33	34	35	36

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6—151

PRELIMINARY OATHS OF ASSISTANTS.

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

..... , *Chainman.*

..... , *Chainman.*

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

SEAL

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

..... , *Moundman.*

..... , *Moundman.*

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

SEAL

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

..... , *Axman.*

..... , *Axman.*

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

SEAL

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

..... , *Flagman.*

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

SEAL

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INDEX DIAGRAM.

Township 4 S, *Range* 3 W

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PRELIMINARY OATHS OF ASSISTANTS.

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

.....

..... , Ch

..... , Ch

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

SEAL

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

.....

..... , Mo

..... , Mo

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

SEAL

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

.....

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

SEAL

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

..... , F

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

SEAL

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INDEX DIAGRAM.

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6—151

PRELIMINARY OATHS OF ASSISTANTS.

We, ... and .....
do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain over every 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 [illegible] according to instructions given me, to the best of my skill and ability, in the

..... *Flagman.*

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

SEAL

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Township 2 N., *Range* 5 W.

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457 18 523	17 513	16 504	15 495	14 487	13
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457 19 522	20 511	21 502	22 493	23 485	24
520	519	510	502	492	485
456 30 518	29 509	28 501	27 491	26 484	25
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455 31 517	32 508	33 499	34 491	35 483	36
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PRELIMINARY OATHS OF ASSISTANTS.

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

..., *Chainman.*

..., *Chainman.*

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

SEAL

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

..., *Moundman.*

..., *Moundman.*

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

SEAL

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

..., *Axman.*

..., *Axman.*

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

SEAL

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

..., *Flagman.*

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

SEAL

4—679.

BOOK A-309

FILED
AUG 19 1904

X.

FIELD NOTES

OF THE SURVEY OF THE

FIRST GUIDE MERIDIAN WEST

through

Township No. 7 South

Between Ranges 4 and 5 West

Of the UINTAH SPECIAL BASE AND *Meridian,*

STATE OF UTAH

AS SURVEYED BY

John R. Stewart and Andy J. Stewart, *United States Deputy Surveyor;*

Under ~~*his*~~ their *Contract No.* 271, *dated* July 22, 1903, 189

Survey commenced May 16, 1904, 189

Survey completed May 17, 1904, 189

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Length 2 Ch. 44'
Offset 3.20'

NAMES AND DUTIES OF ASSISTANTS.

J. Franklin Duffin	Chainman
Angus M. Woodbury	Chainman
William T. Dobson	Chainman
Golden Leetham	Chainman
John T. Woodbury Jr.	Moundman
William Burridge	Moundman
Quimby Stewart	Axman
George H. Northen	Axman
Ashton S. Nebeker	Flagman

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INDEX DIAGRAM.

Township 7 South, *Range* 4 West.

1st Guide Meridian West.

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3	7	8	9	10	11	12
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	19	20	21	22	23	24
	30	29	28	27	26	25
	31	32	33	34	35	36

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PRELIMINARY OATHS OF ASSISTANTS.

WE, J. Franklin Duffin and Argyle M. Woodbury and William T. Dobson and Golden Lutham do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain over even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of the 1st Guide Meridian W., through Tps. 7 S., bet. Rs. 4 and 5 W., Uintah Special Base and Meridian Utah.

J. Franklin Duffin ... Chainman.
Argyle M. Woodbury, Chainman.
William T. Dobson ... Chainman
Golden Lutham ... Chainman

Subscribed and sworn to before me this 24th day of May 1904.

SEAL

John R. Stewart
U.S. Deputy Surveyor

WE, John T. Woodbury Jr. and William Burridge do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey of the 1st Guide Meridian W., through Tps. 7 S., bet. Rs. 4 and 5 W., Uintah Special Base and Meridian Utah

John T. Woodbury Jr. Moundman.
William Burridge Moundman.

Subscribed and sworn to before me this 12th day of May 1904.

SEAL

John R. Stewart
U.S. Deputy Surveyor.

WE, Quimby Stewart and George W. Warthen do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey of the 1st Guide Meridian W., through Tps. 7 S., bet. Rs. 4 and 5 W., Uintah Special Base and Meridian Utah

Quimby Stewart ... Axman.
George W. Warthen ... Axman.

Subscribed and sworn to before me this 12th day of May 1904.

SEAL

John R. Stewart
U.S. Deputy Surveyor.

I, Ashton S. Nebeker, do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of the 1st Guide Meridian W., through Tps. 7 S., bet. Rs. 4 and 5 W., Uintah Special Base and Meridian Utah

Ashton S. Nebeker Flagman.

Subscribed and sworn to before me this 12th day of May 1904.

SEAL

John R. Stewart
U.S. Deputy Surveyor.

1st Guide Meridian West, through Tps. 7 S. bet. Rs. 4 and 5 W.

Survey commenced May 16, 1904, and executed with a Young and Sons light mountain transit No. 7382, 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 ars.

The instrument was examined tested on the mer. at Salt Lake City, found correct, and was approved by the surveyor general for Utah, on August 21, 1903.

I examine the adjustments of the instrument and correct the level and collimation errors; then, to test the solar apparatus by comparing its indications resulting from solar observations made during p.m. and a.m. hours, with a mer. established by observation on Pol. I proceed as follows:

At the cor. of Tps. 6 and 7 S., Rs. 4 and 5 W., latitude 39° 55'01"N., 110° 26'00"W., I set off 39° 55'N., on the lat. arc; 19° 11'N., on the decl. arc; and (at 4 h 30 m p.m., l.m.t.), determine a mer. with the solar, and mark a point thereof on a stone firmly set in the ground, 5.00 chs. N. of cor.

May 16, 1904.

May 17, 1904: At 3 h 45 m a.m., l.m.t., I obs. Pol. at eastern elong. in accordance with the Manual, and mark a point in the line thus determined on a peg driven in the ground, 5.00 chs. N. of the cor.

At 6 h 59 m a.m., l.m.t., I lay off the azimuth of Pol. 1° 34.4' to the West, and mark the mer. thus determined by cutting a small groove in the stone already set 5.00 chs. N. of the cor.; this mark falls 0.38 ins. east of the mark determined with the solar.

At 7 h 2 m a.m., l.m.t. I set off 39° 55'N., on the lat. arc; 19° 20'N., on the decl. arc; and mark the mer. determined with

1st Guide Meridian West, through Tps. 7 S., bet. Rs. 4 and 5 W.--Cont

Chs.	
	[illegible] Pol. [illegible] the solar, by a cross on the stone already set 5.00 chs. N. of the cor.; this mark falls 0.44 ins. east of the mer. established by Pol. obsn.
	The solar apparatus by p.m. and a.m. observations defines positions for meridians respectively about 0'20" west and 0'23" east of the mer. established by Pol. obsn; therefore I conclude that the adjustments of the instrument are satisfactory.
	The magnetic bearing of the mer. at 7 h 33 m. a.m., is N. 16° 'W., the angle thus determined, gives the mag. decl. 16° 'E.
	———
	From the cor. of Tps. 6 and 7 S., Rs. 4 and 5 W., heretofore described I run
	South, bet. secs. 1 and 6.
	Over mountainous land; through heavy timber, Desc.
7.00	Bottom of Antelope Canon, 200 ft. below Tp. cor., course N. 30° E.
	Leave timber and enter dense sage brush, bears with canon, asc.
	Difference bet. measurements of 40. 00 chs. by two sets of chainmen is 4 lks.; position of middle point
	By 1st set, 39.98 chs.
	By 2nd set, 40.02 chs.; the mean of which is
40.00	Set a sandstone, 18x8x6 ins., 12 ins. in the ground, for ¼ sec. cor., mkd. ¼ on W. face; and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
58.50	Top of ridge, 900 ft. above canon, bears N. 20° E. and S. 20° W. Desc.
	Difference bet. measurements of 80.00 chs. by two sets of chainmen is 6 lks.; position of middle point

1st Guide Meridian West, through Tps.7 S., bet.Rs.4 and 5 W.-Cont.

Chs.	
	By 1st set, 79.97 chs.
	By 2nd set, 80.03 chs.; the mean of which is
80.00	Set a sandstone, 20x10x5 ins., 15 ins. in the ground, for cor. of secs. 1, 6, 7, and 12, mkd. with 1 notch on N. and 5 notches on S. edges; and raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.
	Land, mountainous.
	Soil, gravelly; 3rd rate.
	Timber, pinon pine and cedar.
	Undergrowth, sage brush.
	Good grass for grazing.
	Mountainous or heavily timbered land, or land covered with dense undergrowth, 80.00 chs.
	South, bet. secs. 7 and 12.
	Over mountainous land; through dense undergrowth.
	Desc.
1.50	Bottom of hollow, 25 ft. below sec. cor., course E.
	Asc.
10.00	Top of ridge, 200 ft. above hollow, bears E. and W.
	Desc.
26.00	Bottom of hollow, 500 ft. below ridge, course N. 80° E.
	Asc.
39.50	Top of ridge, 600 ft. above hollow, bears N. 80° E. and S. 80° W.
	Enter scattering timber, bears with ridge.
	Desc.
	Difference bet. measurements of 40.00 chs. by two sets of chainmen is 8 lks.; position of middle point,
	By 1st set, 39.96 chs.
	By 2nd set, 40.04 chs.; the mean of which is
40.00	Set a sandstone, 10x9x5 ins., 11 ins. in the ground, for

1st Guide Meridian West, through Ranges 4 and 5 W., Tp. 7 S., Cont.

Chs.	
	¼ sec.cor. mkd. ¼ on W. face; from which
	A pinon pine, 12 ins. dia., bears S. 20° E., 75 lks.
	dist. mkd. ¼ S 7 B T.
	A pinon pine, 6 ins. dia., bears W., 10 lks.
	dist. mkd. ¼ S 12 B T.
61.50	Bottom of canon, 1000 ft. below ridge; course N. 20° E.
	Asc.
70.00	Leave timber, bears E. and W.
79.00	Top of ridge, 1000 ft. above canon, bears N. 20° E. and S. 20° W.
	Desc.
	Difference bet. measurements of 80.00 chs., by two sets of chainmen is 12 lks. position of middle point,
	By 1st set, 79.94 chs.
	By 2nd set, 80.06 chs.; the mean of which is
80.00	Set a sandstone, 18x10x7 ins., 12 ins. in the ground, for cor. of secs. 7, 12, 13, and 18, mks. with 2 notches on N. and 4 notches on S. edges; and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
	Land, mountainous.
	Soil, gravelly; 3rd rate.
	Timber, pinon pine, red pine, and cedar.
	Undergrowth, sage and buck brush.
	Good grass for grazing.
	Mountainous land, or land covered with dense undergrowth, 80.00 chs.
	May 17, 1904: At the noon hour the sky is overcast and solar observations are impossible.

	South, bet. secs. 13 and 18.
	Over mountainous land; through dense undergrowth.
	Desc.
14.00	Bottom of hollow, 300 ft. below sec. cor.; course NE.
	Asc.

1st Guide Meridian West, through Tps. 7 S., bet. Rs. 4 and 5 W.-Cont.

Chs.	
30.00	Top of divide ridge bet. Antelope and Argyle Canons, 400 ft. above hollow, bears NE and SW.
	Enter scattering pinon pine and cedar timber, bears NE and SW.
	Desc.
	Difference bet. measurements of 40.00 chs., by two sets of chainmen is 8 lks.; position of middle point,
	By 1st set, 39.96 chs.
	By 2nd set, 40.04 chs.; the mean of which is
40.00	Set a sandstone, 16x10x5 ins., 11 ins. in the ground, for ¼ sec. cor., mkd. ¼ on W. face; and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
	Difference bet. measurements of 56.44 chs., by two sets of chainmen is 14 lks.; position of middle point,
	By 1st set, 56.37 chs.
	By 2nd set, 56.51 chs.; the mean of which is
56.44	Intersect South Boundary of the Uintah Indian Reservation. Set a sandstone, 16x8x7 ins., 11 ins. in the ground, for closing cor. of frac. Tps. 7 S., Rs. 4 and 5 W., mkd. C O U 1 R 7 S on N., 4 W on E., 5 W on W., and P L on S., with 3 grooves on N., 6 grooves on E. and W. faces; and raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.
	From the closing cor. the ½ mile cor. bet. the 46th and 47th mile cors. on the bdy., as established by Deputies A.H. and F.M. Brown, Contract No 264, bears as follows:
	N. 87° 45' E., 3.20 chs., to ½ mile stone, bet. the 46th and 47th mile cors.
	Land, mountainous.
	Soil, gravelly; 3rd rate.
	Timber, pinon pine and cedar.
	Undergrowth, sage and buck brush.
	Good grass for grazing.
	Mountainous land, or land covered with dense undergrowth, 56.44 chs.

Chs.

May 17,1904.

GENERAL DESCRIPTION.

Townships 7 South Ranges 4 and 5 West are high rolling mountains . There is some timber in the townships and they produce an abundance of good grass.

John R Stewart.
U.S.Deputy Surveyor.

May 17,1904.

Volume
#
R0309

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by John R. Stewart and Andy J. Stewart, United States Deputy Surveyors, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the survey of the 1st Guide Meridian W., through Tps. 7 S., bet. Rs. 4 and 5 W., Uintah Special Base and Meridian, Utah. showing the respective capacities in which they acted:

J. Franklin Duffin, Chainman.
Angus M. Woodbury, Chainman.
William T. Dobson, Chainman
Golden Lathams, Chainman
John T. Woodbury Jr., Moundman.
William Burridge, Moundman.
Quimby Stewart, Axman.
George W. Worthen, Axman.
Ashton S. Nebeker, Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted John R. Stewart, United States Deputy Surveyor, in surveying all those parts or portions of the 1st Guide Meridian W., through Tps. 7 S., bet. Rs. 4 and 5 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.

J. Franklin Duffin, Chainman.
William T. Dobson, Chainman.
Angus M. Woodbury, Chainman.
Golden Lathams, Chainman.
John T. Woodbury Jr., Moundman.
William Burridge, Moundman.
Quimby Stewart, Axman.
George W. Worthen, Axman.
Ashton S. Nebeker, Flagman.

Subscribed and sworn to before me this 22nd day of June 1904 ~~189~~

SEAL

John R. Stewart
U. S. Deputy Surveyor

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FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, John R. Stewart, 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 22nd 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 1st Guide Meridian W., through Tps. 7 S., bet. R's. 4 and 5 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.

John R. Stewart
United States Deputy Surveyor.

Subscribed by said John R. Stewart, and sworn to before me this 19th day of August, 1904

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

SEAL

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, October 18, 1904.

The foregoing field notes of the survey of First Guide Meridian West through Township No. 7 South between Ranges No. 4 and 5 West, of the Uintah Special Base and Meridian, Utah.

executed by John R. Stewart and Andy J. Stewart, under ~~his~~ their contract No. 271, 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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BOOK A-309

Y.

FIELD NOTES

OF THE SURVEY OF THE

SUBDIVISION

of

Township No. 7 South, Range No. 4 West.

Of the UINTAH SPECIAL BASE AND *Meridian,*

STATE OF UTAH.

AS SURVEYED BY

John R. Stewart and Andy J. Stewart, *United States Deputy Surveyor,*s

Under ~~his~~ their *Contract No.* 271, *dated* July 22, *1903*

Survey commenced June 2, 6-2-04, *1904*

Survey completed June 5, 6-5-04, *1904*

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14. 27-12

BOOK A-301

NAMES AND DUTIES OF ASSISTANTS.

J. Franklin Duffin,	Chainman.
Angus M. Woodbury,	Chainman.
John T. Woodbury, Jr.,	Moundman.
William Burridge	Moundman.
Quinby Stewart,	Axman.
George W. Worthen,	Axman.
Ashton S. Nebeker,	Flagman.

For preliminary oaths see book "H", T. 5 S. R. 3 W.

BOOK A-309

INDEX DIAGRAM.

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

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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

.....

.....

6—151

Subdivision of T.7 S.,R.4 W.

Survey commenced June 2,1904,and executed with a Young and Sons light mountain transit,No.7382,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,testedon the meridian,at Salt Lake City,found correct,and was approved by the surveyor general for Utah,on August 21,1905.

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

At the cor.of secs.5,6,31,and 32,on N.bdy.of Tp.,latitude 39° 55'01"N.,longitude 110° 24'52"W.,I set off 39° 55'N., on the lat.arc;22° 15'N.,on the decl.arc;and at 4 h 2 m p.m.,l.m.t.,I determine a meridian with the solar,and mark a point thereof on a stone firmly set in the ground 5.00 chs. N. of the cor.

June 2,1904.

June 3,1904:At 2 h43m a.m.l.m.t.,I observe Polaris at Eastern elongation,in accordance with the Manual,and mark a point in the line thus determined,on a peg driven in the ground,west of the point established last night.

At 6 h 35 m a.m.,l.m.t.,I lay off the azimuth of Polaris 1° 34.4'to the west,and mark the meridian thus determined by cutting a small groove in the stone already set 5.00 chs.N.of the cor.;this mark falls.40 ins. east of the mark established by the solar.

At 7 h 3 m a.m.,l.m.t.,I set off39 °55'N.,on the lat.

Chains	
	arc;22°19'N.,on the decl.arc;and mark the meridian determined with the solar,by a cross on the stone already set 5.00 chs.N.of the cor.;this mark falls.0.36 ins.east of the meridian determined by Polaris observation.
	The solar apparatus by p.m.and a .m.observations defines positions for meridians respectively about 0'21"west and 0'19"east of the meridian determined by Polaris observation;therefore I conclude that the adjustments of the instrument are satisfactory.
	The magnetic bearing of the meridian at 7 h 50 m a.m.is N.16°29'W.,the angle thus determined gives the mag. decl.16°29'E.
	From the cor.of secs.5,6,31,and 32,on N.bdy.of Tp., heretofore described.
	I run
	S.0°1'W.,bet.secs.5 and 6.
	Over mountainous land;through scattering undergrowth.
	Ascend .
3.50	Top of ridge,50 ft.above sec.cor.,bears NE and SW.
	Enter heavy timber,bears NE and SW.
	Descend .
40.00	Set a sandstone ,20x6x6 ins.,15 ins.in the ground,for ¼ sec.cor.,marked ¼ on W.face;from which
	A pinon pine,12 ins.diam.,bears E.,26 lks. dist.,marked ¼ S 5 B T.
	A pinon pine,10 ins.diam.,bears W.,19 lks. dist., marked ¼ S 6 B T.
48.00	Bottom of hollow,500 ft.below ridge,course E.
	Ascend .
54.00	Top of spur,100 ft.above hollow,bears E.and W.
	Descend .

Chains	
69.00	Bottom of canon,150 ft.below spur,course N.20° E.
	Ascend .
80.00	Set a limestone,22x12x4 ins.,16 ins.in the ground,for cor.of secs.5,6,7,and 8,marked with 5 notches on S.and 5 notches on E.edges;from which
	A pinon pine,18 ins.diam.,bears N.68° E.,30 lks.dist.,marked T 7 S R 4 W S 5 B T.
	A cedar,8 ins.diam.,bears S.39° E.,80 lks. dist.,marked T 7 S R 4 W S 8 B T.
	A pinon pine,10 ins.diam.,bears S.17° W.,30 lks.dist.,marked T 7 S R 4 W S 7 B T.
	A pinon pine,12 ins.diam.,bears N.48° W.,10 lks.dist.,marked T 7 S R 4 W S 6 B T.
	Land,mountainous .
	Soil,gravelly;3rd rate.
	Timber,cedar and pinon pine and red pine.
	Undergrowth,sage brush.
	Good grass for grazing.
	Mountainous or heavily timbered land,80.00 chs.

	West,on a random line bet.secs.6 and 7 .
40.00	Set temp.¼ sec.cor.
79.76	Intersect First Guide Meridian West,23 lks.N.of the cor. of secs.1,6,7,and 12,heretofore described.
	Thence I run
	N.89° 50' E.,on a true line bet.secs.6 and 7.
	Over mountainous land;through dense sage brush.
	Descend .
30.00	Bottom of swale,200 ft.below sec.cor.,course N.30° E.
	Ascend .
39.88	Set a sandstone,24x10x4 ins.,18 ins.in the ground,for

Chains	
	¼ sec.cor.,marked ¼ on N.face;and raise a mound of stone, 2 ft.base,1½ ft.high,N.of cor.
50.50	Top of ridge,150 ft.above swale,bears N.30° E.and S.30° W.
	Descend through scattering timber.
75.00	Bottom of canon,350 ft.below ridge,course N.10° E.
	Ascend .
76.00	Enter heavy timber,bears N.10° E.and S.10° W.
79.76	The cor. of secs.5,6,7,and 8.
	Land,mountainous.
	Soil,gravelly;3rd rate.
	Timber,cedar and pinon pine.
	Undergrowth,sage brush.
	Good grass for grazing.
	Mountainous or heavily timbered land,or land covered with dense undergrowth,79.76 chs.

S.0° 1'W.,bet.secs.7 and 8.

Over mountainous land;through heavy timber, and scattering undergrowth.

Ascend .

20.00	Leave timber,bears E.and W.
40.00	Set a sandstone,20x12x5 ins.,15 ins.in the ground,for ¼ sec.cor.,marked ¼ on W.face;and raise a mound of stone, 2 ft.base,1½ ft.high,W.of cor.
55.00	Top of ridge,300 ft.above sec.cor.,bears N.60° E.and S. 60° W.
	Enter heavy timber,bears N.60° E.and S.60° W.
	Descend .
80.00	Set a sandstone,18x14x5 ins ,12 ins.in the ground,for cor.of secs.7,8,17,and 18,marked with 4 notches on S. and 5 notches on E.edges;from which
	A pinon pine,8 ins.diam.,bears N.40° E.,30

Chains	
	lks.dist.,marked T 7 S R 4 W S 8 B T.
	A cedar,8 ins.diam.,bears S.32° E.,120 lks.
	dist.,marked T 7 S R 4 W S 17 B T.
	A pinon pine,10 ins.diam.,bears S.30° W.,50
	lks.dist.,marked T 7 S R 4 W S 18 B T.
	A pinon pine,12 ins.diam.,bears N.43° W.,35 lks
	lks.dist.,marked T 7 S R 4 W S 7 B T.
	Land,mountainous.
	Soil,gravelly;3rd rate.
	Timber,cedar and pinon pine.
	Undergrowth,sage brush.
	Good grass for grazing.
	Mountainous or heavily timbered land;80.00 chs.
	June 3,1904:At the noon hour the sky is overcast and
	solar observations are impossible.

	S.89° 50'W. ,on a random line bet.secs.7 and 18.
40.00	Set temp.¼ sec. cor.
79.52	Intersect First Guide Mer.W.,23 lks.N. of cor.of secs.
	7,12,13,and 18,heretofore described.
	Thence I run
	N.89° 40'E.,on a true line bet.secs.7and 18.
	Over mountainous land;through dense undergrowth.
	Descend.
15.00	Bottom of hollow,300 ft.below sec.cor.,course N.50° E.
	Ascend.
20.00	Top of spur,75 ft.above hollow,bears N.and S.
	Descend.
25.00	Bottom of hollow,100 ft.below spur,course N.30° E.
	Ascend.
39.76	Set a sandstone,20x18x4 ins.,15 ins.in the ground,for
	¼ sec.cor.,marked ¼ on N.face;and raise a mound of stone,

Chains	
	2 ft.base,1½ ft.high,N.of cor.
	Note:This cor.is on top of spur,150 ft.above hollow,bears N.and S.
	Descend .
45.00	Bottom of hollow,100 ft.below spur,course N.
	Ascend .
65.00	Top of ridge,300 ft.above hollow,bears N.20° E.and S. 20° W.
	Leave undergrowth and enter heavy timber,bears N.20° E. and S.20° W.
	Descend .
79.52	The cor.of secs.7,8,17,and 18.
	Land,mountainous.
	Soil,gravelly and sandy;3rd rate.
	Timber,cedar and pinon pine.
	Undergrowth,sage brush.
	Good grass for grazing.
	Mountainous or heavily timbered land,or land covered with dense undergrowth,79.52 chs.
	Note:Knowing that this line will intersect the Uintah Indian Reservation Boundary ,I run
	S.0° 1' W.,on a true line bet.secs.17 and 18.
	Over mountainous land;through heavy timber.
	Descend .
6.00	Leave timber, and enter scattering undergrowth,bears E. and W.
11.00	Bottom of hollow,150 ft.below sec.cor.,course E.
	Ascend .
30.00	Top of ridge,200 ft.above hollow,bears E.and W.
	Enter scattering timber,bears E.and W.
	Descend .

Chains	
40.00	Set a limestone,20x10x4 ins.,15 ins.in the ground,for ¼ sec.cor.,marked ¼ on W.face;from which
	A pinon pine,10 ins.diam.,bears N.45°E.,17 lks.dist.,marked ¼ S 17 B.T.
	A pinon pine,6 ins.diam.,bears N.25°W.,30 lks.dist.,marked ¼ S 18 B T.
52.00	Bottom of hollow,100 ft.below ridge,course N.70°E.
	Ascend .
54.00	Top of divide ridge,watershed between the DuChesne River and Nine Mile Creek,20 ft.above hollow,bears S.80°W.and S.80°E.
	Intersect South Boundary of Uintah Indian Reservation.
	Set a limestone,28x14x4 ins.,21 ins.in the ground,for closing cor.of secs.17 and 18,marked C C.UIR with 3 grooves on N.and 5 grooves on E.,and P.L.on S.,faces;.
	From which
	A pinon pine,10 ins.diam.,bears N.70°W.,60 lks.dist.,marked T 7 S.R 4 W S 18 B T.
	A pinon pine,14 ins.diam.,bears N.60°E.,12 lks.dist.,marked T 7 S R 4 W S 17 B T.
	From the closing cor.the ½ mile cor.between the 45th and 46th mile posts on the boundary,as established by Deputies A.H.and F.M.Brown,bears as follows:
	N.87°45'E.,3.90 chs.,to the ½ mile post between the 45th and 46th mile posts.
	Land ,mountainous.
	Soil,sandy and gravelly;3rd rate.
	Timber,cedar and pinon pine.
	Undergrowth,sage brush.
	Good grass for grazing.
	Mountainous or heavily timbered land,54.00 chs.
	June 3,,1904.

Subdivision of T.7 S.,R.4 W.-Continued.

Chains	
	June 4,1904:At 7 h 0 m.a.m.,l.m.t.,I set off 39° 55'N., on the lat.arc;22°27'N.,on the decl.arc;and determine a meridian with the solar,at the cor.of secs.4,5,32,and 33,on N.bdy.of Tp.,heretofore described.
	Thence I run
+	S.0° 2'W.,bet.secs.4 and 5 .
	Over mountainous land;through scattering timber .
	Descend .
5.00	Bottom of canon,50 ft.below sec.cor.,course N.70° E.
	Ascend .
17.00	Top of spur,150 ft.above canon,bears NE and SW.
	Descend .
40.00	Set a sandstone,20x10x4 ins.,15 ins.in the ground,for ¼ sec.cor.,marked ¼ on W.face;from which
	A pinon pine,7 ins.diam.,bears S.70° E.,32 lks.dist.,marked ¼ S 4 B T.
	A pinon pine,12 ins.diam.,bears W.,15 lks. dist.,marked ¼ S 5 B T.
45.00	Bottom of hollow,100 ft.below spur,course N.65° E.
	Ascend .
69.00	Top of ridge,250 ft.above hollow,bears N.60° E.and S. 60° W.
	Descend .
80.00	Set a sandstone,20x10x4 ins.,15 ins.in the ground,for cor.of secs.4,5,8,and 9,marked with 5 notches on S.and 4 notches on E.edges;from which
	A cedar,12 ins.diam.,bears N.65° E.,40 lks. dist.,marked T 7 S R 4 W S 4 B T.
	A pinon pine,6 ins.diam.,bears S.38° E.,45 lks.dist.,marked T 7 S R 4 W S 9 B T.
	A pinon pine,12 ins.diam.,bears S.46° W.,75

Chains	
	lks.dist.,marked T 7 S R 4 W S 8 B T.
	A pinon pine,6 ins.diam.,bears N.56° W.,60
	lks.dist.,marked T 7 S R 4 W S 5 B T.
	Land,mountainous.
	Soil,gravelly loam and rocky;2nd and 4th rate.
	Timber,cedar and pinon pine.
	Good grass for grazing.
	Mountainous land,80.00 chs.
	West ,on a random line bet.secs.5 and 8.
40.00	Set temp.¼ sec.cor.
79.82	Intersect N.and S.line,7 lks.N.of the cor.of secs. 5,6,7,and 8.
	Thence I run
	N.89° 57'E.,on a true line bet.secs.5 and 8.
	Over mountainous land;through heavy timber. Ascend .
33.00	Leave heavy and enter scattering timber,bears N.and S.
39.91	Set a sandstone,18x12x5 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.
45.00	Top of ridge,500 ft.above sec.cor.,bears N.30° E.and S.30° W.
	Enter heavy timber,bears N.30° E.and S.30° W.
	Descend .
79.82	The cor.of secs.4,5,8,and 9.
	Land,mountainous.
	Soil,gravelly loam;2nd rate.
	Timber,cedar and pinon pine.
	Good grass for grazing.
	Mountainous or heavily timbered land,79.82 chs.

Subdivision of T.7 S.,R.4 W.-Continued.

Chains	
	S.0° 2' W.,bet.secs.8 and 9.
	Over mountainous land;through heavy timber. Descend .
7.00	Bottom of canon,250 ft.below cor.,course N.70° E.Ascend .
19.00	Top of ridge,400 ft.above canon,bears NE and SW.Descend .
30.00	Bottom of canon,400 ft.below ridge,course N.50° E. Ascend .
40.00	Set a sandstone,24x9x5 ins.,18 ins.in the ground,for ¼ sec.cor.,marked ¼ on W.face;from which A pinon pine, 7 ins.diam.,bears S.13° E.,20 lks.dist.,marked ¼ S 9 B T. A pinon pine,9 ins.diam.,bears N.20° W.,20 lks.dist.,marked ¼ S 8 B T.
50.00	Top of ridge,400 f t.above hollow,bears N.60° E.and S. 60° W.
	Descend .
73.50	Bottom of hollow,300 ft.below ridge,course N.70° E.
80.00	Top of ridge,160 ft.above hollow,bears N.60° E.and S.60° W.
	Set a sandstone,18x9x7 ins.,12 ins.in the ground,for cor.of secs.8,9,16,and 17,marked with 4 notches on S. and 4 notches on E.edges;from which A pinon pine,8 ins.diam.,bears N.45° E.,16 lks.dist.,marked T 7 S R 4 W S 9 B T. A cedar,24 ins.diam.,bears S.39° E.,19 lks. dist.,marked T.7 S R 4 W S 16 B T. A pinon pine,6 ins.diam.,bears S.43° W.,72 lks.dist.,marked T 7 S R 4 W S 17 B T. A cedar,10 ins.diam.,bears N.46° W.,17 lks.dist.,marked T 7 S R 4 W S 8 B T.
	Land,mountainous.
	Soil,gravelly loam;2nd rate.
	Timber,cedar and pinon pine.
	Good grass for grazing.
	Mountainous or heavily timbered land,80.00 chs.
	June 4,1904:At this cor.I set off 22°28' N.,on the decl.

Chains arc;and at 0 h 2 m p.m.,l.m.t.,I observe the sun on the meridian,the resulting.lat.is 39° 54'N.,which is the proper lat.nearly.

S.89° 57'W.,on a random line bet.secs.8 and 17.

40.00 Set temp.¼ sec.cor.

79.80 Intersect N.and S.line,2 lks.N.of the cor.of secs.7,8, 17,and 18.

Thence I run

N.89° 56'E.,on a true line bet.secs.8 and 17.

Over mountainous land;through heavy timber.

Descend .

22.00 Bottom of canon,250 ft.below sec.cor.,course N.45° E.

Leave timber,bears NE and SW.

Ascend .

39.90 Set a sandstone,20x9x4 ins.,15 ins.in the ground,for ¼ sec.cor.,marked ¼ on N.face;and raise a mound of stone,2 ft.base,1½ ft.high,N.of cor.

60.00 Top of ridge,250 ft.above canon,bears N.and S.

Enter scattering timber,bears N.and S.

Descend .

79.80 The cor.of secs.8,9,16,and 17.

Land,mountainous.

Soil,gravelly loam;2nd rate.

Timber,cedar and pinon pine.

Good grass for grazing.

Mountainous or heavily timbered land,79.80 chs.

Subdivision of T.7 S.,R.4 W.-Continued.

Chains	
	Note:The line bet.secs.16 and 17 will intersect the boundary, of the Reservation,Therefore I run
	S.0° 2'W.,on a true line bet.secs.16 and 17.
	Over mountainous land;through scattering timber. Descend.
4.00	Bottom of canon,100 ft.below cor.,course NE.Asc.
23.00	Top of spur,50 ft.above sec.cor.,bears NE and SW. Descend .
38.50	Bottom of Canon,400 ft.below spur,course N.40°E. Ascend .
40.00	Set a sandstone,18x10x6 ins.,12 ins.in the ground,for ¼ sec.cor.,marked ¼ on W.face;and dig pits,18x18x12 ins.,N.and S.,of stone,3 ft.dist.;and raise a mound of earth,3½ ft.base,1½ ft.high,W.of cor.
50.00	Enter scattering undergrowth,bears N.45°E.and S.45° W.
51.00	Intersect South boundary of Uintah Indian Reservation Set a sandstone,30x10x5 ins.,22 ins.in the ground,for closing cor.of secs.16 and 17,marked C C U I R ,with 3 grooves on N.,4 grooves on E.,and P.L.on S. faces;from which
	A pinon pine,12 ins.diam.,bears N.70° E., 285 lks.dist.,marked T.7 S.,R 4 W S 16 B T.
	A pinon pine,14 ins.diam.,bears N.12°W.,65 lks.dist.,marked T 7 S R 4 W S 17 B T.
	From the closing cor.the ½ mile cor.bet.the 44th and 45th mile cors.on the bdy.,as established by Deputies A.H.and F.M.Brown,bears as follows:
	N.87°45'E.,4.00 chs.to the ½ mile stone bet. the 44th and 45th mile corners.
	Land,mountainous.
	Soil,sandy loam;2nd rate.
	Timber,cedar and pinon pine.
	Undergrowth,sage brush.
	Good grass for grazing.
	Mountainous land,51.00 chs.
	June 4,1904.

Subdivision of T.7 S.,R.4 W-Continued.

Chains	
	June 5,1904:At 7 h 3 m a.m.,l.m.t., I set off 39°55'N., on the lat.arc;22°34'N.,on the decl.arc;and determine a meridian,with the solar,at the cor.of secs.3,4,33,and 34, on N.bdy.of Tp.,heretofore described.
	Thence I run
	S.0°2'W.,bet.secs.3 and 4.
	Over mountainous land;through scattering undergrowth.
	Ascend along rocky side hill.
12.00	Enter heavy timber,bears N.10°E.and S.10°W.
32.00	Top of ridge,250 ft.above sec.cor.,bears E.and W.
	Descend .
36.00	Leave timber,bears E.and W.
40.00	Set a sandstone,20x10x8 ins.,15 ins.in the ground,for ¼ sec.cor.,marked ¼ on W.face;and raise a mound of stone, 2 ft.base,1½ ft.high,W.of cor.
43.00	Bottom of hollow,200 ft.below ridge,course W.
	Enter scattering timber,bears E.and W.
	Ascend .
58.00	Top of spur,175 ft.above hollow,bears E.and W.
	Descend .
63.00	Bottom of hollow,150 ft.below spur,course W.
	Ascend .
78.00	Top of ridge,200 ft.above hollow,bears N.80°W.and S.80° E.
	Enter heavy timber,bears N.80°W.and S.80°E.
	Descend .
80.00	Set a sandstone,22x10x6 ins.,16 ins.in the ground,for cor.of secs.3,4,9,and 10,marked with 5 notches on S.and 3 notches on E.edges;from which
	A pinon pine,16 ins.diam.,bears N.32°E.,80 lks.dist.,marked T 7 S .,R. 4 W S 3 B T.
	A pinon pine,16 ins.diam.,bears S.24°E.,106

Subdivision of T.7 S.,R.4 W.-Continued.

Chains	
	lks.dist.,marked T 7 S R 4 W S 10 B T.
	A pinon pine,12 ins.diam.,bears S.20 °W.,125 lks.dist.,marked T. 7 S R 4 WS 9 B T.
	A pinon pine,30 ins.diam.,bears N.21°W.,50 lks.dist.,marked T 7 S R 4 W S 4 B T.
	Land,mountainous .
	Soil,gravelly and rocky;3rdand 4th rate.
	Timber,cedar and pinon pine.
	Undergrowth,sagebrush.
	Good grass for grazing.
	Mountainous or heavily timberedland,80.00 chs.
	West ,on a random line bet.secs.4 and 9.
40.00	Set temp.¼ sec.cor.
80.00	Intersect N.and S.line, 7 lks.N.of the cor.of secs. 4,5,8,and 9.
	Thence I run
	N.89° 57'E.,on a true line bet.secs.4 and 9.
	Over mountainous land;through heavy timber.
	Descend .
40.00	Set a sandstone,18x10x4 ins.,12 ins.in the ground,for ¼ sec.cor.,marked ¼ on N.face;from which
	A pinon pine,12 ins.diam.,bears N.4°W.,158 lks.dist.,marked ¼ S 4 B T.
	A pinon pine,12 ins.diam.,bears S.12°W.,60 lks.dist.,marked ¼ S 9 B T.
48.00	Bottom of hollow,350 ft.below sec.cor.,course N.20°E.
	Ascend .
56.00	Top of ridge,200 ft.above hollow,bears NE and SW.
	Descend .
67.00	Bottom of canon,250 ft.below ridge,course N.
	Ascend .

Subdivision of T.7 S.,R.4 W.-Continued.

Chains	
80.00	The cor.of secs.3,4,9,and 10.
	Land,mountainous.
	Soil,gravelly;3rd.rate.
	Timber,cedar and pinon pine.
	Good grass for grazing.
	Mountainous or heavily timbered land,80.00 chs.
	Note:The line bet.secs.3 and 10 will intersect the Reservation Boundary,therefore I run
	East,on a true line bet.secs.3 and 10.
	Over mountainous land,through heavy timber.
	Ascend .
8.00	Top of ridge,100 ft.above sec.cor.,bears N.80° W.and S. 80° E.
	Leave heavy and enter scattering timber,bears N.80° W. and S.80° E.
	Continue ascent along side of ridge.
40.00	Set a sandstone,20x14x4 ins.,15 ins.in the ground,for ¼ sec.cor.,marked ¼ on N.face;from which
	A pinon pine,8 ins.diam.,bears N.2° W.,100 lks.dist.,marked ¼ S 3 B T.
	A pinon pine,14 ins.diam.,bears S.,29 lks. dist.,marked ¼ S 10 B T.
42.00	Top of divide ridge(Watershed between DuChesne River and Green River,800 ft.above ridge,bears N.and S.
	Enter heavy timber,bears N.and S.
	Descend .
45.98	Intersect South Boundary of the Uintah Indian Reservation.
	Set a sandstone,20x12x6 ins.,15 ins.in the ground,for

Subdivision of T.7 S.,R.4 W.-Continued.

Chains	
	closing cor.of secs.3 and 10,marked C C U I R ,with 5 grooves on W.,1 groove on N.,and P.L.on E.faces;from which
	A pinon pine,10 ins.diam.,bears N.29° W.,120 lks.dist.,marked T 7 S R 4 W S 3 B T.
	A cedar,13 ins.diam.,bears S.9°W.,26 lks. dist.,marked T 7 S R 4 W S 10 B T.
	From the closing cor.the 42nd mile corner on the boundary as established by Deputies A.H.and F.M.Brown,bears as follows:
	N.10° 30'W.,2.70 chs. to mile post No.42
	Land,mountainous.
	Soil,gravelly;3rd rate.
	Timber,cedar and pinon pine.
	Good grass for grazing.
	Mountainous or heavily timbered land,45.98 chs.
	June 5,1904:At the noon hour the sky is overcast and solar observations are impossible.

	From the cor.of secs.3,4,9,and 10,
	I run
	S.0° 2'W.,bet.secs.9 and 10.
	Over mountainous land;through heavy timber.
	Descend .
20.00	Bottom of hollow,100 ft.below sec.cor.,course N.60° W.
	Ascend .
40.00	Set a limestone,18x12x4 ins.,12 ins.in the ground,for ¼ sec.cor.,marked ¼ on W.face;from which
	A pinon pine,16 ins.diam.,bears S.54° E.,21 lks.dist.,marked ¼ S 10 B T.
	A pinon pine,10 ins.diam.,bears S.68° W.,42 lks.dist.,marked ¼ S 9 B T.

Chains	
70.00	Top of ridge,200 ft.above hollow,bears E.and W.
	Descend .
73.00	Leave heavy and enter scattering timber,bears E.and W.
80.00	Set a sandstone,18x10x5 ins.,12 ins.in the ground,for cor.of secs.9,10,15,and 16,marked with 4 notches on S. and 3 notches on E.edges;and raise a mound of stone, 2 ft.base,1½ ft.high,W.of cor.
	Land,mountainous.
	Soil,gravelly and sandy ;3rd rate.
	Timber,cedar and pinon pine.
	Good grass for grazing.
	Mountainous or heavily timbered land,80.00 chs.

	S.89°57'W.,on a random line bet.secs.9 and 16.
40.00	Set temp.¼ sec.cor.
79.90	Intersect N.and S.line 23 lks.N.of the cor.of secs. 8,9,16,and 17.
	Thence I run
	N.89°47'E.,on a true line bet.secs.9 and 16.
	Over mountainous land;through scattering timber.
	Descend .
4.00	Bottom of canon,200 ft.below sec.cor.,course N.E.
	Ascend .
20.00	Top of ridge,250 ft.above canon,bears NE.and SW.
	Descend .
39.95	Set a sandstone,18x9x6 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.
46.00	Bottom of hollow,150 ft.below ridge,course N.45°W.
	Ascend .
79.90	The cor.of secs.9,10,15,and 16.

Subdivision of T.7 S.,R.4 W.-Continued.

Chains	
	Land,mountainous.
	Soil,gravelly;3rd rate.
	Timber,cedar and pinon pine.
	Good grass for grazing.
	Mountainous land,79.90 chs.

The line bet.secs.10 and 15 will intersect the Reservation Boundary therefore I run

East,on a true line bet.secs.10 and 15.

Over mountainous land;through scattering timber.

Ascend

13.17 Intersect South Boundary of the Uintah Indian Reservation.

Set a sandstone,20x10x4 ins.,15 ins.in the ground,for closing cor.of secs.10 and 15,marked C.C U I R.,with 4 grooves on W.,2 grooves on N.,and P.L.on.E.faces;and raise a mound of stone,2 ft.base,1½ ft.high,W.of cor.

From the closing cor.the 43rd mile cor.on the boundary, as established by Deputies A.H.and F.M.Brown,bears as follows:

N.28° 30'E.,11.60 chs. to the 43rd mile post.

Land,mountainous.

Soil,gravelly;3rd rate.

Timber,cedar and pinon pine.

Good grass for grazing.

Mountainous land,13.17 chs.

Note:The line bet.secs.15 and 16,will intersect the Reservation boundary therefore I run ,

S.0° 2'W ,on a true line bet.secs.15 and 16.

Over mountainous land;through scattering timber.

Chains	
	Descend .
5.00	Bottom of hollow,100 ft.below sec.cor.,course N.70°W.
	Ascend .
24.17	Intersect South Boundary of the Uintah Indian Reservation,
	Set a sandstone,18x7x4 ins.,12 ins.in the ground,for closing.cor.of secs.15 and 16,marked C C U I R ,with 2 grooves on N.,3 grooves on E.and P.L.on S.faces;from which
	A pinon pine,10 ins.diam.,bears N.20°E.,60 lks.dist.,marked T 7 S R 4 W S 15 B T.
	A pinon pine,12 ins.diam.,bears N.52°W.,48 lks.dist.,marked T 7 S R 4 W S 16 B T.
	From the closing cor.the ½ mile post bet.the 43rd and 44th mile corners,on the boundary as established by Deputies A.H.and F.M.Brown,bears as follows:
	S.28°30'W.,0.90 chs.to the ½ mile post bet. the 43rd and 44th mile posts.
	Land,mountainous.
	Soil,gravelly;3rd rate.
	Timber,cedar and pinon pine.
	Good grass for grazing.
	Mountainous land,24.17 chs.

June 5,1904.

Subdivision of T.7 S.,R.4 W.-Continued.

Latitudes,detartures,and closing errors.

Line designated	True bearing	Distance	Latitudes N.	Latitudes S.	Departures E.	Departures W.
		chs.	chs.	chs.	chs.	chs.
W.bdy.T.7 S.,R.4 W.	North	216.44	216.44			
N.bdy.T.7 S.,R.4 W.	East	311.20			311.20	
Uintah Indian Res.bdy.	S.35° 30'W.	54.20		44.13		31.47
Uintah Indian Res.bdy.	S.10° 30'E.	51.00		50.15	9.29	
Uintah Indian Res.bdy.	S.28° 30'W.	102.40		89.99		48.86
Uintah Indian Res.bdy.	S.70° 45'W.	80.00		26.38		75.53
Uintah Indian Res.bdy.	S.87° 45'W.	163.20		6.40		163.07
Convergency					.15	
Totals			216.44	217.05	320.64	318.93
				216.44		
Error in lat.				.61		
					318.93	
Error in dep.					1.71	

GENERAL DESCRIPTION.

This township is high rolling mountains.The soil is generally sandy and gravelly loam;2nd rate.

The township is well watered for grazing purposes and produces an abundant growth of rich and nutritious grasses; and is very well adapted for grazing .

There is some scattering cedar and pinon pine timber in the northern part of the township.

There are no settlers in the township.

There is no mineral in the twonship.

John R. Bodewart.
U.S.Deputy Surveyor.

June 5,1904.

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, a

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

.....

showing the respective capacities in which they acted:

....., *Chainma*

....., *Chainma*

....., *Moundma*

For final affidavits see book "Z", T.5 S., R.6 W. ..... *Moundma*

....., *Axman.*

....., *Axman.*

....., *Flagman.*

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted .....

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

those parts or portions of the .....

.....

.....

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

..... meridian, ... of ....., which are represent

in the foregoing field notes as having been surveyed by him and under his direction; and that said surv

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

corner monuments established, according to the instructions furnished by the United States Survey

General for .....

....., *Chainman*

....., *Chainman*

....., *Moundman*

For final affidavits see book "Z", T.5 S., R.6 W. ..... *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 affidavits see book "Z[1], T.5 S., R.6 W.

..... of the ..... meridian, in the ..... of ....., which are represented in the foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for ..... and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey; 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 October 18, 1904.

The foregoing field notes of the survey of .....
The Subdivision of T.7 South, R.4 West, of the Uintah Special Base and Meridian, Utah,

executed by John R. Stewart and Andy J. Stewart, their under ~~his~~ contract No. 271, 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 H. Anderson
United States Surveyor General.

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

.....
United States Surveyor General.

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4—679.

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BOOK A-309

Z.

FIELD NOTES

OF THE SURVEY OF THE

WEST BOUNDARY

of

Township No.5 South, Range No.6 West

Of the UINTAH SPECIAL BASE AND *Meridian,*

STATE OF UTAH

AS SURVEYED BY

[illegible] Stewart and Andy J. Stewart, *United States Deputy Survey*

Under their *Contract No.* 271, *dated* July 22, 1903., *18*

Survey commenced May 23, 1904., *18*

Survey completed May 24, 1904., *18*

Height 5.78.98
[illegible] 14.35

NAMES AND DUTIES OF ASSISTANTS.

J. Franklin Duffin	Chainman
Angus M. Woodbury	Chainman
John T. Woodbury Jr.	Moundman
William Bussidge	Moundman
Quimby Stewart	Axman
George H. Horton	Axman
Ashton S. Nebeker	Flagman

For preliminary affidavits see book "M" T. 5 S., R. 3 W.

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BOOK A-309

INDEX DIAGRAM.

Township 5 South, *Range* 6 West.

8	6	5	4	3	2	1
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4	19	20	21	22	23	24
3	30	29	28	27	26	25
2	31	32	33	34	35	36

Meanders Page

6—151

PRELIMINARY OATHS OF ASSISTANTS.

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

..... *Chainman.*

..... *Chainman.*

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

SEAL

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

..... *Moundman.*

..... *Moundman.*

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

SEAL

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

..... *Axman.*

..... *Axman.*

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

SEAL

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

..... *Flagman.*

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

SEAL

6—151

West boundary of T.5 S., R.6 W.-

chs.. Survey commenced May 23,1904,and executed with a Young and Sons light mountain transit No.7362,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 mer.at Salt Lake City,found correct,and was approved by the surveyor general for Utah,on August 21,1903.

I examine the adjustments of the instrument and correct the level andcollimation errors;then to test the solar apparatus by comparing its indications resulting from solar observations made during p.m.and a.m. hours with a mer.established by obsn.on Pol.I proceed as follows:

At the cor.of Tps.5 and 6 S.,Rs.6 and 7 W.,latitude 40° 00'15"N.,longitude 110° 39'31"W.,I set off 40° 00'N.,on the lat.arc;20° 40'N.,on the decl.arc;and at 5 h 2 m p.m. l.m.t.,I determine a mer.with the solar,and mark a point thereof on a stone set firmly in the ground,5.00 chs. N.of the cor.

May 23,1904.

May 24,1904:At 3 h 18 m a.m.,l.m.t.,I obs.Pol.at eastern elongation,in accordance with the Manual,and mark a point in the line thus determined by a peg driven in the ground,5.00 chs.N.of the cor.

At 6 h 30 m a.m.,l.m.t.,I lay off the azimuth of Pol.1° 34.4' to the west,and mark the mer.thus determined,by cutting a small groove on the stone already set 5.00 chs. N.of the cor.;this mark falls 4 ins.east of the mark determined with the solar.

West boundary of T.5 S.,R.6 W.-Continued.

Chs.	
	At 7 h 3 m a.m.,l.m.t.,I set off 40°00'N.,on the lat.arc;20° 47'N.,on the decl.arc;and mark the mer .determined with the solar,by a cross on the stone already set 5.00 chs. N.of the cor.;this mark falls 0.4 ins.east of the mer. established by Sol.obsn.
	The solar apparatus by p.m.and a.m.observations defines positions for meridians respectively about0'21"west and 0'21"east of the mer.established by Sol.obsn.;therefore I conclude that the adjustments of the instrument are satisfactory.
	The magnetic bearing of the mer.at 7 h 30 m a.m.,is N.16° 36'W.,the angle thus determined,gives the mag.decl. 16°36'E.
	From the cor.of Tps.5 and 6 S.,Rs.6 and 7 W.,heretofore described.
	I run
	North,bet.secs.31 and 36.
	Over mountainous land;through heavy timber.
	Desc.
5.00	Bottom of hollow,100 ft.below Tp.,cor.,course S.30°E.
	Asc.
40.00	Set a sandstone,16x8x6 ins.,11 ins.in the ground,for ¼ sec.cor..mkd.¼ on W.face;from which
	A balsam,10 ins.dia.,bears S.10°E.,21 lks. dist..mkd. ¼ S 31 B T.
	A balsam,8 ins.dia.,bears N.85°W.,24 lks. dist..mkd.¼ S 36 B T.
50.00	Top of divide ridge bet.left hand fork of Indian Canon a and Indian Canon,500 ft.above hollow,bears NE and SW.
	Desc.
80.00	Point 500 ft.below ridge.
	Set a limestone,20x12x3 ins.,15 ins.in the ground,for

West boundary of T.5 S., R.6 W.-Continued.

Chs.	
	cor.of secs.25,30,31,and 36,mkd.with 5 notches on N.and 1 notch on S.edges;from which
	A pinpn pine,18 ins.dia.,bears N.25° E.,75 lks. dist..mkd.T 5 S R 6 W S 30 B T.
	A pinon pine,5 ins.dia.,bears S.75° E.,60 lks. dist..mkd.T 5 S R 6 W S 31 B T.
	A pinon pine,10 ins.dia.,bears S.85° W.,45 lks. dist..mkd.T 5 S R 7 W S 36 B T.
	A pinon pine,10 ins.dia.,bears N.50° W.,35 lks.dist..mkd.T 5 S R 7 W S 25 B T.
	Land,mountainous.
	Soil,gravelly;3rd rate.
	Timber,pinon pine,cedar,red pine,and balsam.
	Good grass for grazing.
	Mountainous or heavily timbered land,80.00 chs.

	North,bet.secs.25 and 30.
	Over mountainous land;through scattering timber.
	Desc.
40.00	Set a limestone,18x8x4 ins.,12 ins.in the ground,for ¼ sec.cor..mkd.¼ on W.face;from which
	A pinon pine,4 ins.dia.,bears N.50° E.,30 lks. dist..mkd.¼ S 30 B T.
	A pinon pine,10 ins.dia.,bears N.75° W.,275 lks. dist..mkd.¼ S 25 B T.
50.00	Leave timber,bears E.and W.
57.25	Foot of descent,1000 ft.below sec.cor.,bears N.60° E.and S.60° W.
	Enter dense undergrowth,bears N.60° E.and S.60° W.
	Enter bottom of Indian Canon.
58.60	Creek,4 lks.wide,2 ins.deep,sandy bottom,course N.60° E.
66.96	Colton-Vernal road,bears N.60° E.and S.60° W.
73.00	Leave canon bottom,bears N.60° E.and S.60° W.

Chs.	
	Asc.
73.50	Leave undergrowth, bears N.60° E. and S.60° W.
	Enter ledges, bears N.60° E. and S.60° W.
76.00	Enter scattering timber, bears E. and W.
80.00	Point 500 ft. above canon.
	Set a limestone, 18x9x5 ins., 12 ins. in the ground, for cor. of secs. 19, 24, 25, and 30, mkd. with 4 notches on N. and 2 notches on S. edges; from which
	A pinon pine, 10 ins. dia., bears N.20° E., 60 lks. dist., mkd. T 5 S R 6 W S 19 B T.
	A pinon pine, 10 ins. dia., bears S.70° E., 45 lks. dist., mkd. T 5 S R 6 W S 30 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, pine and cedar.
	Undergrowth, sage brush.
	Good grass for grazing.
	Mountainous land or land covered with dense undergrowth.
	80.00 chs.

	North bet. secs. 19 and 24.
	Over mountainous land; through scattering timber and scattering undergrowth.
	Ascend.
10.00	Top of ridge, 200 ft. above sec. cor., bears NW. and SE.
	Desc.
27.00	Bottom of hollow, 300 ft. below ridge, course SE.
	Asc.
36.00	Top of divide ridge bet. Indian and Lake Canons, 800 ft. above hollow, bears N.60° E. and S.60° W.
	Desc.

Chs.	
39.60	Leave timber,bears NE and SW.
40.00	Set a sandstone,14x10x5 ins., 9 ins.in the ground,for ¼ sec.cor..mkd.¼ on W.face;from which
	A red pine,10 ins.dia.,bears S.41° E.,47 lks. dist..mkd.¼ S 19 B T.
	A red pine,4 ins.dia.,bears N.82° W.,130 lks dist..mkd.¼ S 24 B T.
44.00	Bottom of swale,150 ft.below ridge,course N.80° W. Asc.
50.00	Top of spur,100 ft.above swale,bears E.and W. Desc.
69.00	Bottom of hollow,150 ft.below spur,course W. Asc.
73.00	Top of spur,100 ft.above hollow,bears E.and W. Desc
80.00	Set a sandstone,16x8x5 ins.,11 ins.in the ground,for cor.of secs.13,18,19,and 24.mkd.with 3 notches on N.,and S.edges;from which
	A red pine,8 ins.dia.,bears N.34° E.,130 lks. dist..mkd.T 5 S R 6 W S 18 B T.
	A red pine,6 ins.dia. bears N.70° W.,60 lks. dist..mkd.T 5 S R 7 W S 13 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,pine and aspen and cedar.
	Undergrowth,sage brush.
	Good grass for grazing.
	Mountainous land,80.00 chs.
	May 24,1904:At the noon hour the sky is overcast and solar observations are impossible.

chs.

North,bet.secs.13 and 18.

Over mountainous land;through scattering timber.

Desc.

15.00 Bottom of Canon,150 ft.below sec.cor.,course NE.

Asc.

40.00 Set a sandstone,16x14x3 ins.,11 ins in the ground,for ¼ sec.cor..mkd.¼ on N.face;from which

A pinon pine,6 ins.dia.,bears N.75°E.,110 lks. dist..mkd.¼ S 18 B T.

A pinon pine,4 ins.dia.,bears N.70°W.,45 lks. dist..mkd.¼ S 13 B T.

45.00 Top of ridge,800 ft.above canon,bears NE and SW.

Desc.

80.00 Set a sandstone,16x10x4 ins.,11 ins.in the ground,for cor.of secs.7,12,13,and 18,mkd.with 2 notches on N.and 4 notches on S.edges;from which

A pinon pine,4 ins.dia.,bears N.15°E.,175 lks. dist..mkd.T 5 S R 6 W S 7 B T.

A cedar,8 ins.dia.,bears S.78°E.,45 lks. dist..mkd.T 5 S R 6 W S 18 B T.

A cedar,10 ins.dia.,bears S.45°W.,105 lks. dist..mkd.T 5 S R 7 W S 13 B T.

A pinon pine,7 ins.dia.,bears N.55°W.,148 lks.dist..mkd.T 5 S R 7 W S 12 B T.

Land,mountainous.

Soil,gravelly and white clay;3rd rate.

Timber,pine and cedar.

Good grass for grazing.

Mountainous land,60.00 chs.

North,bet.secs.7 and 12.

Over mountainous land;through scattering timber.

Desc.

Chs.	
.75	Bottom of hollow,25 ft.below sec.cor.,course N.30° E.
	Asc.
22.00	Top of ridge,300 ft.above hollow,bears NE and SW.
	Desc.
35.00	Bottom of hollow,300 ft.below ridge,course NE.
	Asc.
39.00	Top of ridge,200 ft.above hollow,bears N.30° E.and S.30° W.
	Desc.
40.00	Set a sandstone,15x14x4 ins.,10 ins.in the ground,for ¼ sec.cor..mkd.¼ on W.face;from which
	A pinon pine,8 ins.dia.,bears N.22° E.,5 lks. dist..mkd.¼ 3.7 B T.
	A red pine,8 ins.dia.,bears S.57° W.,30 lks. dist..mkd.¼ 3 12 B T.
62.00	Foot of descent,500 ft.below ridge,bears N.70° E.and S.70° W.
	Enter bottom of Lake Canon.
	Leave timber and enter dense undergrowth ,bears N.70° E. and S.70° W.
68.00	Wash,10 lks.wide,2 ft.deep,course N.70° E.
76.50	Leave canon bottom,bears N.70° E.and S.70° W.
	Asc.over ledges.
80.00	Top of spur,150 ft.above canon;bears N.80° W.and S.80° E.
	Set a limestone,18x8x5 ins.,12 ins.in the ground,for cor.of secs.1,6,7,and 12,mkd.with 1 notch on N.and 5 notches on S.edges;from which
	A pinon pine,8 ins.dia.,bears N.30° E.,52 lks. dist..mkd.T 5 S R 6 W S 6 B T.
	A pinon pine 5 ins.dia.,bears N.45° W.,75 lks. dist..mkd.T 5 S R 7 W S 1 B T.
	No other trees within limits;raise a mound of stone, 2 ft.base,1½ ft.high,W.of cor.
	Land,mountainous.

West boundary of T.5 S.,R.6 W.-Continued.

Chs.	
	Soil,gravelly and rocky;3rd and 4th rate.
	Timber,pine and cedar.
	Undergrowth,sage brush.
	Good grass for grazing.
	Mountainous land,or land covered with dense undergrowth,
	80.00 chs.
	North,bet.secs.1 and 6.
	Over mountainous land;through scattering timber.
	Desc.
4.00	Bottom of hollow,100 ft.below sec.cor.,course SE.
	Asc.abruptly over ledges.
30.00	Top of ridge,800 ft.above hollow,bears E.and W.
	Leave ledges,bears E.and W.
	Desc.
34.00	Bottom of hollow,100 ft.below ridge ,course E.
	Asc.
40.00	Set a sandstone,15x8x6 ins.,10 ins.in the ground,for
	¼ sec.cor..mkd.¼ on W.face;from which
	A pinon pine,6 ins.dia.,bears S.20° E.,55 lks.
	dist..mkd.¼ 5 6 B T.
	A cedar,24 ins.dia.,bears N.10° W.,75 lks.
	dist..,mkd.¼ 5 1 B T.
56.00	Top of divide ridge bet.Lake and Dry Canon,300 ft.above
	hollow,bears N.60° E.and S.30° W.
	Desc.
78.98	Intersect 1st Standard Parallel South,14.35 chs.east of
	the standard cor.of Tps.4 S.,Rs.6 and 7 W.,which is a
	sandstone, 3.12x5 ins.,above ground,firmly set,and mkd.
	and witnessed as described by Deputies Stewart and Booth.
	Set a sandstone,15x8x4 ins.,10 ins.in the ground,for
	closing cor.of Tps.5 S.,Rs.6 and 7 W.,mkd.C C 5 S on S.,
	6 W on E.,and 7 W on W.faces;with 6 grooves on E.,W.,and

West boundary of T.5 S.R.6 W.-Concluded.

Chs. S.faces;from which

A pine,6 ins.dia.,bears S.36° E.,98 lks.

dist..mkd.T 5 S R 6 W S 6 B T.

A pinon pine,9 ins.dia.,bears S.70° W.,228 lks.

dist..mkd.T 5 S R 7 W S 1 B T.

Land,mountainous.

Soil,gravelly;3rd rate.

Timber,pine and cedar.

Good grass for grazing.

Mountainous land,78.98 chs.

May 24,1904.

&

Boundaries of T.5 S.R.6 W.

Latitudes,departures,and closing errors.

Line designated.	True bearing	dist-ance	Latitudes		departures	
			N.	S.	E.	W.
		chs.	chs.	chs.	chs.	chs.
W.bdy.T.5 S.,R.6 W.	North	478.98	478.98			
1st Standard Par.S.	East	479.55			479.55	
E.bdy.T.5 S.,R.6 W.	South	479.28		479.28		
S.bdy.T.5 S.R.6 W.	N.89° 59' W.	479.00	.14			479.00
Convergency					.61	
Totals			479.12	479.28	480.16	479.00
				479.12	479.00	
Error in lat.				.16	1.16	

GENERAL DESCRIPTION.

This township is all high and rough mountains.Well timbered land well watered .It should be subdivided.

May 24,1904.

John R Stewart.
U.S.Deputy Surveyor.

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BOOK A-309

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by John R. Stewart and Andy J. Stewart, United States Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the survey of the S. bdy. T. 5 S., R. 3 W.; N. and W. bdrs. T. 7 S., R. 6 W.; and W. bdy. T. 5 S., R. 6 W., of the Uintah Special Base and Meridian, Utah showing the respective capacities in which they acted:

J. Franklin Duffin, *Chainman.*
Angus M. Woodbury, *Chainman.*
John T. Woodbury Jr., *Moundman.*
William Burridge, *Moundman.*
Dumby Stewart, *Axman.*
George W. Worthen, *Axman.*
Ashton S. Nebeker, *Flagman.*

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted John R. Stewart, United States Deputy Surveyor, in surveying all those parts or portions of the S. bdy. T. 5 S., R. 3 W.; N. and W. bdrs. T. 7 S., R. 6 W.; and W. bdy. T. 5 S., R. 6 W., of the Uintah Special Base and ~~of the~~ 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.

J. Franklin Duffin, *Chainman.*
Angus M. Woodbury, *Chainman.*
John T. Woodbury Jr., *Moundman.*
William Burridge, *Moundman.*
Dumby Stewart, *Axman.*
George W. Worthen, *Axman.*
Ashton S. Nebeker, *Flagman.*

Subscribed and sworn to before me this 22nd day of June 1904 ~~189~~

SEAL

John R. Stewart
U. S. Deputy Surveyor

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BOOK A-309

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, John R. Stewart, 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 22nd 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 S. bdy. T. 5 S., R. 3 W.; N. and W. bdries. T. 7 S., R. 6 W.; and W. bdy. T. 5 S., R. 6 W., of the Uintah Special Base and

~~of the~~

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.

John R. Stewart
United States Deputy Surveyor.

Subscribed by said John R. Stewart, and sworn to before me this 8th day of August, 1904

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

SEAL

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, October 18, ~~1894~~ 1904.

The foregoing field notes of the survey of West Boundary of Tp. No. 5 S., R. No. 6 West, of the Uintah Special Base and Meridian, Utah.

executed by John R. Stewart and Andy J. Stewart, under ~~his~~ their contract No. 271, 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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4—679.

BOOK A-309

FIELD NOTES

OF THE SURVEY OF THE

SUBDIVISION

of

Township No. 5 South, Range No. 6 West

Of the UINTA SPECIAL BASE AND *Meridian,*

STATE OF UTAH

AS SURVEYED BY

John R. Stewart and Andy J. Stewart, *United States Deputy Surveyors*

Under their Contract No. 271, *dated* July 22, 1903, *189*

Survey commenced June 5, 1904, *189*

Survey completed June 22, 1904, *189*

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FILED Aug. 8, 190

BOOK A-309

NAMES AND DUTIES OF ASSISTANTS.

J. Franklin Duffin	Chainman
Angus M. Woodbury	Chainman
John T. Woodbury Jr.	Moundman
William Burridge	Moundman
Irinby Stewart	Axman
George H. Worthen	Axman
Ashton S. Nebeker	Flagman

For preliminary affidavits see book N. I. 5S. R. 3W.

BOOK A-309

INDEX DIAGRAM.

Township 5 South, *Range* 6 West.

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30 57 56	29 43 55	28 30 42	27 17 29	26 4 16	25 3
31 53	32 41	33 28	34 15	35 2	36

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PRELIMINARY OATHS OF ASSISTANTS.

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

.....

....., *Chainman.*

....., *Chainman.*

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

SEAL

.....

.....

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

.....

....., *Moundman.*

....., *Moundman.*

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

SEAL

.....

.....

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

.....

....., *Axman.*

....., *Axman.*

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

SEAL

.....

.....

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

....., *Flagman.*

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

SEAL

.....

.....

Subdivision of T.5 S.,R.6 W.

Chains	
	Surveycommenced June 9,1904,and executed with a.Young and Sons light mountain transit No.7382,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 meridian at Salt Lake City,found correct and was approved by the surveyor general, for Utah,on August 21,1903.
	I examine the adjustments of the instrument,and correct the level and collimation errors;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 established by Polaris observation,I proceed as follows:
	At the cor.of secs.1,2,35,and 36,on S.bdy.of Tp.,latitude 40° 00'15"N.,longitude 110° 33'53"W.,I set off 40° 00'N., on the lat.arc;22° 59'N.,on the decl.arc;and at 4 h 2 m p.m.,l.m.t.,I determine a meridian,with the solar,and mark a point thereof on a stone set firmly in the ground, 5.00 chs.N.of the cor.
	June 9,1904.
	June 10,1904:At 2 h 15 m a.m.,l.m.t.,I observe Polaris at eastern elongation,in accordance with the Manual, and mark a point in the line thus determined,by a peg driven in the ground,5.00 chs.N.of the cor.
	At 6 h 30 m a.m.,l.m.t,I lay off the azimuth of Polaris 1° 34.4' to the west,and mark the meridian thus determined ,by cutting a small groove in the stone already set 5.00 chs.N.of the cor.;this mark falls 0.26 ins.east of the mark determined with the solar.
	At 7 h 2 m a.m.,l.m.t.,I set off 40° 00'N.,on the lat.arc;

Subdivision of T.5 S.,R.6 W.-Continued.

Chains	23° 02'N,on the decl.arc;and mark the meridian determined with the solar,by a cross on the stone,already set.5.00 chs.N.of the cor.;this mark falls 0.31 ins.east of the mark determined by Polaris observation. The solar apparatus by p,m.and a.m.observations defines positions for meridians respectively about 0'14"west and 0'16"east of the meridian established by Polaris observation;therefore I conclude that the adjustments of the instrument are satisfactory. The magnetic bearing of the meridian at 7 h 40 m a.m., is N.16° 34'W.,the angle thus determined gives the mag. decl. 16° 34'E.
	——— — —
	From the cor.of secs.1,2,35,and 36,on S.bdy.of Tp.,heretofore described. I run N.0° 1'W.,bet.secs.35 and 36. Over mountainous land ;through scattering timber. Ascend.
40.00	Set a sandstone,18x10x4 ins.,12 ins.in the ground,for ¼ sec.cor.,marked ¼ on W.face;from which A Pinon pine,5 ins.diam.,bears N.65°E.,75 lks.dist.,marked ¼ S 36 B T. A pinon pine,4 ins.diam.,bears S.50°W.,47 lks.dist.,marked ¼ S 35 B T.
43.00	Top of ridge,100 ft.above sec.cor.,beans N.50°E.and S.50°W..
	Enter heavy timber,bears N.50°E.and S.50°W.
	Descend .
72.00	Leave timber,bears N.45°E.and S.45°W.
76.50	Bottom of Cottonwood Canon,400 ft.below spur,course N.60°E.

Subdivision of T.5 S.,R.6 W.-Continued.

Chains	
	Ascend .
80.00	Set a sandstone,18x12x4 ins.,12 ins.in the ground, for cor.of secs.25,26,35,and 36,marked with 1 notch,on S., and E.edges;and raise a mound of stone,2 ft.base,1½ ft. high,W.of cor.
	Land,mountainous .
	Soil,sandy loam and gravelly;2nd and 3rd rate.
	Timber,cedar,pinon pine,and red pine.
	Good grass for grazing.
	Mountainous land,80.00 chs.
	S.89° 59'E.,on a random line bet.secs. 25 and 36.
40.00	Set temp.¼ sec.cor.
80.08	Intersect E.bdy.of Tp.,12 lks.S.of the cor.of secs. 25,30,31,and 36,heretofore described.
	Thence I run
	S.89° 56'W.,on a true line bet.secs.25 and 36.
	Over mountainous land;through heavy timber.
	Descend .
8.00	Bottom of branch of Sower's Canon,300 ft.below sec.cor., course NE.
	Ascend .
32.00	Top of ridge,450 ft.above canon,bears NE and SW.
	Descend .
40.04	Set a sandstone,18x10x5 ins.,12 ins.in the ground,for ¼ sec.cor.,marked ¼ on N.face;from which
	A cedar,8 ins.diam.,bears N.15°W.,150 lks. dist. marked ¼ S 25 B T.
	A pinon pine,10 ins.diam.,bears S.35°E.,45 lks.dist.,marked ¼ S 36 B T.
75.00	Bottom of Cottonwood Canon,500 ft.below ridge,course N.60°E.
	Ascend .

Subdivision of T.5 S.,R.6 W.-Continued.

Chains	
80.08	The cor.of secs.25,26,35,and 36.
	Land,mountainous.
	Soil,gravelly;3rd rate.
	Timber,cedar,pinon pine,and red pine.
	Good grass for grazing.
	Mountainous or heavily timberedland,80.08 chs.
	N.0° 1' W.,bet.secs.25 and 26.
	Over mountainous land;through scattering timber,and scattering undergrowth.
	Ascend .
37.00	Top of ridge,450 ft.above sec.cor.,bears NE and SW. Divide between Indian and Cottonwood Canons.
	Descend .
40.00	Set a sandstone,14x10x5 ins.,9 ins.in the ground,for ¼ sec.cor..marked ¼ on W.face;from which
	A pinon pine,12 ins.diam.,bears N.30° E.,15 lks.dist.,marked ¼ S 25 B T.
	A pinon pine,12 ins.diam.,bears S.45° W.,30 lks.dist.,marked ¼ S 26 B T.
80.00	Set a sandstone,18x10x4 ins.,12 ins.in the ground,for cor.of secs.23,24,25,and 26,marked with 2 notches on S. and 1 notch on E.edges;from which
	A red pine,18 ins.diam.,bears N.20° E.,50 lks.dist.,marked T 5 S R 6 W S 24 B T.
	A red pine,19 ins.diam.,bears S.40° E.,30 lks.dist.,marked T 5 S R 6 W S 25 B T.
	A red pine,10 ins.diam.,bears S.20° W.,50

Subdivision of T.5 S.,R.6 W.-Continued.

Chains	
	1ks.dist.,marked T 5 S R 6 W S 26 B T.
	A red pine,10 ins.diam.,bears N.20° W.,19
	1ks.dist.,marked T 5 S R 6 W S 23 B T.
	Land,mountainous.
	Soil,gravelly;3rd rate.
	Timber,cedar,pinon pine,and red pine.
	Undergrowth,sage brush.
	Good grass for grazing.
	Mountainous or heavily timbered land,80.00 chs.
	June 10,1904:At the noon hour the sky is overcast and solar observations are impossible.

	N.89° 56'E.,on a random line bet.secs.24 and 25.
40.00	Set temp.¼ sec.cor.
80.12	Intersect E.bdy.of Tp.,14 lks.S.of the cor.of secs.
	19,24,25,and 30,heretofore described.
	Thence I run
	S.89° 50'W.,on a true line bet.secs.24 and 25.
	Over mountainous land;through scattering undergrowth.
	Ascend .
8.00	Enter heavy timber,bears NE and SW.
40.06	Top of ridge,500 ft.above sec.cor.,bears NE and SW. Divide between Indian and Cottonwood Canons.
	Set a sandstone,18x10x4 ins.,12 ins.in the ground,for
	¼ sec.cor.,marked ¼ on N.face;from which
	A cedar,10 ins.diam. bears N.15° E.,35 lks.
	dist.,marked ¼ S 24 B T.
	A pinon pine,8 ins.diam.,bears S.10° W.,40
	1ks.dist.,marked ¼ S 25 B T.
	Descend .
80.12	The cor.of secs.23,24,25,and 26.
	Land,mountainous.
	Soil,gravelly;3rd rate.
	Timber,cedar,pinon pine,and red pine.
	Undergrowth,sage brush.

Subdivision of T.5 S.,R.6 W.-Continued.

Chains	
	Good grass for grazing.
	Mountainous or heavily timbered land,80.12 chs.
	N.0° 1'W.,bet.secs.23 and 24.
	Over mountainous land;through heavy timber.
	Descend .
5.00	Bottom of hollow,40 ft.below sec.cor.,course N.80° W.
	Ascend .
15.00	Leave heavy and enter scattering timber,bears E.and W.
40.00	Set a shale stone,16x10x4 ins.,11 ins.in the ground,for ¼ sec.cor.,marked ¼ on W.face;and raise a mound of stone, 2 ft.base,1½ ft.high,W.of cor.
46.00	Top of ridge,300 ft.above hollow,bears N.70° W.and S.70° E.
	Descend through heavy timber .
80.00	Set a sandstone,15x10x4 ins.,10 ins.in the ground,for cor.of secs.13,14,23,and 24,marked with 3 notcheson S. and 1 notch on E.edges;from which
	A pinon pine,10 ins.diam.,bears N.14° E.,75 lks.dist.,marked T 5 S R 6 W S 13 B T.
	A pinon pine,14 ins.diam.,bears S.12° E.,40 lks.dist.,marked T 5 S R 6 W S 24 B T.
	A pinon pine,14 ins.diam.,bears S.46° W.,80 lks.dist.,marked T 5 S R6 WS 23 B T.
	A pinon pine,10 ins.diam.,bears N.63° W.,105 lks.dist.,marked T 5 S R 6 W S 14 B T.

Subdivision of T.5 S.,R.6 W.-Continued.

Chains	
	Land,mountainous .
	Soil,gravelly and rocky;3rd and 4th rate.
	Timber,cedar,and pinon pine.
	Good grass for grazing.
	Mountainous or heavily timbered land,80.00 chs.
	N.89° 50'E.,on a random line bet.secs.13 and 24.
40.00	Set temp.¼ sec.cor.
80.06	Intersect E.bdy.of Tp.,16 lks.N.of the cor.of secs.13,18, 19,and 24,heretofore described.
	Thence I run
	S.89° 57'W.,on a true line bet.secs.13 and 24.
	Over mountainous land;through heavy timber.
	Ascend .
16.00	Top of spur,100 ft.above sec.cor.,bears N.20°W.and S.20° E.
	Descend .
22.00	Bottom of hollow,150 ft.below spur,course N.20°W.
	Ascend .
33.50	Top of ridge,300 ft.above hollow;bears N.and S.
	Descend .
40.03	Set a sandstone,18x12x3 ins.,12 ins.in the ground,for ¼ sec.cor. marked ¼ on N.face;from which
	A pinon pine,5 ins.diam.,bears N.10°E.,30 lks.dist.,marked ¼ S 13 B T.
	A pinon pine,4 ins.diam.,bears S.40°E. 20 lks.dist.,marked ¼ S 24 B T.
45.00	Bottom of hollow,300 ft.below ridge,course N.
	Ascend .
54.25	Top of ridge,400 ft.above hollow,bears N.20°E.and S.20° W.
	Descend.

Chains	
70.25	Bottom of hollow,400 ft.below ridge,course N.
	Ascend .
73.50	Top of spur,40 ft.above hollow,bears N.and S.
	Descend .
77.25	Bottom of hollow,20 ft.below spur,course N.20° E.,
	Ascend .
80.06	The cor.of secs.13,14,23,and 24.
	Land,mountainous .
	Soil,gravelly;3rd rate.
	Timber,cedar and pinon pine.
	Good grass for grazing.
	Mountainous or heavily timbered land,80.06 chs.
	June 10,1904.

June 11,1904:At 7 h 3 m a.m.,l.m.t.,I set off 40°03'N., on the lat.arc;23°8'N.,on the 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.,bet.secs.13 and 14.

	Over mountainous land;through heavy timber.
	Descend .
15.00	Bottom of hollow,250 ft.below sec.cor.,course NW .
	Ascend .
25.00	Top of ridge,450 ft.above hollow,bears E.and W.
	Descend .
29.00	Bottom of hollow,200 ft.below ridge,course W.
	Ascend .
34.00	Top of ridge,150 ft.above hollow.bears E.and W.
	Descend.
40.00	Set a sandstone,24x12x4 ins.,18 ins.in the ground,for ¼ sec.cor.,marked ¼ on W.face;from which
	A red pine,10 ins.diam.,bears N.85°E.,40 lks.dist.,marked ¼ S 13 B T.

Subdivision of T.5 S.,R.6 W.-Continued.

Chains	
	A pinon pine,8 ins.diam.,bears N.80° W.,60 lks.dist.,marked ¼ S 14 B.T.
40.75	Bottom of hollow,300 ft.below ridge,course N.80° W.
	Ascend ..
62.00	Top of ridge,250 ft.above hollow,bears N.80° W.and S.80° E.
	Descend ..
66.00	Bottom of hollow,250 ft.below ridge,course NW.
	Ascend .
77.50	Top of spur,50 ft.above hollow,bears NW.and SE.
	Descend .
80.00	Set.a limestone,18x6x6 ins.12 ins.in the ground,for cor.of secs.11,12,13,and 14,marked with 4 notches on S. and 1 notch on E.edges;from which
	A red pine,6 ins.diam.,bears N.87° 30'E.,70 lks.dist.,marked T 5 S R 6 WS 12 B T.
	A pinon pine,14 ins.diam.,bears S.46° E.,51 lks.dist.,marked T 5 S R 6 W S 13 B T.
	A white pine,20 ins.diam.,bears S.58° W.,30 lks.dist.,marked T 5 S R 6 W S 14 B T.
	A pinon pine,8 ins.diam.,bears N.50° W.,28 lks.dist.,marked T 5 S R 6 W S 11 B T.
	Land mountainous.
	Soil,gravelly;3rd rate.
	Timber,cedar,pinon pine,red pine,and white pine.
	Good grass for grazing.
	Mountainous or heavily timbered land,80.00 chs.

	N.89°57'E.,on a random line bet.secs.12 and 13.
40.00	Set temp.¼ sec.cor.
80.00	Intersect E.bdy.of Tp.,7 lks.N.of the cor.of secs.7,12, 13,and 18,heretofore described.
	Thence I run

Subdivision of T.5 S.,R.6 W.-Continued.

Chains	
	West,on a true line bet.secs.12 and 13.
	Over mountainous land;through heavy timber.
	Ascend..
1.50	Top of spur,25 ft.above sec.cor.,bears N.70° W.and S.70° E.
	Descend .
15.50	Bottom of hollow,300 ft.below sec.cor.,course SW.
	Ascend .
21.00	Top of ridge,200 ft.above hollow,bears NE and SW.
	Descend .
35.00	Bottom of hollow,250 ft.below ridge,course SW.
	Ascend .
40.00	Top of ridge,260 ft.above hollow,bears NW and SE.-
	Set a sandstone,20x12x4 ins.,15 ins.in the ground,for ¼ sec.cor.,marked ¼ on N.face;from which
	A pinon pine,18 ins.diam.,bears N.9° W ,66 lks.dist.,marked ¼ S 12 B T.
	A pinon pine,8 ins.diam.,bears S.3° E.,17 lks.dist.,marked ¼ S 13 B T.
	Descend .
53.00	Foot of descent,350 ft.below ridge, bears NW and SE.
	Leave timber and enter dense undergrowth,bears NW and SE.
	Enter bottom of broad hollow.
56.50	Wash,10 lks.wide,3 ft.deep,course NW .
70.00	Leave hollow,and begin steep ascent,bears N.80° W.and S. 80° E.
	Leave undergrowth and enterheavy timber,bears N.80° W. and S.80° E.
80.00	The cor.of secs.11,12,13,and 14.
	Land,mountainous and level.
	Soil,sandy loam and gravelly;2nd and 3rd rate.
	Timber,cedar,pinon pine,red pine and white pine.
	Undergrowth,sage brush and greasewood.
	Good grass for grazing.

Subdivision of T.5 S.,R.6 W.-Continued.

Chains	
	Mountainous or heavily timbered land,or land covered with dense undergrowth,80.00 chs.
	N.0° 1'W.,bet.secs.11 and 12.
	Over mountainous land;through heavy timber.
	Descend .
3.00	Leave heavy and enter scattering timber and dense undergrowth,bears NW and SE.
7.00	Bottom of descent,300 ft.below sec.cor.,bears NW and SE.
	Enter bottom of hollow.
	Leave timber,bears NW and SE.
11.00	Wash,20 lks.wide,6 ft.deep,course NW.
12.50	Begin ascent and leave bottom of hollow,bears NW and SE.
	Leave undergrowth and enter scattering timber,bears NW and SE.
20.00	Top of ridge,200 ft.above hollow,bears E.and W.
	Descend .
37.50	Foot of descent,240 ft.below ridge,bears NE and SW.
	Leave timber and enter dense undergrowth,bears NE and SW. Enter bottom of Indian Canon.
40.00	An old cabin(claimant unknown)bears S.70° W.,about 20.00 chs.
40.00	Set a limestone,16x12x5 ins.,11 ins.in the ground,for ¼ sec.cor.,marked ¼ on W.face;and raise a mound of stone,2 ft.base,1½ ft.high,W.of cor.
40.30	Wash,10 lks.wide,3 ft.deep,course NE.
49.25	Colton-Vernal road,bears NE and SW.
58.00	Leave canon bottom and begin ascent,bears NE and SW.

Subdivision of T.5 S.,R.6 W.-Continued.

Chains	
	Leave undergrowth and enter scattering timber,bears NE and SW.
	Enter ledges,bears NE and SW.
75.85	Top of spur,700 ft.above canon,bears E.and W.
	Leave ledges,bears E.and W.
	Descend .
80.00	Set a shale stone,18x14x6 ins.,12 ins.in the ground,for cor.of secs.1,2,11,and 12,marked with 5 notches on S. and 1 notch on E.edges;from which
	A red pine,16 ins.diam.,bears N.55°E.,70 lks.dist.,marked T 5 S R 6 W S 1 B T.
	A pinon pine,6 ins.diam.,bears S.86°E.,40 lks.dist.,marked T 5 S R 6 W S 12 B T.
	A pinon pine,7 ins.diam.,bears S.88°W.,66 lks.dist.,marked T,5 S.,R.6 W.,S.11 B T.
	A cedar,8 ins.diam.,bears N.87°W.,23 lks. dist.,marked T.5 S.,R.6 W.,S.2 B T.
	Land,mountainous and level .
	Soil,gravelly loam and rocky;2nd and 4th rate.
	Timber,cedar,pinon pine,and red pine.
	Undergrowth,sage brush.
	Good grass for grazing.
	Mountainous or heavily timbered land,or land covered with dense undergrowth,80.00 chs.-
	June 11,1904:At the noon hour the sky is overcast and solar observations are impossible.
	East,on a random line bet.secs.1 and 12.
40.00	Set temp.¼ sec.cor.
79.96	Intersect E.bdy.of Tp.,19 lks.N.of the cor.of secs.1,6, 7,and 12,heretofore described.
	Thence I run
	N.89°52'W.,on a true linebet.secs.1 and 12.
	Over mountainous land;through scattering timber.
	Ascend .

Subdivision of T.5 S.,R.6 W.-Continued.

Chains	
20.00	Top of spur,50 ft.above sec.cor.,bears N.60° W.and S. 60° E.
	Descend .
37.50	Bottom of hollow,550 ft.below spur,course N.60° W.
	Ascend .
39.98	Set a sandstone,14x10x4 ins.,9 ins.in the ground,for ¼ sec.cor.,marked ¼ on N.face;and raise a mound of stone,2 ft.base,1½ ft.high,N.of cor.
42.00	Top of spur,50 ft.above hollow,bears N.20° W.and S.20° E.
	Descend .
44.00	Foot of descent,50 ft.below spur,bears N.and S.
	Leave timber and enter dense undergrowth,bears N.and S.
	Enter bottom of Indian Canon.
53.25	Wash,15 lks.wide,6 ft.deep,course N.35° E.
	There is a stream of good water,4 lks.wide,6 ins.deep, in bottom of wash.
54.50	Colton-Vernal road,bears N.30° E.and S.30° W.
58.00	Leave canon bottom,bears N.30° E.and S.30° W.
	Leave undergrowth ,bears N.30° E.and S.30° W.
	Ascend .
60.00	Enter scattering timber,bears N.30° E.and S.30° W.
	Enter ledges,bears N.30° E.and S.30° W.
79.96	The cor.of secs.1,2,11,and 12.
	Land,mountainous and level.
	Soil,sandy loam and gravelly;2nd and 4th rate.
	Timber,cedar and pinon pine.
	Undergrowth,sage brush and greasewoods.
	Good grass for grazing.
	Mountainous land,or land covered with dense under-growth,79.96 chs.

Subdivision of T.5 S.,R.6 W.-Continued.

Chains	
	N.0° 01'W.,on a true line bet.secs.1 and 2.
	Over mountainous land;through heavy timber .
	Descend abruptly over ledges.
4.00	Bottom of hollow,75 ft.below sec.cor.,course N.65° E.
	Ascend .
17.00	Top of spur,100 ft.above hollow,bears N.70° E.and S.70° W.
	Leave ledge,bears N.70° E.and S.70°W.
	Descend .
30.00	Bottom of hollow,150 ft.below spur,course N.80° E.
	Ascend .
40.00	Set a shale stone,18x12x3 ins.,12 ins.in the ground,for ¼ sec.cor.,marked ¼ on W.face;from which
	A pinon pine,10 ins.diam.,bears N.30° E.,35 lks.dist.,marked ¼ S 1 B T.
	A pinon pine,9 ins.diam.,bears S.20° W.,40 lks.dist.,marked ¼ S 2 B T.
59.00	Top of ridge,250 ft.above hollow,bears N.50° E.and S. 50° W.
	Descend .
71.50	Bottom of hollow,300 ft.below spur,course S.85° E.
	Ascend .
71.60	Old wagon road,bears N.85° Wand S.85° E.
78.95	Intersect 1st Standard Parallel South,14.05 chs.East of the standard cor.of secs.35 and 36,which is a sandstone, 6x12x4 ins.,above ground,firmly set,and marked and witnessed as described by Deputies-Stewart and,Booth:
	Contract No. 270. Set a sandstone,18x16x3 ins.,12 ins.in the ground,for closing cor.of secs.1 and 2,marked C.C.on S.,with 1 groove on E.and 5 grooves on W.faces; from which
	A pinon pine,8 ins.diam.,bears S.50° E.,145 lks.dist.,marked T 5 S R 6 W C 1 B T.
	-- pinon pine,6 ins.diam.,bears S.75° W.,80 lks.dist.,marked T 5 S R 6 W S 2 B T.

Subdivision of T.6 S.,R.6 W.-Continued.

Chains	
	Land,mountainous.
	Soil,gravelly;3rd rate.
	Timber,cedar and pinon pine.
	Good grass for grazing.
	Mountainous or heavily timbered land,78.95 chs.
	June 11,1904.
	June 12,1904:At 7 h 2 m a.m.,l.m.t.,I set off 40°00'N., on the lat.arc;23°10'N.,on the decl.arc;and determine a méridian,with the solar,at the cor.of secs.2,3,34,and 35, on S.bdy.of Tp.,heretofore described.
	Thence I run
	N.0°2'W.,bet.secs.34 and 35.
	Over mountainous land;through dense undergrowth and scattering timber.
	Descend .
3.00	Bottom of Cottonwood Canon,25 ft.below sec.cor.,course NE.
	Ascend .
9.00	Enter heavy timber,bears NE and SW.
	Leave undergrowth,bears NE and SW.
38.00	Top of ridge,400 ft.above canon,bears N. 30°E.and S. 30°W.
	Descend gradually.
40.00	Set a limestone,17x8x4 ins.,,12 ins.in the ground,for ¼ sec.cor.,marked ¼ on W.face;from which
	A pinon pine,18 ins.diam.;bears N.68°E.,50 lks.dist.,marked ¼ S 35 B T.
	A pinon pine,12 ins.diam.,bears N.77°W.,60 lks.dist.,marked ¼ S 34 B T.
50.00	Leave heavy and enter scattering timber,bears NE and SW.
80.00	Set a sandstone,18x12x4 ins.,12 ins.in the ground,for

Chains | cor.of secs.26,27,34,and 35,marked with 1 notch on S. and 2 notches on E.edges;from which

A cedar,4 ins.diam.,bears S.5°E.,85 lks. dist.,marked T 5 S R 6 W S 26 B T.

A pinon pine,7 ins.diam.,bears S.75°E.,118 lks.dist..marked T 5 S R6 W S 35 B T.

A red pine,8 ins.diam.,bears NW.,168 lks. dist.,marked T 5 S R 6 W S 27 B T.

No tree in sec.34 in limits;raise a mound of stone, 2 ft.base,1½ ft.high,W.of cor.

Land,mountainous.

Soil,gravelly;3rd rate.

Timber,cedar,pinon pine,red pine and white pine.

Undergrowth,sage brush.

Good grass for grazing.

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

S.89°50'E.,on a random line bet.secs.26 and 35.

40;00 Set temp.¼ sec.cor.

80.14 Intersect N.and S.line 5 lks.S.of the cor.of secs. 23,26,35,and 36.

Thence I run

S.89°59'W.,on a true line bet.secs.26 and 35.

Over mountainous land;through scattering undergrowth.

Ascend .

7.00 Enter heavy timber,bears NE. and SW.

20.00 Top of ridge,450 ft.above sec.cor.,bears N.30°E.and S. 30°W.

Descend .

40.07 Set a sandstone,16x14x4 ins.,12 ins.in the ground,for ¼ sec.cor.,marked ¼ on S.face;from which

A pinon pine,5 ins.diam.,bears N.40°W.,35 lks.dist.marked ¼ S 26 B T.

Subdivision of T.5 S.,R.6 W.-Continued.

Chains	
	A pinon pine,11 ins.diam.,bears S.30°W.,12 lks.dist.,marked ¼ S 35 B T.
46.00	Leave heavy timber and enter scattering timber,bears N.and S.
56.00	Bottom of hollow,300 ft.below spur,course N.20° E.
	Ascend .
68.00	Top of spur,200 ft.above hollow,bears N.20° E.and S. 20° W.
	Descend .
71.00	Enter heavy timber,bears N.and S.
78.50	Bottom of hollow,300 ft.below spur,course N.20° W.
	Leave heavy and enter scattering timber,bears N.20° W. and S.20° E.
	Ascend .
80.14	The cor.of secs.26,27,34,and 35.
	Land,mountainous .
	Soil,gravelly;3rd rate.
	Timber,cedar,pinon pine,red pine,and white pine.
	Good grassfor grazing.
	Undergrowth,sage brush.
	Mountainous or heavily timberedland,80.14 chs.

N.0° E'W.,bet.secs.26 and 27.

Over mountainous land;through scattering timber.

Descend .

5.00	Bottom of hollow,75 ft.below sec.cor.,course N.10° E.
	Thence ascend gradually along west side of hollow.
35.00	Enter heavy timber,bears N.20° E.and S.20° W.
40.00	Set a sandstone,16x8x4 ins.,11 ins.in the ground,for

Subdivision of T.5 S.R.6 W.,-Continued.

Chains	
	¼ Sec.cor.,marked ¼ on W.face;from which
	A cedar,5 ins.diam.,bears N.70° E.,100 lks. dist.,marked ¼ S 26 B T.
	A pinon pine,4 ins.diam.,bears N.80° W.,90 lks.dist.,marked ¼ S 27 B T.
57.00	Top of spur,300 ft.above hollow,bears N.25° E.and S.25° W.
	Descend .
80.00	Set a sandstone,18x12x4 ins.,12 ins.in the ground,for ¼cor.of secs.22,23,26,and 27,marked with 22 notches on S.,and E.edges;from which
	A pinon pine,8 ins.diam.,bears N.80° E.,45 lks.dist.,marked T 5 S R 6 W S 23 B T.
	A red pine,10 ins.diam.,bears S.21° E.,70 lks.dist.,marked T 5 S R 6 W S 26 B T.
	A pinon pine,12 ins.diam.,bears S.51° W.,60 lks.dist.,marked T 5 S R 6 W S 27 B T.
	A red pine,8 ins.diam.,bears N.50° W.,80 lks.dist.,marked T 5 S R 6 W S 22 B T.
	Land,mountainous.
	Soil,gravelly;3rd rate.
	Timber,cedar,pinon pine,and redpine.
	Good grass for grazing.
	Mountainous or heavily timberedland,80.00 chs.
	June 12,1904:At the noon hour the sky is overcast and solar observations are impossible.
	N.89° 59'E. on a random line bet.secs.23 and 26.
40.00	Set temp.¼ sec.cor.
80.20	Intersect N.and S.line,6 lks.N.of the cor.of secs. 23,24,25,and 26.
	Thence I run
	N.89° 58'W.,on a true line bet.secs.23 and 26.
	Over mountainous land;through heavy timber.
	Descend .
37.00	Bottom of hollow,300 ft.below sec.cor.,course N.10° W.

Subdivision of T.5 S.,R.6 W.-Continued.

Chains	
	Leave heavy and enter scattering timber,bears N.and S.
	Ascend .
40.13	Set a sandstone,18x12x4 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.
44.00	Enter heavy timber,bears N.and S.
50.00	Top of spur,200 ft.above hollow,bears N.and S.
	Descend .
64.00	Bottom of hollow,400 ft.below spur,course N.30° E.
	Ascend .
74.00	Top of spur,400 ft.above hollow,bears N.25° E.and S. 25° W.
	Descend .
80.26	The cor.of secs.22,23,26,and 27.
	Land,mountainous.
	Soil,gravelly;3rd rate.
	Timber,pinon pine,cedar,and redpine.
	Good grass for grazing.
	Mountainous or heavily timbered land,80.26 chs.

	N.0° 2'W.,bet.secs.22 and 23.
	Over mountainous land;through heavy timber.
	Descend .
40.00	Set a sandstone,14x12x3 ins.,9 ins.in the ground,for ¼ sec.cor.,marked ¼ on W.face;from which
	A pinon pine,12 ins.diam.,bears N.15° E.,35

Subdivision of T.5 S.,R.3 W.-Continued

Chains	
	lks.dist.,marked ½ S 23 B T.
	A pinon pine,6 ins.diam.,bears N.85° W.,5 lks.dist.,marked ½ S 22 B T.
62.50	Foot of descent,400 ft.below sec.cor.,bears N.20 °E.and S.20° W.
	Leave timber and enter dense undergrowth,bears N.20° E. and S.20° W.
	Enter bottom of left hand fork of Indian Canon.
77.00	Old road,bears N.20° E.and S.20° W.
80.00	Set a shale stone,18x11x4 ins.12 ins.in the ground,for cor.of secs;14,15,22,and 23,marked with 3 notches on S. and 2 notches on E.edges;and raise a mound of stone,2 ft.base,1½ ft.high,W.of cor.
	Land,mountainous and level.
	Soil,sandy loam and gravelly;2nd and 3rd rate.
	Timber,pinon pine,cedar and red pine.
	Undergrowth,sage brush.
	Good grass for grazing.
	Mountainous or heavily timbered land,or land covered with dense undergrowth,80.00 chs.

	S.89° 58'E.,on a random line bet.secs.14 and 23.
40.00	Set temp.¼ sec.cor.
80.22	Intersect N.and S.line,16 lks.N.of the cor.of secs.13, 14,23,and 24.
	Thence I run
	N.89° 51'W.,on a true line bet.secs.14 and 23.
	Over mountainous land;through heavy timber.
	Ascend .
9.25	Top of spur,30 ft.above sec.cor.,bears N.and S.20°W.
	Descend .
11.00	Bottom of hollow,200 ft.below spur,course N.
	Ascend .
21.00	Top of spur,200 ft.above hollow,bears N.10° E.and S.10°

Subdivision of T. 5 S., R. 6 W.-Continued

Chains	
	W.
	Descend .
28.25	Bottom of hollow,200 ft.below spur,course N.
	Ascend .
35.80	Top of ridge,250 ft.above hollow,bears N.and S.
	Descend .
40.11	Set a sandstone,18x10x3 ins.,12 ins.in the ground,for ¼ sec.cor.,marked ¼ on N.face;from which
	A pinon pine,12 ins.diam.,bears N.26° E.,50 lks.dist.,marked ¼ S 14 B T.
	A pinon pine,8 ins.diam.,bears S.20° W.,49 lks.dist.,marked ¼ S 23 B T.
61.50	Bottom of hollow,800 ft.below ridge,course N.20° W.
	Ascend .
68.00	Top of ridge,300 ft.above hollow,bearsN.20° E.and S.20° W.
	Descend .
76.00	Foot of descent,400 ft.below ridge,bears N.10° E.and S. 10° W.
	Leave timber and enter dense undergrowth,bears N.10° E. and S.10° W.
	Enter bottom of left hand fork of Indian Canon.
78.70	Old road,bears N.20° E.and S.20° W.
80.22	The cor.of secs.14,15,22,and 23.
	Land,mountainous and level.
	Soil,gravelly;3rd rate.
	Timber,cedar and pinon pine.
	Undergrowth,sage brush.
	Good grass for grazing.
	Mountainous or heavily timberedland,or land covered with dense undergrowth,80.22 chs.

June 12,1904.

Subdivision of T.5 S.,R.6 W.-Continued.

Chains	
	June 13,1904:At 7h.2m a .m.,.l.m.t.,I set off 40°03'N., on the lat.arc;23°14'N.,on the decl.arc;and determine a meridian with the solar ,at the cor.of secs.14,15,22, and 23.
	Thence I run
	N.0°2'W.,bet.secs.14 and 15.
	Over level land ;through dense undergrowth.
1.00	Wash,50 lks.wide,5 ft.deep,course N.10°E.
12.50	Same wash,30 lks.wide,6 ft.deep,,course N.20°W.
30.00	East edge of same wash,10 ft.deep,course N.20°E.
32.00	West edge of wash.
40.00	Set a limestone,14x8x5 ins.,9 ins.in the ground,for ¼ sec.cor.,marked ¼ on W.face;and raise a mound of stone, 2 ft.base,1½ ft.high,W.of cor.
40.10	Leave canon bottom and begin ascent over ledges, bears N.20°E.and S.20°W.
	Leave undergrowth, bears N.20°E.and S.20°W.
53.30	Top of divide,ridge bet.left hand fork of Indian Canon and Indian Canon,500 ft.above canon,bears N.60°E.and S.60°W.
	Descend .
60.70	Shale ledge,80 ft.high,bears N.60°E.and S.60°W.
71.00	Foot of descent,bears NE.and S.60°W.1000 ft.below ridge.
	Leave ledges,bears N.60°E.and S.60°W.
	Enter dense undergrowth,bears N.60°E.and S.60°W.
	Enter bottom of Indian Canon.
72.00	Wash,10 lks.wide,2 ft.deep,course NE.
75.00	Colton-Vernal road,bears NE and SW.
80.00	Set a sandstone,17x9x4 ins.,12 ins.in the ground,for cor.of secs.10,11,14,and 15,marked with 4 notches on S. and 2 notches on E.edges;and raise a mound of stone, 2 ft.base,1½ ft.high,W.of cor.
	Land,mountainous and level.
	Soil,gravelly and rocky ;2nd and 4th rate.
	No timber.

Subdivision of T.5 S.,R.6 W.-Continued.

Chains	
	Undergrowth,sage brush and greasewood.
	Good grass for grazing.
	Mountainous land,or land covered with dense undergrowth,
	80.00 chs.
	——— —
	S.89° 51'E .,on a random line bet.secs.11 and 14.
40.00	Set temp.¼ sec.cor.
80.06	Intersect N.and S.line,21 lks.S.of the cor.of secs. 11,12,13,and 14.
	Thence I run
	West,on a true line bet.secs.11 and 14.
	Over mountainous land;through scattering timber and dense undergrowth.
	Ascend .
2.50	Top of spur,100 ft.above sec.cor.,bears NW and SE.
	Descend .
16.00	Foot of descent,700 ft.below spur,bears N.20° E.and S. 20° W. Enter bottom of left hand fork of Indian Canon.
	Leave timber,bears N.20° E.and S.20° W.
20.00	Old road,bears N.20° E.and S.20° W.
23.00	Leave canon bottom and begin ascent,bears N.20° E.and S. 20° W.
	Leave undergrowth,bears N.20° E.and S.20° W.
30.00	Enter scattering timber,bears NE.and SW.
39.50	Top of divide ridge between the left hand fork of Indian Canon and Indian Canon,bears NE and SW. Descend .
40.03	Set a limestone,16x10x5 ins.,11 ins.in the ground,for ¼ sec.cor.,marked ¼ on N.face;from which
	A pinon pine,10 ins.diam.,bears N.60° E.,50 lks.dist.,marked ¼ S 11 B T.
	A pinon pine,10 ins.diam.,bears S.5° W.,18 lks.dist.,marked ¼ S 14 B T.
47.09	Top of perpendicular ledge,40 ft.high,bears NE and SW.
	Thence over series of ledges .

Subdivision of T.5 S .R 6 W.-Continued.

Chains	
72.50	Foot of descent,1000 ft.below ridge,bears N.60° E.and S. 40° W.
	Enter bottom of Indian Canon.
	Leave timber and enter dense undergrowth,bears N.60° E. and S.60° W.
	Leave ledges,bears N.60° E.and S.60° W.
77.50	Colton-Vernal road,bears N.60° E.and S.40° W.
80.06	The cor.of secs.10,11,14,and 15.
	Land,mountainous and level.
	Soil,sandy loam and gravelly and rocky;2nd ,3rd ,and 4th rate.
	Timber,cedar and pinon pine.
	Undergrowth,sage brush.
	Good grass for grazing.
	Mountainous land,or land covered with dense undergrowth, 80.06 chs.
	June 13,1904:At this cor.I set off 23° 14'N.,on the decl. arc;and at 0 h 2 m p.m.,l.m.t.,I observe the sun on the meridian,the resulting lat.is 40° 04'N.,which is the proper lat.nearly.

	Thence I run
	N.0° 2'W.,bet.secs.10 and 11.
	Over level canon bottom,through dense undergrowth.
1.00	Leave canon bottom,bears NE and S.40° W.
	Leave undergrowth,bears NE and S.40° W.
	Ascend over ledges.
5.00	Enter scattering timber,bears NE and SW.
17.50	Top of spur,700 ft.above canon,bears E.and W.
	Leave ledges,bears E.and W.
	Descend .

Subdivision of T 5 S R 6 W -Continued

Chains

26.75 Bottom of hollow,200 ft.below spur,course E.

Ascend .

36.00 Top of ridge,300 ft.above hollow,bears E.and W.

Descend .

40.00 Set a sandstone,14x12x5 ins.,9 ins.in the ground,for ¼ sec.cor.,marked ¼ on W.face;from which

A red pine,10 ins.diam.,bears S.88° E.,39 lks.dist.,marked ¼ S 11 B T.

A white pine,5 ins.diam.,bears S.80° W.,35 lks.dist.,marked ¼ S 10 B T.

80.00 Set a sandstone,16x13x5 ins.,11 ins .in the ground,for cor.of secs.2,3,10,and 11,marked with 5 notches on S. and 2 notches on E.edges;from which

A pinon pine,7 ins.diam.,bears N.30° E.,85 lks.dist.,marked T 5 S R 6 W S 2 B T.

A pinon pine,9 ins.diam.,bears S.30° E.,50 lks.dist.,marked T 5 S R 6 W S 11 B T.

A pinon pine,12 ins.diam.,bears S.40° W .,33 lks.dist.,marked T 5 S R 6 W S 10 B T.

A pinon pine,10 ins.diam.,bears N.35° W.,43 lks.dist;,marked T 5 S R6 W S 3 B T.

Land,mountainous and level.

Soil,gravelly and rocky;3rd and 4th rate.

Timber,cedar and pinon pine,and red pine and white pine.

Undergrowth,sage brush

Good grass for grazing.

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

East,on a random line bet.secs. 2 and 11.

40.00 Set temp.¼ sec.cor.

80.02 Intersect N.and S.line,16 lks.N.of the cor.of secs.

Subdivision of T.5 S.,R.6 W.-Continued.

Chains	
	1,2,11,and 12.
	Thence I run
	N.89° 53'W.,on a true line bet.secs.2 and 11.
	Over mountainous land;through heavy timber .
	Ascend .
18.00	Top of ridge,200 ft.above sec.cor.,bears N.15° W.and S. 15° E.
	Descend .
25.50	Bottom of hollow,150 ft.below ridge,course S.40° E.
	Ascend .
40.01	Set a sandstone,18x12x4 ins.,12 ins.in the ground,for ¼ sec.cor.,marked ¼ on N.face;from which
	A pinon pine,8 ins.diam.,bears N.75° E.,150 lks.dist.,marked ¼ S 2 B T.
	A cedar,4 ins.diam.,bears S.10° E.,30 lks.dist.,marked ¼ S 11 B T.
45.00	Top of ridge,150 ft.above hollow,bears N.20° W.,and S. 20° E.
	Descend .
76.50	Bottom of hollow,75 ft.below ridge,course S.75° E.
	Ascend .
80.02	The cor.of secs.2,3,10,and 11.
	Land,mountainous .
	Soil,gravelly;3rd rate.
	Timber,cedar and pinon pine and red pine.
	Good grass for grazing.
	Mountainous or heavily timbered land,80.02 chs.

N.0° 2'W.,on a true line bet.secs.2 and 3.

Subdivision of T.5 S. R.6 W.-Continued.

Chains	
	Over mountainous land;through heavy timber.
	Descend .
1.25	Bottom of hollow,20 ft.below sec.cor.course S.75°E.
	Ascend .
9.50	Top of ridge,100 ft.above hollow,bears N.80°W.and S. 80°E.
	Descend .
40.00	Set a sandstone,20x10x7 ins.,15 ins.in the ground,for ¼ sec.cor.,marked ¼ on W.face;from which
	A pinon pine,5 ins.diam.,bears N.60°E.,50 lks.dist.,marked ¼ S 2 B T.
	A cedar,4 ins.diam.,bears N.30°W.,45 lks. dist.,marked ¼ S 3 B T.
47.50	Bottom of hollow,250 ft.below ridge,course N.65°E. Old wagon road in bottom,bears N.65°E.and S.65°W.
	Ascend .
59.00	Top of ridge,200 ft.above hollow,bears N.85°W.and S. 85°E.
	Descend .
72.00	Bottom of hollow,75 ft.below ridge,course S.80°E. Ascend.
77.00	Top of ridge,200 ft.above hollow,bears NE and SW.Desc.
78.54	Intersect 1st Standard Parallel South,14.08 chs.East of the standard cor.of secs.34, and 35,which is a sandstone, 5x14x 4 ins.above ground,firmly set,and marked and witnessed as described by Deputies Stewart and Booth. Contract No. 270.
	Set a sandstone,16x16x4 ins.,11 ins.in the ground,for closing cor.of secs.2 and 3,marked C C on S.,with 2 grooves on E.and 4 grooves on W.faces;from which
	A pinon pine,9 ins.diam.,bears S.31°E.,66 lks.dist.,marked T 5 S R 6 W S 2 B T.
	A pinon pine,16 ins.diam.,bears S.63°W.,58 lks.dist.,marked T 5 S R 6 W S 3 B T.
	Land,mountainous.
	Soil,gravelly;3rd rate.
	Timber,cedar and pinon pine.

Subdivision of T 5 S.-R.6 W -Continued.

Chains	
	Good grass for grazing.
	Mountainous or heavily timbered land,78.54 chs.
	June 13,1904.
	June 14,1904:At 7 h 2 m a.m.,l.m.t.,l set off 40°00' N.,on the lat.arc;23°17'N.,on the decl.arc;and determine a meridianwith the solar,at the cor.of secs.3,4, 33,and 34,heretofore described.
	Thence I run
	N.0°2'W.,bet.secs.33 and 34.
	Over mountainous land;through heavy timber.
	Descend along west side of ridge.
40.00	Set a sandstone,18x8x5 ins.,12 ins.in the ground,for ¼ sec.cor.,marked ¼ on W.face;from which
	A redpine,6 ins.diam.,bears N.20°E.,25 lks.dist.,marked ¼ S 34 B T.
	A red pine,6 ins.diam.,bears S.50°W.,45 lks.dist.,marked ¼ S 33B T.
50.00	Bottom of hollow,600 ft.below sec.cor.,course N.30°E.
	Ascend
50.25	Leave timber,bears N.30°E.and S.30°W.
80.00	Set a sandstone,14x10x4 ins.,9 ins.in the ground,for cor.of secs.27,28,33,and 34,marked with 1 notch on S. and 3 notches on E.edges;and raise a mound stone,2 ft. base,1½ ft.high,W.of cor.
	Land,mountainous.
	Soil,gravelly;3rd rate.
	Timber,cedar and pinon pine and red pine.
	Good grass for grazing.
	Mountainous or heavily timbered land,80.00 chs.

Subdivision of T 5 S .R 6 W -Continued

Chains	
	S.89° 59'E.,on a random line bet.secs.27 and 34.
40.00	Set temp.¼ sec.cor.
79.84	Intersect N.and S.line,3 lks.N.of the cor.of secs. 26,27,34,and 35.
	Thence I run.
	N.89° 58'W.,on a true line bet.secs.27 and 34.
	Over mountainous land;through scattering timber.
	Descend .
4.00	Bottom of hollow,25 ft.below sec.cor.,course NE.
	Ascend .
4.25	Enter heavy timber,bears N.30° E.and S.30° W.
35.00	Top of ridge,400 ft. above hollow, bears N.30° E.and S. 30° W.
	Descend .
39.92	Set a sandstone,18x12x4 ins.,12 ins.in the ground,for ¼ sec.cor.,marked ¼ on N.face;from which
	A pinon pine,11 ins.diam.,bears N.30° E.,46 lks.dist.,marked ¼ S 27 B T.
	A pinon pine,9 ins.diam.,bears S.20° W.,38 lks.dist.,marked ¼ S 34 B T.
75.25	Bottom of hollow,400 ft.below ridge,course N.
	Leave timber,bears N.and S.
	Ascend .
79.84	The cor.of secs.27,28,33,and 34.
	Land,mountainous.
	Soil,gravelly;3rd rate.
	Timber,cedar and pinon pine.
	Good grass for grazing.
	Mountainous or heavily timbered land,79.84 chs.

Subdivision of T 5 S.,R.6 W.-Continued.

Chains	
	N.0° 2'W.;bet.secs.27 and 28.
	Over mountainous land;through scattering undergrowth.
	Descend .
40.00	Bottom of hollow,150 ft.below sec.cor.,course N.30°W.
	Set a sand stone,15x10x6 ins.,10 ins.in the ground,for ¼ sec.cor.,marked ¼ on W.face;and raise a mound of stone, 2 ft.base,1½ ft.high,W.of cor.
	Ascend .
55.00	Top of spur,200 ft.above hollow,bears N.60°W.and S.60°E.
	Descend .
60.00	Foot of descent,225 ft.below spur ,bears NE and SW.
	Enter bottom of left hand fork of Indian Canon.
	Enter dense undergrowth,bears NE and SW.
75.00	Wash,10 lks.wide,4 ft.deep,course NE.
77.00	Old road,bears NE and SW.
79.00	Leave canon bottom,bears NE and SW.
	Ascend .
80.00	Set a hard shale stone,18x12x5 ins.,12 ins.in the ground, for cor.of secs.21,22,27,and 28,marked with 2 notches on S.and 3 notches on E.edges;and raise a mound of stone, 2 ft.base,1½ ft.high,W.of cor.
	Land,mountainous and level.
	Soil,gravelly loam and rocky;2nd and 4th rate.
	No timber.
	Undergrowth,sage brush.
	Good grass for grazing.
	Mountainous land,or land covered with dense undergrowth, 80.00 chs.

	S.89°58'E.,on a random line bet.secs.22 and 27.
40.00	Set temp.¼ sec.cor.
79.62	Intersect N.and S.line,7 lks.S.,of the cor.of secs.22, 23,26,and 27.

Subdivision of T 5 S :R 6 W -Continued

Chains	
	Thence I run
	S.89° 59'W.,on a true line bet.secs.22 and 27.
	Overmountainous land;through heavy timber.
	Descend .
7.00	Bottom of hollow,150 ft.below sec.cor.,course N.10° W.
	Ascend .
18.00	Top of spur,200 ft:above hollow,bears N.20° E.and S. 20° W.
	Descend .
39.81	Set a limestone;14x10x4 ins.,9 ins.in the ground,for ¼ sec.cor.,marked ¼ on N.face;from which
	A red pine,10 ins.diam.,bears N.15° E.,28 lks.dist.,marked ¼ S 22 B T.
	A red pine,6 ins diam.,bears S.10° W.,15 lks. dist.,marked ¼ S 27 B T.
65.00	Bottom of descent,600 ft.below spur,bears NE and SW.
	Leave timber and enter dense undergrowth,bears NE and SW.
	Enter bottom of left hand fork of Indian Canon.
77.00	Wash,25 lks.wide,6 ft .deep,course NE.
77.50	Old road,bears N.60° E.and S.40° W.
78.62	Leave canon bottom,bears NE and SW.
	Ascend .
79.62	The cor.of secs.21,22,27,and 28.
	Land,mountainous and level.
	Soil,gravelly loam and rocky;2nd and 4th rate.
	Timber,cedar,pinon pine,and red pine.
	Undergrowth,sage brush.
	Good grass for grazing.
	Mountainous or heavily timbered land,or land covered with dense undergrowth,79.62 chs.
	June 14,1904:At this cor.I set off 23° 17'N.,on the decl. arc;and at 0 h 2 m p.m.,l.m.t.,I observe the sun on the meridian,the resulting lat.is 40° 02'N.,which is the proper lat.nearly.

Subdivision of T.5 S.,R.6 W.-Continued.

Chains	
	Thence I run
	N.0° 2'W.,bet.secs.21 and 22.
	Over mountainous land;through scattering undergrowth.
	Ascend over ledges.
5.00	Top of spur,200 ft.above sec.cor.,bears E.and W.
	Descend .
11.50	Bottom of hollow,250 ft.below spur,course S.80° E.
	Leave ledges,bears N.80° W.and S.80° E.
	Ascend .
20.00	Foot of perpendicular ledge,50 ft.high,bears E.and W.
38.00	Top of spur,1000 ft.above hollow,bears N.20° W.and S. 20° E. Enter scattering timber,bears N.20° W.and S.20° E.
	Descend .
40.00	Set a sandstone,18x12x3 ins.,12 ins.in the ground,for ¼ sec.cor.,marked ¼ on W.face;from which
	A red pine ,12 ins.diam.,bears N.80° E.,50 lks.dist.,marked ¼ S 22 B T.
	A red pine,16 ins.diam.,bears N.76° W.,24 lks.dist.,marked ¼ S 21 B T.
49.00	Bottom of hollow,150 ft.below spur,course S.60° E.
	Ascend .
57.00	Top of divide ridge bet.left hand fork of Indian Canon and Indian Canon,250 ft.above hollow,bears NE and SW.
	Descend through heavy timber.
77.00	Bottom of hollow,1500 ft.below ridge,course N.60° E.
	Ascend .
80.00	Set a sandstone,22x9x5 ins.,16 ins.in the ground,for cor.of secs.15,16,21,and 22,marked 5 S on NE.,and 6 W on SE.faces;with 3 notches on S.,and E.edges;from which

Subdivision of T 5 S ,R 6 W.-Continued

Chains	
	A pinon pine,8 ins.diam.,bears N.58° E.,158 lks.dist.,marked T 5 S R 6 W S 15 B T.
	A pinon pine,12 ins.diam.,bears S.71° W.,116 lks.dist.,marked T 5 S R 6 W S 21 B T.
	A pinon pine,12 ins.diam.,bears N.37° W.,65 lks.dist.,marked T 5 S R 6 W S 16 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 and rocky;3rd and 4th rate.
	Timber,cedar and pinon pine and red pine.
	Undergrowth,sage brush.
	Good grass for grazing.
	Mountainous or heavily timberedland,80.00 chs.

	N.89° 59'E.,on a random line bet.secs.15 and 22.
40.00	Set temp.¼ sec.cor.
79.84	Intersect N.and S.line,5 lks.N.of the cor.of secs.14, 15,22,and 23.
	Thence I run
	N.89° 59'W.,on a true line bet.secs.15 and 22.
	Over level canon bottom;through dense undergrowth.
.30	Wash,50 lks.wide,5 ft.deep,course N.10° E.
5.50	Leave canon bottom,bears N.10° E.and S.10° W.
	Leave undergrowth,bears N.10° E.and S.10° W.
	Ascend .
10.00	Enter scattering timber,bears N.and S.
39.92	Set a sandstone,14x12x4 ins.,9 ins.in the ground,for ¼ sec.cor.,marked ¼ on N.face;from which
	A pinon pine,8 ins.diam.,bears N.30° E.,55 lks.dist.,marked ¼ S 15 B T.
	A pinon pine,5 ins.diam.,bears S.25° W.,60 lks.dist.,marked ¼ S 22 B T.
47.00	Top of divide ridge bet.left hand fork of Indian Canon an

Subdivision of T. 5 S., R. 6 W. -Continued

Chains	
	Indian Canon,1000 ft.above sec.cor.,bears NE and SW.
	Descend through heavy timber.
76.00	Bottom of hollow,500 ft.below ridge,course N.20° E.
	Ascend .
79.84	The cor.of secs.15,16,21,and 22.
	Land,mountainous and level.
	Soil,gravelly;3rd rate.
	Timber,cedar and pinon pine and red pine.
	Undergrowth,sage brush.
	Good grass for grazing.
	Mountainous or heavily timbered land,or land covered with dense undergrowth,79.84 chs.

	N.0° 2'W.,bet.secs.15 and 16.
	Over mountainous land;through heavy timber.
	Descend along side of ridge.
20.00	Foot of descent,900 ft.below sec.cor.,bears N.60° E.and S.60° W.
	Leave timber and enter dense undergrowth,bears N.60° E. and S.60° W.
	Enter bottom of Indian Canon.
22.00	Colton-Vernal road,bears N.60° E.and S.60° W.
30.00	Leave canon bottom,bears N.60° E.and S.60° W.
	Leave undergrowth,bears N.60° E.and S.60° W.
	Ascend .
35.00	Enter scattering timber,bears N.60° E.and S.60° W.
39.00	Spur,400 ft.above canon,bears NW and SE.
40.00	Set a sandstone,18x14x5 ins.,12 ins.in the ground,for ¼ sec.cor.,marked ¼ on W.face;from which
	A pinon pine,10 ins.diam.,bears N.80° E.,18

Subdivision of T.5 S.,R.6 W.-Continued.

Chains	
	lks.dist.,marked ¼ S 15 B T.
	A cedar,16 ins.diam.,bears N.80° W.,80 lks. dist.,marked ¼ S 16 B T.
46.50	Bottom of ravine,50 ft.deep,course S.30° E.
	Ascend .
65.00	Top of ridge,1500 ft.above canon bottom,bears NW and SE.
	Descend .
73.00	Bottom of hollow,300 ft.below ridge,course S.40° E.
	Ascend .
80.00	Set a limestone,16 x8x4 ins.,11 ins.in the ground,for cor.of secs.9,10,15,and 16,marked with 4 notches on S. and 3 notches on E.edges;from which
	A pinon pine,12 ins.diam.,bears N.50° E.,70 lks.dist.,marked T 5 S R6 WS 10 B T.
	A pinon pine,14 ins.diam.,bears S.60° E.,90 lks.dist.,marked T 5 S R 6 W S 15 B T.
	A pinon pine,16 ins.diam.,bears S.20° W.,35 lks.dist.,marked T 5 S R 6 W S 16 B T.
	A pinon pine,16 ins.diam.,bears N.40° W.,59 lks.dist.,marked T 5 S R 6 W S 9 B T.

Land,mountainous and level.

Soil,sandy loam and gravelly;2nd and 3rd rate.

Timber,cedar and pinon pine.

Undergrowth,sage brush and greasewood.

Good grass for grazing.

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

June 14,1904:At this cor.Latitude 40° 03'44"N.,longitude 110° 38'08"W.,I set off 40° 04'N.,on the lat.arc;23° 19'N., on the decl.arc;and determine at 5 h 2 m p.m.,l.m.t., a meridian,with the solar, and mark a point thereof on a stone firmly set in the ground,5.00 chs.N.of the cor.

June 14,1904.

Subdivision of T.5 S.,R.6 W.-Continued.

Chains	
	June 15,1904:At 1h.56.8m.a.m.,l.m.t.,I observe Polaris at eastern elongation,in accordance with the Manual,and mark a point in the line thus determined,on a peg driven in the ground,5.00 chs.N.of the cor.
	At 6 h 28 m a.m.,l.m.t,I lay off the azimuth of Polaris 1° 34.4'to the west and mark the meridian thus determined by cutting a small groove in the stone already set 5.00 chs.N.of the cor.;this mark falls 0.24 ins.east of the mark determined with the solar.
	At 7 h 2 m a.m.,l.m.t.,I set off 40°04'N.,on the lat.arc; 23° 20'N.,on the decl.arc;and mark the meridian determined with the solar,by a cross on the stone already set 5.00 chs.N.of the cor.;this mark falls 0.29 ins.east of the meridian established by Polaris observation.
	The solar apparatus by p.m.and a.m.observations defines position for meridians respectively about 0'13"west and 0'15"East of the meridian established by Polaris observation;therefore I conclude that the adjustments of the instrument are satisfactory.
	The magnetic bearing of the meridian at 7 h 30 m a.m., is N.16° 34'W.,the angle thus determined gives the mag. decl.16° 34'E.
	Thence I run
	S.89° 59'E.,on a random line bet.secs.10 and 15.
40.00	Set temp.¼ sec.cor.
80.02	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 a true line bet.secs.10 and 15.
	Over level canon bottom,through dense undergrowth.
1.00	Leave canon bottom,bears NE and SW.

Subdivision of T.5 S.,R.6 W.-Continued.

Chains	
	Leave undergrowth,bears N.45° E.and S.45° W.
3.00	Foot of shale ledge,50 ft.high,bears NW and SE.
6.50	Ravine,50 ft.deep,course SE.
26.00	Top of spur,900 ft.above sec.cor.,bears N.and S.
	Descend .
32.60	Bottom of hollow,250 ft.below spur,course SE.
	Ascend through scattering timber.
40.01	Set a limestone,16x12x5 ins.,11 ins.in the ground,for ¼ sec.cor.,marked ¼ on N.face;from which
	A pinon pine,16 ins.diam.,bears N.26 lks. dist.,marked ¼ S 10 B T.
	A pinon pine,8 ins.diam.,bears S.25° E.,37 lks.dist.,marked ¼ S 15 B T.
41.00	Top of ridge,300 ft.above hollow,bears N.and S.
	Descend .
47.00	Bottom of hollow,240 ft.below ridge,course S.30° E.
	Ascend .
60.50	Top of spur,300 ft.above hollow, bears N.and S.
	Descend .
79.25	Bottom of hollow,200 ft.below ridge,course S.10° E.
	Ascend .
80.02	The cor. of secs.9,10,15,and 16.
	Land,mountainous and level.
	Soil,sandy loam and gravelly;2nd and 3rd rate.
	Timber,cedarand pinon pine.
	Good grass for grazing.
	Undergrowth,sage brush.
	Mountainous land,or land coveredwith dense undergrowth, 80.02 chs.

N.0° 2'W.,bet.secs.9 and 10.

Over mountainous land;through heavy timber.

Subdivision of T.5 S..R.6 W.--Continued.

Chains	
	Ascend .
34.50	Top of ridge,400 ft.above sec.cor.,bears E.and W.
	Descend .
40.00	Set a sandstone,18x14x4 ins.,12 ins.in the ground,for ¼ sec.cor.,marked ¼ on W.face;from which
	A pinon pine,6 ins.diam.,bears S.46°E.,60 lks.dist.,marked ¼ S 10 B T.
	A cedar,7 ins.diam.,bears N.37°W.,29 lks.dist.,marked ¼ S 9 B T.
41.50	Bottom of hollow,200 ft.below ridge,course E.
	Ascend . Divide between Lake and Indian Canons.
69.00	Top of ridge,300 ft.above hollow,bears N.80°E.and S.80°W.
	Descend .
79.25	Head of hollow,125 ft.below ridge,course NW .
	Ascend .
80.00	Set a sandstone,16x12x3 ins.,11 ins.in the ground,for cor.of secs.3,4,9,and 10,marked with 5 notches on S.and 3 notches on E.edges;from which
	A pinon pine,6 ins.diam.,bears N.25°E.,108 lks.dist.,marked 1 5 S R 6 W S 3 B T.
	A cedar,4 ins.diam.,bears S.88°E.,92 lks. dist.,marked T 5 S R 6 W S 10 B T.
	A pinon pine,16 ins.diam.,bears S.76°W.,230 lks.dist.,marked T 5 S R 6 W S 9 B T.
	A pinon pine,4 ins.diam.,bears N.65°W.,118 lks.dist.,marked T 5 S R 6 W S 4 B T.
	Land,mountainous.
	Soil,gravelly;3rd rate.
	Timber,cedar and pinon pine .
	Good grass for grazing.
	Mountainous or heavily timbered land,80.00 chs.
	June 15,1904:At this cor.I set off 23°20'N.,on the decl. arc;and at 0 h 2 m p.m.,l.m.t.,I observe the sun on the meridian,the resulting lat.is 40°05'N.,which is the proper lat. nearly.

Subdivision of T.5 S. R.6 W.-Continued.

Chains	
	N.89° 59'E.,on a random line bet.secs.3. and 10.
40.00	Set temp.¼ sec.cor.
80.08	Intersect N.and S.line,21 lks.S.of the cor.of secs. 2,3,10,and 11.
	Thence I run
	S.89° 50'W.,on a true line bet.secs.3 and 10.
	Over mountainous land;through heavy timber.
	Ascend .
14.00	Top of ridge,150 ft.above sec.cor.,bears N.20°W.and S. 5°E.
	Descend .
30.00	Bottom of hollow,100 ft.below ridge,course S.60°E.
	Ascend .
40.04	Set a shale stone,16x10x4 ins.,11 ins.in the ground, for ¼ sec.cor.,marked ¼ on N.face;from which
	A pinon pine ,10 ins.diam.,bears N.25°W.,45 lks.dist.,marked ¼ S 3 B T.
	A pinon pine,8 ins.diam.,bears S.30°W.,35 lks.dist.,marked ¼ S 10 B T.
70.00	Top of ridge,divide between Lake Canon and Indian Canon,200 ft.above hollow,bears NE and SW.
	Descend .
80.08	The cor.of secs.3,4,9,and 10.
	Land,mountainous.
	Soil,gravelly;3rd rate.
	Timber,cedar and pinon pine.
	Good grass for grazing.
	Mountainous or heavily timbered land,80.08 chs.

Subdivision of T 5 S R 6 W -Continued

Chains	
	N.0° 2'W.,on a true line bet.secs.3 and 4.
	Over mountainous land;through heavy timber.
	Ascend .
7.00	Top of ridge,75 ft.above sec.cor.,bears N.85°W.and S. 85°E.
	Descend .
13.50	Bottom of hollow,100 ft.below ridge,course N.75°W.
	Ascend .
19.00	Top of ridge,90 ft.above hollow,bears N.70°W.and S.70 E.
	Descend .
40.00	Set a sandstone,16x12x4 ins.,11 ins.in the ground,for ¼ sec.cor.,marked ¼ on W.face;from which
	A pinon pine,12 ins.diam.,bears S.45°E.,25 lks.dist.,marked ¼ S 3 B T.
	A pinon pine,4 ins.diam.,bears N.70°W.,56 lks.dist.,marked ¼ S 4 B T.
78.97	Intersect 1st Standard Parallel South,13.80 chains.East of the standard cor.of secs.33 and 34,which is a sandstone,6 x11x4 ins. above ground,firmly set,and marked and witnessed as described by Deputies Stewart and Booth. Contract No. 270.
	Set a sandstone,20x16x4 ins.,15 ins.in the ground,for closing cor.of secs.3 and 4,marked C C on S.,with 3 grooves on E.,and W.faces;from which
	A red pine,11 ins.diam.,bears S.50°E.,56 lks. dist.,marked T 5 S R 6 W S 3 B T.
	A pinon pine ,12 ins.diam.,bears S.62°W.,72 lks.dist.,marked T 5 S R 6 W S 4 B T.
	Land,mountainous.
	Soil,gravelly;3rd rate.
	Timber,cedar and pinon pine and red pine .
	Good grass for grazing.
	Mountainous or heavily timberedland,78.97 chs.
	June 15,1904.

Subdivision of T.5 S.,R.6 W.-Continued.

Chains	
	June 16,1904:At 7 h 3 m a.m.,l.m.t.,I set off 40°40'N., on the lat.arc;23°22'N.,on the decl.arc;and determined a meridian with the solar,at the cor.of secs.4,5,32,and 33,on S.,bdy.of Tp.,heretofore described.
	Thence I run
	N.0°3'W.,bet.secs32 and 33 .
	Over mountainous land;through heavy timber.descend.
20.50	Bottom of hollow,600 ft.below sec.cor.,course N.30°W.
	Ascend .
39.00	Top of spur,100 ft.above hollor,bears NW and SE.
	Descend .
40.00	Set a limestone,18x14x4 ins.,12 ins.in the ground,for ¼ sec.cor.,marked ¼ on W.face;from which
	A pinon pine,11 ins.diam.,bears N.63°E.,36 lks.dist.,marked ¼ S 33 B T.
	A pinon pine,6 ins.diam.,bears S.84°W.,35 lks.dist.,marked ¼ S 32 B T.
48.00	Foot of descent,300 ft.below spur,bears NE. and SW.
	Leave timber and enter dense undergrowth,bears NE a d SW.
	Enter bottom of left hand fork of Indian Canon.
50.00	Wash,20 lks.wide,8 ft.deep,course NE.
	A stream of good water,3 lks.wide,3 ins.deep,in bottom .
55.00	Old road,bears NE and SW.
64.00	Leave undergrowth,bears E.and W.
	Leave canon bottom,and begin ascent,bears E.and W.
79.00	Top of spur,600 ft.above canon,bears E.and W.
	Enter heavy timber,bears E.and W.
	Descend .
80.00	Set a sandstone,18x13x4 ins.,12 ins.in the ground,for cor.of secs.28,29,32,and 33,marked with 1 notch on N. and 4 notches on E.edges;from which
	A red pine,8 ins.diam.,bears N.21°E.,35 lks. dist.,marked T 5 S R 6 W S 28 B T.

Subdivision of T.5 S.,R.6 W.-Continued.

Chains	
	A pinon pine,10 ins.diam.,bears S.49° E.,37 lks.dist.,marked T 5 S R 6 W S 33 B T.
	A pinon pine,15 ins.diam.,bears S.30° W.,33 lks.dist.,marked T 5 S R 6 W S 32 B T.
	A red pine,5 ins.diam.,bears N.46° W.,65 lks.dist.,marked T 5 S R 6 W S 29 B T.
	Land,mountainous and level.
	Soil,gravelly and stony;3rd and 4th rate.
	Timber,cedar pinon pine,and red pine.
	Undergrowth,sage brush and greasewood.
	Good grass for grazing.
	Mountainous or heavily timbered land,or land covered with dense undergrowth,80.00 chs.

	S.89° 59'E.,on a random line bet.secs.28 and 33.
40.00	Set temp.¼ sec.cor.
79.86	Intersect N.and S.line,9 lks.S.of the cor.of secs. 27.28,33,and 34.
	Thence I run
	S.89° 57'W.,on a true line bet.secs.28 and 33.
	Over mountainous land;through scattering undergrowth.
	Ascend .
4.20	Top of ridge,100 ft.above sec.cor.,bears N.and S.
	Enter scattering timber,bears N.and S.
	Descend .
39.93	Set a sandstone,15x10x4 ins.,10 ins.in the ground,for ¼ sec.cor.,marked ¼ on N.face;from which
	A pinon pine,7 ins.diam.,bears N.50° E.,46 lks.dist.,marked ¼ S 28 B T.
	A pinon pine,8 ins.diam.,bears S.,60 lks. dist.,marked ¼ S 33 B T.
45.00	Foot of descent,800 ft.below ridge,bears NE and SW.
	Leave timber and enter dense undergrowth,bears NE and

Subdivision of T 5 S ,R.6 W.-Continued.

Chains	
	SW.
	Enter bottom of left hand fork of Indian Canon.
48.00	Wash,10 lks.wide,4 ft.deep,course NE .
53.00	Old road,bears NE and SW.
58.00	Leave canon bottom,bears NE and SW.
	Leave undergrowth,and enterscattering timber,bears NE and SW.
	Ascend.
66.00	Enter heavy timber,bears NE and SW.
79.86	The cor.of secs.28,29,32,and 33.
	Land,mountainous and level.
	Soil,sandy loam and gravelly;2nd and 4th rate.
	Timber,cedar and pinon pine.
	Undergrowth,sage brush and greasewood.
	Good grassfor grazing.
	Mountainous or heavily timbered land,or land covered with dense undergrowth,79.86 chs.
	June 16,1904:At this cor.I set off 23° 28'N.,on the decl. arc;and at 6 h 2 m p.m.,l.m.t.,I observe the sun on the meridian,the resulting lat.is 40° 01'N.,which is the proper lat.nearly.

N.0° 3'W.,bet.secs.28 and 29.

Over mountainous land;through heavy timber.

Descend.

8.00 Bottom of hollow,100 ft.below sec.cor.,c course S.80° E.

Ascend .

27.00 Top of spur,800 ft.above hollow,bears NE.and SW.

Descend .

40.00 Set a white shale stone,16x14x3 ins.,11 ins.in the ground,for ¼ sec.cor.,marked ¼ on W.face;from which

A red pine,7 ins.diam.,bears S.15° E.,75 lks.dist.,marked ¼ S 28 B T.

Subdivision of T.5 S.,R.6 W.-Continued.

Chains	
	A red pine ,12 ins.diam.,bears S.20° W.,110 lks.dist.,marked ¼ S 29 B T.
43.50	Bottom of draw,700 ft.below spur,course N.60° E.
	There is a seep of water in the bottom at this point but it does not run.
	Ascend .
79.50	Top of divide ridge bet.left hand fork of Indian Canon and Indian Canon,900 ft.above draw,bears E.and S.60° W.Deasend.
80.00	Set a sandstone,18x12x4 ins.,12 ins.in the ground,for cor.of secs. 20 ,21,28,and 29,marked with 2 notches on S.and 4 notches on E.edges;from which
	A red pine,8 ins.diam.,bears N.51° E.,102 lks.dist.,marked T 5 S R 6 W S 21 B T.
	A cedar,6 ins.diam.,bears S.60° E.,69 lks. dist.,marked T 5 S R 6 W S 28 B T.
	A pinon pine,11 ins.diam.,bears S.35° W.,50 lks.dist.,marked T 5 S R 6 WS 29 B T.
	A red pine,5 ins.diam.,bears N.71° W.,60 lks.dist.,marked T 5 S R 6 W S 20 B T.
	Land,mountainous .
	Soil,gravelly and rocky;3rdand 4th rate.
	Timber,pinon pine,red pine and cedar.
	Good grass for grazing.
	Mountainous or heavily timbered land,80.00 chs.

	N.89° 57'E.,on a random line bet.secs.21 and 28.
40.00	Set temp.¼ sec.cor.
79.80	Intersect N.and S.line,23 lks.S.of the cor.of secs. 21,22,27,and 28.
	Thence I run
	S.89° 47'W.,on a true line bet.secs.21 and 28.
	Over mountainous land;through scattering undergrowth.

Subdivision of T.5 S.,R.6 W.-Continued.

Chains	
	Ascend .
7.00	Foot of perpendicular ledge,50 ft.high,bears NE and SW.
	Enter scattering timber,bears NE and SW.
39.90	Set a sandstone,18x12x5 ins.,12 ins.in the ground,for ¼ sec.cor.,marked ¼ on N.face;from which
	A pinon pine,16 ins.diam.,bears N.3° E.,65 lks.dist.,marked ¼ S 21 B T.
	A pinon pine,14 ins.diam.,bears S.6° E.,42 lks.dist.,marked ¼ S 28 B T.
44.00	Top of ridge,500 ft.above sec.cor.,bears N.and S.
	Descend .
52.50	Bottom of hollow,300 ft.below ridge,course S.30° E.
	Ascend .
72.00	Top of divide ridge bet.left hand fork of Indian Canon and Indian Canon,500 ft.above hollow,bears N.60° E. and S.80° W.
	Descend .
79.80	The cor.of secs.20,21,28,and 29.
	Land,mountainous.
	Soil,gravelly;3rd rate.
	Timber,cedar and pinon pine.
	Undergrowth,sage brush.
	Good grass for grazing.
	Mountainous land,79.80 chs.

June 16,1904.

June 17,1904:At 7 h 2 m a.m.,l.m.t.,I set off 40° 02'N., on the lat.arc;23° 24'N.,on the decl.arc;and determine a meridian with the solar,at the cor.of secs.20,21,28, and 29.

Thence I run

N.0° 03'W.,bet.secs.20 and 21.

Over mountainous land;through scattering timber and

Subdivision of T 5 S .R 6 W -Continued.

Chains	
	scattering undergrowth.
	Descend .
26.50	Bottom of hollow,400 ft.below sec.cor.,course NW.
	Ascend .
30.00	Top of spur,100 ft.above hollow,bears NW and SE.
	Descend .
40.00	Set a limestone,18x11x3 ins.,12 ins.in the ground,for ¼ sec.cor.,marked ¼ on W.face;from which
	A pinon pine,5 ins.in diam.,bears S.54° E.,45 lks.dist.,marked ¼ S 21 B T.
	A pinon pine,5 ins.diam.,bears N.22° W.,22 lks.dist.,marked ¼ S 20 B T.
66.50	Foot of descent,600 ft.below spur,bears N.60° E.and S. 60° W.
	Leave timber and enter dense undergrowth,bears N.60° E. and S.60° W.
	Enter bottom of Indian Canon.
71.50	Colton-Vernal road,bears N.60° E.and S.60° W.
73.75	Leave canon bottom,bears N.60° E.and S.60° W.
	Leave undergrowth,bears N.60° E.and S.60° W.
	Ascend .
80.00	Set a sandstone, 30x20x5 ins.,22 ins.in the ground,for cor.of secs.16,17,20,and 21,marked with 3 notches on S. and 4 notches on E.edges;and raise a mound of stone, 2 ft.base,1½ ft.high,W.of cor.
	From this cor.the Raven Mining Company's ore house bears S.50° 50'W.,
	The mouth of the west tunnel bears S.44° 53'W.
	The mouth of the east tunnel bears S.43° 33'W.
	The upper end of the tramway is at the mouth of the west tunnel.
	Land,mountainous and level.
	Soil,sandy loam and gravelly;2nd and 3rd rate.
	Timber,cedar and pinon pine.
	Undergrowth,sage brush and greasewood.

Subdivision of T.5 S.R.6 W.-Continued.

Chains	
	Good grass for grazing.
	Mountainous land,or land covered with dense undergrowth
	80.00 chs.
	N.89°47'E.on a random line bet.secs.16 and 21
40.00	Set temp.$\frac{1}{4}$ sec.cor.
79.96	Intersect N.and S.line 23 lks.N.of the cor.of secs.15, 16,21,and 22;thence I run
	S.89°57'W.on a true line bet.secs.16 and 21
	Over mountainous land through heavy timber.
4.00	Top of spur 150 ft.above sec.cor.,bears N.and S.20°W.
	Descend.
15.75	Bottom of hollow,600 ft.below spur,course N.
	Ascend.
24.00	Top of spur 150 ft.above hollow bears N.and S.
	Descend.
39,98	Set a limestone 18x12x3 ins.12 ins.in the ground for $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on N.face;from which
	A pinon pine 10 ins.diam.bears S.70°E.75 lks.dist. mark d $\frac{1}{4}$ S 21 B T
	A pinon pine 12 ins.diam.bears N.50°E.80 lks.dist. marked $\frac{1}{4}$ S 16 B T
46.50	Foot of descent 900 ft.below spur bears N.60°E.and S.60° W.
	Leave timber and enter dense undergrowth bears N.60°E. and S.60°W.
	Enter bottom of canon.
54.50	Colton-Vernal road bears N.60°E.and S.60°W.
67.00	Leave canon bottom and begin ascent bears N.60°E.and S.60°W.
	Leave undergrowth bears N.60°E.and S.60°W.
79.96	The cor.of secs.16,17,20,and 21.
	Land mountainous and level.

Subdivision of T.5 S.R.6 W.-Continued.

Chains	
	Soil gravelly;3rd rate.
	Timber cedar and pinon pine.
	Undergrowth sagebrush and greasewood.
	Good grass for grazing.
	Mountainous or heavily timbered land or land covered with dense undergrowth 79.96 chs.
	June 17,1904:At this cor.I set off 23°24'N.on the decl. arc;and at 0 h.2 m.p.m.l.m.t.I observe the sun on the meridian;the resulting lat.is 40°03'N.,which is the proper lat.nearly.

N.0°03'W.bet.secs.16 and 17

	Over mountainous land;through scattering undergrowth.
	Ascend over ledges.
5.00	Top of ridge 250 ft.high bears N.70°E.and S.70°W.
11.50	Bottom of hollow 200 ft.below ridge course S.60°E.
33.50	Top of ridge 900 ft.above sec.cor.,bears N.80°W.and S. 80°E. Descend.
	Leave ledges bear NE.and SW.;enter heavy timber.
40.00	Set a sandstone 18x8x5 ins.12 ins.intthe ground for ¼ sec.cor.,marked ¼ on W.face;from which
	A cedar 8 ins.diam.bears N.80°E.55 lks.dist. marked ¼ S 16 B T
	A pinon pine 12 ins.diam.bears W.40 lks.dist. marked ¼ S 17 B T
42.50	Bottom of hollow 100 ft.below ridge course E.;ascend.
60.00	Ridge 600 ft.above hollow bears N.50°E.and S.50°W.; Descend.
70.00	Bottom of hollow,75 ft.below ridge,course N.25°E.;ascend.
80.00	Set a sandstone 16x9x6 ins.11 ins.in the ground for cor. of secs.8,9,16,and 17,marked with 4 notches on S.and E. edges;from which
	A cedar 3 ins.diam.bears S.7°W.150 lks.dist. marked T 5 S R 6 W S 17 B T

Subdivision of T.5 S.R.6 W.-Continued.

Chains.	
	A cedar 4 ins.diam.bears N.15°W.1200 lks.dist. marked T 5 S R 6 W S 8 B T
	No other [illegible] trees within limits;raise a mound of stone 2 ft.base 1½ ft.high W.of cor.
	Land mountainous.
	Soil gravelly and rocky;3rd and 4th rate.
	Timber cedar and pinon pine.
	Good grass for grazing.
	Undergrowth sagebrush.
	Mountainous or heavily timbered land 80.00 chs.
	N.89°57'E.on a random line bet.secs.9 and 16
40.00	Set temp.¼ sec.cor.
80.02	Intersect N.and S.line 5 lks.N.of the cor.of secs.9,10, 15,and 16;Thence I run
	S.89°59'W.on a true line bet.secs.9 and 16
	Over mountainous land;through heavy timber;Descend.
2.50	Top of spur 20 ft.above sec.cor.,bears N.20°W.and S.20°E. Descend.
6.00	Bottom of hollow 25 ft.below spur course S.30°E. Ascend.
15.50	Top of ridge 70 ft.above hollow bears NW.and SE. Descend.
25.00	Bottom of hollow 60 ft.below spur,course SE. Ascend.
32.00	Top of ridge 100 ft.above hollow bears N.30°E.and S.30° W.;descend.
40.01	Set a sandstone 18x18x4 ins.12 ins.in the ground for ¼ sec.cor.,marked ¼ on N.face;from which
	A cedar 9 ins.diam.bears N.10°E.45 lks.dist. marked ¼ S 9 B T
	A cedar 8 ins.diam.bears S.20°E.45 lks.dist. marked ¼ S 16 B T

Subdivision of T.5 S.R.6 W.-Continued

Chains.	
45.00	Ridge 100 ft.above hollow bears N.50°W.and S.50°E. Desc.
59.50	Bottom of hollow 100 ft.below ridge course.N.20°E.
	Ascend.
63.50	Ridge 60 ft.above hollow bears N.70°W.and S.70°E.
	Descend.
76.00	Bottom of hollow 100 ft.below ridge course S.10°W.
	Ascend.
80.02	The cor.of secs.8,9,16,and 17.
	Land mountainous.
	Soil gravelly;3d rate.
	Timber cedar and pinon pine.
	Good grass for grazing.
	Mountainous or heavily timbered land 80.02 chs.
	June 17,1904.

June 18,1904:At 7 h.2 m.a.m.l.m.t.I set off 40°04'N.on the lat.arc;23°26'N.on the declearc;and determine a meridian with the solar at the cor.of secs.8,9,16,and 17. Thence I run

N.0°3'W.bet.secs.8 and 9

	Over mountainous land;through scattering timber. Ascend.
7.00	Top of divide ridge between Lake and Indian Canons,200 ft.above sec.cor.;bears NE.and SW.;Descend.
36.00	Canon 400 ft.below ridge course N.50°W. Ascend side hill.
40.00	Set a sandstone 18x8x5 ins.12 ins.in the ground for ¼ sec.cor.;marked ¼ on W.face;and raise a mound of stone 2 ft.base 1½ ft.high W.of cor.
80.00	Set a sandstone 20x14x4 ins.15 ins.in the ground for cor.of secs.4,5,8,and 9;marked with 5 notches on S.and 4 notches on E.edges;from which
	A red pine 13 ins.diam.bears N.25°E.50 lks.dist. marked T 5 S R 6 W S 4 B T

Subdivision of T 5 S R 6 W -Continued

Chains	
	A pinon pine,11 ins.diam.,bears S.8 °E.,36 lks.dist.,marked T 5 S R 6 W S 9 B T.
	A pinon pine,7 ins.diam.,bears S.76°W.,27 lks.dist.,marked T 5 S R 6 W S 8 B T.
	A red pine,9 ins.diam.,bears N.17°W.,30 lks.dist.,marked T 5 S R 6 W S 5 B T.
	Land,mountainous.
	Soil,gravelly;3rd rate.
	Timber,cedar and pinon pine,and red pine.
	Good grass for grazing.
	Mountainous land,80.00 chs.

	N.89° 59'E.,on a random line bet.secs.4 and 9.
40.00	Set temp.¼ sec.cor..
80.06	Intersect N.and S.line,5 lks.N.of the cor.of secs.3,4, 9,and 10.
	Thence I run
	N.89° 59'W.,on a true line bet.secs.4 and 9.
	Over mountainous land;through heavy timber.
	Descend .
.70	Bottom of hollow,5 ft.below sec.cor.,course NW.
	Ascend .
20.00	Top of ridge,100 ft.above hollow,bears N.70°W.and S.70° E.
	Descend .
40.03	Set a sandstone,18x10x4 ins.,12 ins.in the ground,for ¼ sec.cor.,marked ¼ on N.face;from which
	A pinon pine,18 ins.diam.,bears N.2°W.,130 lks.dist.,marked ¼ S 4 B T.
	A pinon pine,16 ins.diam.,bears S.80°E.,9 lks. dist.,marked ¼ S 9 B T.
42.00	Bottom of hollow,300 ft.below ridge,course N.50°W.
	Ascend .

Subdivision of T.5 S.,R.6 W.-Continued.

Chains	
47.00	Top of spur,100 ft.above hollow,bears N.30° W.and S.30° E.
	Descend .
50.00	Bottom of hollow,150 ft.below spur,course N.30° W.
	Ascend abruptly.
70.00	Top of ridge,600 ft.above hollow,bears N.25° W.and S. 25° E.
	Descend .
80.06	The cor.of secs.4,5,8,and 9.
	Land,mountainous.
	Soil,gravelly;3rd rate.
	Timber,cedar and pinon pine,and red pine.
	Good grass for grazing.
	Mountainous or heavily timbered land,80.06 chs.
	June 18,1904:At this cor.I set off 23° 25'N.,on the decl. arc;and at 0 h 2 m p.m.,l.m.t.,I observe the sun on the meridian,the resulting lat.is 40° 05'N.,which is the proper lat.nearly.

	N.0° 03'W.,on a true line bet.secs.4 and 5.
	Over mountainous land;through heavy timber.
	Descend .
11.00	Bottom of hollow,200 ft.below sec.cor.,course NE.
	Ascend .
16.00	Top of spur,75 ft.above hollow,bears E.and W.
	Descend .
31.50	Bottom of same hollow,100 ft.below spur,course N.30° W.
	Ascend .
37.00	Top of ridge,150 ft.above hollow,bears N.35° W.and S. 35° E.
	Descend .
40.00	Set a sandstone, 15x9x5 ins.,10 ins.in the ground,for ¼ sec.cor.,marked ¼ on W.face;from which

Subdivision of T 5 S ,R 6 W -Continued.

Chains	
	A cedar,10 ins.diam.,bears S.40°E.,35 lks. dist.,marked ½ S 4 B T.
	A pinon pine,9 ins.diam.,bears N.25°W.,30 lks. dist.,marked ½ S 5 B T.
70.00	Foot of descent,600 ft.below ridge,bears NW and SE.
	Leave timber and enter dense undergrowth,bears NE and SE.
	Enter bottom of canon.
77.00	Leave canon bottom,bears N.80°W.and S.80°E.
	Leave undergrowth and enter scattering timber,bears N. 80°W.and S.80°E.
	Ascend .
79.00	Intersect 1st Standard Parallel South,13.70 chs.East of the standard cor.of secs.32 and 33,which is a sandstor 5 x8 x 8 ins.above ground,firmly set,and marked and witnessed as described by Deputies Stewart and Booth:Contract No. 270.
	Set a sandstone,14x10x4 ins.,9 ins.in the ground,for closing cor.of secs.4 and 5 ,marked C C on S.,with 4 grooves on E.and 2 grooves on W.faces;from which
	A pinon pine,4 ins.diam.,bears S.60°E.,160 lks.dist.,marked T 5 S R 6 W S 4B T .
	A pinon pine,10 ins.diam.,bears S.20°W.,40 lks.dist.,marked T 5 S R 6 W S 5 B T.
	Land,mountainous. and level.
	Soil,gravelly;3rdrate.
	Timber,cedar and pinon pine.
	Undergrowth,sage brush.
	Good grass for grazing.
	Mountainous or heavily timberedland,or land covered with dense undergrowth,79.00 chs.

June 18,1904.

June 19,1904:At 7 h 2 m a.m.,l.m.t.,I set off 40°00'N.,

Subdivision of T.5 S.,R.6 W.-Continued.

Chains	
	on the lat.arc;23° 27' N.,on the decl.arc;and determine a meridian with the solar,at the cor.of secs.5,6,31, and 32,on S.bdy.of Tp.,heretofore described.
	Thence I run
	N.0° 4'W.,bet.secs.31 and 32.
	Over mountainous land;ascend abruptly over ledges .
1.00	Top of spur,70 ft.above sec.cor.,bears E.and W.
	Descend through scattering timber.
13.00	Bottom of hollow,500 ft.below spur,course E.
	Ascend abruptly .
40.00	Set a sandstone,18x12x4 ins.,12 ins.in the ground,for ¼ sec.cor.,marked ¼ on W.face;from which
	A cedar,10 ins.diam.,bears N.80° E.,50 lks.dist.,marked ¼ S 32 B T.
	A pinon pine,8 ins.diam.,bears S.88° W.,60 lks.dist.,marked ¼ S 31 B T.
40.50	Top of spur,800 ft.above hollow,bears N.60° W.and S. 60° E. Leave ledge,bears N.60° W.and S.60° E.
	Descend .
54.90	Bottom of hollow,150 ft.below spur,course E.
	Ascend .
69.50	Top of ridge,400 ft.above hollow,bears N.60° E.and S. 60° W.
	Descend .
80.00	Set a sandstone,18x12x4 ins.,12 ins.in the ground,for cor.of secs.29,30,31,and 32,marked with 1 notch on S. and 5 notches on E.edges;from which
	A pinon pine,7 ins.diam.,bears S.49° E.,125 lks.dist.,marked T 5 S R 6 W S 32 B T.
	A red pine,7 ins.diam.,bears S.29° W.,115 lks. dist.,marked T 5 S R 6 WS 31 B T.
	No others trees within limits;raise a mound of stone, 2 ft.base,1½ ft.high,W.of cor.
	Land ,mountainous.
	Soil,gravelly;3rd rate.

Subdivision of T 5 S .R 6 W -Continued.

Chains	
	Good grass for grazing.
	Timber,cedar,pinon pine,and red pine.
	Mountainous land,80.00 chs.
	S.89°59'E.,on a random line bet.secs.29 and 32.
40.00	Set temp.¼ sec.cor.
80.18	Interset N.and S.line,3 lks.N.of the cor.of secs.28,29, 32,and 33.
	Thence I run
	N.89°58'W.,on a true line bet.secs.29 and 32.
	Over mountainous land;through heavy timber.
	Ascend .
8.00	Top of spur,300 ft.above sec.cor.,bears N.70°W.and S. 70°E.
	Descend .
20.00	Bottom of hollow ,250 ft.below spur,course S.20°E.
	Ascend .
40.09	Set a sandstone,24x12x4 ins.,18 ins.in the ground,for ¼ sec.cor.,marked ¼ on N.face;from which
	A pinon pine,16 ins.diam.,bears N.41°E.,45 lks.dist.,marked ¼ S 29 B T.
	A pinon pine,14 ins.diam.,bears S.45 lks.dist. marked ¼ S 32 B T.
54.50	Top of ridge,500 ft.above hollow,bears N.60°E.and S. 60°W.
	Descend .
59.60	Leave heavy and enter scattering timber,bears NE and SW.
80.18	The cor.of secs.29,30,31,and 32.
	Land,mountainous.
	Soil,gravelly;3rd rate.
	Timber,cedar,pinon pine,and red pine.
	Good grass for grazing.

Subdivision of T 5 S ,R 6 W -Continued

Chains	
	Mountainous or heavily timberedland,80.18 chs.
	June 19,1904:At this cor.I set off 23° 26'N. ,on the decl. arc;and at 0 h 2 m p.m. ,l.m.t.,I observe the sun on the meridian,the resulting lat.is 40° 01'N.,which is the proper lat.nearly.
	N.89° 59'W.,on a random line bet.secs.30 and 31.
40.00	Set temp.¼ sec.cor.,
78.88	Intersect W.bdy.of Tp.,12 lks.S.of the cor.of secs. 25,30,31,and 36,heretofore described.
	Thence I run
	S.89° 54'E.,on a true line bet.secs.30 and 31.
	Over mountainous land;through scattering timber.
	Ascend .
3.00	Top of ridge,75 ft.above sec.cor.,bears N.and S.
	Descend .
12.00	Bottom of hollow,400 ft.below ridge,course N.
	Ascend .
38.88	A pinon pine,5 ins.diam.,for ¼ sec.cor.,I mark ¼ S 30 on N.side,and 31 on S.side;from which
	A pinon pine,5 ins.diam.,bears N.80°E.,60 lks.dist.,marked ¼ S 30 B T.
	A pinon pine,6 ins.diam.,bears S.18°W.,80 lks.dist.,marked ¼ S 31 B T.
40.00	Top of divide ridge bet.left hand fork of Indian Canon and Indian Canon,600 ft.above hollow,bears N.60°E.and S.60° W.
	Descend .
48.00	Leave timber,bears NE and SW.
56.00	Bottom of hollow,300 ft.below ridge,course N.75°E.
	Continue descent along side hill.
78.88	The cor.of secs.29,30,31,and 32.

Subdivision of T.5 S.,R.6 W.-Continued.

Chains	
	Land,mountainous.
	Soil,gravelly;3rd rate.
	Timber,cedar and pinon pine.
	Good grass for grazing.
	Mountainous land,78.88 chs.

	N.0° 4'W.,bet.secs.29 and 30.
	Over mountainous land;through scattering timber.
	Descend .
2.00	Bottom of hollow,20 ft.below sec.cor.,course N.80 °E.
	Ascend .
4.00	Enter heavy timber,bears N.80° E.and S.80° W.
20.00	Top of divide ridge bet.left hand forks of Indian Canon and Indian Canon,350 ft.above hollow,bears N.60° E.and S.60° W. Leave heavy and enter scattering timber.
	Descend.
40.00	Set a white shale stone,16x15x4 ins.,11 ins.in the ground,for ¼ sec.cor.,marked ¼ on W.face;from which
	A red pine,8 ins.diam.,bears S.75° E.,35 lks. dist.,marked ¼ S 29 B T.
	A red pine,7 ins.diam.,bears S.88° W.,60 lks. dist.,marked ¼ S 30 B T.
80.00	Bottom of hollow,1000 ft.below ridge,course N.15° W.
	Set a shale stone,20x12x4 ins.,15 ins.in the ground,for cor.of secs.19,20,29,and 30,marked with 2 notches on S. and 5 notches on E.edges;and raise a mound of stone, 2 ft.base,1½ ft.high,W.of cor.
	Land,mountainous.
	Soil,gravelly;3rd rate.
	Timber,cedar,pinon pine,and red pine.
	Good grass for grazing.
	Mountainous or heavily timbered land,80.00 chs.

June 19,1904.

Subdivision of T 5 S .R 6 W -Continued

Chains	
	June 20,1904:At 7 h 1 m a.m.,l.m.t.,I set off 40° 02' N.on the lat.arc;23° 18' N.on the decl.arc;and determine a meridian with the solar,at the cor.of secs.19,20,29, and 30.
	Thence I run
	S.89° 58'E.,on a random line bet.secs.20 and 29.
40.00	Set temp.¼ sec.cor.
80.56	Intersect N.and S.line,5 lks.N.of the cor.of secs.20, 21,28,and 29.
	Thence I run
	N.89° 56' W.,on a true line bet.secs.20 and 29.
	Over mountainous land,through heavy timber,
	Ascend gradually.
2.50	Top of spur,10 ft.above sec.cor.,bears N.20° W.and S. 20° E.
	Descend.
15.00	Bottom of hollow,250 ft.below spur,course N.20° W.
	Ascend.
23.50	Top of spur,200 ft.above hollow,bears NW and SE.
	Descend.
37.10	Bottom of draw,400 ft.below spur,course N.20° W.
	Ascend.
40.18	A red cedar,10 ins.diam.,for ¼ sec cor.,1 mark ¼ S20 on N.side and 29 on S.side;from which
	A cedar,8 ins.diam.,bears N.27° E.,36 lks. dist.,marked ¼ S 20 B T.
	A pinion pine,6 ins.diam.,bears S.,21 lks. dist.marked ¼ S 29 B T.
50.00	Top of spur,400 ft.above draw,bears N.and S.
	Descend.
57.00	Bottom of hollow,100 ft.below spur,course N.20° E.
	Ascend ,

Subdivision of T.5 S.,R.6 W.-Continued.

Chains	
80.50	Top of spur,100 ft.above holler,bears N.and S.
	Descend .
80.36	Point 600 ft.below spur.
	Thecor.of secs.19,20,29,and 30.
	Land,mountainous.
	Soil,gravelly;3rd rate.
	Timber,cedar and pinon pine and red pine.
	Good grass for grazing.
	Mountainous or heavily timbered land,80.36 chs.

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

40.00	Set temp.¼ sec.cor.
78.78	Intersect W.bdy.of Tp.,16 lks.S.of the cor.of secs. 19,24,25,and 30,heretofore described.
	Thence I run
	S.89° 47'E.,on a true line bet.secs.19 and 30.
	Over mountainous land;through scattering timber.
	Descend.
17.20	Foot of descent,300 ft.below sec.cor.,bears NE and SW.
	Leave timber and enter dense undergrowth,bears NE and SW.
	Enter bottom of Indian Canon.
27.00	Colton -Vernal road,bears NE and SW.
34.70	Stream of good water,3 lks.wide,2 ins.deep,course NE.
36.20	Leave canon bottom,bears NE and SW.
	Leave undergrowth,bears NE and SW.
	Ascend .
38.78	Set a sandstone,18x14x4 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.
52.10	Top of spur,150 ft.above canon,bears N.and S.
	From this point the boarding house belonging to the

Subdivision of T.5 S.,R.6 W.-Continued.

Chains	
	Raven Mining Company bears N.35°E.,about 21.00 chs.dist.
	The office building belonging to the same company bears N.37°40'E. about 20.50 chs.dist.
	There are about eight tents and some out buildings grouped around these buildings.
	Descend .
56.00	Bottom of hollow,100 ft.below spur,course N.
	Ascend .
58.50	Enter scattering timber,bears N.and S.
71.00	Top of spur,700 ft.above hollow,bears N.20°W.and S.20°E.
	Enter heavy timber,bears N.20°W.and S.20°E.
	Descend .
78.78	To point 250 ft.below spur.
	The cor.of secs.19,20,29,and 30.
	Land,mountainous and level.
	Soil,sandy loam and gravelly and rocky;2nd.,3rd ,and 4th rate.
	Timber,cedar pinon pine,and red pine.
	Undergrowth,sage brush.
	Good grass for grazing.
	Mountainous or heavily timbered land,or land covered with dense undergrowth,78.78.chs.
	June 20,1904:At this cor.I set off 23°27'N.,on the decl. arc;and at 0 h 2 m p.m.,l.m.t.,I observe the sun on the meridian,the resulting lat.is 40°02'N.,which is the proper lat.nearly.
	½
	N.0°4'W.,bet.secs.19 and 20.
	Over mountainous land;through scattering timber.
	Descend along east side of hollow.
15.00	Drag road leading to the Raven Company's elaterite mine, bears NE and SW.

Subdivision of T.5 S.,R.6 W.-Continued.

Chains	
	Leave timber,bears NE and SW.
23.00	Foot of descent,250 ft.below sec.cor.,bears NE and SW.
	Enter dense undergrowth,bears NE and SW.
	Enter bottom of Indian Canon.
28.25	Colton-Vernal road,bears N.60° E.and S.60° W.
40.00	Set a shale stone,16x14x4 ins.,11 ins.in the ground,for ¼ sec.cor.,marked ¼ on W.face;and raise a mound of stone 2 ft.base,1½ ft.high,W.of cor.
	Leave canon bottom,bears SE and SW.
	Leave undergrowth,bears SE and SW.
	Ascend.
47.00	Enter ledges,from 20 to 50 ft.high,,bears E.and W.
47.50	Enter scattering timber,bears E.and W.
60.00	Leave ledges,bears E.and W.
	Enter heavy timber,bears E.and W.
80.00	Set a sandstone,16x8x5 ins.,11 ins.in the ground,for cor.of secs.17,18,19,and 20,marked with 3 notches on S. and 5 notches on E.edges;from which

A pinon pine,18 ins.diam.,bears N.41° E.,25 lks.dist.,marked T 5 S R 6 W S 17 B T.

A pinon pine,8 ins.diam.,bears S.50° E.,39 lks.dist.,marked T 5 S R 6 W S 20 B T.

A pinon pine,16 ins.diam.,bears S.43° W.,29 lks.dist.,marked T 5 S R 6 W S 19 B T.

A pinon pine,10 ins.diam.,bears N.42° W.,60 lks.dist.,marked T 5 S R 6 W S 18 B T.

Land,mouutainous and leved.

Soil,gravelly loam and rocky;2nd and 4th rate.

Timber,cedar,pinon pine,and red pine.

Undergrowth,sage brush and greasewood.

Good grass for grazing.

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

Subdivision of T.5 S.;R.6 W.=Continued.

Chains	
	S.89° 56'E.,on a random line bet.secs.17 and 20.
40.00	Set temp.¼ sec.cor.
80.14	Intersect N.and S. 5 lks.S.of the cor.of secs.16,17, 20,and 21.
	Thence I run
	N.89° 58'W.,on a true line bet.secs.17 and 20.
	Over mountainous land;through scattering undergrowth.
	Ascend over ledges.
15.00	Leave ledges,bears N.80° E.and S.60° W.
35.75	Top of ridge,1200 ft.above sec.cor.,bears N.20° W.and S. 20° E. Enter heavy timber,bears N.20° W.and S.20° E.
	From this point the mouth of west tunnel of the Raven Company's elaterite mine bears S.21° 25'W.
	The mouth of east tunnel bears S.16° 27'W.
	The ore house bears S.25° W.
	Descend .
40.07	Set a sandstone,16x12x5 ins.,11 ins.in the ground,for ¼ sec.cor.,marked ¼ on N.face;from which
	A cedar 10 ins.diam.bears N.55°30'E.22, lks.dist.,marked ¼ S 17 B T.
	A cedar 10 ins.diam.bears S.53°E. 30 , lks.dist.,marked ¼ S 20 B T.
62.00	Bottom of hollow,600 ft.below ridge,course S.20° E.
	Ascend abruptly.
80.14	The cor.of secs.17,18,19,and 20.
	Land,mountainous.
	Soil,gravelly and rocky;3rd and 4th rate.
	Timber,cedar and pinon pine.
	Good grass for grazing.
	Mountainous or heavily timbered land,80.14 chs.

June 20,1904.

Subdivision of T.5 S.,R.6 W.-Continued.

Chains	
	June 21,1904:At 7 h 2 m a.m.,l.m.t.,I set off 40°03'N.,on on the lat.arc;23°28'N.,on the decl.arc;and determined a meridian with the solar,at the cor.of secs.17,18,19, and 20.
	Thence I run
	N.89°47'W.,on a random line bet.secs.18 and 19.
40.00	Set temp.¼ sec.cor.
78.90	Intersect W.bdy.of Tp.,12 lks.S.of the cor.of secs. 13,18,19,and 24,heretofore described.
	Thence I run
	S.89°42'E.,on a true line bet.secs.18 and 19.
	Over mountainous land;through heavy timber.
	Ascend .
18.00	Top of ridge,100 ft.above sec.cor.,bears N.and S.
	Descend .
22.00	Bottom of hollow,250 ft.below ridge,course N.
	Ascend .
38.90	Top of ridge,250 ft.above hollow,bears N.and S.
	Set a sandstone,16x8x7 ins.,11 ins.in the ground,for ¼ sec.cor.,marked ¼ on N.face;from which
	A pinon pine,10 ins.diam.,bears N.24°W.,32 lks.dist.,marked ¼ S 18 B T.
	A red pine,16 ins.diam.,bears S.2°E.,15 lks.dist.,marked ¼ S 19 B T.
65.00	Bottom of hollow,200 ft.below ridge,course N.
	Ascend .
72.00	Top of divide ridge between Lake and Indian Canons,250 ft.above hollow,bears N.20°E.and S.40°W.
	Descend .
78.90	The cor.of secs.17,18,19,and 20.
	Land,mountainous.
	Soil,gravelly;3rd rate.
	Timber,cedar,pinon pine,and red pine .
	Good grass for grazing.

Subdivision of T 5 S R 6 W -Continued.

Chains	
	Mountainous or heavily timbered land,78.90 chs.
	N.0° 4'W.,bet.secs.17 and 18.
	Over mountainous land;through heavy timber.
	Ascend .
14.00	Top of divide ridge,between Lake and Indian Canons, 250 ft.above sec.cor.,bears N.45° E.and S.45° W.
	Descend .
25.00	Bottom of hollow,300 ft.below ridge,course NW.
	Ascend .
33.00	Top of spur,100 ft.above hollow,bears N.70° W.and S.70° E
	Descend .
38.00	Bottom of hollow,200 ft.below ridge,course N.65° W.
	Ascend .
40.00	Set a sandstone,15x9x4 ins.,10 ins.in the ground,for ¼ sec.cor.,marked ¼ on W.face;from which
	A pinon pine,12 ins.diam. bears S.52° E.,75 lks.dist.,marked ¼ S 17 B T.
	A pinon pine,10 ins.diam.,bears S.18° W.,80 lks.dist.,marked ¼ S 18 B T.
54.00	Top of ridge,180 ft.above hollow,bears N.80° W.and S. 80° E. Descend .
70.00	Bottom of hollow,100 ft.below ridge,course N.80° W.Ascend
80.00	Set a sandstone,16x14 x4 ins.,11 ins.in the ground,for cor.of secs.7,8,17,and 18,marked with 4 notches on S. and 5 notches on E.edges;from which
	A pinon pine,6 ins.diam.,bears N.42° E.,49 lks.dist.,marked T 5 S R 6 W S 8 B T.
	A pinon pine,8 ins.diam.,bears S.40° E.,39 lks.dist.,marked T 5 S R 6 W S 17 B T.
	A cedar,7 ins.diam.,bears S.54° W.,75 lks. dist.,marked T 5 S R 6 W S 18 B T.
	A pinon pine,11 ins.diam.,bears N.36° W.,68

Subdivision of T 5 S .R 6 W -Continued.

Chains	
	lks.dist.,marked T 5 S R 6 W S 7 B T.
	Land,mountainous.
	Soil,gravelly;3rd rate.
	Timber,cedar and pinon pine and red pine.
	Good grass for grazing.
	Mountainous or heavily timbered land,80.00 chs.
	June 21,1904:At this cor.I set off 23° 27'N.,on the decl. arc;and at 0 h 2 m p.m.,l.m.t.,I observe the sun on the meridian,the resulting lat.is 40° 04'N.,which is the proper lat.nearly.

	S.89° 58'E.,on a random line bet.secs.8 and 17.
40.00	Set temp.¼ sec. cor.
79.98	Intersect N.and S.line,19 lks.N.of the cor.of secs. 8,9,16,and 17.
	Thence I run
	N.89° 50'W.,on a true line bet.secs.8 and 17.
	Over mountainous land;through heavy timber.
	Ascend .
12.00	Top of ridge,150 ft.above sec.cor.,bears N.30° E.and S. 30° W.This is divide between Lake and Indian Canons.
	Descend .
16.50	Bottom of hollow,100 ft.below ridge,course N.25° E.
	Ascend .
39.99	Top of ridge,200 ft.above hollow,bears N.20° E.and S. 20° W.
	A pinon pine,4 ins.diam.,for ¼ sec.cor.,I mark ¼ S 8 on N.side,and 17 on S.side;from which
	A red pine,14 ins.diam.,bears N.10° E.,148 lks.dist.,marked ¼ S 8 B.T.
	A cedar,13 ins.diam.,bears S.30° E.,50 lks. dist.,marked ¼ S 17 B T.
60.00	Bottom of hollow,500 ft.below ridge,course NW.
	Ascend .

Subdivision of T 5 S R 6 W -Continued

Chains	
76.50	Top of spur,100 ft.above hollow,bears N.60° W.and S.60° E.
	Descend .
79.98	The cor.of secs.7,8,17,and 18.
	Land,mountainous.
	Soil,gravelly;3rd rate.
	Timber,cedar and pinon pine and red pine.
	Good grass for grazing.
	Mountainous or heavily timbered land,79.98 chs.
	N.89° 42'W.,on a random line bet.secs.7 and 18.
40.00	Set temp.¼ sec.cor.
78.94	Intersect W.bdy.of Tp.,21 lks.N.of the cor.of secs.7, 12,13,and 18,heretofore described.
	Thence I run
	S.89° 51'E.,on a true line bet.secs.7 and 18.
	Over mountainous land;through heavy timber.
	Ascend .
14.00	Top of ridge,100 ft.above sec.cor.,bears N.30° E.and S. 30° W.Leave heavy and enter scattering timber .
	Descend .
38.94	Set a shale stone,16x12x3 ins.,11 ins.in the ground,for ¼ sec.cor.,marked ¼ on N.face;from which
	A pinon pine,14 ins.diam.,bears S.60° W.,100 lks.dist.,marked ¼ S 18 B T.
	No other tree within limits;raise a mound of stone, 2 ft.base,1½ ft.high,N.of cor.
58.50	Bottom of canon,800 ft.below ridge,course N.30° E. Ascend .
70.00	Enter heavy timber,bears N.and S.
78.94	The cor.of secs.7,8,17,and 18.
	Land,mountainous.
	Soil,gravelly;3rd rate.

Subdivision of T.5 S. R.6 W.-Continued.

Chains	
	Timber,cedar and pinon pine.
	Good grass for grazing.
	Mountainous or heavily timberedland,78.94 chs.
	June 21,1904.

June 22,1904:At 7 h 3 m a.m.,l.m.t.,I set off 40° 04'N., on the lat.arc;and 23° 28'N.,on the decl.arc;and determine a meridian with the solar,at the cor.of secs.7,8,17,and 18.

Thence I run

N.0° 4'W.,bet.secs.7 and 8.

Over mountainous land;through heavy timber.

Ascend.

4.00 Top of ridge,100 ft.above sec.cor.,bears N.80° W.and S. 80° E.

Descend .

15.00 Bottom of hollow,200 ft.below ridge,course N.80° W.

Continue descent along side of canon.

40.00 Set a shale stone,20x16x4 ins.,15 ins.in the ground,for ¼ sec.cor.,marked ¼ on W.face;from which

A cedar,13ins.diam. .,bears S.80° E.,44 lks. dist.,marked ¼ S 8 B T.

A pinon pine,16 ins.diam.,bears S.75° W.,66 lks.dist.,marked ¼ S 7 B T.

67.00 Foot of descent,500 ft.below hollow,bears N.10° E.and S. 10° W.

Leave timber and enter dense undergrowth,bears N.10° E. and S.10° W.

Enter bottom of canon.

80.00 Set a limestone,20x12x6 ins.,15 ins.in the ground,for cor.of secs.5,6,7,and 8.,marked with 5 notches on S.,and E.edges;and raise a mound of stone,2 ft.base,1½ ft.high, W.of cor.

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Subdivision of T.5 S.,R.6 W.-Continued.

Chains	
	Land,mountainous.
	Soil,gravelly;3rd rate.
	Timber,cedar and pinon pine.
	Undergrowth,sage brush.
	Good grass for grazing.
	Mountainous or heavily timbered land,or land covered with dense undergrowth,80.00 chs.
	S.89° 50'E.,on a random line bet.secs.5 and 8.
40.00	Set temp.¼ sec.cor.
80.20	Intersect N.and S.line,16 lks.S.of the cor.of secs.4,5, 8,and 9.
	Thence I run
	N.89° 57'W.,on a true line bet.secs.5 and 8.
	Over mountainous land;through heavy timber.
	Descend .
3.50	Bottom of hollow,200 ft.below sec.cor.,course N.30° E.
	Ascend .
12.00	Top of ridge,100 ft.above hollow,bears N.15° W.and S.15° W.
	Descend .
40.10	Set a sandstone,18x16x6 ins.,12 ins.in the ground,for ¼ sec.cor.,marked ¼ on N.face;from which
	A pinon pine,14 ins.diam.,bears N.80° W.,36 lks.dist.,marked ¼ S 5 B T.
	A pinon pine,13 ins.diam.,bears S.85° W.,30 lks.dist.,marked ¼ S 8 B T.
46.25	Bottom of hollow,400 ft.below ridge,course N.70° W.
	Ascend .
62.75	Top of spur,300 ft.above hollow,bears N.30° W.and S.30° E.
	Descend .
75.00	Leave timber,bears N.and S.
79.25	Foot of descent,350 ft.below spur,bears N.and S.
	Enter dense undergrowth,bears N.and S.

Subdivision of T.5 S.-R 6 W -Continued.

Chains	
	Enter bottom of canon.
80.20	The cor.of secs.5,6,7,and 8.
	Land,mountainous and level.
	Soil,gravelly;3rd rate.
	Timber,cedar and pinon pine.
	Undergrowth,sage brush.
	Good grass for grazing.
	Mountainous or heavily timbered land,or land covered with dense undergrowth,80.20 chs.
	June 22,1904:At this cor.I set off 22°27'N.,on the decl. arc;and at 0 h 2 m p.m.,l.m.t.,I observe the sun on the meridian,the resulting lat.is 40°05'N.,which is the proper lat.nearly.
	N.89°51'W.,on a random line bet.secs.6 and 7.
40.00	Set temp.¼ sec.cor.
78.98	Intersect W.bdy.of Tp.19 lks.N.of the cor.of secs. 1,6,7,and 12,heretofore described.
	Thence I run
	S.89°59'E.,on a true line bet.secs.6 and 7.
	Over mountainous land;through dense undergrowth.
	Descend
2.25	Foot of descent,125 ft.below sec.cor.,bears NE and SW.
	Enter bottom of Lake Canon.
37.00	Leave canon bottom,bears N.70°E.and S.70°W.
	Leave undergrowth,bears N.70°E.and S.70°W.
	Ascend
38.98	Set a sandstone,14x10x5 ins.,9 ins.in the ground,for ¼ sec.cor.,marked ¼ on N.face;and raise a mound of stone,2 ft.base,1½ ft.high,N.of cor.
50.00	Enter scattering timber,bears N.and S.
67.50	Top of ridge,200 ft.above canon,bears N.and S.
	Leave timber,bears N.and S.

Subdivision of T.5 S. R.6 W.-Continued.

Chains	
74.00	Foot of descent,150 ft.below ridge,bears N.and S.
	Enter dense undergrowth,bears N.and S.
	Enter bottom of canon.
78.98	The cor.of secs.5,6,7,and 8.
	Land,mountainous and level.
	Soil,sandy loam and gravelly;2nd and 3rd rate.
	Timber,cedar and pinon pine.
	Undergrowth,sage brush.
	Good grass for grazing.
	Mountainous land,or land covered with dense undergrowth, 78.98 chs.

	N.0°4'W.,on a true line bet.secs.5 and 6.
	Over level canon bottom,through dense undergrowth.
10.00	Leave canon bottom,bears N.60°W.and S.60°E.
	Leave undergrowth and enter scattering timber,bears N.60 W.and S.60°E.
	Ascend .
28.50	Top of spur,250 ft.above canon,bears N.80°W.and S.80°E.
	Descend .
35.50	Foot of descent,300 ft.below spur,bears NE and SW.
	Leave timber and enter dense undergrowth,bears NE and SW.
	Enter bottom of Lake Canon.
40.00	Set a limestone,14x14x4 ins.,9 ins.in the ground,for ¼ sec.cor.,marked ¼ on W.face;and raise a mound of stone, 2 ft.base,1½ ft.high,W.of cor.
48.00	Leave canon bottom,bears NE and SW.
	Leave undergrowth and enter scattering timber,bears NE and SW.
	Ascend .
70.00	Enter heavy timber,bears E.and W.

Subdivision of T 5 S R 6 W.-Continued.

Chains

79.07 Intersect 1st Standard Parallel South,13.40 chs.East of the standard cor.of secs.31 and 32,which is a sandstone, 5x10x5 ins.,above ground,firmly set,and marked and witnessed as described by Deputies Stewart and Booth:Contract No. 270.

Set a sandstone,22x8x4 ins.,16 ins.in the ground,for closing cor.of secs.5 and 6,marked C C on S.,with 5 grooves on E.and 1 groove on W.faces;from which

A pinon pine,12 ins.diam.,bears S.32° 30'E., 53 lks.dist.,marked T 5 S R 6 W S 5 B T.

A pinon pine,18 ins.diam.,bears S.38° W.,30 lks.dist.,marked T 5 S R 6 W S 6 B T.

Land,mountainous.and level.

Soil,sandy and gravelly loam and rocky;2nd and 4th rate.

Timber,cedar and pinon pine.

Undergrowth,sage brush.

Good grass for grazing.

Mountainous or heavily timbered land,or land covered with dense undergrowth,79.07 chs.

June 22,1904.

GENERAL DESCRIPTION.

This township is entirely mountainous and very rough, and the soil ranges from sandy loam to rocks.The soil of the canon bottoms is generally sandy loam;2nd rate,and the remaining portion of the township is generally gravelly;3rd rate.

There is quite a heavy growth of cedar ,pinon pine and red pine timber nearly all over the township.

There is some water in both forks of Indian Canon,but not sufficient for much irrigation .

There are no settlers in the township except those work-

Subdivision of T 5 S R 6 W -Concluded

Chains ing at the Raven Mining Company's property in sec.20.

There are about thirty persons living at this mining camp in sec.19.

There is sufficient elaterite, in secs.19 and 20, in my oponion, to classify the same as mineral lands.

The wagon road from Colton to Vernal passes through the twonship from southwest to northeast in bottom of Indian Canon.

John R. Stewart

U.S. Deputy Surveyor.

June 22, 1904.

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by John R. Stewart and Andy J. Stewart, United States Deputy Surveyors, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the survey of the subdivision of T. 5 S., R. 3 W.; T. 7 S., R. 4 W.; T. 7 S., R. 6 W.; and T. 5 S., R. 6 W., of the Uintah Special Base and Meridian, Utah showing the respective capacities in which they acted:

J. Franklin Duffin, *Chainman.*
Angus M. Woodbury, *Chainman.*
John T. Woodbury Jr., *Moundman.*
William Burridge, *Moundman.*
Gumby Stewart, *Axman.*
George W. Worthen, *Axman.*
Ashton S. Nebeker, *Flagman.*

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted John R. Stewart, United States Deputy Surveyor, in surveying all those parts or portions of the subdivision of T. 5 S., R. 3 W.; T. 7 S., R. 4 W.; T. 7 S., R. 6 W.; and T. 5 S., R. 6 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.

J. Franklin Duffin, *Chainman.*
Angus M. Woodbury, *Chainman.*
John T. Woodbury Jr., *Moundman.*
William Burridge, *Moundman.*
Gumby Stewart, *Axman.*
George W. Worthen, *Axman.*
Ashton S. Nebeker, *Flagman.*

Subscribed and sworn to before me this 22nd day of June 1904, ~~189~~

SEAL

John R. Stewart
U. S. Deputy Surveyor.

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FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, John R. Stewart, 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 22nd 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 subdivision of T. 5 S., R. 3 W.; T. 7 S., R. 4 W.; T. 7 S., R. 6 W.; and T. 5 S., R. 6 W., of the Uintah Special Base and

~~of the~~

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.

John R. Stewart
United States Deputy Surveyor.

Subscribed by said John R. Stewart, and sworn to before me this 8th day of August, 1904

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

SEAL

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, October 18, 1904.

The foregoing field notes of the survey of the Subdiviaion of Township No. 5 South, Range No. 6 West of the Uintah Special Base and Meridian, Utah,

executed by John R. Stewart and Andy J. Stewart under their contract No. 271, 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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BOOK A-309

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FIELD NOTES

of the retracement and resurvey of the

NORTH AND WEST BOUNDARIES

of

Township No.4 South Range N.2 West

Of the UINTAH SPECIAL BASE AND *Meridian,*

STATE OF UTAH

AS SURVEYED BY

John R.Stewart and Andy J.Stewart, *United States Deputy Surveyors*

Under their *Contract No.* 271, *dated* July 22,1903.

Survey commenced July 7,1904.

Survey completed July 10,1904.

W Bdy Res Com 3.70 28
W " Retract 1 01.00
Bldg 15 56
N Bdy Res Com 5.01.10
N " " high 79.50

BOOK A-309

NAMES AND DUTIES OF ASSISTANTS.

J. Frank Hoyt	Chainman
John H. Kienke	Chainman
Harry R. Booth	Moundman
Elmer A. Jacobs	Moundman
George T. Littley	Axman
Bert Carter	Axman
Arthur Harris	Flagman

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#
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Meanders Page.....

PRELIMINARY OATHS OF ASSISTANTS.

WE, J. Frank Hoyt and John H. Kienke 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~~ retracement and resurvey of the N. and W. bdrs. of T. 4 S., R. 2 W.; and T. 4 S. R. 3 W., of the Uintah Special Base and Meridian Utah.

J. Frank Hoyt, Chainman.

John H. Kienke, Chainman.

Subscribed and sworn to before me this 16th day of May 1904, 189

SEAL

Andy J. Stewart
U. S. Dep. Sur.

WE, Harvey R. Booth and Elmer A. Jacobs do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the ~~survey of~~ retracement and resurvey of the N. and W. bdrs. of T. 4 S., R. 2 W.; and T. 4 S., R. 3 W., of the Uintah Special Base and Meridian, Utah

Harvey R. Booth, Moundman.

Elmer A. Jacobs, Moundman.

Subscribed and sworn to before me this 16th day of May 1904, 189

SEAL

Andy J. Stewart
U. S. Dep. Sur.

WE, George T. Littley and Bert Carter 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~~ retracement and resurvey of the N. and W. bdrs. of T. 4 S., R. 2 W.; and T. 4 S. R. 3 W., of the Uintah Special Base and Meridian, Utah

George T. Littley, Axman.

Bert Carter, Axman.

Subscribed and sworn to before me this 16th day of May 1904, 189

SEAL

Andy J. Stewart
U. S. Dep. Sur.

I, Arthur Harris, do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the ~~survey of~~ retracement and resurvey of the N. and W. bdrs. of T. 4 S., R. 2 W.; and T. 4 S., R. 3 W., of the Uintah Special Base and Meridian Utah.

Arthur Harris, Flagman.

Subscribed and sworn to before me this 16th day of May 1904, 189

SEAL

Andy J. Stewart
U. S. Dep. Sur.

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Retracement N.bdy.T.4 S.,R.2 W.

Survey commenced July 7,1904,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 mer.at Salt Lake City,found correct,and was approved by the surveyor general for Utah,on August 21,1903.

I examine the adjustments of the instrument,and correct the level and collimation errors; then,to test the solar apparatus by comparing its indications resulting from solar observations made during p.m.and a.m.hours,with a mer.established by obsn.on Pol.,I proceed as follows:

At the cor.of Tps.3 and 4.S.,Rs.1 and 2 W.,latitude 40° 10'41"N.,longitude 110° 5'42"W.,I set off 40° 11'N.,on the lat.arc;22° 35'N.,on the decl.arc;and at 5 h 2 m p.m.,l.m.t.,I determine a mer.with the solar,and mark a point thereof on a stone firmly set in the ground,5.00 chs. N.of the cor.

July 7,1904.

July 8,1904:At 0 h 25 m a.m.,l.m.t.,I obs.Pol.at eastern elong.in accordance with the Manual,and mark a point in the line thus determined,on a peg driven in the ground, 5.00 chs.N.of the cor.

At 6 h 29 m a.m.,l.m.t.,I lay off the azimuth of Pol.1° 34.4'to the west,and mark the mer.thus determined,by cutting a small groove in the stone already set 5.00 chs.N.of the cor.;this mark falls 0.42 ins.east of the mark determined with the solar.

At 7 h 2 m a.m.,l.m.t.,I set off 40° 11'N.,on the lat.arc; 22° 31'N.,on the decl.arc;and mark the mer.determined with the solar,by a cross on the stone already set 5.00 chs.

Retracement North boundary T.4 S.,R.2 W.-Continued.

Chs. N.of the cor.;this mark falls 0.4 ins.east of the mer. established by Pol.obsn.

The solar apparatus by p.m. and a.m.observations defines position for meridians respectively about 0'22"west and 0'21"east of the mer.established by Pol.obsn.;therefore I conclude that the adjustments of the instrument are satisfactory.

The magnetic bearing of the mer.at 7 h.30 m a.m.,is N.16°28'W.,the angle thus determined,gives the mag.decl. 16°28'E.

Note:Before commencing this retracement I retraced practically all the lines in the subdivision of T.4 S.,R.2 W., but failed to find any of the corners except some in the north tier of sections; [illegible] corners;therefore,in accordance with Special Instructions, I deem it necessary to resurvey the township ;and I proceed as follows :

From the cor.of Tps.3 and 4 S.,Rs.1 and 2 W.,which is a sandstone,12x18x4 ins.above ground,firmly set,and marked and witnessed as described by Deputies Collier and Rager ,

I run

West,on retracement line along north bdy.of Tp.,bet. secs.1 and 36.At 40.00 chs.find no trace ¼ sec.cor.and at 80.00 chs.find no trace of the cor.of secs.1,2,35,and 36,therefore I continue my line west and find no trace of any of the cors.until at 401.10 chs.fall 47 lks.S.of the cor. secs.

Chs. 5,6,31,and 32,which is a sandstone,6x10x8 ins.,above ground,firmly set,and mkd.and witnessed as described by the surveyor-general.I raise a mound of stone,2 ft. base,1½ ft.high,W.of cor. I continue my line west from the above described cor.,and at 40.00 chs.find no trace of the old ¼ sec.cor.bet.secs. 6 and 31,which is described as a cottonwood post;and at 79.50 chs.,I fall 165 lks.N.of the witness cor.to Tps.3 and 4 S.,Rs.2 and 3 W.,which is a cottonwood post considerably decayed;this cor.is described as being 90 lks.south of the proper place ,but as I see no reason why it should not be in its regular position I reestablish the Tp.cor.as follows: at a point 90 lks.N.of the witness post I set a quartzite stone18x12x6 ins.,12 ins.in the ground,for cor.of Tps. 3 and 4 S.,Rs.2 and 3 W.,mkd.with 6 notches on each edge; from which

A cottonwood,6 ins.dia.,bears S.10° 30'E.,169 lks.dist..mkd.T 4 S R 2 W S 6 B T.

A cottonwood,6 ins.dia.,bears S.40° W.,65 lks. dist..mkd. T 4 S R 3 W S 1 B T.

A cottonwood ,6 ins.dia.,bears N.80 W.,72 lks. dist..mkd.T 3 S R 3 W S 36 B T.

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

I destroy all traces of the witness cor.

July 8,1904:at this cor.I set off 22° 29'N.,on the decl. arc;and at 0 h 2 m p.m.,l.m.t.,I observe the sun on the mer.the resulting lat.is 40° 11'N.,which is the proper lat.nearly.

From the above reestablished cor.of Tps.3 and 4 S.,Rs. 2 and 3 W.,I run

South,on a retracement line along the west bdy.of Tp. at 41.00 chs.,the ¼ sec.cor.,bet.secs.1 and 6,which is sandstone,4x10x7 ins.,above ground,firmly set,and mkd.and

Retracement of West boundary of T.4 S.,R.2 W.-Continued.

Chs. witnessed as described by the surveyor general,bears W. 7 lks.dist.I dig pits,18x18x12 ins.,N.and S.of stone, 3 ft.dist.;and raise a mound of earth,3½ ft.base,1½ ft. high;W.of cor. and at 81.00 chs.the cor.of secs.1,6,7,and 12,which is a sandstone,5x12x10 ins.above ground,firmly set,and mkd.and witnessed as described by the surveyor general,bears W. 14 lks. dist. I 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. From the above described cor.I continue my line south and find no trace of any of the corners until at 240.12 chs. I fall 14 lks.E.of the cor.of secs.19,24,25,and 30,which is a limestone,10x12x4 ins.,above ground,firmly set,and mkd.and witnessed as described by the surveyor general, to perpetuate the cor.I raise a mound of stone,2 ft. base,1½ ft.high,W.of cor.

From the above described cor.of secs.19,24,25,and 30 I run

South,on a resurvey line bet.secs.25 and 30.

Over rolling hills;through shadscales. Asc.

30.00 Top of ridge,50 ft.above sec.cor.,bears NE and SW.Desc.

40.00 I search diligently but fail to find any trace of the old ¼ sec.cor.

Set a sandstone,18x6x5 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.;and raise a mound of earth,3½ ft. base,1½ ft.high,W.of cor.

55.00 Bottom of hollow, drains NE.

70.16 Intersect South Boundary of the Uintah Indian Reservation.

Set a sandstone,28x8x4 ins.,21 ins.in the ground,for closing cor.of frac.Tps.4 S.,Rs.2 and 3 W.,mkd.C C U.I.R 4 S,with 5 grooves on N.,2 W with 6 grooves on E.3 W, with6 grooves on W. and P L on S.faces;dig pits,one

Resurvey W.bdy.T.4 S.,R.2 W.-Continued.

Chs. 48x36x12 ins.,SW of stone,3 ft.dist.;and one 30x24x12 ins.N.of stone,7 ft.dist.;and raise a mound of earth, 5 ft.base,3½ft.high,N.of cor.

From,the closing cor.the 23rd mile cor.on the bdy.,as established by Deputies A.H.and F.M.Brown,bears as follows:

N.74° 45'E.,15.56 chs.to mile stone No.23.

Land,rolling hills.

Soil,sandy loam and gravelly;2nd and 3rd rate.

No timber.

Undergrowth,shadscales.

No grass .

July 8,1904.

July 9,1904:At 7 h 2 m a.m.,l.m.t.,I set off 40° 07'N.,on the lat.arc;22° 24'N.,on the decl.arc;and determine a mer.with the solar,at the cor.of secs.19,24,25,and 30.

Thence I run

N.0° 2'E.,on a true resurvey line bet.secs.19 and 24.

Over rolling ground.

Desc.

16.00 Bottom of hollow,60 ft.below sec.cor.,course NE.

Asc.

40.02 I search diligently but fail to find any trace of the old ¼ sec.cor.bet.secs.19 and 24.

Set asandstone,20x8x4 ins.,15 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.;and raise a mound of earth, 3½ ft.base,1½ ft.high,W.of cor.

80.04 I search diligently but fail to find any trace of the old cor.of secs.13,18,19,and 24,which is described as

Resurvey of West boundary of T 4 S .R 2 W -Continued

Chs.	
	a cobblestone,17x9x7 ins.,
	Set a cobblestone,16x8x6 ins.,11 ins.in the ground,for cor.of secs.13,18,19,and 24;mkd.with 3 notches on N.,and S.edges;dig pits,18x18x12 ins.,in each sec.5½ ft.dist.; and raise a mound of earth,4 ft.base,2 ft.high,W.of cor.
	Land,rolling.
	Soil,sandy loam and gravelly;2nd and 3rd rate.
	No timber .
	N.0° 2'E.,on a true resurvey line bet.secs.13 and 18.
	Over rolling land.
	Asc..
10.00	Top of ridge, 50 ft.above sec.cor.,bears E.and W.
	Desc .
40.02	I fail to find the old ¼ sec.cor.
	Set a sandstone,16x10x6 ins.,11 ins.in the ground,for ¼ sec.cor..mkd.¼ on W.face;and raise a mound of stone, 2 ft.base,1½ ft.high,W.of cor.
40.25	Hollow,70 ft.below ridge,course NE.
	Asc.
46.00	Top of ascent,50 ft.above hollow,bears N.50°E.and S.50° W.
	Thence over mesa.
80.04	I am unable to find any trace of the old cor.of secs. 7,12,13,and 18.
	Set a cobblestone,15x10x6 ins.,10 ins.in the ground,for cor.of secs.7,12,13,and 18,mkd.with 2 notches on N.and 4 notches on S.edges;and raise a mound of stone,2 ft. base,1½ ft.high,W.of cor.
	Land,rolling and level.
	Soil,gravelly and sandy loam;2nd rate.
	No timber.
	No grass.

Resurvey of West boundary of T 4 S R 2 W -Continued

Chs.	
	July 9,1904:At the noon hour the sky is overcast and solar observations are impossible.
	N.0° 2'E.,on a true resurvey line bet.secs.7 and 12.
	Over level mesa.
30.00	Leave mesa,bears NE and SW.
	Desc.
37.00	Bottom of hollow,75 ft.below mesa,course NE.
	Asc.
40.02	Find no trace of the old ¼ sec.cor.
	Set a hard cobble stone,24x8x6 ins.,18 ins.in the ground, for ¼ sec.cor..mkd.¼ on W.face;and raise a mound of stone, 2 ft.base,1½ ft.high,W.of cor.
43.00	Top of spur,60 ft.above hollow,bears E.and W.
	Desc.
64.00	Wash,20 lks.wide,4 ft.deep,in mouth of hollow,100 ft. below spur,course N.20° W.
72.00	Canal,12 lks.wide,course N.60° E.
80.04	The cor.of secs.1,6,7,and 12.
	Land,rolling and level.
	Soil,gravelly and sandy loam;2nd rate.
	No timber.
	No grass.
	From the retracement of the line bet.secs.1 and 6 I ascertain that the course of the line bet.secs.1 and 6 is N.0° 6'E.,81.00 chs.
	From the cor.of Tps.3 and 4 S.,Rs.2 and 3 W.,

Resurvey of the North boundary of T.4 S., R.2 W.-Continued.

Chs.	
	I run
	N.80° 28'E., on a true resurvey line bet. secs.6 and 31.
	Over level land; through dense willows and scattering
	cottonwood timber.
.42	Right bank of DuChesne River, 2 ft. deep, bears N.20° W. and
	S.20° E. course of river S.20° E.
1.90	Left bank of river, bears N.20° W. and S.20° E.
14.00	An old canal, (dry) 20 lks. wide, 2 ft. deep, course SE.
15.50	Old road, bears N. and S.
27.50	Left bank of Duchesne River, 3 ft. deep, course NE.
29.00	Right bank of river.
35.75	Right bank of DuChesne River, bears N.10° W. and S.10° E.
38.00	Left bank of DuChesne River.
39.50	I search diligently but fail to find the old ¼ sec. cor.,
	Set a sandstone, 16x10x6 ins., 11 ins. in the ground, for
	¼ sec. cor. mkd. ¼ on N. face; from which
	A cottonwood, 8 ins. dia., bears N.5° E., 156 lks.
	dist. mkd. ¼ S 31 B T.
	A cottonwood 5 ins. dia., bears S.17° 30' E., 59
	lks. dist. mkd. ¼ S 6 B T.
55.50	Left bank of DuChesne River, bears N.30° W. and S.30° E.
56.95	Right bank of River.
69.10	Leave willows and timber and enter dense greasewoods,
	bears N. and S.
70.50	Heber-Vernal road, bears N.80° E. and S.80° W.
79.50	The cor. of secs.5, 6, 31, and 32, heretofore described.
	Land, level.
	Soil, sandy loam; 2nd rate.
	Timber, cottonwood.
	Undergrowth, willows and greasewoods.
	Good grass for grazing.
	Land, covered with dense undergrowth, 79.50 chs.

Resurvey of North boundary of T.4 S.,R.2 W.-Continued.

Chs.	
	S.89° 56'E.,on a true resurvey line bet.secs.5 and 32.
	Over level land.
37.00	Heber-Vernal road,bears N.80° E.and S.80° W.
40.11	I find no trace of the old cor.
	Set a sandstone,16x11x5 ins.,11 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.;and raise a mound of earth,3½ ft. base,1½ ft.high,N.of cor.
75.00	Canal,12 lks.wide,1 ft.deep,course N.80° E.
80.22	I search diligently for the old cor.of secs.4,5,32,and 33.
	Set a sandstone,20x12x4 ins., 15 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;and raise a mound of stone,2 ft.base, 1½ ft.high,W.of cor.
	Land,level.
	Soil,gravelly and sandy loam;2nd rate.
	No timber.
	No grass
	July 9,1904.

July 10,1904:At 7 h 2 m a.m.,l.m.t.,I set off 40° 11'N., on the lat.arc;22° 17'N.,on the decl.arc;and determine a mer.with the solar,at the cor.of secs.4,5,32,and 33.

Thence I run

S.89° 56'E.,on a true resurvey line bet.secs.4 and 33.

Over level land.

12.00	Begin ascent,bears N.60° E.and S.60° W.
20.00	Top of ascent,120 ft.above level,bears N.60° E.and S.60° W.
	Thence over level mesa.
40.11	I find no trace of ¼ sec.cor.,after dilligent search
	Set a cobblestone,18x10x8 ins.,12 ins.in the ground,for

Resurvey of N.boundary of T.4 S.,R.2 W.-Continued.

Chs.	
	¼ sec.cor..,mkd.¼ on N.face;and raise a mound of stone, 2 ft.base,1½ ft.high,N.of cor.
44.00	Leave mesa,bears N.20° E.and S.20° W.
	Desc.
48.00	Bottom of hollow,60 ft.below mesa,course N.20° E.
	Asc.
50.00	Top of ascent,bears N.20° E.and S.20° W.
	Thence over mesa.
80.22	I find no trace of the old cor.of secs.3,4,33,and 34. Set a cobblestone,16x12x6 ins.,11 ins.in the ground,for cor.of secs.3,4,33,and 34,mkd.with 3 notches on E.,and W.edges;dig pits,18x18x12 ins.in each sec.;5½ ft.dist.; and raise a mound of earth,4 ft.base,2 ft.high,W.of cor.
	Land,level and rolling.
	Soil,clay loam;2nd rate.
	No timber.
	No grass.

S.89° 56'L.,on a true resurvey line bet.secs.3 and 34.

	Over rolling mesa.
40.11	I find no trace of the old ¼ sec.cor. Set a sandstone,24x10x4 ins.,18 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.;and raise a mound of earth,3½ ft. base,1½ ft.high,N.of cor.
80.22	Find no trace of the cor.of secs.2,3,34,and 35. Set a hard sandstone,16x8x5 ins.,11 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;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.

Chs.	
	Land,level.
	Soil,gravelly and sandy loam;2nd rate.
	No timber.
	No grass .
	S.89° 56'E.,on a true resurvey line bet.secs.2 and 35.
	Over level mesa.
40.11	I find no trace of the old ¼ sec.cor.
	Set asandstone,24x12x6 ins.,18 ins.in the ground,for ¼ sec.cor.,mkd.¼ on N.face;and raise a mound of stone, 2 ft.base,1½ ft.high,N.of cor.
41.10	Price-Vernal road,bears N.20° E.and S.20° W.
45.00	Telephone line,bears N.20° E.and S 20° W.
	Leave mesa,bears N.20° E.and S.20° W.
	Desc.
48.00	Bottom of hollow,80 ft.below mesa,bourse N.20° E.
	Asc.
68.00	Top of ascent,and edge of mesa,100 ft.above hollow,bears N. 70° E.and S.70° W.
	Thence over rolling mesa.
80.22	I find no trace of the old cor.of secs.1,2,35,and 36.
	Set a sand cobblestone,18x10x5 ins.,12 ins.in the ground,for for cor.of secs.1,2,35,and 36,mkd.with 1 notch on E.and 5 notches on W edges;and raise a mound of stone,2ft.base,1½ ft.high,W.of cor.
	Land,level and rolling.
	Soil,sandy and gravelly loam;2nd rate.
	No timber.
	No grass .

Resurvey of North Boundary of T.4 S.,R.2 W.-Continued.

Chs.	
	S.89° 56'E.,on a true resurvey line bet.secs.1 and 36.
	Over level mesa; Desc.
31.00	Leave mesa,bears N.20° W.and S.20° E.
	Desc.
34.00	Foot of steep descent,bears N.20° W.and S.20° E.
	Thence descend more gradually.
40.11	Find no trace of old cor.
	Set a hard sand cobble stone,16x10x4 ins.,11 ins.in the ground,for ¼ sec.cor.;mkd.¼ on N.face;and raise a mound of stone,2 ft.base,1½ ft. high,N.of cor.
50.00	Foot of descent,120 ft.below ¼ sec.cor.,bears N.60° W. and S.60° E.
	Thence over level land.
80.22	The cor.of Tps.3 and 4 S.,Rs.1 and 2 W.
	Land,level and rolling.
	Soil,sandy loam;2nd rate.
	No timber.
	No grass.
	July 10,1904:At the noon hour the sky is overcast and solar observations are impossible..

July 10,1904.

RESURVEY OF NORTH BOUNDARY OF T. 4 S., R. 2 W. Concludc

Boundaries of T. 4 S., R. 2 W.

LATITUDES, DEPARTURES AND CLOSING ERRORS.

Line designated		True bearing	Distance	Latitudes N.	Latitudes S.	Departu E.	W
			chs.	chs.	chs.	chs.	ch
W.bdy.	T.4 S.,R.2 W.	North	70.16	70.16			
W.bdy.	T.4 S.,R.2 W.	N.2'E.	240.12	240.12		.14	
W.bdy.	T.4.S.,R.2 W.	N.6'E.	81.00	81.00		.14	
N.bdy.	T.4 S.,R.2 W.	N.89°28'E.	79.50	.74		79.50	
N.bdy.	T.4 S.,R.2 W.	S.89°56'E.	401.10		.47	401.10	
E.bdy.	T.4 S.,R.2 W.	South	325.48		325.48		
S.bdy.	U.I.Reservation(	S.89°52'W.	73.48		.17		73
S.bdy.	U.I.Reservation	N.89°45'W.	160.00	.70			160
		S.74°45'W.	255.56		67.22		246
Convergency						.46	
Totals				392.72	393.34	481.34	480
					392 72	480.04	
Error in lat.					.62		
Error in dep.						1.30	

Andy J. Stewart
U. S. Deputy Surveyor.

July 10, 1904.

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BOOK A-309

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, a 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 "Z4", T4S., R3W., *Chainman*

....., *Moundma*

....., *Moundma*

....., *Axman.*

....., *Axman.*

....., *Flagman.*

FINAL OATH OF ASSISTANTS.

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

....., *Chainman.*

For final affidavits see book "Z4", T.4S., R3W., *Chainman.*

....., *Moundman.*

....., *Moundman.*

....., *Axman.*

....., *Axman.*

....., *Flagman.*

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

SEAL

.....

.....

6—151

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

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

For final affidavits see book "Z", T 4 S., R. 3 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 ....., 189

SEAL

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, October 18, 1904.

The foregoing field notes of the survey of Retracement and resurvey of the North and West Boundaries of Township No. 4 South, Range No. 2 West, of the Uintah Special Base and Meridian, Utah.

executed by John R. Stewart and Andy J. Stewart, their under his contract No. 271, dated July 23, 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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4—679.

BOOK A-309

FILED
SEP 17 1904

FIELD NOTES

~~OF THE SURVEY OF THE~~

of the retracement and resurvey of the

SUBDIVISION

of

Township No.4 South Range No.2 West

Of the UINTAH SPECIAL BASE AND *Meridian,*

STATE OF UTAH

AS SURVEYED BY

John R.Stewart and Andy J.Stewart, *United States Deputy Surveyors*

Under ~~*his*~~ their *Contract No.* 271, *dated* July 22,1903. ~~189~~

Survey commenced July,10,1904. ~~189~~

Survey completed July 16,1904. ~~189~~

6—151

Res Com 38-14-91
~~37-74-29~~
Ret " 4-04-25
Closing 4-9-81

BOOK A-309

NAMES AND DUTIES OF ASSISTANTS.

J. Frank Hoyt	Chainman
John H. Kienke	Chainman
Harvey R. Booth	Moundman
Elmer A. Jacobs	Moundman
George T. Littley	Axman
Bert Carter	Axman
Arthur Harris	Flagman

Volume
#
R0309

BOOK A-309

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Township 4 South, *Range* 2 West.

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Meanders Page

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PRELIMINARY OATHS OF ASSISTANTS.

WE, J. Frank Hoyt and John H. Kienke 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~~ retracement and resurvey of the subdivision of T. 4 S., R. 2 W.; and T. 4 S., R. 3 W., of the Uintah Special Base and Meridian Utah

J. Frank Hoyt, Chainman.

John H. Kienke, Chainman.

Subscribed and sworn to before me this 16th day of May 1904, 189

SEAL

Andy J. Stewart
U. S. Dep. Sur.

WE, Harvey R. Booth and Elmer A. Jacobs do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the ~~survey of~~ retracement and resurvey of the subdivision of T. 4 S., R. 2 W.; and T. 4 S., R. 3 W., of the Uintah Special Base and Meridian Utah

Harvey R Booth, Moundman.

Elmer A. Jacobs, Moundman.

Subscribed and sworn to before me this 16th day of May 1904, 189

SEAL

Andy J. Stewart
U. S. Dep. Sur.

WE, George T. Littley and Bert Carter 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~~ retracement and resurvey of the subdivision of T. 4 S., R. 2 W.; and T. 4 S., R. 3 W., of the Uintah Special Base and Meridian Utah

George T. Littley, Axman.

Bert Carter, Axman.

Subscribed and sworn to before me this 16th day of May 1904, 189

SEAL

Andy J. Stewart
U. S. Dep. Sur.

I, Arthur Harris, do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the ~~survey of~~ retracement and resurvey of the subdivision of T. 4 S., R. 2 W.; and T. 4 S., R. 3 W., of the Uintah Special Base and Meridian Utah

Arthur Harris, Flagman.

Subscribed and sworn to before me this 16th day of May 1904, 189

SEAL

Andy J. Stewart
U. S. Dep. Sur.

6—151

Retracement Subdivision of T.4 S.,R.2 W.-Continued.

Chs. Survey commenced July 10,1904: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 instrumnet was examined,tested on the meridian at Salt Lake City,found correct,and was approved by the Surveyor general for Utah.on August 21,1903.

I examine the adjustments of the instrument and correct the level and collimation errors;then,to test the solar apparatus by comparings its indications resulting from solar observations made during p.m.and a.m.hours with a mer.established by obsn.on Pol.I proceed as follows:

At the cor.of secs.1,2,35,and 36,on N.bdy.of Tp.,hereto fore described,latitude 40° 10'41"N.,longitude 110° 6'10" W.,I set off 40° 11'N.,on the lat.arc;22° 13'N.,on the decl.arc; and at 5 h 2 m p.m.,l.m.t.,I determine a mer. with the solar,and mark a point thereof on a stone, firmly set in the ground,5.00 chs.N of the cor.

July 10,1904.

July 11,1904:At 0 h 10 m a.m.,l.m.t.,I obs.Pol.at eastern elong.in accordance with the Manual,and mark the line thus determined on a peg driven in the ground,5.00 chs.N.of the cor.

At 6 h 30 m a.m.,l.m.t.,I lay off the azimuth of Polaris 1° 34.4'to the west and mark the mer.thus determined by cutting a small groove in the stone alredy set 5.00 chs. N.of the cor. ;this mark falls 0.35 ins.east of the mark determined with the solar.

At 7 h 2 m a.m.,l.m.t.,I set off 40° 11'N.,on the lat.arc;

Retracement Subdivision of T.4 S.,R.2 W.-Continued.

Chs. 22° 9'N.,on the decl.arc;and mark the meridian determined with the solar,by a cross on the stone already set 5.00 chs.N.of the cor.;this mark falls 0.38 ins.east of the mer.established by Pol.obsn.

The solar apparatus by p.m.and a.m.observations defines positions for meridians respectively about 0'18"west and 0'20"east of the mer.established by Pol.obsn.;therefore I conclude that the adjustments of the instrument are satisfactory.

The magnetic bearing of the mer.at 7 h 30 m a.m.,is N.16° 36'W.,the angle thus determined gives the mag.decl. 16° 36'E.

From the above described cor.

I run

S.0° 19'E.,on a retracement line bet.secs.1 and 2

41.21 The ⅟4 sec.cor.bet.secs.1 and 2,,which is a sandstone, 5x8x8 ins. above ground,firmly set,and mkd.and witnessed as described by the surveyor general,bears W.19 lks. dist.

81.21 The cor.of secs.1,2,11,and 12,which is a sandstone, 6x8x6 ins.,above ground,firmly set,and mkd.and witnessed as described by the surveyor general,bears W.38 lks. dist.

The course of this line is therefore N.0° 3'W.,81.21 chs.

S.89° 57'E.,on a retracement line bet.secs.1 and 12.

40.30 Find no trace of ⅟4 sec.cor. Set temp.⅟4 sec.cor.

80.24 Intersect E.bdy.of Tp.,16 lks.N.of the cor.of secs. 1,6,7,and 12,which is a cobblestone,5x9x6 ins.,above ground,firmly set,and mkd.and witnessed as described by

Retracement of Subdivision of T.4 S.,R.2 W.-Continued,

Chs.	
	the surveyor general.
	Thence I run
	N.89° 50'W.,on a true resurvey line bet.secs.1 and12.
	Desc.gently over rolling mesa.
40.12	Find no trace of the old ¼ sec.cor.
	Set sandstone,15x10x8 ins.,10 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.;and raise a mound of earth, 3½ ft.base,1½ ft.high,N.of cor.
80.24	The cor.of secs.1,2,11,and 12.
	Land,rolling mesa.
	Soil,sandy loam;2nd rate.
	No timber.

Note:On account of not finding any corners south of this line I run

S.0° 1'E.,on a resurvey line bet.secs.11 and 12.

Over rolling mesa.

40.00	After diligent search I find no trace of old ¼ sec. cor.
	Set a sandstone,18x9x5 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.;and raise a mound of earth,3½ ft. base,1½ ft.high,W.of cor.
80.00	I am unable to find any trace of the old cor.of secs. 11,12,13,and 14,after dil igent search,
	Set a sandstone,14x6x8 ins.,9 ins.in the ground,for cor.of secs.11,12,13,and 14,mkd.with 4 notches on S.and 1 notch on E.edges;dig pits,18x18x12 ins.,in each sec.5½ ft.dist.;and raise a mound of earth,4 ft.base,2 ft.high, W.of cor.
	Land,rolling mesa.

Resurvey Subdivision of T.4 S.,R.2 W.-Continued.

Chs.	
	Soil,sandy loam;2nd rate.
No	timber.
	S.89° 50'E.,on a random retracement line bet.secs. 12 and 13.
40.00	Find no trace of the old cor. Set temp.¼ sec.cor.
80.28	Intersect E.bdy.of Tp.,21 lks.S.of the cor.of secs. 7,12,13,and 18,which is a sandstone,6x12x3 ins.,above ground,firmly set,and marked and witnessed as described by the surveyor general.
	Thence I run
	N.89° 59'W.,on a true resurvey line bet.secs.12 and 13.
	Over rolling mesa.
	Asc.gently.
40.14	I am unable to find any trace of the old cor.
	Set a sandstone,14x8x8 ins.,19 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.;and raise a mound of earth,3½ ft. base,1½ ft.high,N.of cor.
59.00	Wash,20 lks.wide,3 ft.deep,course N.60°E.
80.28	The cor.of secs.11,12,13,and 14.
	Land,rolling mesa.
	Soil,gravelly and sandy loam;2nd rate.
	No timber.
	No grass.
	July 11,1904:At this cor.I set off 22° 06'N.,on the decl. arc;and at 6 h 2 m p.m. l.m.t.,I observe the sun on the mer.the resulting lat.is 40° 09'N.,which is the proper lat.nearly.
	S.0° 1'E.,on a resurvey line bet.secs.13 and 14.

Resurvey Subdivision of T.4 S.,R.2 W.-Continued.

Chs.	
	Over rolling mesa.
6.00	Wash,10 lks.wide,3 ft.deep,course N.70° E.
40.00	Find no trace of the old ¼ sec.cor.
	Set a sandstone,14x8x6 ins.,9 ins.in the ground,for ¼ sec.cor..mkd.¼ on W.face;and raise a mound of stone, 2 ft.base,1½ ft.high,W.of cor.
80.00	Find no trace of the old cor.of secs.13,14,23,and 24.
	Set a sandstone,36x8x4 ins.,27 ins.in the ground,for cor.of secs.13,14,23,and 24,mkd.with 3 notches on S.and 1 notch on E.edges;and raise a mound of stone,2 ft.base. 1½ ft.high,W.of cor.
	Land,rolling mesa.
	Soil,sandy loam;2nd rate.
	No timber.
	No grass.

	S.89° 59'E.,on a random retracement line bet.secs.13 and 24.
40.00	Find no trace of the old cor.Set temp.¼ sec.cor.
80.18	Intersect E.bdy.of Tps.,at the cor.of secs.13,18,19,and 24,which is a sandstone,6x6x6 ins.above ground,firmly set,and mkd.and witnessed as described by the surveyor general.
	Thence I run
	N.89° 59'W.,on a true resurvey line bet.secs.13 and 24.
	Over rolling mesa.
27.00	Wash,30 lks.wide,4 ft.deep,course N.70° E.
40.09	Find no trace of the old ¼ sec.cor.
	Set a limestone,18x10x3 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.;and raise a mound of earth,3½ ft. base,1½ ft.high,N.of cor.

Resurvey of Subdivision of T.4 S.,R.2 W.-Continued.

Chs.

56.00 Wash,60 lks.wide,14 ft.deep,course N.80° E.

80.18 The cor.of secs.13,14,23,and 24.

Land,rolling mesa.

Soil,sandy and clay loam;2nd rate.

No timber.

No grass.

S.0° 1'E.,on resurvey line bet.secs.23 and 24.

Over rolling mesa.

25.00 Wash,25 lks.wide,12 ft.deep,course N.80° E.

40.00 Find no trace of the old ¼ sec.cor.

Set a sandstone,14x12x8 ins.,9 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.;and raise a mound of earth,3½ ft. base,1½ ft.high,W.of cor.

65.00 Road from DuChesne Bridge to Green River,bears N.10° W. and S.10° E.

Note:Fractional secs.25,26,28+27,would be very small if the S.bdys.of secs.21,22,23,and 24,were run ;therefore I conclude to make those small fractions a part of secs.21,22,23,and 24.

83.77 Intersect South Boundary of the Uintah Indian Reservation.

Set a sandstone,18x12x5 ins.,12 ins.in the ground,for closing cor.of frac.secs.23 and 24,mkd.C C U I R ,with 4 grooves on N.,1 groove on E.,and P L on S.faces; dig pits, one 30x24x12 ins.,E.of stone,3 ft.and one 24x18x12 ins. N.of stone,7 ft.dist.;and raise a mound of earth,4 ft. base,2 ft.high,N.of cor.

From the closing cor.the 18th mile cor.on the bdy.,as established by Deputies A.H.and F.M.Brown,bears as follows:

S.89° 45'E.,6.54 chs.to mile stone No.18.

Land,rolling mesa;

Resurvey or Subdivision of T.4 S.,R.2 W.-Continued.

chs.

Soil,sandy and clay loam;2nd rate.

No timber.

No grass .

July 11,1904.

July 12,1904.At 7 h 2 m a.m.,l.m.t.,I set off 40° 11'N., on the lat.arc;22° 01'N.,on the decl.arc;and determine a mer.with the solar,at the cor.of secs.2,3,34,and 35,on N.bdy.of Tp.,heretofore described.

Thence I run

S.0° 24'W.,on a retracement line bet.secs.2 and 3.

41.60 I fall 31 lks.W.of a decayed cottonwood post in an old mound,marked as described by the surveyor general.

I destroy all traces of the old cor.and in its place I Set a quartzite stone,15x9x5 ins.,10 ins.in the ground, for ¼ sec.cor.,mkd.¼ on W.face;and dig pits,18x18x12 ins., N.and S.of stone,3 ft.dist.;and raise a mound of earth, 3½ ft.base,1½ ft.high,W.of cor.

81.60 The cor.of secs.2,3,10,and 11,which is a sandstone,5x10x8 ins.above ground,firmly set,and mkd.and witnessed as described by the surveyor general,bears E.61 lks.dist.

The course of this line is therefore N.0° 2'W.,81.60 chs.

S.89° 54'E.,on a random retracement line bet.secs. 2 and 11.

39.98 Find no trace of the old cor.Set temp.¼ sec.cor.

80.28 Intersect N.and S.line,32 lks.S.of the cor.of secs. 1,2,11,and 12.

Thence I run

S.89° 52'W.,on a true resurvey line bet.secs.2 and 11.

Resurvey Subdivision of T.4 S.,R.2 W.-Continued.

Chs.	
	Over level mesa.
40.14	Find no trace of the old ¼ sec.cor.
	Set a sandstone,15x10x6 ins.,10 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.;and raise a mound of earth;3½ ft. base,1½ ft.high,N.of cor.
80.28	The cor.of secs.2,3,10 and 11.
	Land,level.
	Soil,sandy loam;2nd rate.
	No timber.
	No grass.

Note :Not having found any corners in the subdivision south of this line I run

S.0°2'E.,on resurvey line bet.secs.10 and 11.

	Over level mesa.
35.00	Leave mesa,bears E.and W. Asc.
40.00	Set a sand cobblestone,14x10x6 ins.,9 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.;and raise a mound of earth, 3½ ft.base,1½ ft.high,W.of cor.
55.00	Top of ridge,125 ft.above mesa,bears E.and W.
	Desc.
60.50	Ledge,20 ft.high,bears E.and W.
	Foot of descent,100 ft.below ridge,bears E.and W.
	Thence Over rolling ground.
80.00	Find no trace of the old cor.
	Set a sandstone,18x12x4 ins.,12 ins.in the ground,for cor.of secs.10,11,14,and 15,mkd.with 4 notches on S.and 2 notches on E.edges;and raise a mound of stone,2 ft. base,1½ ft.high,W.of cor.
	Land,rolling and level.
	Soil,sandy loam and gravelly;2nd and 3 rd rate.
	No timber.

Resurvey of Subdivision of T 4 S., R 2 W -Continued

No grass.

N.89° 52'E.,on a random line bet.secs.11 and 14.

40.00 Find no trace of old cor.Set temp.¼ sec.cor.

80.24 Intersect N.and S.line,at the cor.of secs.11,12,13,and 14.

Thence I run

S.89° 52'W.,on a true resurvey line bet.secs.11 and 14.

Over rolling ground.

40.12 Set a sandstone,14x10x9 ins.,9 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.;and raise amound of earth.3½ ft.base 1½ ft.high,N.of cor.

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

Land,rolling.

Soil,sandy loam;2nd rate.

No timber.

No grass.

July 12,1904:At the noon hour the sky is overcast and solar observations are impossible.

S.0° 2'E.,on resurvey line bet.secs.14 and 15.

Over rolling land,gently descending.

33.00 Wash,20 lks.wide,5 ft.deep;course N.80° E.

34.00 Road from DuChesne Bridge to Green River,bears NW and SE.

40.00 Find no trace of the old ¼ sec.cor.

Set a sandstone,16x10x4 ins.,11 ins.in the ground,for ¼ sec.cor..mkd.¼ on W.face;and raise a mound of stone,2 ft.base,1½ ft.high,W.of cor.

80.00 Set a sandstone,15x12x3 ins.,10 ins.in the ground,for

Resurvey Subdivision of T.4 S.,R.2 W.-Continued.

Chs.	
	cor.of secs.14,15,22,and 23,mkd.with 3 notches on S.and 2 notches on E.edges;dig pits 18x18x12 ins.,in each sec. 5½ ft.dist.;and raise a mound of earth,4 ft.base,2 ft. high,W.of cor.
	Land,rolling .
	Soil,sandy and clay loam;2nd rate.
	NoTimber,
	No grass
	N.89° 52'E.,on a random line bet.secs.14 and 23.
40.00	Find no trace of old cor. Set temp.¼ sec.cor.
80.14	Intersect N.and S.line,23 lks.N.of the cor.of secs. 13,14,23,and 24.
	Thence I run
	N.89° 58'W.,on a true resurvey line bet.secs.14 and 23.
	Over rolling land.
40.07	Find no trace of the old cor.
	Set a limestone,18x6x6 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.;and raise a moundof earth,3½ ft. base,1½ ft.high,N.of cor.
44.00	Road from Duchesne Bridge to Green River,bears NW and SE.
80.14	The cor.of secs.15,14,22,and 23.
	Land,rolling .
	Soil,sandy loam;2nd rate.
	No timber.
	No grass.

Resurvey Subdivision T.4 S. R.2 W.--Continued.

Chs.

For reasons already explained I run

S.0°2'E.,on a true line bet.secs.22 and 23.

Over rolling ground.

40.00 Find no trace of the old cor.

Set an oil shale stone,14x10x4 ins.,9 ins.in the ground,fo for ¼ sec.cor.,mkd.¼ on W.face;dig pits,18x18x12 ins.N. and S.of stone,3 ft.dist.;and raise a mound of earth,3½ ft.base,1½ ft.high,W.of cor.

58.00 Begin descent,bears NE and SW.

72.00 Bottom of hollow,30 ft.below ridge,course NE.

Asc.

83.40 Intersect South Boundary of the Uintah Indian Reservation,

Set a sandstone,30x12x6 ins.,22 ins.in the ground,for closing cor.of secs.22 and 23,mkd.C C U I R.,with 4 grooves on N.,2 grooves on E.,and F.L.on S.faces;and raise a mound of stone covered with earth,4 ft.base,2 ft,high,N.of cor.

From the closing cor.the 19th mile cor.on the bdy.established by Deputies A.B.and F.M.Brown,bears as follows:

S.89°45'E.,6.50 chs.to mile stoneNo.19

Land,rolling and level.

Soil,sandy loam and gravelly;2nd and 3rd rate.

No timber.

No grass.

July 12,1904.

July 13,1904:At 7 h 2 m a.m.,l.m.t.,I set off 40°11'N., on the lat.arc;21°52'N.,on the decl.arc;and determine a mer.with the solar,at the cor.of secs.3,4,33,and 34,on

Resurvey Subdivision of T.4 S.,R.2 W.-Continued.

Chs. N.bdy.of Tp.,heretofore described.

Thence I run

S.0.24'W.,on a retracement line bet.secs.3 and 4.

40.00 Find no trace of the old ¼ sec.cor.also at 41.60 I find no trace of old ¼ sec.cor.Set temp.¼ sec.cor.

81.78 The cor.of secs.3,4,9,and 10,,which is a sandstone,5x10x6 ins.above ground,firmly set,and mkd.and witnessed as described by the surveyor general,bears E.65 lks.dist. I 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.

Thence I run

N.0°3'W.,on a true resurvey line bet.secs.3 and 4.

Over rolling mesa.

40.00 Find no trace of the old cor.

Note :I set this cor.at 40.00 chs.from the south to correspond with the corners I have already found in this tier of sections.

Set a quartzite stone,16x10x4 ins.,11 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.;and raise a mound of earth, 3½ ft.base,1½ ft.high,W.of cor.

81.78 The cor.of secs.3,4,33,and 34.

Land,rolling mesa.

Soil,sandy loam;2nd rate.

No Timber.

No grass.

N.89°41'E.,on a retracement line bet.secs.3 and 10.

40.00 Find no trace of the old cor.Set temp.¼ sec.cor..

80.28 Intersect N.and S.line,25 lks.N.of the cor.of secs. 2,3,10,and 11.

Thence I run

S.89°52'W.,on a true resurvey line bet. secs. 3 and 10.

Resurvey Subdivision of T.4 S.,R.2 W.-Continued.

Chs.	
	Over rolling mesa.
3.00	Price - Vernal road, bears N.20° E. and S.20° W.
4.00	Telephone line, bears N.20° E. and S.20° W.
40.14	The old ¼ sec. cor. cannot be found.
	Set a hard sandstone, 15x12x5 ins., 10 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.; and raise a mound of earth, 3½ ft. base, 1½ ft. high, N. of cor.
80.28	The cor. of secs. 3, 4, 9, and 10.
	Land, rolling mesa.
	Soil, sandy loam; 2nd rate.
	No timber
	No grass.

	For reasons already explained I run S.0°3'E., on resurvey line bet. secs. 9 and 10.
	Over rolling mesa.
36.00	Leave mesa, bears N.70° W. and S.70° E.
	Asc.
40.00	Find no trace of the old cor.
	Set a sandstone, 15x12x4 ins., 10 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.; and raise a mound of earth, 3½ ft. base, 1½ ft. high, W. of cor.
46.00	Top of ascent, 50 ft. above mesa, bears N.70° W. and S.70° E.
	Thence over rolling mesa.
80;00	Find no trace of old cor.
	Set a sandstone, 16x10x4 ins., 11 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; and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
	Land, rolling.

Chs.	
	Soil, sandy loam and gravelly; 2nd and 3rd rate.
	No timber.
	No grass .
	N.89° 52'E., on a random line bet. secs. 10 and 15.
40.00	Find no trace of old ¼ sec. cor. Set temp. ¼ sec. cor.
80.12	Intersect N. and S. line, 10 lks. N. of the cor. of secs. 10, 11, 14, and 15.
	Thence I run
	S.89° 56'W., on a true resurvey line bet. secs. 10 and 15.
	Over rolling land.
27.00	Road from Duchesne Bridge to Green River, bears N.30° W. and S.30° E.
33.00	Price-Vernal road, bears N.20° E. and S.20° W.
34.50	Telephone line, bears N.20° E. and S.20° W.
40.06	Find no trace of the old ¼ sec. cor.
	Set a sandstone, 14x12x4 ins., 9 ins. in the ground, for ¼ sec. cor., mkd. ¼ on N. face, and raise a mound of stone 2 ft. base, 1½ ft. high, N. of cor.
49.00	Asc. knoll.
53.00	Top of round knoll.
	Desc.
57.00	Wash, 10 lks. wide, 2 ft. deep, course N.30° E.
	Asc.
62.00	Top of ascent, 100 ft. above wash, bears N.30° E. and S.30° W.
	Thence over mesa.
80.12	The cor. of secs. 9, 10, 15, and 16.
	Land, rolling.
	Soil, sandy and gravelly; 3rd rate.
	No timber.
	July 15, 1904: At the noon hour the sky is overcast and solar observations are impossible.

Resurvey Subdivision T.4 S.R.2 W.-Continued.

Chs.	S.0° 2'E.,on a resurvey line bet.secs.15 and 16.
	Over level mesa.
5.00	Leave mesa,bears N.85° E.and S.85° W.
	Desc.
10.00	Foot of descent,100 ft.below mesa,bears N.85° E.and S.85° W.
	Thence over rolling land.
40.00	Find no trace of the old cor.
	Set a quartzite stone,16x11x8 ins.,11 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.;and raise a mound of earth,3½ ft. base,1½ ft.high,W.of cor.
55.00	Wash,3 lks.wide,1 ft.deep,course NE .
60.00	Find no trace of the old cor.
	Set a sandstone,10x12x5 ins.,11 ins.in the ground,for cor.of secs.15,16,21,and 22,mkd.with 4 S on NE and 2 Y on SW.faces;and 3 notches on E.and N.edges;and raise a mound of stone,2 ft.base,1½ ft.high,W.of cor.
	Land,rolling and level.
	Soil,sandy loam and gravelly;2nd and 3rd rate.
	No timber.No grass.

	N.89° 56'E.,on a random line bet.secs.15 and 22.
40.00	Find no trace of old cor.Set temp.¼ sec.cor.
80.32	Intersect N.and S.line,16 lks.W.of the cor.of secs.14, 15,22,and 23.
	Thence I run
	N.89° 57'W.,on a true resurvey line bet.secs.15 and 22.
	Over nearly level land;
40.10	Find no trace of old cor.
	Set a red sandstone,18x8x5 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.;and raise a mound of earth,3½ ft. base,1½ ft.high,N.of cor.
72.50	Price-Vernal road,bears N.20° E.and S.20° W.

Resurvey Subdivision of T.4 S.R.2 W.-Continued.

Chs.	
74.50	Telephone line, bears N.20° E. and S.20° W.
80.32	The cor. of secs. 15, 16, 21, and 22.
	Land, level and rolling. Soil, sandy loam and gravelly; 2nd and 3rd rate.
	No timber. No grass.
	S.0° 2' E., on resurvey line bet. secs. 21 and 22.
	Over nearly level land.
10.00	Telephone line, bears N.20° E. and S.20° W.
12.00	Price-Vernal road, bears N.20° E. and S.20° W.
40.00	Find no trace of old cor.
	Set a sandstone, 20x12x4 ins., 15 ins. in the ground, for ¼ sec. cor., mkd. ¼ on W. face; and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
74.00	Wash, 10 lks. wide, 4 ft. deep, course N.30° E.
80.00	Find no trace of old cor.
	Set a sandstone, 16x10x5 ins., 11 ins. in the ground, for cor. of secs. 21, 28, and 28, mkd. with 2 notches on S., and 3 notches on E. edges; and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
	Land, nearly level.
	Soil, sandy and gravelly loam; 2nd rate.
	No timber. No grass.
	For reasons already explained I run
	S.0° 2' E., on a true resurvey line bet. secs. 22 and 28.
	Over rolling land.
4.96	Intersect South Boundary of the Uintah Indian Reservation.
	Set a shalestone, 18x10x5 ins., 12 ins. in the ground, for closing cor. of frac. secs. 22 and 28, mkd. C C U I R with 4 grooves on N., 3 grooves on E. and P L on S. faces; and raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.
	From the closing cor. the 20th mile cor. on the bdy. as established by A.H. and F.M. Brown bears as follows:
	N.74° 45' E., 7.00 chs. to mile stone No. 20.
	Land, rolling.

Resurvey of Subdivision of T. 4 S., R. 2 W. -Continued.

Chs.	
	Soil sandy and gravelly loam; 2nd rate.
	No timber.
	No grass.
	July 13, 1904.

	July 14, 1904: At 7 h 2 m a.m., l.m.t., I set off 40° 11' N., on the lat. arc; 21° 43' N., on the decl. arc; and determine a mer. with the solar, at the cor. of secs. 4, 5, 32, and 33, on N. bdy. of Tps., heretofore described.
	Thence I run
	S. 0° 29' W., on retracement line bet. secs. 4 and 5.
41.78	I am unable to find any trace of the old ¼ sec. cor.
	Set temp. ¼ sec. cor.
81.80	The cor. of secs. 4, 5, 8, and 9, which is a sandstone, 6x16x12 ins. above ground, firmly set, and mkd. and witnessed as described by the surveyor general, bears E. 79 lks. dist.
	I 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.
	Thence I run
	N. 0° 4' W., on a true resurvey line bet. secs. 4 and 5.
	Over rolling mesa.
40.00	Find no trace of the old cor.
	Set a quartzite stone, 18x10x8 ins., 12 ins. in the ground, for ¼ sec. cor., mkd. ¼ on W. face; and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
57.00	Wash, 15 lks. wide, 5 ft. deep, course N. 60° E.
70.00	Leave mesa, bears N. 60° E. and S. 60° W.
	Desc.
74.00	Foot of descent, 60 ft. below mesa, bears N. 60° E. and S. 60° W.
	Enter DuChesne River bottom.
81.80	The cor. of secs. 4, 5, 32, and 33.
	Land, level and rolling.

Resurvey of Subdivision of T 4 S.,R.2 W.-Continued.

Chs.	
	Soil,sandy and clay loam;2nd rate.
	No timber.
	No grass .
	N.89° 54'E.,on a random retracement line bet.secs.4 and 9 .
40.00	Find no trace of old cor.Set temp.¼ sec.cor.
80.28	Intersect N.and S.line,29 lks.N.of the cor.of secs. 3,4,9,and 10.
	Thence I run
	S.89° 58'W.,on a true resurvey line bet.secs.4 and 9.
	Over rolling mesa.
40.14	Find no trace of the old ¼ sec.cor.
	Set a cobble stone,15x10x6 ins.,10 ins.in the ground,for ¼ sec.cor..mkd.¼ on N.face;and raise a mound of stone, 2 ft.base,1½ ft.high,N.of cor.
80.28	The cor.of secs.4,5,8,and 9.
	Land,rolling mesa.
	Soil,sandy and clay loam;2nd rate.
	No timber.
	Note for reasons already explained
	I run
	S.0° 3'E.,onresurvey line bet.secs.8 and 9.
	Over mesa.
40.00	Find no trace of old cor.
	Set sandstone,15x10x4 ins.,10 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.;and raise a mound of earth,3½ ft. base,1½ ft.high,W.of cor.

Resurvey of Subdivision of T 4 S ,R 2 W.-Continued.

Chs.	
	Leave mesa,bears N.85° E.and S.85° W.
	Asc.
50.00	Top of ascent,60 ft.above mesa,bears N.70° E.and S.70° W.
	Thence over rolling mesa.
80.00	Find no trace of old cor.
	Set a sandstone,20x6x5 ins.,15 ins.in the ground,for cor.of secs.8,9,16,and 17,mkd.with 4 notches on S.and and E edges;dig pits,18x18x12 ins.,in each sec.5½ ft. dist..and raise a moundoof earth,4 ft.base,2 ft.high, W.of cor.
	Land,rolling .
	Soil,sandy and gravelly;3rd rate.
	No timber.

N.89° 58'E.,on a random line bet.secs.9 and 16.

40.00	Find no trace of old cor.;Set temp. sec.cor.
80.06	Intersect N.and S.line,9 lks.S.of the cor.of secs.9,10, 15,and 16.
	Thence I run
	S.89° 54'W.,on a true resurvey line bet.secs.9 and 16.
	Over nearly level mesa.
40.03	Find no trace of the old cor.
	Set a sandstone,16x9x8 ins.,11 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.;and raise a mound of earth, 3½ ft.base,1½ ft.high,N.of cor.
80.06	The cor.of secs.8,9,16,and 17.
	Land,nearly level mesa.
	Soil,sandy loam;2nd rate.
	No timber.

Resurvey of Subdivision of T 4 S R.2 W -Continued

Chs.	
	S.0° 3'E.,on resurvey line bet.secs.16 and 17.
	Over level mesa.
36.50	Leave mesa,bears N.80° E.and S.80° W.
	Desc.
40.00	Find no trace of old cor.
	Set a quartzite stone,17x10x6 ins.,12 ins. in the ground, for ¼ sec.cor..mkd.¼ on W.face;and raise a mound of stone,2 ft.base,1½ ft.high,W.of cor.
42.00	Foot of descent,60 ft.below mesa,bears N.80° E.and S.80° W.
	Thence Over nearly level land.
80.00	Find no trace of old cor.
	Set a sandstone,16x10x4 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.edges;and raise a mound of stone covered with earth,4 ft.base, 2 ft.high,W.of cor.
	Land,rolling and level.
	Soil,sandyand gravelly ;3rd rate.
	No timber.
	July 14,1904:At this cor.I set off 21° 41'N.,on the decl. arc;and at 0 h 2 m p.m.,l.m.t.,I observe the sun on the mer.the resulting lat.is 40° 08'N.,which is the proper lat.nearly.
	N.89° 54'E.,on a random line bet.secs.16 and 21.
40.00	Set temp.¼ sec.cor.Find no trace of old cor.
80.20	Intersect N.and S.line,9 lks.N.of the cor.of secs. 15,16,21,and 22.
	Thence I run
	S.89° 58'W.,on a true resurvey line bet.secs.16 and 21.
	Over nearly level land;

Resurvey Subdivision of T.4 S.,R.2 W.-Continued.

chs.	
40.10	Find no trace of old cor.
	Set a sandstone,14x10x4 ins.,9 ins.in the ground,for ¼ sec.cor..mkd.¼ on N.face;and raise a mound of stone covered with earth,3½ ft.base,1½ ft.high N.of cor.
80.20	The cor.of secs.16,17,20,and 21.
	Land,nearly level. Soil,sandy;3rd rate.
	No timber. No grass .

	S.0° 3'E.,on a resurvey line bet.secs.20 and 21.
	Over rolling land.
40.00	Find no trace of the old cor.
	Set a sandstone,14x10x5 ins.,9 ins.in the ground,for ¼ sec.cor..mkd.¼ on W.face;and raise a mound of stone, 2 ft.base,1½ ft.high,W.of cor.
75.00	Begin descent,bears N.60° E.and S.60° W.
80.00	Find no trace of old cor.
	Set a sandstome,20x10x4 ins.,15 ins.in the ground,for cor.of secs.20,21,28,and 29,mkd.with 2 notches on S.and 4 notches on E.edges;and raise a mound of stone,2 ft.base, 1½ ft.high,W.of cor.
	Land,rolling. Soil,sandy loam and clay;2nd and 3rd rate.
	No timber. No grass .

	N.89° 58'E.,on a random line bet.secs.21 and 28.
40.00	Set temp.¼ sec.cor.
80.24	Intersect N.and S.line,5 lks.S. of the cor.of secs. 21,[illegible],and 28. Thence I run
	S.89° 56'W.,on a true resurvey line bet. secs.21 and 28.
	Over rolling land.
3.50	Wash,10 lks.wide,2 ft.deep,course N.20° E.
28.20	Price Vernal road,bears N.30° E.and S.30° W.
31.00	Telephone line,bears N.30° E.and S.30° W.
40.12	Set a sandstone,16x12x6 ins.,11 ins.in the ground,for ¼ sec.cor.,mkd.¼ on N.face;and raise a mound of stone,2 ft. base,1½ ft.high,N.of cor.Find no trace of old cor.
61.00	Begin descent,bears N.35° E.and S.35° W.

Resurvey Subdivision of T 4 S .R.2 W.-Continued.

Chs.	
74.00	Bottom of hollow,60 ft.below ¼ sec.cor.,course N.40°E. Asc.
80.24	The cor.of secs.20,21,28,and 29. Land,rolling. Soil,sandy;3rd rate. No timber. No grass .

For reasons already exlpained I run S.0°3'E.,on a true resurvey line bet.secs.28 and 29. Over rolling land; Desc.

6.25	Bottom of hollow,20 ft.below sec.cor.,course NE . Asc.
12.00	Top of spur,20 ft.above hollow,bears E.and W. Desc.
18.50	Bottom of hollow,50 ft.below spur,course NW. Asc.
26.70	Intersect South Boundary of the Uintah Indian Reservation. Set a sandstone,24x12x4 ins.,1[illegible] ins.in the ground,for closing cor.of frac.secs.28 and 29.mkd.[illegible] with 4 groove on N.,4 grooves on E.,and [illegible] on S.faces;and raise a mound of stone,[illegible] ft.base,1½ ft.high,N.of cor. From the closing cor.the 21st mile cor.of the bdy.,as established by Deputies A.H.and F.M.Brown bears as follows: N.74°45'E.,9.97 chs.to mile stone No.21. Land,rolling. Soil,sandy and gravelly;3rd rate. No timber. No grass .

July 14,1904.

July 15,1904:At 7 h 2 m a.m.,l.m.t.,I set off 40°11'N.,on the lat.arc;21°34'N.,on the decl.arc;and determine a mer. with the solar,at the cor.of secs.6,5,31,and 32,on N.bdy. of T.,heretofore described. Thence I run S.0°30'W.,on a retracement line bet.secs.5 and 6.

41.74	The ¼ sec.cor.bet.secs.5 and 6,which is a sandstone, 5x10x7 ins.,above ground,firmly set,and mkd.and witnessed as described by the surveyor general bears E.47 lks.dist. I raise a mound of stone,2 ft.base,1½ ft.high,W.of cor.
81.74	The cor.of secs.5,6,7,and 8,which is a sandstone,6x14x10 ins.above ground,firmly set,and mkd.and witnessed as

Chs.	
	described by the surveyor general. Bears E. 93 lks.
	The course of this line is therefore N.0° 9'W.,81.74 chs.
	S.89° 46'E.,on a retracement line bet.secs.5 and 8.
40.00	Find no trace of old cor. Set temp. ½ sec.cor.
80.20	Intersect N.and S.line,19 lks.S.of the cor.of secs.4,5,8, and 9.
	Thence I run
	N.89° 54'W.,on a true resurvey line bet.secs.5 and 8.
	Over level mesa.
40.10	Find no trace of old cor.
	Set a cobble stone,14x10x5 ins.9 ins.in the ground,for ½ sec.cor..mkd.½ on N.face;dig pits,18x18x12 ins.,E.and W.of stone,5 ft.dist.;and raise a mound of earth,5½ ft. base,1½ft.high,N.of cor.
80.20	The cor.of secs.5,6,7,and 8.
	Land,level.
	Soil,sandy loam;2nd rate.
	No timber.
	No grass .
	S.89° 52'W.,on a retracement line bet.secs.6 and 7.
	Note:Knowing that the ½ sec.cor.bet.secs.6 and 7 is standing I take notes of topography on this retracement.
13.00	Leave mesa,bears N.10°E.and S.10°W.
	Desc.
21.00	Bottom of hollow,200 ft.deep,course N.
	Asc.

Resurvey of Subdivision of T.4 S.,R.2 W.-Continued.

Chs.	
33.00	Top of ascent,200 ft.above hollow,bears N.and S.
	Thence over mesa.
40.00	The ¼ sec.cor.,bet.secs.6 and 7,which is sandstone,5x8x8 ins.above ground,firmly set,and mkd.and witnessed as described by the surveyor general,bears N.16lks.dist.
54.00	Leave mesa,bears N.70° E.and S.70° W.
	Desc.
63.00	Foot of descent,200 ft.below mesa,bears N.60° E.and S.60° W.
	Thence over nearly level land.
65.50	Canal,12 lks.wide,1 ft.deep,course N.60° E.
79.70	Intersect W.bdy.of Tp.32lks.S.of the cor.of secs.1,6,7, and 12,heretofore described.
	The course of this line is therefore S.89° 54'E.,79.70 chs.
	July 15,1904:At the noon hour the sky is overcast and solar observations are impossible.

For reasons already explained I run

S.0° 4'E.,on resurvey line bet.secs.7 and 8.

Over level mesa.

40.00	Find no trace of the old cor.
	Set a hard sand cobble stone,18x10x8 ins.,12 ins in the ground,for ¼ sec.cor..mkd.¼ on W.face;dig pits,18x18x12 ins.N.and S.of stone,5 ft.dist.;and raise a mound of earth,3½ ft.base,1½ ft.high,W.of cor.
44.00	Leave mesa,bears E.and W.
	Asc.
56.00	Top of ascent,bears E.and W.30 ft.above mesa.
	Thence over mesa.
80.00	Find no trace of the old cor.
	Set a sand cobble stone,18x10x 5 ins.,12 ins.in the

Resurvey of Subdivision of T.4 S. R.2 W.-Continued.

Chs. ground, for cor. of secs.7,8,17, and 18, mkd. with 4 notches on S. and 5 notches on E. edges; dig pits, 18x18x12 ins. in each sec. 5½ ft. dist.; and raise a mound of earth, 4 ft. base 2 ft. high, W. of cor.

Land, level and rolling.

Soil, sandy loam; 2nd rate.

No timber.

S. 89° 54' E., on a random line bet. secs. 8 and 17.

40.00 Find no trace of the old cor.

Set temp. ¼ sec. cor.

80.26 Intersect N. and S. line, 23 lks. S. of the cor. of secs. 8, 9, 1[illegible] and 17.

Thence I run

S 89° 56' W. on a true line bet. secs. 8 and 17.

Over level mesa.

40.13 Find no trace of the old cor.

Set a sandstone, 14x8x6 ins., 9 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.; and raise a mound of earth, 3½ ft. base, 1½ ft. high, N. of cor.

80.26 The cor. of secs. 7, 8, 17, and 18.

Land, level.

Soil, sandy loam; 2nd rate.

No Timber,

No grass.

N. 89° 54' W., on a random line bet. secs. 7 and 18.

40.00 Find no trace of the old cor. Set temp. ¼ sec. cor.

79.94 Intersect W. bdy. of Tps., 9 lks. N. of the cor. of secs.

Resurvey of Subdivision of T 4 S .R 2 W -Continued

Chs.	
	7,12,13,and 18.
	Thence I run
	S.89° 58'E.,on a true resurvey line.bet.secs.7 and 18.
	Over level mesa.
30.94	Find no trace of the old cor.
	Set a sandstone,24x12x6 ins.,18 ins.in the ground,for ¼ sec.cor.. mkd.¼ on N.face;and raise a mound of stone, 2ft.base,1½ ft.high,W.of cor.
	Leave mesa,bears N.10° E.and S.10° W.
	Desc.
45.00	Bottom of hollow,50 ft.below mesa,course N.
	Asc.
50.00	Top of ascent,50 ft.above hollow,bears N.10° E.and S.10° W.
	Thence over mesa.
79.94	The cor.of secs.7,8,17,and 18.
	Land, level. Soil, sandy loam, 2nd rate. No timber.
	July 15,1904.

	July 16,1904 :At 7 h 2 m a.m.,l.m.t.,I set off 40° 09'N. on the lat.arc;21° 25'N.,on the decl.arc;and determine a mer.with the solar,at the cor.of secs.7,8,18,and 17.
	Thence I run
	S.0° 4'E.,on resurvey line bet.secs.17 and 18.
	Over levelmesa;
36.00	Begin descent,bears E.and W.
40.00	Find no trace of old cor.
	Set a sandstone,24x10x6 ins.,18 ins.in the ground,for ¼ sec.cor.,mkd.¼ on W.face;and raise a mound of stone, 2 ft.base,1½ ft.high,W.of cor.
43.00	Bottom of hollow,30 ft.below mesa,course E.
	Asc.
50.00	Top of spur,40 ft.above hollow,bears E.and W.
	Desc.

Resurvey of Subdivision of T 4 S. R.2 W. -Continued.

Chs.

63.00 Bottom of hollow,20 ft.below spur,course N.80° E.

Asc.

69.00 Top of spur,20 ft.above hollow,bears NE and SW.

Desc.

80.00 Find no trace of the old cor.

Set a sandstone,15x10x5 ins.,10 ins.in the ground,for cor.ofsecs.17,18,19,and 20,mkd.with 3 notches on S. and 5 notches on E.edges ;and raise a mound of stone, 2 ft.base,1½ ft.high,W.of cor.

Land,rolling and level.

Soil,sandy loam and gravelly;2nd and 3rd rate.

No timber.

N.89° 56'E.,on a random line bet.secs.17 and 20.

40.00 Find no trace of old cor.

Set temp.¼ sec.cor.

80.30 Intersect N.and S.line,9 lks.N.of the cor.of secs.16, 17,20,and 21.

Thence I run

West,on a true resurvey line bet.secs.17 and 20.

Over nearly level mesa;

40.15 Find no trace of old cor.

Set a flint cobble stone,14x8x5 ins.,9 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.;and raise a mound of earth,3½ ft.base,1½ ft.high,N.of cor.

74.00 Leave mesa and begin ascent,bears N.20° E.and S.20° W.

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

Land,level and rolling .

Soil,sandy loam and gravelly;2nd and 3rd rate.

Resurvey of Subdivision of T.4 S.,R. 2W.-Continued.

Chs.	
	No timber.
	No grass.

	N.89° 58'W.,on a random line bet.secs.18 and 19.
40.00	Set temp.¼ sec.cor. Find no trace of old cor.
80.06	Intersect W.bdy.of Tp.,5 lks.N.of the cor.of secs.13,18, 19,and 24,heretofore described.
	Thence I run
	East,on a true resurvey line bet.secs.18 and 19.
	Over rolling ground.
	Desc.
40.06	Find notrace of the old cor.
	Set a sandstone,16x12x4 ins.,11 ins.in the ground,for ¼ sec.cor..mkd.¼ on N.face;and raise a mound of stone, 2 ft.base,1½ ft.high,N.of cor.
41.00	Bottom of hollow,50 ft.below sec cor.,course NE.
	Asc.
67.50	Top of spur,50 ft.above hollow,bears N.20° E.and S.20°W.
	Desc.
80.06	The cor.of secs.17,18,19,and 20.
	Land,rolling.
	Soil,gravelly;3rd rate.
	No timber.
	No grass.

	S.0° 4'E.,on resurvey line bet.secs.19 and 20.
	Over rolling ground,
	Desc.
40.00	Find no trace of old ¼ sec.cor.
	Set a sandstone,18x10x6 ins.,12 ins.in the ground,for

Resurvey of Subdivision of T.4 S.,R.2 W.-Continued.

Chs.	
	¼ sec.cor. mkd.¼ on W.face;and raise a mound of stone,
2	ft base,1½ ft.high,W.of cor.
61.50	Bottom of hollow,50 ft.below sec.cor.,course N.60° E.
	Asc.
80.00	Find no trace of old cor.
	Set a sandstone,16x6x6 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.edges;and raise a mound of stone,2 ft.base,
	1½ft.high,W.of cor.
	Land,rolling.
	Soil, gravelly;3rd rate.
	No timber.
	Nograss .
	July 16,1904:At this cor.I set off 21° 22'N.,on the decl.
	arc;and at 0 h 2 m p.m.,l.m. t.,I observe the sun on the
	mer.the resulting lat.is 40° 07'N.,which is the proper
	lat.nearly.

	East,on a random line bet.secs.20 and 29.
40.00	Find no trace of the old cor.
	Set temp.¼ sec.cor.
80.16	Intersect N.and S.line,9 lks.N.of the cor.of secs.
	20,21,28, and 29.
	Thence I run
	N.89° 56'W.,on a true resurvey linebet.secs.20 and 29.
	Over rolling ground.
	Asc.
12.00	Top of ascent,50 ft.above sec.cor.,bears N.50° E.and
	S.50° W.
	Thence over nearly level land.
40.08	Find no trace of the old cor.
	Set a sandstone,15x13x5 ins.,10 ins.in the ground,for

Resurvey of Subdivision of T.4 S.,R.2 W.-Continued.

Chs.	
	¼ sec.cor..mkd.¼ on N.face;and raise a mound of stone, 2 ft.base,1½ ft.high,N.of cor.
51.00	Begin descent,bears NE and SW.
56.00	Bottom of hollow,60 ft,below¼sec.cor.,course N.50° E.
	Asc.
65.00	Top of ridge,100 ft.above hollow,bears NE and SW.
	Desc.
80.16	The cor.of secs.19,20,29,and 30.
	Land,rolling.
	Soil,sandy;ord rate.
	No timber.

West,on a random line bet.secs.19 and 30.

40.00	Set temp.¼sec.cor.
	Find no trace of the old cor.
80.02	Intersect W.bdy.of Tp.,14 lks. N.of the cor.of secs.19, 24,25,and 30,heretofore described.
	Thence I run
	N.89° 54'E.,on a true line bet.secs.19 and 30.
	Over rolling land.
	Asc.
22.50	Top of ridge,50 ft.above sec.cor.,bears N.50° E.and S.30° W.
	Desc.
40.02	Find no trace of the old cor.
	Set a sandstone,26x7x6 ins.,19 ins.in the ground,for ¼ sec.cor..,mkd.¼ on N.face;and raise a mound of stone, 2 ft.base,1½ ft.high,N.of cor.
56.00	Bottom of hollow, 75 ft.below ridge,course NE.
	Asc.
80.02	The cor.of secs.19,20,29,and 30.
	Land,rolling.

Resurvey of Subdivision of T 4 S..R.2 W.-Continued.

Chs.	Soil,gravelly;3rd rate.
	No timber.
	No grass.

For reasons already explained I run S.0° 4'E.,on a true resurvey line bet.secs.29 and 30. Over rolling ground,

	Asc.
12.00	Top of ridge,40 ft.above sec.cor.,bears NE and SW.
	Desc.
19.00	Bottom of hollow,50 ft.below ridge,course N.50°E.
	Asc.
28.00	Top of ridge,,60 ft.above hollow,bears N.60°E.and S. 60°W.
	Desc.
40.00	Find no trace of the old 4 sec.cor. Set a sandstone,20x6x5 ins.,15 ins.in the ground,for ¼ sec.cor..mkd.¼ on W.face;dig pits,18x18x12 ins.,N.and S. of stone,5 ft.dist.;and raise a mound of earth,3½ ft. base,1½ ft.high,W.of cor.
48.70	Intersect South Boundary of the Uintah Indian Reservation. Set a sandstone,18x9x4 ins.,12 ins.in the ground,for closing cor.of secs.29 and 30,mkd.C C U I R ,with 5 grooves onN.,5 grooves on E.,and p L on S.faces;and raise a mound of stone,2 ft.base,1½ ft.high,W.of cor.

From the closing cor.the 22nd mile cor.of the bdy.,as established by Deputies A.H.and F.M.Brown,bears as follows:

N.74°45'E.,12.80 chs. to mile stone No.22.

Land,rolling.

Soil,gravelly;3rd rate.

No timber.

No grass .

Survey of Subdivision of T. 4 S., R. 2 W., Continued.

Chs.

July 16,1904.

GENERAL DESCRIPTION.

This township is low rolling hills and rolling and level mesas;and the soil is generally sandy and clay loam; 2nd rate. There is no timber in the township;except along the DuCheene River.

The DuCheene River runs across the northwest corner of the township.

There areno settlers in the township.

There is no mineral in the township.

The township is low and dry and does not produce any thing but a few scrubby shadscales.

July 16,1904.

Andy J. Stewart
U.S.Deputy Surveyor.

BOOK A-309

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, 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 "Z", T 4 S., R 3 W. ....., *Chainman*

....., *Moundman*

....., *Moundman*

....., *Axman.*

....., *Axman.*

....., *Flagman.*

FINAL OATH OF ASSISTANTS.

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

....., *Chainman.*

For final affidavits see Book "Z", T. 4 S., R. 3 W. ....., *Chainman.*

....., *Moundman.*

....., *Moundman.*

....., *Axman.*

....., *Axman.*

....., *Flagman.*

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

SEAL

6—151

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

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

For final affidavit see Book "Z", T 4 S., R. 3 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 _____, 189

SEAL

_____

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, October 18, 1904.

The foregoing field notes of the survey of Retracement and Resurvey of the Subdivision of Township No 4 South, Range No. 2 West, of the Uintah Special Base and Meridian, Utah.

executed by John R. Stewart and Andy J. Stewart, under ~~his~~ their contract No. 271, 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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BOOK A-309

FILED

SEP 27-1904

FIELD NOTES

~~OF THE SURVEY OF THE~~

of the retracement and resurvey of the

NORTH AND WEST BOUNDARIES

of

Township No.4 South Range No.3 West

Of the UINTAH SPECIAL BASE *Meridian,*

STATE OF UTAH

AS SURVEYED BY

John R.Stewart and Andy J.Stewart, *United States Deputy Surveyor,*

Under ~~his~~ their Contract No. 271, *dated* July 22,1903, *189*

Survey commenced July 17,1904, *189*

Survey completed July 20,1904, *189*

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BOOK A-309

NAMES AND DUTIES OF ASSISTANTS.

J. Frank Hoyt	Chainman
John H. Kienke	Chainman
Harvey R. Booth	Moundman
Elmer A. Jacobs	Moundman
George T. Littley	Axman
Bert Carter	Axman
Arthur Harris	Flagman

For preliminary outlas see book T2 T.4S., R2W.

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BOOK A-309

INDEX DIAGRAM.

Township 4 South, *Range* 3 West.

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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

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PRELIMINARY OATHS OF ASSISTANTS.

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

..... *Chainman.*

..... *Chainman.*

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

SEAL

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

..... *Moundman.*

..... *Moundman.*

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

SEAL

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

..... *Axman.*

..... *Axman.*

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

SEAL

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

..... *Flagman.*

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

SEAL

BOOK A-309

Retracement of North boundary of T.4 S. R.3 W.

Servey commenced July 17,1904;and executed with a W.and L.E.Gurley light mountain transit No. - ,with solar attachment.The horizontal limb is provided with two double verviers 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 mer.at Salt Lake City,found correct,and was approved by the surveyor general for Utah,on August 21,1903.

I examine the adjustments of the instrument and correct the level and collimation errors;then,to test the solar apparatus by comparing its indications resulting from solar observations made during p.m.and a.m.hours,with a mer.established by Pol.obsn.I proceed as follows:

At the cor.of Tps.3 and 4 S.,Rs.2 and 3 W.,latitude 40° 10°41'N.,longitude110°14'48"W.,I set off 40°11'N.,on the lat.arc;21°10'N.,on the decl.arc;and at 5 h 2 m p.m.,l.m.t.,I determine a meridian with the solar,and mark a point thereof on a stone already set 5.00 chs.N.of cor.

At 11 h 40.4 m p. m.,l.m.t.,I observe Pol.at eastern elong.in accordance with the Manual,and mark a point in the line thus determined,on a peg driven in the ground, 5.00 chs.N.of the cor.

July 17,1904.

July 18,1904:At 6 h 30 m a.m.,l.m.t.,I lay off the azimuth of Pol.1°34,4'to the west,and mark the mer.thus determined,by cutting a small groove in the stone already set 5.00 chs.N.of the cor.;this mark falls 0.31 ins. east of the mark determined with the solar.

At 7 h 2 ma.m.,l.m.t.,I set off 40°11'N.,on the lat.arc; 21°04'N.,on the decl.arc;and determine a mer.with the solar,and mark a point thereof by a cross on the stone, already set,5.00 chs.N.of the cor.;this mark falls 0.35

Retracement of North boundary of T.4 S. R. 3 W.-Continued.

Chs . ins.east of the mer.established by Pol.obsn.

The solar apparatus by p.m.and a.m.observations defines positions for meridians respectively about 0'16"west and 0'18"east of the mer.established by Pol.obsn.;therefore I conclude that the adjustments of the instrument are satisfactory.

The magnetic bearing of the mer.at 7 h 30,m.a.m.is N.16° 35'W.,the angle thus determined gives the mag.decl. 16° 35'E.

Note :Before beginning the retracement of this bdy.I retraced practically all of the lines of the sub-division of T.4 S.,R.3 W.,and failed to find any corners south of the two mile line from the north boundary ; therefore I conclude to resurvey the township placing the corners as near as possible in their original positions north of the two mile line from the north boundary on account of there being settlers in those two tiersof sections;and to survey the township in the regular manner south of said two mile line.

I therefore now proceed to retrace and resurvey the north and west boundaries of the township placing the missing corners on a true line and at proportional distances between the standing corners.

From the above described cor.of Tps.3 and 4 S.,Rs.2 and 3 W.,I run

S.89° 45'W.,on a retracement line along north bdy.of Tp.,

40.14 The ¼ sec.cor.bet.secs.1 and 36,which is a sandstone, 5x9x5 ins.,above ground,firmly set,and mkd.and witnessed as described by the surveyor general,bears N.67 lks.dist. The course of this line is therefore S.89° 18'E.,40.14 chs.

I dig pits,18x18x12 ins. E.and W.of stone,3 ft.dist.;

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

Chs. and raise a mound of earth,3½ ft .base,1½ ft.high,N.of cor.

I begin at the above described ¼ sec.cor.and run S.89° 45'W.,on a retracement line bet.the west halves of secs.1 and 36.

At 40.00 chs.I find no trace of the old cor.of secs. 1,2,35,and 36,therefore I continue my line ;at 80.chs. find no trace of the ¼ sec.cor.bet.secs.2 and 35.At 120.30 chs.the cor.of secs.2,3,34 and 35,which is sandstone, 7x11x5 ins.,above ground,firmly set,and mkd.and witnessed as described by the surveyor general bears N.39 lks. dist.The course of the resurvey bet.this cor.and the ¼ sec.cor.on N.side sec.1 will be N.89° 56'E.80.20 chs.per mile.I 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.

From the above described cor.of secs.2,3,34,and 35. I run

S.89° 45'W.,on a retracement line bet.secs.3 and 34.

40.00 Find no trace of ¼ sec.cor.

80.00 The cor.of secs.3,4,33,and 34,which is sandstone,7x14x7 ins.above ground,firmly set,and mkd.and witnessed as described by the surveyor general bears N.12 lks.dist. The course of the resurvey line will be therefore N.89° 50'E.,80.00 chs.I raise a mound of stone,2 ft.base, 1½ ft.high,W.of cor.

From the above described cor.of secs.3,4,33,and 34,I run S.89° 45'W.on a retracement line bet.secs.4 and 33.

40.00 Find no trace of ¼ sec.cor.

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

Chs.

80.00 Find no trace of cor.of secs.4,5,32,and 33.

120.00 Find no trace of ¼ sec.cor.bet.secs.5 and 32.

160.20 The cor.of secs.,5,6,31,and 32,which is a sandstone,5x12x8 ins.above ground,firmly set,and mkd.and witnessed as described by the surveyor general bears S.24 lks.dist.

The course of the resurvey of these two miles will be N.89°40'E.,and the length of the miles 80.10 chs.

From the cor.of secs.5,6,31,and 32,described above I run

S.89°45'W.,on a retracement line bet.secs.6 and 31.

40.10 The ¼ sec.cor.bet.secs.6 and 31,which is a sandstone,5x12x8 ins.above ground,firmly set,and mkd.and witnessed as described by the surveyor general,bears S.8 lks.dist.

I raise a mound of stone,2 ft.base,1½ ft.high,N.of cor.

85.60 The cor.of Tps.3 and 4 S.,Rs.3 and 4 W.,which is a sandstone,6x10x6 ins.,firmly set,and mkd.and witnessed as described by the surveyor general bears S.18 lks.dist.

The course of this line is therefore N.89°38'E.,85.60 chs.

I remark the cor.with 3 S.on NE.,3 W.on SE.,4 S.on SW. and 4 W.on NW faces;with 6 grooves on each edge;from which

A cottonwood,5 ins.dia.,bears N.39°E.,127 lks.dist..mkd.T 3 S R 3 W S 31 B T.

A cottonwood,8 ins.dia.,bears S.82°E.,43 lks. dist..mkd.T 4 S R 3 W S 6 B T.

A cottonwood,8 ins.dia.,bears S.76°W.,23 lks. dist..mkd.T 4 S R 4 W S 1 B T.

A cottonwood ,6 ins dia.,bears N.53°W.,51 lks. dist..mkd.T 3 S R 4 W S 36 B T.

Retracement of North boundary of T 4 S R 3 W -Continued

Chs. July 18,1904:At the noon hour the sky is overcast and solar observations are impossible.

From the abovedescribed cor.of Tps.3 and 4 S.,Rs.3 and 4 W.,

I run

South,on retracement line bet.secs.1 and 6.

38.50 The ¼ sec.cor.bet.secs.1 and 6,which is a cobblestone, 8x8x6ins. above ground,firmly set,and mkd.and witnessed as described by the surveyor general bears W.,12 lks.dist.

To better perpetuate the cor.I mark trees as follows:

A cottonwood,6 ins.dia.,bears N.25°E.,252 lks.dist..mkd.¼ S 6 B T.

A cottonwood,5 ins.dia.,bears N.38°W.,191 lks.dist..mkd.¼ S 1 B T.

78.50 The cor.of secs.1,6,7,and 12,which is a sandstone,5x10x4 ins.above ground,firmly set and mkd.and witnessed as described by the surveyor general bears W.23 lks.dist.

The course of this line is therefore N.0°10'E.,78.50 chs.

I raise a mound of stone,2 ft.base,1½ ft.high,W.of cor.

From the abovedescribed cor.of secs.1,6,7,and 12.

I run

South,on retracement line bet.secs.7 and 12.

40.00 Find no trace ofold ¼ sec.cor.bet.secs.7 and 12.

80.00 The cor.of secs.7,12,13,and 18,which is a sandstone,5x9x5 ins.above ground,firmly set,and mkd.and witnessed as described by the surveyor general,bears W.19 lks.dist.

The course of the resurvey of this line will be N.0°8'E. 80.00 chs. I dig pits,18x18x12 ins.in each sec.5½ ft.dist.;

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

Chs. and raise a mound of earth,4 ft.base,2 ft.high,W.of cor.

From the above described cor.of secs.7,12,13,and 18.

I run

South,on retracement line bet.secs.13 and 18.,

I find no trace of any of the corners from here south

until at 320.32 chs.the standard cor.of Tps.4 S.,Rs.3 and

4 W.,heretofore described ,bears W.47 lks.dist.

The course of this resurvey will be therefore

N.0° 5'E.,and the length of each mile 80.08 chs.

July 18,1904.

July 19,1904:At 7 h 2 m a.m.,l.m.t.,I set off 40° 05'N.,

on the lat.arc;20° 54'N.,on the decl.arc;and determinea

mer.with the solar,at the standard cor.of Tps.4 S.,Rs.

3 and 4 W.,

Thence I run

N.0° 5'E.,on a true resurvey line bet.secs.31 and 36.

Over rolling mountainous land;through dense sage brush

and shadscales.

Desc.

6.50 Bottom of hollow,75 ft.below cor.course N.80° E.

Asc.

7.50 Old road,bears N.80° E.and S.80° W.

20.00 Tpp of spur,80 ft.above hollow,bears N.80° E.and S.80° W.

Desc.

28.00 Bottom of hollow,100 ft.below spur,course N.80° E.

Asc.

40.04 Find no trace of the old cor.,after diligent search,

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

Chs.	
	Set a sandstone, 24x10x4 ins., 18 ins. in the ground, for ¼ sec. cor., mkd. ¼ on W. face; and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
49.00	Top of spur, 100 ft. above hollow, bears E. and W.
	Desc.
52.00	Bottom of hollow, 75 ft. below spur, course E.
	Asc.
75.00	Top of ridge, 125 ft. above hollow, bears NE and SW.
	Desc.
80.08	I search dilligently but fail to find any traces of the old cor.
	Set a sandstone, 20x12x4ins., 15 ins. in the ground, for cor. of secs. 25, 30, 31, and 36, 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.
	Land, mountainous.
	Soil, sandy and gravelly; 3rd rate.
	No timber.
	Undergrowth, shadscales and greasewoods.
	No grass.
	Mountainous land, or land covered with dense undergrowth, 80.08 chs.

	N. 0° 5' E., on a true resurvey line bet. secs. 25 and 30. Over rolling mountainous land; through scattering undergrowth.
	Desc.
11.00	Bottom of sharp hollow, 100 ft. below sec. cor., course NE.
	Asc.
12.00	Top of spur, 50 ft. above hollow, bears NE and SW.
	Desc.
21.75	Bottom of canon, 150 ft. below spur; course N. 80° E.
	Asc.

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

Chs.

40.06 I find no trace of the old cor.

Set a sandstone,20x10x4 ins.,15 ins.in the ground,for ¼ sec.cor..mkd.¼ on W.face;and raise a mound of stone, 2 ft.base,1½ ft.high,W.of cor.

42.50 Top of spur,200 ft.above canon,bears N.80° E.and S.80° W.

Desc.

80.08 Bottom of swale,130 ft.below ridge,course N.80° E.

Find no trace of the old cor.of secs.19,24,25,and 30.

Set a sandstone,18x7x5 ins.,12 ins.in the ground,for cor.of secs.19,24,25,and 30,mkd.with 4 notches on N.and 2 notches on S.edges;dig pits,18x18x12 ins. in each sec.5½ ft.dist.;and raise a mound of earth,4 ft.base,2 ft.high, W.of cor.

Land,rolling mountainous.

Soil,sandy and gravelly;3rd rate.

No timber.

Undergrowth sage brush,shadscales,and greasewoods.

A very little grass .

Mountainous land,80.08 chs.

N.0° 5'E.,on a true resurvey line bet.secs.19 and 24.

Over rolling ground,through scattering undergrowth.

Asc.

20.00 Top of ridge,50 ft.above sec.cor..,bears N.80° E.and S.80° W.

Desc.

40.04 Find no trace of the old ¼ sec.cor.

Set a gray limestone,20x12x4 ins.,15 ins.in the ground, for ¼ sec.cor..,mkd.¼ on W.face;and raise a mound of stone,2 ft.base,1½ ft.high,W.of cor.

45.00 Bottom of swale,40 ft.below ridge,course E.

Asc.

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

Chs.	
65.00	Top of ridge,60 ft.above hollow,bears NE and SW.
	Desc.
73.00	Bottom of hollow,120 ft.below ridge,course N.30° E.
	Asc.
80.08	Find no trace of the old cor.
	Set a sandstone ,20x12x4 ins.,15 ins.in the ground,for cor.of secs.13,18,19,and 24,mks.with 3 notches on S.,and N.edges;and raise a mound of stone,2 ft.base,1½ ft.high, W.of cor.
	Land,rolling.
	Soil,sandy and gravelly;3rd rate.
	No timber.
	Undergrowth,sage brush and shadscales.
	A very little grass .
	July 19,1904:At this cor.I set off 20° 50'N.,on the decl. arc;and at 0 h 2 m p.m.,l.m.t.,I observe the sun on the mer.the resulting lat.is 40° 08'N.,which is the proper lat.nearly.

	N.0° 5'E.,bn a true resurvey line bet.secs.13 and 18.
	Over rolling ground,through scattering undergrowth.
	Desc.
10.00	Bottom of hollow,50 ft.below ridge,course N.80° E.
	Asc.
39.00	Top of ridge,60 ft.above hollow,bears N.80° E.and S.80° W.
	Desc.
40.04	Find no trace of the old ¼ sec.cor.
	Set a cobblestone,14x10x7 ins.,9 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.;and raise a mound of earth,3½ ft. base,1½ ft.high,W.of cor.

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

Chs.	
61.50	Bottom of hollow,40 ft.below ridge,course E.
	Asc.
61.75	Colton- Vernal road,bears N.80° E.and S.80° W.
70.00	Top of spur,25 ft.above hollow,bears N.80° E.and S.80° W.
	Desc.
80.08	The cor.of secs.7,12,13,and 18.
	Land,rolling.
	Soil,sandy and gravelly;3rd rate.
	No timber.
	Undergrowth,sage brush and sahdscales.
	No grass .
	N.0° 8'E.,on a true resurvey line bet.secs.7 and 12.
	Over rolling ground. through scattering undergrowth.
	Desc.gradually.
40.00	Find no trace of the old cor.
	Set a cobblestone,16x10x5 ins.,11 ins.in the ground,for ¼ sec.cor..mkd.¼ on W.face;and raise a mound of stone, 2 ft.base,1½ ft.high,W.of cor.
40.25	Begin abrupt descent,bears N.70° E.and S.70° W.
49.00	Bottom of hollow,160 ft.below ¼ sec.cor.,course N.60° E.
	Asc.
60.00	Top of ridge,160 ft.above hollow,bears NE and SW.
	Desc.
75.00	Bottom of hollow,175 ft.below ridge,course N.80° E.
	Asc.
80.00	The cor.of secs.1,6,7,and 12.
	Land,mountainous and rolling.
	Soil,sandy and gravelly;3rd rate.
	No timber.
	Undergrowth,sage brush and shadscales.

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

Chs.

A ver little grass.

Mountainous land,39.75 chs.

July 19,1904.

July 20,1904:At 7 h 2 m a.m.,l.m.t.,I set off 40° 11'N., on the lat.arc;20° 43'N.,on the decl.arc;and determine a mer.with the solar at the cor.of secs.5,6,31 ,and 32,on N.bdy.of Tp.,heretofore described.

Thence I run

N.89° 40'E.,on a true resurvey line bet.secs.5 and 32.

Over broken ground and steep side hill sloping toward the south.

40.05 Find no trace of the old ¼ sec.cor.

Set a quartzite stone,18x10x4 ins .,12 ins.in the ground,fo for ¼ sec.cor..mkd.¼ on N.face;and raise a mound of stone, 2 ft.base,1½ ft.high,N.of cor.

76.40 Top of ridge,200ft.above ¼ sec.cor. ,bears NW and SE. desc.

80.10 Find no trace of the old cor.

Set a sandstone,18x9x4 ins.,12 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;and raise a mound of stone,2 ft. base,1½ ft.high,W.of cor.

Land,mountainous.

Soil,gravelly and rocky;3rd and 4th rate.

No timber.

No grass .

Mountainous land,80.10 chs.

N.89° 40'E.,on a true resurvey line bet.secs.4 and 33.

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

Chs.	
	Over mountainous land.
	Desc.
6.50	Bottom of hollow, 150 ft.below sec.cor.,course S.30° E.
	Asc. Abruptly.
23.00	Top of ascent,550 ft.above hollow,bears N.40° W.and S.40° E.
	Thence across high mesa .
40.05	Find no trace of the old cor.
	Set a sandstone,20x6x6 ins.15 ins.in the ground,for ¼ sec.cor..mkd.¼ on N.face;and raise a mound of stone,2 ft.base,1½ ft.high,N.of cor.
49.00	Leave mesa,bears N.20° W.and S.20° E.
	Desc.abruptly through scattering scrubby cedar timber.
68.00	Leave timber,bears N.and S.
75.00	Bottom of swale,400 ft.below mesa, course NE.
	Asc.
80.10	The cor.of secs.3,4,33,and 34.
	Land,mountainous and level.
54.00	Soil,gravelly and rocky;3rd and 4th rate.
	Timber,cedar.
	No grass .
	Mountainous land,54.00 chs.
	July 20,1904:At this cor.I set off 20° 39'N.,on the decl. arc;and at 0 h 2 m p.m.,l.m.t.,I observe the sun on the mer.the resulting lat.is 40° 11'N.

N.89° 50'E.,on a true resurvey line bet.secs.3 and 34.

	Over mountainous land;through scattering undergrowth.
	Asc.
4.00	Top of ridge,60 ft.above sec.cor.,bears NE and SW.
	Desc.
7.00	Foot of descent,75 ft.below ridge,bears NE and SW.
	Thence over rolling mesa.

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

Chs.	
18.25	Heber-Vernal road,bears NE and SW.
40.00	Find no trace of the old ¼ sec.cor.
	Set a sandstone,20x8x4 ins.,15 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.;and raise a mound of earth,3½ ft.base, 1½ ft.high,N.of cor.
80.00	The cor.of secs.2,3,34,and 35.
	Land,mountainous and rolling mesa.
	Soil,gravelly and sandy loam;2nd and 3rd rate.
	No timber.
	No grass .
	Mountainous land,7.00 chs.

N.89° 56'E.,on a true resurvey line bet.secs.2 and 35.

	Over rolling mesa.
18.50	Wash,10 lks.wide,3 ft.deep,course NE .
20.00	Heber-Vernal road,bears N.20° E.and S.20° W.
40.10	Find no trace of the old ¼ sec.cor.
	Set a cobblestone,15x10x6 ins.,10 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.;and raise a mound of earth,3½ ft. base,1½ ft.high,N.of cor.
56.00	Leave mesa,bears NE and SW. ascend .
59.00	Top of ascent,60 ft.above mesa,bears NE and SW.
	Thence over mesa.
80.20	Fail to find any trace of the old cor.
	Set a sandstone,15x12x6 ins.,10 ins.in the ground,for cor.of secs.1,2,35,and 36,mkd.with 5 notches on W.and 1 notch on E.edges;and raise a mound of stone,2 ft.base, 2 ft.high,W.of cor.
	Land,level and rolling.
	Soil,sandy loam;2nd rate.

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

Chs. No timber.

N.89° 56'E.,on a true resurvey line bet.the west halves of secs.1 and 36.

Over rolling mesa.

40.10 The ¼sec.cor.bet.secs.1 and 36,heretofore described

Land,level .

Soil,sandy loam;2nd rate.

No timber.

July 20,1904.

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

Latitudes,departures,and closing errors.

Line designated	Course	Distance chs.	Latitudes N. chs	Latitudes S. chs.	Departures E. chs	Departures W. chs.
W.bdy.T.4 S.,R.3 W.	N.0° 5'E.	320.32	320.32		.48	
W.bdy.T.4 S.,R.3 W.	N.0° 8'E.	80.00	80.00		.19	
W.bdy.T.4 S.,R.3 W.	N.0° 10'E	78.50	78.50		.23	
N.bdy.T.4 S.,R.3 W.	N.89° 38'E.	85.60	.51		85.60	
N.bdy.T.4 S.,R.3 W.	N.89° 40'E	160.20	.93		160.20	
N.bdy.T.4 S.,R.3 W.	N.89° 50'E.	80.00	.23		80.00	
N.bdy.T.4 S.,R.3 W.	N.89° 56'E	120.30	.14		120.30	
N.bdy.T.4 S.,R.3 W.	S.89° 18'E.	40.14		.50	40.14	
E.bdy.T.4 S.,R.3 W.	S.0° 6'W.	81.00		81.00		.14
E.bdy.T.4 S.,R.3 W.	S.0° 2'W.	240.12		240.12		.14
E.bdy.T.4 S.,R.3 W.	South	70.16		70.16		
S.bdy.U.S.Reservation	S.74° 45'W	144.44		37.99		139.35
S.bdy.U.S.Reservation	S.19° W.,	51.61		48.99		16.87
1st Standard Par.S.	West	10.85				10.85
1st StandardPar. S.	S.89° 47'W.	81.01		.30		81.01
1st Standard Par.S.	S.89° 34'W	240.64		1.83		240.64
Convergency					.64	
Totals			480.64	480.89 480.64	487.75	489.00 487.75
Error in lat.				.25		
Error in dep.						1.25

Resurvey of N.bdy.T.4 S.,R.3 W.-Concluded.

For General Descriotion see notes of the Subdivision of T.4 S.,R.3 W.

July20,1904.

Andy J. Stewart
U.S.Deputy Surveyor.

Volume
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R0309

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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 Andy J. Stewart, United States Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the ~~survey of~~ retracement and resurvey of the N. and W. bdrs. of T. 4 S., R. 2 W.; and T. 4 S., R. 3 W., of the Uintah Special Base and Meridian, Utah showing the respective capacities in which they acted:

J. Frank Hoyt, *Chainman.*
John H. Kienke, *Chainman.*
Harvey R. Booth, *Moundman.*
Elmer A. Jacobs, *Moundman.*
George T. Littley, *Axman.*
Bert Carter, *Axman.*
Arthur Harris, *Flagman.*

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted Andy J. Stewart, United States Deputy Surveyor, in retracing and resurveying all those parts or portions of the N. and W. bdrs. of T. 4 S., R. 2 W.; and of T. 4 S., R. 3 W., of the Uintah Special Base and ~~of the~~ meridian, State of Utah, which are represented in the foregoing field notes as having been retraced & resurveyed ~~surveyed~~ by him and under his direction; and that said retracement & resurvey 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.

J. Frank Hoyt, *Chainman.*
John H. Kienke, *Chainman.*
Harvey R. Booth, *Moundman.*
Elmer A. Jacobs, *Moundman.*
George T. Littley, *Axman.*
Bert Carter, *Axman.*
Arthur Harris, *Flagman.*

Subscribed and sworn to before me this 14th day of August 1904, ~~189~~

SEAL

Andy J. Stewart
U.S. Dep. Surv.

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FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, Andy J. Stewart, 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 22nd day of July, 1903, 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, retraced and resurveyed all those parts or portions of the N. and W. bdies. of T. 4 S., R. 3 W.; and of T. 4 S., R. 3 W.,

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

Andy J. Stewart
United States Deputy Surveyor.

Subscribed by said Andy J. Stewart, and sworn to before me this 21st day of September 1904

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

SEAL

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL.

Salt Lake City, Utah, October 18, 1904.

The foregoing field notes of the retracement and resurvey of the North and West Boundaries of Township No. 4 South, Range No. 3 West, of the Uintah Special Base and Meridian, State of Utah.

executed by John R. Stewart and Andy J. Stewart, under Contract No. 271, dated July 22, 1904, 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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PAGE

4—679.

BOOK A-309

FILED
SEP 27 1904

Z.5

FIELD NOTES

~~OF THE SURVEY OF THE~~

of the retracement and resurvey of the

SUBDIVISION

of

Township No.4 South, Range No.3 West,

Of the UINTAH SPECIAL BASE AND *Meridian,*

STATE OF UTAH

AS SURVEYED BY

John R. Stewart and Andy J. Stewart, *United States Deputy Surveyor,*

Under ~~his~~ their *Contract No.* 271, *dated* July 22, 1903, ~~189~~

Survey commenced July 21, 1904, *189*

Survey completed August 1, 1904. *189*

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Remaining high 16.76 55

Ret. Ave 4.53 98

Res " 37.80 69

Closing 45.89

BOOK A-309

NAMES AND DUTIES OF ASSISTANTS.

J. Frank Hoyt	Chainman
John H. Kienke	Chainman
Harvey R. Booth	Moundman
Elmer A. Jacobs	Moundman
George T. Littley	Axman
Bert Carter	Axman
Arthur Harris	Flagman
	73 4 S. 2 W

For preliminary affidavits see book "Z3" T. 4 S., R. 2 W.

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BOOK A-309.

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Township 4 South, *Range* 3 West

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

Meanders Page

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PRELIMINARY OATHS OF ASSISTANTS.

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

.....

....., *Chainman.*

....., *Chainman.*

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

.....

SEAL

.....

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

.....

....., *Moundman.*

....., *Moundman.*

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

.....

SEAL

.....

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

.....

....., *Axman*

....., *Axman*

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

.....

SEAL

.....

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

....., *Flagma*

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

.....

SEAL

.....

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

Chs. Survey commenced July 21 ,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 mer.at Salt Lake City,found correct,and was approved by the surveyor general for Utah,on August 21,1903.

I examine the adjustments of the instrument and correct the level and collimation errors;then,to test the solar apparatus by comparing its, indications resulting from solar observations made during p.m.and a.m.hours,with a mer.established by Pol.observation;I proceed as follows:

At the cor.of secs.1,2,35,and 36,on N.bdy.of Tp., latitude 40° 10'41"N.,longitude 110° 13'56"W.,I set off 40° 11'N.,on the lat.arc;20° 26'N.,on the decl.arc;and at 5 h 2 m p.m.,l.m.t.,I determine a mer.with the solar and mark a point thereof on a stone firmly set in the ground,5.00 chs.N.of cor.

At 11 h 30.9 m p.m.,l.m.t.,I obs.Pol.at eastern elong. in accordance with the Manual,and mark a point in the line thus determined,on a peg driven in the ground,5.00 chs.N.of the cor.

July 21,1904.

July 22,1904:At 6 h 30 m a.m.,l.m.t.,I lay off the azimuth of Pol.1° 34.4'to the west,and mark the mer.thus determined,by cutting a small groove in the stone already set 5.00 chs.N.of the cor.;this mark falls 0.3 ins.east of the mark determined with the solar.

At 7 h 2 m a.m.,l.m.t.,I set off 40° 11'N.,on the lat.arc; 20° 19'N.,on the decl.arc;and mark the mer.determined with the solar,by a cross on the stone already set 5.00 chs.

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

Chs. N.of the cor.;this mark falls 0.32 ins.east of the mer. established by Pol.obsn.;

The solar apparatus by p.m.and a.m.observations defines positions for meridians respectively about 0'16"west and 0'17"east of the mer.established by Pol.obsn.;therefore I conclude that the adjustments of the instrument are satisfactory.

The magnetic bearing of the mer.at 7 h 30 m a.m.,is N.16° 34'W.,the angle thus determined gives the mag.decl. 16° 34'E.

From the cor.of secs.1,2,35,and 36,on N.bdy.of Tp.,heretofore described.

I run

S.0° 31'W.,on a retracement line bet.secs.1 and 2.

40.76 The point for ¼ sec.cor. falls in DuChesne River.find no trace of cor.

81.40 I fall 50 lks.W.of a decayed cottonwood post in an old mound,which is without doubt the cor.of secs.1,2,11,and 12.

I destroy the old cor.and in its place set a limestone, 30x5x4 ins.,22 ins.in the ground,for cor.of secs.1,2,11, and 12,mkd.with 5 notches on S.and 1 notch on E.edges; dig pits,18x18x12 ins.in each sec.5½ ft.dist.;and raise a mound of earth,4 ft.base 2 ft.high,W.of cor.

Thence I run

N.0° 10'E.,on a true resurvey line bet.secs.1 and 2.

Over level land;through dense greasewoods.

15.25 Colton-Vernal road,bears E.and W.

25.60 Heber-Vernal road,bears E.and W.

28.00 Leave greasewoods and enter dense willows,bears E.and W.

32.00 Right bank of DuChesne River,rocky bottom,rapid current,

Resurvey Subdivision of T.4 S. R.3 W.-Continued.

Chs. 2 ft.deep,course N.

The line runs along the river bed for some distance therefore At this point I set a witness cor.as follows: A cottonwood,6 ins.dia.,for ¼ sec.cor.,I mark W C ¼ S 2 on W.side N on E. side;from which

A cottonwood ,6 ins.dia.,bears N.75° E.,125 lks.dist..mkd.W C ¼ S 1 B T.

A cottonwood,4 ins.dia.,bears S.35°W.,150 lks.dist..mkd.W C ¼ S 2 B T.

Thence along river bed.

40.30 By proportional dist.point for ¼ sec.cor.falls in river.

48.00 Left bank of DuChesne River,course E.

49.00 Leave willows,bears E.and W.

Begin ascent,bears E.and W.

50.00 Top of ascent,80 ft.above river bottom,bears E and W.

Thence over mesa.

61.40 The cor.of secs.1,2,35,and 36.

Land,level and rolling.

Soil,clay and sandy loam;2nd rate.

Timber,A few cottonwoods along river.

Undergrowth,greasewoods and willows.

A very little grass .

Land,covered with dense undergrowth,49.00 chs.

S.89° 48'E.,on a retracement line bet.secs.1 and 12.

40.22 Find no trace of the old ¼ sec.cor.

80.30 Intersect E.bdy.of Tp.,37 lks.S.of the cor.of secs. 1,6 ,7,and 12. heretofore described.

Thence I run

S.89° 56'W.,on a true resurvey line bet.secs.1 and 12.

Over nearly level land.

21.87 Water ditch,3 lks.wide,6 ins.deep,course N.

40.15 Find no trace of the old cor.

Retracement and Resurvey of T 4 S R 3 W -Continued

Chs. Set a cobblestone,18x7x6 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.;and raise a mound of earth,3½ ft. base,1½ ft.high,N.of cor.

48.65 Old road,bears N.70° E.and S.70° W.

75.40 Water ditch,3 lks.wide,6 ins.deep;course N.

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

Land,level.

Soil,sandy and clay loam;2nd rate.

No timber.

No grass.

South,on a retracement line bet.secs.11,and 12.

40.00 Find no trace of the old ¼ sec.cor. Set temp.¼ sec.cor.

80.18 Intersect E.and W.line,16 lks.E.of the cor.of secs. 11,12,13,and 14,which is a sandstone,7x8x7 ins.,above ground,firmly set,and mkd.and witnessed as described by the surveyor general.To perpetuate the cor.I raise a mound of stone,2 ft.base,1½ ft.high,W.of cor.

Thence I run

N.0° 6'E.,on a true resurvey line bet.secs.11 and 12.

Over rolling ground,

Asc.

3.00 Top of spur,40 ft.above sec.cor.,bears E.and W.

Desc.

13.00 Foot of descent,60 ft.below ridge,bears E.andW.

Thence over nearly level land.

40.09 Find no trace of the old ¼ sec.cor.

Set a quartzite stone,15x10x5 ins.,10 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;and raise a mound of earth,3½ ft.base,1½ ft.high,W.of cor.

Retracement and Resurvey of Subdivision of T. 4 S. R. 3 W.-Continued

Chs.	
42.15	Canal, 12 lks. wide, 10 ins. deep, course N. 75° E.
43.00	An indian Bowery and Teepee bears W. 100 lks. dist.
43.10	Old road, bears N. 30° E. and S. 50° W.
80.18	The cor. of secs. 1, 2, 11, and 12.
	Land, rolling and level.
	Soil, sandy loam and gravelly; 2nd and 3rd rate.
	No timber.
	No grass.
	July 22, 1904: At this cor. I set off 20° 16' N., on the decl. arc; and at 0 h 2 m p.m., l.m.t., I observe the sun on the mer. the resulting lat. is 40° 10' N., which is the proper lat. nearly.
	N. 89° 56' E., on a retracement line bet. secs. 12 and 13.
40.00	Find no trace of the cor.
	Set temp. ¼ sec. cor.
80.20	Intersect E. bdy. of Tp., 10 lks. S. of the cor. of secs. 7, 12, 13, and 18, heretofore described.
	Thence I run
	S. 89° 52' W., on a true resurvey line bet. secs. 12 and 13.
	Over rolling mesa.
40.10	Find no trace of the old ¼ sec. cor.
	Set a sand cobblestone, 16x10x6 ins., 11 ins. in the ground, for ¼ sec. cor. mkd. ¼ on N. face; and raise a mound of stone, 2 ft base, 1½ ft. high, N. of cor.
48.50	Leave mesa, bears N. 20° W. and SE.
	Desc.
59.50	Bottom of hollow, 150 ft. below mesa, course N. 10° W.
	Asc.
75.00	Top of ridge, 150 ft. above hollow, bears N. 20° E. and S.
	Desc.
80.20	The cor. of secs. 11, 12, 13, and 14.
	Land, rolling.

Resurvey of Subdivision of T 1 S R 3 W -Continued

Soil,sandy loam and gravelly;2nd and 3rd rate.

No timber.

No grass.

Note:On account of not finding any corners south of this cor.I run

S.0° 1'E.,on a resurvey line bet.secs.13 and 14.

Over rolling ground,

Desc.

.75 Bottom of hollow,50 ft.below sec.cor.,course W.

Asc.

13.00 Top of spur,60 ft.above hollow,bears N.25° E.and S.25° W.

Desc.

23.00 Foot of descent,50 ft.below ridge,bears N.25° E.and S.25° W.

Enter bottom of broad hollow.

40.00 Find no trace of old cor.

Set a quartzite stone,16x10x6 ins.,11 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.;and raise a mound of earth,3½ ft. base,1½ ft .high,W.of cor.

55.00 Commence ascent,bears E.and W.

60.00 Top of ascent,60 ft.above hollow,bears E.and W.

Thence over rolling mesa.

80.00 Find no trace of the old cor.

Set a cobble stone,18x10x6 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.edges;and raise a mound of stone,2 ft.base, 1½ ft.high,W.of cor.

Land,rolling and nearly level.

Soil,gravelly and sandy;3rd rate.

No timber.

No grass .

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

Chs.	
	N.89° 52'E.,on a random retracement line bet.secs.13 and 24.
40.00	Find no trace of cor.Set temp.¼ sec.cor.
80.20	Intersect E.bdy.of Tp.,10 lks.N.of the cor.of secs. 13,18,19,and 24,heretofore described.
	Thence I run
	S.89° 56'W.,on a true resurvey line bet.secs.13 and 24.
	Over rolling ground
	Asc.
14.00	Top of ridge,40 ft.above cor.,bears N.and S.
	Desc.
36.00	Foot of descent,100 ft.below ridge,bears N.and S.
	Enter bottom of broad hollow.
40.10	Find no trace of old cor.
	Set a sandstone,20x12x4 ins.,15 ins.in the ground,for ¼ sec.cor..mkd.½ on N.face;and raise a mound of stone, 2 ft.base,1½ ft.high,N.of cor.
74.00	Leave bottom of hollow,bears NE and SW.
	Asc.
79.00	Top of ascent,40 ft.above hollow,bears NE and SW.
	Thence over mesa.
80.20	The cor.of secs.13,14,23,and 24.
	Land,rolling and nearly level.
	Soil,sandy loam and gravelly;2nd and 3rd rate.
	No timber.
	No grass.

July 22,1903.

Resurvey of Subdivision of T.4 S.,R.3 W.- ontinued.

Chs.	
	July 23,1904:At 7 h 2 m a.m.,l.m.t.,I set off 40°08'N., on the lat.arc;20°07'N.,on the decl.arc;and determine a mer.with the solar,at the cor.of secs.13,14,23,and 24.
	Thence I run
	S.0°1'W.,on a resurvey line bet.secs.23 and 24.
	Over mesa.
1.00	Leave mesa,bears NE and SW.
	Desc.
6.00	Foot of descent,50 ft.below mesa,bears NE and SW.
	Thence over rolling ground.
40.00	Find no trace of old cor.
	Set a sandstone,30x10x4 ins.,22 ins.in the ground,for ¼ sec.cor..mkd.. on W.face;and raise a mound of stone, 2 ft.base,1½ ft.high,W.of cor.
80.00	Find no trace of old cor.
	Set a sandstone,24x12x4 ins.,18 ins.in the ground,for cor.of secs.23,24,25,and 26,mkd.with 2 notches on S.and 1 notch on N.edge;sa;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 nearly level.
	Soil,sandy loam;2nd rate.
	No timber.
	No grass.

	N.89°56'E.,on a random line bet.secs.24 and 25.
40.00	Find no trace of old cor. Set temp.¼ sec.cor.
80.33	Intersect E.bdy.of Tp.21 lks.N.of the cor.of secs. 19,24,25,and 30,heretofore described.
	Thence I run
	N.89°55'W.,on a true resurvey line bet.secs.24 and 25.
	Over rolling ground,

R survey of Subdivision of T 4 S. R.3 W.-Continued.

Chs.	
	Desc.
20.00	Bottom of hollow,50 ft.below sec.cor.,course N.50° E.
	Asc.
40.16	Find no trace of old cor.
	Set a sandstone,18x12x6 ins.,12 ins.in the ground,for ¼ sec.cor..mkd.¼ on N.face;and 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.
59.00	Top of ridge,100 ft .above hollow,bears N.20° E.and S.20° W.
	Desc.
61.00	Wash,10 lks.wide,3 ftt.deep,course N.20° E.,at foot of descent,60 ft.below ridge,bears N.20° E.and S.20° W.
	Thence over nearly level ground.
73.00	Wash,10 lks.wide,3 ft.deep,course NE .
80.32	The cor.of secs.23,24,25,and 26.
	Land,rolling and nearly level.
	Soil,sandy loam and gravelly;2nd and 3rd rate.
	No timber.
	July 23,1904:At the noon hour the sky is overcast and solar observations are impossible.

S.0° 1'E.,on a resurvey line bet.secs.25 and 26.

Over gently rolling ground.

4.50	Wash,20 lks.wide,2 ft.deep,course N.80° E.
40.00	Find no trace of cor.
	Set a sandstone,18x10x6 ins.,12 ins.in the ground,for ¼ sec.cor..mkd.¼ on W.face;and dig pits,18x18x12 ins., N.and S.of stone,3 ft.dist.;and raise a mound of earth,3½ ft.base,1½ ft.high,W.of cor.
60.00	Wash,20 lks.wide,4 ft.deep,course N.80° E.
80.00	Find no trace of the old cor.

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

Chs. Set a sandstone,18x11x4 ins.,12 ins.in the ground,for cor.of secs.25,26,and 35;mkd.with 1 notches on S.,and E. edges;dig pits,24x18x12 ins.in secs.25,26,and 35,5½ ft. dist.;and raise a mound of earth,4 ft.base,2 ft.high, W.of cor.

Note:I mark this cor.for two sections only because frac.sec.36 would be so small that I conclude to make it a part of sec.25.

Land,rolling.

Soil,sandy loam and gravelly ;2nd and 3rd rate.

No timber.

No grass .

For reasons already explained I run S.0°1'E.,on a true resurvey line bet.secs.25 and 36. Over rolling ground,

11.85 Intersect South Boundary of the Uintah Indian Reservatio

Set a sandstone,20x12x3 ins.,15 ins.in the ground,for closing cor.of frac.secs.25 and 35,mkd.with C C U I R., with 5 grooves on N.,1 groove on E.and P L on S.faces; dig pits,one 30x24x12 ins.,SW of stone,7 ft.,and one 24x18x12 ins. N.of stone,7 ft.dist.;and raise a mound of earth,4 ft.base,2 ft.high,N.of cor.

From the closing cor.the 24th mile cor.on the bdy.,as established by Deputies A.H.and F.M.Brown,bears as follows:

N.74°45'E.,19.19 chs.,to mile stone No.24.

Land,rolling.

Soil,sandy loam;2nd rate.

No timber.

No grass .

July 23,1904.

RETRACEMENT AND RESURVEY OF SUBDIVISION OF T.4 S., R.3 W.

Chains	
	July 24,1904:At 7h.3[illegible]., a.m., l.m.t., I set off 40°11'N. on the lat.arc;19°55'N.on the decl.arc;and determine a mer.with the solar at the cor.of secs.2,3,34,and 35,on N.bdy.of Tp., heretofore described.
	Thence I run
	S.0°6'E., on a retracement line bet.secs.2 and 3.
5.00	Heber-Vernal road, bears E. and W.
35.00	Descend bluffs.
40.00	The ½ sec.cor., bet.secs.2 and 3, which is a sandstone, 12x5x6 ins.above ground, firmly set and mkd.and witnessed as described by the surveyor general, bears W., 13 lks.dist. To better perpetuate the cor., I witness it as follows:
	A cottonwood 9 ins.diam., bears N.60°E., 200, lks.dist., mkd.½ S 2 B T.
	No other trees within limits;raise a mound of stone, 2 ft.base, 1½ ft. high, W.of cor.
45.00	Duchesne River, 1.50chs. wide, course E.
53.00	Heber-Vernal road, bears E.and W.
75.00	Colton-Vernal road, bears NE. and SW.
81.50	The cor.of secs.2,3,10,and 11,which is a greatly decayed cottonwood post,in mound of earth,bears W.26 lks.dist. I destroy the old cor.,and re-establish it in the same place as follows:
	Set a cobblestone,18x6x5 ins.,12 ins.in the ground,for cor.of secs.2,3,10,and 11,mkd.with 5 notches on S.and 2 notches on E.edges;dig pits,18x18x12 ins.,in each sec. 5½ ft.dist.;and raise a mound of earth,4 ft.base,2 ft. high,W.of cor.
	The course of this line,is therefore,S.0°5'W.,81.60 chs.

	N.89°56'E., on a retracement line bet.secs.2 and 11.
40.17	Find no trace of old cor.
	Set temp.½ sec.cor.

RETRACEMENT AND RESURVEY OF SUBDIVISION OF T 4 S R 3 W

Chains	
80.32	Intersect N.and S.line,14 lks.S.of the cor.of secs.1,2, 11,and 12.
	Thence I run
	S.89°50'W.,on a true resurvey line bet.secs.2 and 11.
	Over nearly level land.
40.16	Find no trace of ¼ sec.cor.
	Set a limestone,18x8x4 ins.,12 ins.in the ground,for ¼ sec.cor., marked ¼ on N.face;dig pits,18x18x12 ins.,N. and W.of stone,5 ft.dist.;and raise a mound of earth, 3½ ft base,1½ ft.high,N.of cor.
80.32	The cor.of secs.2,3,10,and 11.
	Land,nearly level.
	Soil,sandy loam;2nd rate.
	No timber.

	South,on a retracement line bet.secs.10 and 11.
40.00	Find no trace of old ¼ sec.cor.
80.08	The cor.of secs.10,11,14,and 15,which is a hard sandstone 6x18x10 ins.above ground,firmly set,and mkd.and witnessed as described by the surveyor general,bears W.17 lks.dist. To perpetuate the cor.,I raise a mound of stone,2 ft.base 1½ ft.high,W.of cor.
	Thence I run
	N.0°7'E.,on a true resurvey line bet.secs.10 and 11.
	Over rolling ground.
	Descend.
2.00	Foot of descent,25 ft.below sec.cor.,bears N.and W.
	Thence over nearly level land.
40.04	Find no trace of the old cor.
	Set a quartzite stone,18x11x3 ins.,12 ins.in the ground, for ¼ sec.cor.,mkd.¼ on W.face;dig pits,18x18x12 ins.N.

RESURVEY OF SUBDIVISION OF T 4 S R 3 W

Chains	
	and S. of stone, 3 ft. dist.; and raise a mound of earth, 3½ ft. base, 1½ ft. high, W. of cor.
55.00	Enter dense greasewoods, bears E. and W.
61.65	Canal, 15 lks. wide, 12 ins. deep, course S. 60° E.
80.08	The cor. of secs. 2, 3, 10, and 11.
	Land, rolling and nearly level.
	Soil, sandy loam; 2nd rate.
	No timber.
	Undergrowth, greasewoods.
	No grass.
	Land covered with dense undergrowth, 25.00 chs.
	July 24, 1904: At this cor. I set off 19°51' N. on the decl. arc; and at 0h. 2m., p.m., l.m.t., I observe the sun on the mer. the resulting lat. is 40°10' N., which is the proper lat. nearly.

	N. 82°50' E., on a retracement line bet. secs. 11 and 14.
20.00	Small ridge, bears N. and S.
27.00	Foot of descent.
40.12	The ¼ sec. cor., bet. secs. 11 and 14, which is a hard sandstone, 5x8x8 ins., above ground, firmly set and mkd. and witnessed as described by the surveyor general, bears S., 7 lks. dist.
45.00	Road, bears N. and S.
48.00	Wash, drains N.
80.26	The cor. of secs. 11, 12, 13, and 14, heretofore described, bears S., 14 lks. dist.
	The course of this line is therefore, S. 89°50' W., 80.26 chs.

	For reasons already explained I run
	S. 0°2' E., on a resurvey line bet. secs. 14 and 15.
	Over rolling ground. Ascend.
9.00	Top of ascent, 100 ft. above sec. cor., bears N. 30° E., and S. 30°

RESURVEY OF SUBDIVISION OF T.4 S., R.3 W.

Chains	
	W.
	Thence over mesa.
21.00	Leave mesa, bears N.75°E. and S.75°W.
	Descend.
26.00	Foot of descent, 50 ft. below mesa, bears N.75°E. and S.75° W.
	Thence over nearly level land.
40.00	Find no trace of the old ¼ sec. cor.
	Set a quartzite stone, 10x12x6 ins. 11 ins. in the ground, for ¼ sec. cor., mkd. ¼ on W. face; and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
43.00	Bottom of wash, 15 lks. wide, 1 ft. deep, course N.80°E.
	Ascend.
47.00	Top of spur, 50 ft. above wash, bears E. and W.
	Descend.
54.00	Foot of spur, bears N.80°E. and S.80°W.
	Thence over nearly level land.
72.00	Old road, bears NE. and SW.
76.00	Wash, 10 lks. wide, 2 ft. deep, course NE.
80.00	Find no trace of the old cor.
	Set a sandstone, 20x8x4 ins., 15 ins. in the ground, for cor. of secs. 14, 15, 22, and 23, mkd. with 3 notches on S. and 2 notches on E. edges; and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
	Land rolling and nearly level.
	Soil, sandy loam and gravelly; 2nd and 3rd rate.
	No timber.
	No grass.
	N.80°56'E., on a random retracement line bet. secs. 14 and 23.
40.00	Find no trace of the old cor. Set temp. ¼ sec. cor.
80.14	Intersect N. and S. line, 10 lks. N. of the cor. of secs. 13, 14, 23, and 24.

Resurvey of Subdivision of T. 4 S. R. 3 W.--Continued.

Chs. Thence I run

West, on a true line bet. secs. 14 and 23.

Over level mesa.

40.07 Find no trace of old cor.

Set a sandstone, 16x8x6 ins., 11 ins. in the ground, for ¼ sec. cor., mkd. ¼ on N. face; and raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.

41.50 Leave mesa, bears N. and S.

Desc.

46.00 Foot of steep descent, 250 ft. below mesa, bears NW and SE.

Thence over nearly level land.

59.00 Wash, 20 lks. wide, 3 ft. deep, course N. 30° E.

80.14 The cor. of secs. 14, 15, 22, and 23.

Land, level and rolling.

Soil, sandy loam and gravelly; 2nd and 3rd rate.

No timber.

No grass.

July 24, 1904.

July 25, 1904: At 7 h 2 m a.m., l.m.t., I set off 40° 09' N., on the lat. arc; 19° 42' N., on the decl. arc; and determine a mer. with the solar, at the cor. of secs. 14, 15, 22, and 23.

Thence I run

S. 0° 2' E., on a resurvey line bet. secs. 22 and 23.

Over nearly level land.

Gently ascending.

11.50 Begin ascent, bears N. 80° E. and S. 80° W.

15.50 Top of spur, 80 ft. above sec. cor., bears N. 80° E. and S. 80° W.

Desc.

19.00 Foot of spur, 60 ft. below ridge; bears N. 80° E. and S. 80° W.

Thence over rolling ground.

Resurvey of Subdivision of T 4 S R 3 W -Continued.

Chs.	
40.00	Find no trace of old cor.
	Set a sandstone,22x14x3 ins.,16 ins.in the ground,for ¼ sec.cor..mkd.¼ on W.face;and raise a mound of stone, 2 ft.base,1½ ft.high,W.of cor.
42.00	Begin ascent,bears E.and W.
46.25	Top of ridge,75 ft.above ¼ sec.cor.,bears E.andW.
	Desc.
53.00	Wash,10 lks.wide,2 ft.deep,course N.30° E.
	At foot of ridge,bears N.30° E.and S.30° W.
	Thence over nearly level land.
80.00	Find no traceof the old cor.of secs.22,23,26,and 27.
	Set a sandstone,18x10x5 ins.,12 ins.in the ground,for cor.of secs.22,23,26,and 27,mkd. with 2 notches on S.and 2 notches on E.edges;and raise a mound of stone,2 ft.base, 1½ ft.high,W.of cor.
	Land,rolling and nearly level.
	Soil,sandy and gravelly;3rd rate.
	No timber.
	No grass .

	East,on a random retracement line bet.secs.23 and 26.
40.00	Find no trace of old cor.Set temp.¼ sec.cor.
79.90	Intersect N.and S.line,at the cor.of secs.23,24,25,and 26.
	Thence I run
	West,on a true resurvey line bet.secs.23 and 26.
	Nearly level land.
39.95	Find no trace of old cor.
	Set a sandstone,24x10x3 ins.,18 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.;and raise a mound of earth,3½ ft. base,1½ ft.high,N.of cor.
58.00	Wash,20 lks.wide,2 ft.deep,course N.

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

Chs.

69.00 Wash,15 lks.wide,3 ft.deep,course N.10° E.

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

Land,nearly level.

Soil,sandy loam;2nd rate.

No timber.

No grass.

S.0° 2'E.,on resurvey line bet.secs.26 and 27.

Over gently rolling land.

40.00 Find no trace of old cor.

Set a sandstone,24x12x3 ins.,18 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;and raise a mound of earth,3½ ft.base, 1½ ft.high,W.of cor.

80.00 Find no trace of old cor.

Set a sandstone,28x12x5 ins.,22 ins.in the ground,for cor.of secs.26,27,34,and 35,mkd.with 1 notch on S.and 2 notches on E.edges;and raise a mound of stone,2 ft.base, 1½ ft.high,W.of cor.

Land,gently rolling.

Soil,sandy loam;2nd rate.

No timber.

No grass.

July 25,1904:At this cor.I set off 19° 39'N.,on the decl. arc;and at 0 h 2 m p.m.,l.m.t.,I observe the sun on the mer the resulting lat.is 40° 06'N.,which is the proper lat.nearly.

East,on a random line bet.secs.26 and 35.

40.00 Find no trace of the old cor.Set temp.¼ sec.cor.

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

Chs.	
79.90	Intersect N.and S.line,23 lks.S.of the cor.of secs. 25,26,35,and 36.
	Thence I run
	S.89° 50'W.,on a true resurvey line bet.secs.26 and 35.
	Over gently rolling land.
29.50	Wash,20 lks.wide,6 ft.deep,course N.25°E.
39.95	Find no trace of old cor.
	Set a sandstone,20x15x4 ins.,15 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.;and raise a mound of earth,3½ ft. base,1½ ft.high,N.of cor.
57.50	Wash,6 lks.wide,3 ft.deep,course N.30°E.
79.90	The cor.of secs.26, 27 34,and 35.
	Land,gently rolling.
	Soil,sandy loam;2nd rate.
	No timber.
	No grass .

	S.0° 2'E.,on a true resurvey line bet.secs.34 and 35.
	Over nearly level land;.
40.00	Find no trace of old cor.
	Set a sandstone,16x10x3 ins.,11 ins.in the ground,for ¼ sec.cor.,mkd.with ¼ on W.face;dig pits,18x18x12 ins., N.and S.of stone,3 ft.dist.;and raise a mound of earth, 3½ ft.base,1½ ft.high,W.of cor.
41.00	Wash,10 lks.wide,3 ft.deep,course NE.
56.00	Wash,15 lks.wide,6 ft.deep,course N.65°E.
64.00	Wash,12 lks.wide,4 ft.deep,course N.60°E.
77.05	Intersect 1st Standard Parallel South,6.33 chs.East of the standard cor.of secs.34 and 35,heretofore described.
	Set a sandstone,18x12x4 ins.,12 ins.in the ground,for closing cor.of secs.34 and 35,mkd.C C on N.,with 2 grooves

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

Chs.

on E.and 4 grooves on W.faces;and dig pits,24x18x12 ins. Crosswise on each line,E.and W.of stone,3 ft.,and N.of stone,7 ft.dist.;and raise a mound of earth,4 ft.base, 2 ft.high,N.of cor.Destroy marks on old Std.Cor.referring to secs.34 and 35.

Land nearly level.

Soil,sandy loam;2nd rate.

No timber.

No grass .

July 25,1904.

July 26,1904:At 7 h 2 m.a.m.,l.m.t.,I set off 40° 11'N., on the lat.arc;19° 29'N.,on the decl.arc;and determine a mer.with the solar,at the cor.of secs.3,4,33,and 34,on N.bdy.of Tp.,heretofore described.

Thence I run

S.0° 6'E.,on a retracement line bet.secs.3 and 4.

40.07 Find no trace of old cor.Set temp.¼ sec.cor.

81.40 The cor.of secs.3,4,9,and 10,which is a sandstone,5x10x6 ins.above ground,firmly set,and mkd.and witnessed as described.by the surveyor general,bears W.7 lks.dist. To perpetuate the cor.I 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.

Thence I run

N.0° 3'W.,on a true resurvey line bet.secs.3 and 4.

Over level land.

4.00 Water ditch,3 lks.wide,6 ins.deep,course N.80°E.

The southwest corner of an alfalfa field,enclosed by a fence and containing about 5.00 acres,bears E.,200 lks. dist.This field belongs to an Indian named Jim.

There is a group of about six indian houses northeast of

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

of this point about 30.00 chs.dist.They cannot be seen from line on account of dense brush.The indians living in these houses will not give their names.

23.50 Heber-Vernal road,bears N.80°E.and S.80°W.

32.00 Enter dense willows and bull brush and scattering cottonwood timber,bears E.and W.

40.36 The proportional distance for ¼ sec.cor.

Find no trace of old cor.

Set a cottonwood stake,3½ ft.long,4 ins.sq.,24 ins.in the ground,for ¼ sec.cor.,marked ¼ S 4 on W.face;B on E.face; from which

A cottonwood,8 ins.dia.,bears E.,25 lks.dist. mkd.¼ S 3 B T.

A cottonwood,9 ins.dia.,bears S.88°W.,40 lks. dist..mkd.¼ S 4 B T.

48.25 Right bank of DuChesne River,3 ft.deep,course N.80°E.

50.00 Edge of small island,bears N.80°E.and S.80°W.

50.75 Edge of island,bears N.80°E.and S.80°W.

51.75 Left bank of river,bears N.80°E.and S.80°W. Leave timber.

Begin ascent,bears N.80°E and S.80°W. Leave undergrowth.

54.40 Heber-Vernal road,bears E.and W.

56.00 Spur,100 ft.above river,bears E.and W.

Desc.

65.00 Bottom of hollow ,25 ft.below spur,course E.

Asc.

69.50 Top of ridge,50 ft.above hollow,bears E.and W.

Desc.

81.40 The cor.of secs.3,4,33,and 34.

19.75

61.65 Land,rolling and level.

Soil,sandy loam;and gravelly;2nd and 3rd rate.

Timber,scattering cottonwood.

Undergrowth,willows and bull brush.

A very little grass .

Land covered with dense undergrowth,19.75 chs.

Retracement and Resurvey Subdivision of T 4 S.R 3 W.

Chains

S.89°54'E.on retracement line bet.secs.3 and 10

40.16 I fall 16 lks.S.of a decayed cottonwood post lying in old mound;the marks being still visible.

To reestablish the cor.I destroy all traces of the old cor.,and in its place set a cobblestone 16x10x8 ins.11 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.;and raise a mound of earth 3½ ft.base 1½ ft.high N.of cor.

79.00 Colton-Vernal road,bears NE. and SW.

80.32 Intersect N.and S.line 33 lks.S.of the cor.of secs.2,3, 10,and 11.

The true course of this line is therefore S.89°50'W. 80.32 chs.

South on retracement line bet.secs.9 and 10

40.00 Find no trace of old cor.

Set temp.¼ sec.cor.

80.00 Find no trace of old cor.

Set temp.cor.of secs.9,10,15,and 16.

From this temp.cor.I run

East on retracement line bet.secs.10 and 15

At 40.00 chs.find no trace of old ¼ sec.cor.,and at 79.87 chs.fall 8 lks.S.of the cor.of secs.10,11,14,and 15. I now return to the temp.cor.of secs.9,10,15,and 16 and run

West on retracement line bet.secs.9 and 16

At 40.00 chs.find no trace of ¼ sec.cor.;and at 80.33 chs.I fall 32 lks.S.of the cor.of secs.8,9,16,and 17, which is a sandstone 6x10x6 ins.above ground,firmly set and mkd.and witnessed as described by the surveyor general.

To perpetuate this cor.I raise a mound of stone 2 ft. base 1½ ft.high W.of cor.

July 26,1904:At the noon hour the sky is overcast and solar observations are impossible.

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

Chains.	
	The course of line bet.corners of secs.8,9,16,and 17, and corner to secs.10,11,14,and 15,is S.89°55'E.,distance 160.20 chs. Therefore I run
	S.89°55'E.on a true resurvey line bet.secs.9 and 16 Over mountainous land;through scattering shadscales and sagebrush.. Descend.
1.10	Bottom of hollow 25 ft.below sec.cor.,course NE. Ascend.
10.00	Top of spur 100 ft.above hollow bears NE.and SW. Descend.
20.00	Bottom of hollow 100 ft.below spur course N.10°E. Ascend.
35.00	Top of ridge 80 ft.above hollow bears N.and S. Descend.
40.05	Find no trace of old cor. Set a sandstone 20x12x3 ins.15 ins.in the ground for $\frac{1}{4}$ sec.cor.,mkd.$\frac{1}{4}$ on N.face;and raise a mound of stone 2 ft. base $1\frac{1}{2}$ ft.high W.of cor.
65.00	Descend more abruptly bears N.and S.
72.00	Old road bears N.and S.in bottom of hollow 150 ft.below ridge,course N. Ascend knoll.
80.10	Find no trace of the old cor. Destroy all traces of the temp.cor. Set a sandstone 16x14x4 ins.11 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;and raise a mound of stone 2 ft.base $1\frac{1}{2}$ ft.high W.of cor. Land mountainous. Soil gravelly 3d rate. No timber. Mountainous land 80.10 chs.

Resurvey of Subdivision of T.4 S. R.3 W.-Continued.

Chs. July 26,1904: ~~At this cor.~~ At this cor. Latitude 40° 08' 56" N, longitude 110° 15' 45" W., I set off 40° 09' N., on the lat. arc; 19° 24' N., on the decl. arc; and determine a mer. with the solar, and mark a point thereof on a stone already set, 5.00 chs. N. of the cor. at 5 h. 0m., p.m., l.m.t.

At 11 h and 11 m p.m., l.m.t., I obs. Pol. at eastern along. in accordance with the Manual, and mark the line thus determined on a peg driven in the ground, 5.00 chs. N. of the cor.

July 26,1904.

July 27,1904: At 6 h 30 m a.m., l.m.t., I lay off the azimuth of Pol. 1° 34.4' to the west, and mark the mer. thus determined by cutting a small groove in the stone already set 5,00 chs. N. of the cor.; this mark falls 0.41 ins. east of the mark determined with the solar.

At 7 h 00 m a.m., l.m.t., I set off 40° 09' N, on the lat. arc; 19° 16' N., on the decl. arc; and mark the mer. determined with the solar, by a cross on the stone already set, 5.00 chs. N. of the cor.; this mark falls 0.37 ins. east of the mer. established by Pol. obsn.

The solar apparatus by p.m. and a.m. observations defines positions for meridians respectively about 0' 22" west and 0' 19" east of the mer. established by Pol. obsn.; therefore I conclude that the adjustments of the instrument are satisfactory.

The magnetic bearing of the mer. at 7 h 30 m a.m., is N. 16° 33' W., the angle thus determined gives the mag. decl. 16° 33' E.

S. 89° 55' E., on a true resurvey line bet. secs. 10 and 15.

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

Chs.	
	Over mountainous land;through scattering undergrowth.
	Asc.
2.00	Top of knoll,25 ft.above sec.cor.,bears NE and SW.
	Desc.
10.00	Foot of descent,150 ft.below top,bears N.and S.
	Thence over gently rolling land.
	Enter dense greasewoods,bears N.and S.
30.00	Wash,30 lks.wide,10 ft.deep,course N.20° E.
39.00	Leave undergrowth,bears N.and S.
40.05	Find no trace of old cor.
	Set a sandstone,16x10x6 ins.,11 ins.in the ground,for ¼ sec.cor..mkd.¼ on N.face;and raise a mound of stone 2 ft.base,1½ ft.high,N.of cor.
45.00	Begin abrupt ascent,bears NW and SE.
50.00	Top of ascent,100 ft.above ¼ sec.cor.,bears N.10° W.and S. 10° E.
	Thence over level mesa.
63.00	Leave mesa,bears N.20° E.and S.20° W.
	Desc.
68.00	Foot of descent,150 ft.below mesa,bears N.20° W.and S.20° E.
	Thence over rolling ground.
74.00	Begin ascent,bears N.20° E.and S.20° W.
80.10	The cor.of secs.10,11,14,and 15.
55.10	Land,mountainous and nearly level.
	Soil,sandy loam and gravelly;2nd and 3rd rate.
	No timber.
	Undergrowth,greasewoods and sage brush.
	No grass .
	Mountainous land,or land covered with dense undergrowth, 55.10 chs.

N.0°10'E,on a true resurvey line bet.secs.9 and 10.

Over mountainous land;through scattering undergrowth.

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

Chs.	Desc.
4.50	Foot of descent,100 ft.below cor.,bears E.and W.
	Thence over gently rolling ground.
15.00	The west side of an abandoned farm,containing about 15.00 acres bears E.about 4.00 chs.dist.
20.00	Foot of descent,bears N.80° E.and S.80° W.
	Asc.
26.00	Top of ridge,150 ft.above foot,bears N.70° E.and S.70° W.
	Desc.
31.00	Foot of descent,160 ft.below ridge,bears N.70° E.and S.70° W.
	Thence over nearly level land.
39.90	Find no trace of the old cor.
	Set a sandstone,16x12x4 ins.,11 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.;and raise a mound of earth,3½ ft. base,1½ ft.high,W.of cor.
64.50	Colton-Vernal road,bears E.and W.
75.20	Canal,15 lks.wide,1 ft.deep,course E.
79.80	The cor.of secs.3,4,9,and 10.
	Land,mountainous and nearly level.
	Soil,sandy loam and gravelly;2nd and 3rd rate.
	No timber.
	Undergrowth ,sage and shadscales.
	A very little grass .
	Mountainous land,15.50 chs.
	For reasons already explained I run S.0° 2'E.on resurvey line bet.secs.15 and 16.
	Over mountainous land.
	Asc.
2.00	Top of knoll,bears NE and SW.
	Desc.
8.00	Foot of descent,125 ft.below knoll,bears NE and SW .

Resurvey Subdivision of T 4 S ,R 3 W -Continued

Chs.

Thence of gently rolling land.

36.00 Wash,20 lks.wide,6 ft.deep,course N.40° E.

40.00 Find no trace of old cor.

Set a sandstone,14x10x8 ins.,9 ins.in the ground,for ¼ sec.cor..mkd.¼ on W.face;and raise a mound of stone, 2 ft.base,1½ ft.high,W.of cor.

58.00 Ascend along steep side hill.

80.00 Find no trace of old cor.

30.00

50.00 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;with 4 S on NE and 3 W n SE faces;and raise a mound of stone,2 ft.base,1½ ft.high,W.of cor.

Land,mountainous and nearly level.

Soil,sandy loam;2nd rate.

No timber.

No grass .

Mountainous land,30.00 chs.

July 27,1904:At this cor.I set off 19°12'N.,on the decl. arc;and at 0 h 2 m p.m.,l.m.t.,I observe the sun on the mer.the resulting lat.is 40°08'N.,which is the proper lat.nearly.

S.89°55'E. ,on a random retracement line bet.secs.15 and 22.

40.00 Find no trace of old cor.

80.30 Intersect N.and S.line,12 lks.S.of the cor.of secs. 14,15,22,and 23.

Thence I run

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

Over nearly level land;

15.50 Old road,bears N.20° E.and S.20° W.

23.00 Wash,20 lks.wide,2 ft.deep,course N.20° E.

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

Chs	
35.00	Begin ascent,bears NE and SW.
36.50	Top of ascent,50 ft.above foot,bears NE and SW.
	Thence over mesa.
40.15	Find no trace of old cor.
	Set a sandstone,22x12x3 ins.,16 ins.in the ground,for ¼ sec.cor..mkd.¼ on N.face;and raise a mound of stone, 2 ft.base,1½ ft.high,N.of cor.
59.75	Leave mesa,bears N.20° E.and S.20° W.
	Desc.
65.00	Foot of descent,50 ft.below mesa, bears N.20° E.and S. 20° W.
	Thence over nearly level land.
72.50	Begin ascent,bears N.20° E.and S.20° W.
80.30	The cor.of secs.15,16,21,and 22.
	Land,mountainous and nearly level.
	Soil,sandy loam and gravelly;2nd and 3rd rate.
	No timber.
	No grass .
	Mountainous land,7.50 chs.

S.0° 2'E.,on resurvey line bet.secs.21 and 22.

	Over mountainous land.
	Asc.along steep side hill.
40.00	Find no trace of old cor.
	Set a sandstone,24x12x4 ins.,18 ins.in the ground,for ¼ sec.cor.,mkd.¼ on W.face;and raise a mound of stone, 2 ft.base,1½ ft.high,W.of cor.
69.50	Old road,bears N.30° E.and S.30° W.
	In bottom of swale;course N.30° E.
	Continue ascent.
80.00	Find no trace of the old cor.
	Set a sandstone,16x 8x4 ins.,11 ins.in the ground,for

Resurvey Subdivision of T.4 S R.3 W.-Continued.

Chs. cor.of secs.21,22,27,and 28,mkd.with 2 notches on S.and 3 notches on E.edges ;and raise a mound of stone,2 ft.base, 1½ ft.high,W.of cor.

Land,mountainous.

Soil,sandy and gravelly;3rd rate.

No timber.

No grass.

Mountainous land,80.00 chs.

East,on a random retracement line bet.secs.22 and 27.

40.00 Find no trace of old cor.

Set temp.¼ sec.cor.

80.40 Intersect N.and S.line,10 lks.S.of the cor.of secs.22,23 26,and 27.

Thence I run

S.89° 56'W.,on a true line bet.secs.22 and 27.

Over nearly level land.

34.00 Begin ascent,bears NE and SW ..

39.00 Top of ridge,50 ft.above foot,bears NE and SW.

Desc.

40.20 Find no trace of old cor.

Set a sandstone,20x7x5 ins.,15 ins.in the ground,for ¼ sec.cor..mkd.¼ on N.face;and raise a mound of stone, 2 ft.base,1½ ft.high,N.of cor.

60.00 Bottom of swale,50 ft.below ridge,course NE.

Asc.

75.00 Top of ridge,50 ft.above hollow,bears NE and SW.

Desc.

80.40 The cor.of secs.21,22,27,and 28.

Land,rolling.

Soil,gravelly and sandy;3rd rate.

No timber.

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

Chs.	
	No grass.
	S.0° 2'E. ,on a resurvey line bet.secs.27 and 28.
	Over rolling ground,
1.30	Top of spur,20 ft,above sec.cor.,bears E.and W.
	Desc.
15.50	Bottom of hollow,80 ft.below ridge,course W.
	Asc.
24.00	Top of ridge,30 ft.above hollow,bears E.and W.
	Desc.
30.00	Bottom of hollow,30 ft.below ridge,course W.
40.00	Find no trace of old cor.
	Set a shalestone,15x12x4 ins.,10 ins.in the ground,for ¼ sec.cor..mkd.¼ on W.face;and raise a mound of stone, 2 ft.base,1½ ft.high,W.of cor.
47.50	Top of spur,60 ft.above hollow,bears E.and W.
	Desc.
52.00	Bottom of hollow,60 ft .below spur,course E.
	Asc.
80.00	Find no trace of old cor.
	Set a shalestone,16x10x4 ins.,11 ins.in the ground,for cor.of secs.27,28,34,and 33,mkd.with 1 notch on S.and 3 notches on E.edges;and raise a mound of stone,2 ft.base, 1½ ft.high,W.of cor.
	Land,rolling .
	Soil,sandy and gravelly;3rd rate.
	No timber.
	No grass .
	M
	N.89° 56'E.,on a random line bet.secs.27 and 34.
40.00	Find no trave of cor.Set temp.¼ sec.cor.

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

Chs.	
80.50	Intersect N.and S.line,23 lks.S.of the cor.of secs. 26,27,34,and 35.
	Thence I run
	S.69° 46'W.,on a true line bet.secs.27 and 34.
	Over rolling ground.
35.00	Begin ascent, bears N.and S.
40.25	Find no trace of old cor.
	Set a sandstone,15x10x4 ins.,10 ins.in the ground,for ¼ sec.cor..mkd.¼ on N.face;and raise a mound of stone, 2 ft.base,1½ ft.high N.of cor.
42.00	Top of ridge,150 ft.above foot,bears N.and S.
	Desc.
57.50	Bottom of hollow,80 ft.below ridge,course N.10° W.
	Asc.
77.50	Top of ridge,100 ft.above hollow,bears N.20° E.and S. 20° W.
	Desc.
80.50	The cor.of secs.27,28 ,33,and 34.
	Land,rolling and nearly level.
	Soil,sandy and gravelly;3rd rate.
	No timber.
	No grass.

	S.0° 2'E.,on a true resurvey line bet.secs.33 and 34.
	Over rolling land.
	Asc.
10.00	Top of ridge,50 ft.above cor.,bears N.20° E.and S.20° W.
	Desc.
28.00	Bottom of hollow,60 ft.below ridge,course N.30° E.
	Asc.
40.00	Find no trace of old cor.

Resurvey Subdivision of T.4 S.R.3 W.-Continued.

Chs.

Set a shale stone 18x6x4 ins.12 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.

47.00 Top of ridge 120 ft.above hollow bears N.20°E.and S.20° W. Desc.

79.95 Intersect 1st Standard Parallel South 6.47 chs.N.89°47' E.of the standard cor.of secs.33 and 34,heretofore described.

Set a sandstone 18x14x3 ins.12 ins.in the ground for closing cor.of secs.33 and 34;mkd.C C on N.,with 3 grooves on E.and W.faces;and raise a mound of stone 2 ft. base $1\frac{1}{2}$ ft.high N.of cor. Destroyed all marks on old Std.cor.referring to secs.33 and 34.

Land rolling.

Soil sandy and gravelly;3rd rate.

No timber.

No grass.

July 27,1904.

July 28,1904:At 7 h.2 m.a.m.l.m.t.I set off 40°11'N.on the lat.arc;19°02'N.on the decl.arc;and determine a mer.with the solar at the cor.of secs.4,5,32,and 33 on N.bdy.of Tp.,heretofore described.

Thence I run

S.0°12'W.on a retracement line bet.secs.4 and 5

40.70 Find no trace of the old cor.

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

80.50 The cor.of secs.4,5,8,and 9,which is a sandstone 6x9x5 ins.above ground,firmly set and mkd.and witnessed as described by the surveyor general bears E.42 lks.dist.

To perpetuate the cor.I 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 W.of cor.

Thence I run

Resurvey Subdivision of T.4 S.R.3 W.-Continued.

Chs.	
	N.0°6'W.on a true resurvey line bet.secs.4 and 5
	Over level land;through undergrowth.
2.00	Canal 15 lks.wide 1 ft.deep,course E.
8.00	Leave greasewoods and enter dense willows bear E.and W.
14.00	Right bank of DuChesne River 3 ft.deep,rocky bottom, rapid current course N.85°E.
15.30	Left bank of DuChesne River.
39.90	The proportional distance.
	Find no trace of old ¼ sec.cor.
	Set a sand cobblestone 16x8x6 ins.11 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.;and raise a mound of earth 3½ ft.base 1½ ft.high W.of cor.
41.00	Leave willows and enter scattering greasewoods,bear E. and W.
51.50	Heber-Vernal road bears E.and W.
	Leave greasewoods bear E.and W.
	Begin ascent bears E.and W.
68.00	A sugar loaf knoll bears E.about 4.00 chs.dist.
75.00	Ridge bears NW.and SE.
80.50	The cor.of secs.4,5,32 and 33.
	Land mountainous and level.
	Soil sandy loam and gravelly;2nd and 3rd rate.
	No timber.
	Undergrowth willows and greasewoods.
	A very little grass.
	Mountainous land,or land covered with dense undergrowth 80.50 chs.

	S.89°47'E.on a retracement line bet.secs.4 and 9
40.28	Find no trace of ¼ sec.cor.
	Set temp.¼ sec.cor.
80.18	Intersect N.and S.line 5 lks.S.of the cor.of secs.3,4,9 and 10.

Resurvey Subdivision of T. 4 S. R. 3 W.-Continued.

Chs.	
	Thence I run
	N.89° 49'W.,on a true resurvey line bet.secs.4 and 9.
	Over level land.
2.00	Enter dense greasewoods,bears N.and S.
25.00	Fence ,bears N.and S.
26.00	Canal,15 lks.wide,2 ft.deep,course S.70° E.
37.00	Heber-Vernal road,bears N.70° E.and S.70° W.
40.00	Find no trace of the ¼ sec.cor.
	Set a sandstone,18x14x5 ins.12 ins.in the ground,for ¼ sec.cor..,mkd.¼ on N.face; and raise a mound of stone, 2 ft.base,1½ ft.high,N.of cor.
52.00	Same canal,15 lks.wide,course N.70° E.
55.00	Same Canal,bears S.70° E.15 lks.wide.
60.00	Leave undergrowth,bears N.and S.
60.18	The cor.of secs.4,5,8,and 9.
58.00	
2.18	Land,level.
	Soil,sandy loam;2nd rate.
	No timber.
	Undergrowth,greasewoods.
	A very little grass .
	Land covered with dense undergrowth,58.00 chs.

	South ,on retracement line bet.secs.8 and 9.
40.00	Find no trace of old ¼ sec.cor.
	Set temp.¼ sec.cor.
79.90	The cor.of secs.8,9,16,and 17,heretofore described,bears W.36 lks.dist.
	Thence I run
	N.0° 15'E.,on a true resurvey line bet.secs.8 and 9.
	Over mountainous land.
	Asc.
25.00	Top of ridge,250 ft.above sec.cor.,bears NE and SW.
	Desc.
34.00	Foot of steep descent,150 ft.below ridge,bears NE and SW.

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

Chs.	
	Thence over gently rolling ground.
39.95	Find no trace of old cor.
	Set a sandstone,16x12x8 ins.,11 ins.in the ground,for ¼ sec.cor..mkd.¼ on W.face;and raise a mound of stone, 2 ft.base,1½ ft.high,W.of cor.
67.00	Heber-Vernal road,bears N.80° E.and S.80° W.
79.90	The cor.of secs.4,5,8,and 9.
	Land,mountainous and nearly level.
34/R3.00	Soil,sandy loam and gravelly;2nd and 3rd rate.
	No timber.
	No grass .
	Mountainous land,34.00 chs.
	July 28,1904:At the noon hour the sky is overcast and solar observations are impossible.

For reasons already explained I run S.0° 3' E.,on a resurvey line bet.secs.16 and 17.

Over mountainous land.

	Desc.
5.00	Bottom of hollow,100 ft.below sec.cor.,course N.20° E.
	Asc.
10.00	Top of ascent,150 ft.above hollow,bears N.20° E.and S.20° W.
	Thence over level mesa.
40.00	Find no trace of the old cor.
	Set a sandstone,20x10x6 ins.,15 ins.in the ground,for ¼ sec.cor..mkd.¼ on W faces;and raise a mound of stone, 2 ft.base,1½ ft.high,W.of cor.
50.00	Leave mesa,bears N.80° E.and S.80° W.
	Desc.
64.00	Bottom of hollow,250 ft.below mesa,course N.80° E.
	Asc.
69.50	Top of spur,250 ft.above hollow,bears N.20° E.and S.20° W.

Resurvey Subdivision of T 4 S R 3 W -Continued

Chs.	Desc.
72.50	Foot of descent,100 ft.below ridge,bears N.35° E.and S.35° W
	Enter bottom of Sower's Canon. ~~Road,bears NE. and SW.~~
	Thence over rolling ground.
80.00 32.50 47.50	Find no trace of the old cor.of secs.16,17,20,and 21.
	Set a sandstone,20x10x4 ins.,15 ins.in the ground,for cor.of secs.16,17,20,and 21,mkd.with 3 notches on S.and 4 notches on E.edges;and raise a mound of stone,2 ft. base,1½ ft.high,W.of cor.
	Land,mountainous and gently rolling and level.
	Soil,sandy loam and gravelly;2nd and 3rd rate.
	No timber.
	No grass .
	Mountainous land,32.50 chs.

	S.89° 55'E.,on a random line bet.secs.16 and 21.
40.00	Find no trace of ¼ sec.cor.
	Set temp.¼ sec.cor.
80.20	Intersect N.and S.line,12 lks.S.of the cor.of secs. 15,16,21,and 22.
	Thence I run
	West,on a true resurvey line bet.secs.16 and 21.
	Over mountainous land.
	Ascend steep side hill.
12.00	Top of ascent,100 ft.above sec.cor.,bears NE and SW.
	Thence over high mesa.
35.00	Leave mesa,bears N.20° W.and S.20° E.
	Desc.
39.80	Bottom of hollow,250 ft.below mesa,course N.10° W.
	Asc.
40.10	Find no trace of old ¼ sec.cor.
	Set a sandstone,20x12x5 ins.,15 ins.in the ground,for ¼ sec.cor.,mkd.¼ on N.face;and raise a mound of stone,

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

Chs. 2 ft.base,1½ ft.high,N.of cor.

59.00 Top of spur,150 ft.above hollow,bears N.and S.

Desc.

65.50 Foot of descent,175 ft.below spur,bears N.20° E.and S.20° W.

Enter bottom of Sower's Canon.

77.50 Wash,200 lks.wide,6 ft.deep,course N.20° E.

80.20 The cor.of secs.16,17,20,and 21.

37.7

Land,mountainous and nearly level.

Soil,sandy loam and gravelly;2nd and 3rd rate.

No timber.

No grass .

Mountainous land,42.50 chs.

July 28,1904.

July 29,1904:At 7 h 2 m a.m.,l.m.t.,I set off 40° 08'N.,on the lat.arc;18° 48'N.,on the decl.arc;and determine a mer.with the solar,at the cor.of secs.16,17,20,and 21.

Thence I run

S.0° 3'E.,on a resurvey line bet.secs.20 and 21.

Over level bottom of Sower's Canon.

3.50 Wash,200 lks.wide, 6 ft.deep,course N.20° E.

Enter dense greasewoods,bears E.and W.

20.00 Leave canon bottom,bears NE and SW.

Leave greasewoods,bears NE and SW.

Asc.

40.00 Top of spur,250 ft.above canon,bears N.20° W.and S.20° E.

Find no trace of old cor.

Set a sandstone,20x10x4 ins.,15 ins.in the ground,for ¼ sec.cor..mkd. ¼ on W.face;and raise a mound of stone,2 ft.base,1½ ft.high,W.of cor.

Desc.over ledges.

Resurvey of Subdivision of T 4 S R 3 W -Continued

Chs.	
48.00	Leave ledges, bears N.20° W. and S.20° E.
64.00	Bottom of hollow, 200 ft. below ridge, course W.
	Asc.
67.80	Top of spur, 120 ft. above hollow, bears E. and W.
	Desc.
70.75	Bottom of hollow, 100 ft. below ridge, course W.
	Asc.
76.75	Top of spur, 100 ft. above hollow, bears E. and W.
	Desc.
80.00	Find no trace of the old cor. of secs. 20, 21, 28, and 29.
76.50 / 3.50	Set a sandstone, 20x10x6 ins., 15 ins. in the ground, for cor. of secs. 20, 21, 28, and 29, mkd. with 2 notches on S. and 4 notches on E. edges; and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
	Land, mountainous and level.
	Soil, sandy loam and gravelly and rocky; 2nd, 3rd, and 4th rate.
	No timber.
	No grass.
	Mountainous land, or land covered with dense undergrowth, 76.50 chs.
	East, on a random line bet. secs. 21 and 28.
40.00	Find no trace of old cor.
	Set temp. ¼ sec. cor.
80.38	Intersect N. and S. line, 5 lks. of the cor. of secs. 21, 22, 27, and 28.
	Thence I run
	S.89° 58' W., on a true resurvey line bet. secs. 21 and 28.
	Over mountainous land.
	Desc.
5.25	Old road, bears N.30° E. and S.30° W., in head of hollow, 50 ft. below sec. cor., course N.30° E.

Resurvey Subdivision of T 4 S R.3 W -Continued

Chs.	
	Asc.along steep side hill.
28.00	Top of ridge,160 ft.above hollow,bears N.80° W.and S.80° E.
	Desc. along steep side hill sloping south.
40.19	Find no trace of old ¼ sec.cor.
	Set a sandstone,17x10x4 ins.,12 ins.in the ground,for ¼ sec.cor..mkd.¼ on N.face;and raise a mound of stone,2 ft.base,1½ ft.high,N.of cor.
80.38	The cor.of secs.20,21,28,and 29.
	Land,mountainous.
	Soil,sandy and gravelly;3rd rate.
	No timber.
	No grass.
	Mountainous land,80.38 chs.

S.0° 3'E.,on a resurvey line bet.secs.28 and 29.

Over mountainous land.

Chs.	
	Desc.
4.00	Bottom of hollow,100 ft.below sec.cor.,course N.80° W.
	Asc.
20.00	Old road,bears NE and SW.
39.50	Top of ridge,250 ft.above hollow,bears E.and W.
	Desc.
40.00	Find no trace of the old cor.
	Set a sandstone,16x12x4 ins.,11 ins.in the ground,for ¼ sec.cor..mkd.¼ on W.face;and raise a mound of stone,2 ft.base,1½ ft.high,W.of cor.
79.75	Wash,20 lks.wide,3 ft.deep,in bottom of hollow,180 ft. below ridge,course NW .
	Asc.
80.00	Find no trace of the old cor.
	Set a sandstone,20x12x4 ins.,15 ins.in the ground,for cor.of secs.28,29,32,and 33;mkd.with 1 notch on S.and 4

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

Chs. notches on E.edges ;and raise a mound of stone,2 ft.base,1½ ft.high,W.of cor.

Land,mountainous.

Soil,sandy;3rd rate.

No timber.

No grass
Mountainous land on 80.00 chs.
July 29,1904:At this cor.I set off 18° 44'N.,on the decl. arc;and at 0 h 2 m p.m.,l.m.t.,I observe the sun on the mer. the resulting lat.is 40° 06'N.,which is the proper lat.nearly

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N.89° 58'E.,on a random line bet.secs.28 and 33.

40.00 Find no trace of old cor.

Set temp.¼ sec.cor.

80.50 Intersect N.and S.line,7 lks.S.of the cor.of secs. 27,28,33,and 34.

Thence I run

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

Over rolling ground.

Desc.

12.00 Bottom of hollow,50 ft.below sec.cor.,course N.20° E.

Asc.

37.50 Top of ridge,80 ft.above hollow,bears N.and S.

Desc.

40.25 Find no trace of ¼ sec.cor.

Set a sandstone,18x12x4 ins.,ml2 ins.in the ground,for ¼ sec.cor..mkd.¼ on N.face;and raise a mound of stone,2 ft.base,1½ ft.high,N.of cor.

52.00 Bottom of hollow,100 ft.below ridge,course N.20° W.

Desc.

60.00 Top of ridge,70 ft.above hollow,bears N.and S.

Desc.abruptly.

80.30 Wash,20 lks.wide,4 ft.deep, in bottom of hollow,200 ft.

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

Chs.	
	below ridge,course NW.
	Asc.
80.50	The cor.of secs.28,29,32,and 33.
	Land mountainous and rolling .
	Soil,sandy ;3rd rate.
	No timber.
	No grass .
	Mountainous land,20.50 chs.

S.0° 3'E.,on a true resurvey line bet.secs.32 and 33.
Over mountainous land;through scattering undergrowth.
Asc.

10.00 Top of ridge,125 ft.above sec.cor.,bears NW and SE.
Desc.

13.00 Bottom of hollow,75 ft.below ridge,course NW.
Asc.

32.00 Top of ridge,125 ft.above hollow ,bears N.50° E.and S.50° W.
Desc.

40.00 Find no trace of ¼ sec.cor.
Set a sandstone,24x20x4 ins.,18 ins.in the ground,for ¼ sec.cor..mkd.¼ on W.face;and raise a mound of stone, 2 ft.base.1½ ft.high,W.of cor.

47.00 Bottom of hollow,75 ft.below ridge,course NE.
Asc.

77.38 Intersect the 1st Standard Parallel South,5.73 chs.N.89° 34'E.,of the standard cor.of secs.32 and 33,,heretofore described.At closing cor.for secs.4 and 5,T.5 S.,R.3 W. Set a sandstone,22x10x6 ins.,16 ins.in the ground,for closing cor.of secs.32 and 33,mkd.C C on N.,with 4 grooves on E.and 2 grooves on W.faces;and raise a mound of stone, 2 ft.base,1½ ft.high,N.of cor.Destroy marks of old Std. cor.referring to secs.32 and 33.
Land mountainous.

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

Chs. Soil,sandy ;3rd rate.

No timber.

No grass .

Undergrowth,sage brush and shadscales.

Mountainous land,77.35 chs.

July 29,1904.

July 30,1904:At 7 h 2 m a.m.,l.m.t.,I set off 40° 11'N.,on the lat.arc;18° 34'N.,on the decl.arc;and determine a mer.with the solar,at the cor.of secs.5,6,31,and 32,on N.bdy.of Tps.,heretofore described.

Thence I run

S.0° 24'W.,on a retracement line bet.secs.5 and 6.

40.02 Search diligently but fail to find any trace ofold cor.

Set temp.¼ sec. cor.

80.10 The cor.of secs.5,6,7,and 8,which is a sandstone,7x16x8 ins.above ground,firmly set,and mkd.and witnessed as described by the surveyor general,bears E.50 lks.dist.

To perpetuate the cor.I raise a mound of stone,2 ft.base, 1½ ft.high,W.of cor.

Thence I run

N.0° 3'E.,on a true resurvey line bet.secs.5 and 6.

Over rolling land.

Desc.

10.00 Foot of descent,50 ft.below sec.cor.,bears E.and W.

Enter dense greasewoods,bears E.and W.

hence over level.land.

23.80 Right bank of DuChesne River,3 ft.deep,moderate current, course S.60°E.

25.10 Left bank of river.

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

Chs.	
35.15	Left bank of DuChesne River,bears N.50° E.and S.50° W.
	The point for ¼ sec.cor.will fall in river therefore at this point I
	Set a cobble stone,15x8x4 ins.,10 ins.in the ground,for witness cor.to ¼ sec.cor..mkd.W C ¼ on W.face;from which
	A cottonwoow,5 ins.dia.,bears N.75° E.,100 lks. dist..mkd. W C ¼ S 5 B T.
	A cottonwood,5 ins.dia.,bears S.25° W.,40 lks. dist..mkd.W C ¼ S 6 B T.
39.74	The proportional distance for ¼ sec.cor.
	Point for cor.falls in River.
41.50	Left bank of River,bears N.80° W.and S.80° E.
50.00	Heber-Vernal road,bears N.80° W.and S.80° E.
60.00	Right bank of DuChesne River,2 ft.deep,bears N.50° W.and S.50° E.
61.15	Left bank of river. Begin steep ascent .
62.00	Heber-Vernal road,bears N.50° W.and S.50° E.
75.00	Old road,bears N.80° W.and S.80° E.
80.10	The cor.of secs.5,6,31,and 32.
	Land,mountainous and nearly level.
	Soil,sandy loam;2nd rate.
	Timber,cottonwood along river bank.
	Undergrowth,greasewoods.
	A very little grass .
	Mountainous land,or land covered with dense undergrowth, 70.10 chs.

— 8 —

	S.89° 53' E.,on a retracement line bet.secs.5 and 8.
40.15	Find no trace of old cor.
	Set temp.¼ sec.cor.
80.12	Intersect N.and S.line,2 lks.N.of the cor.of secs.4,5, 8,and 9.

Resurvey of Subdivision of T 4 S R 3 W

Chains.	
	Thence I run
	N.89°52'W.on a true resurvey line bet.secs.5 and 8
	Over nearly level land.
30.00	Heber-Vernal road bears N.80°W.and S.80°E.
30.25	Begin ascent bears N.80°W.and S.80°E.
40.06	Find no trace of old cor.
	Set a sandstone 16x10x5 ins.11 ins.in the ground for ¼ sec.cor.,mkd.¼ on N.face;and raise a mound of stone 2 ft.base 1½ ft.high N.of cor.
75.00	Top of spur 200 ft.above foot,bears N.and S.
	Descend.
80.12	The cor.of secs.5,6,7,and 8.
49.87 / 30.25	Land level and mountainous.
	Soil sandy loam and stony;2nd and 4th rate)
	No timber.
	No grass.
	Mountainous land 49.87 chs.

	N.89°50'W.on a retracement line bet.secs.6 and 7
40.00	The ¼ sec.cor.bet.secs.6 and 7,which is a sandstone 5x 14x10 ins.above ground,firmly set and mkd.and witnessed as described by the surveyor general,bears North 28 lks. dist. To better perpetuate the cor.I raise a mound of stone 2 ft.base 1½ ft.high N.of cor.
85.90	Intersect W.bdy.of Tp.63 lks.S.of the cor.of secs.1,6,7 and 12,heretofore described.
	The course of this line is therefore S.89°25'E.85.90 chs.
	July 30,1904:At the noon hour the sky is overcast and solar observations are impossible.

	South on a retracement line bet.secs.7 and 8
40.00	Find no trace of old ¼ sec.cor.

Resurvey Subdivision of T.4 S.R.3 W.-Continued.

Chains	
	Set temp.$\frac{1}{4}$ sec.cor.
80.00	Find no trace of old cor.of secs.7,8,17,and 18.
	Set temp,cor.of secs.7,8,17,and 18.
	From the temp.cor.just established I run
	East on a retracement line bet.secs.8 and 17
	At 40.00 chs.find no trace of old $\frac{1}{4}$ sec.cor.,and at 79.72 chs.intersect N.and S.line 18 lks.N.of the cor.of secs.8,9,16,and 17.
	I now return to the temp.cor.of secs.7,8,17,and 18,and run
	West on retracement line bet.secs.7 and 18
	At 40.28 chs.I fall 3 lks.N.of the $\frac{1}{4}$ sec.cor.bet.secs.7 and 18,which is a sandstone 5x8x8 ins.above ground,firmly set and mkd.and witnessed as described by the surveyor general. To better perpetuate the $\frac{1}{4}$ sec.cor.I dig pits 18x18x12 ins.E.and W.of stone 3 ft.dist.;and raise a mound of earth $3\frac{1}{2}$ ft.base $1\frac{1}{2}$ ft.high N.of cor.
	I now begin at the above described $\frac{1}{4}$ sec.cor.bet.secs.7 and 18,and run
	West on retracement line bet.the west halves of secs. 7 and 18;and at 46.00 chs.fall 120 lks.S.of the cor.of secs.7,12,13,and 18,heretofore described.
	The course of this half mile is therefore S.88°30'E.
	46.00 chs.
	At 38.00 chs.on this course Colton-Vernal road bears NE. and SW.
	The course bet.the $\frac{1}{4}$ sec.cor.bet.secs.7 and 18 and the corner to secs.8,9,16 and 17 is therefore S.89°56'E.and dist.120 chs.
	I now return to the $\frac{1}{4}$ sec.cor.bet.secs.7 and 18,and run S.89°56'E.on a true resurvey line bet.the east halves of secs.7 and 18;over rolling mesa
10.00	Leave mesa,bears NE.and SW.

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

Chs.	Desc.
38.40	Foot of descent,180 ft.below mesa,bears NE and SW.
	Thence over level land;
38.65	Old road,bears NE and SW.
40.00	Find no trace of the cor.of secs.7,8,17,and 18.
	Set a quartzite stone,16x10x5 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.edges;and raise a mound of stone,2 ft.base, 1½ ft.high,W.of cor. Destroy all traces of temp.cor.
	Land,rolling mesa and mountainous .
	Soil,sandy loam and stony;2nd and 4th rate.
	No timber.
	No grass .
	Mountainous land,28.40 chs.

S.89° 56'E.,on a true resurvey line bet.secs.8 and 17.

Over nearly level land.

5.00	Wash,10 lks.wide,4 ft.deep,course N.20° E.
28.00	Begin ascent,bears N.20° E.and S.20° W.
35.00	Top of ridge,150 ft.above foot,bears N.10° E.and S.10° W.
	Desc.
40.00	Find no traceof old cor.
	Set a sandstone,16x14x8 ins.,11 ins.in the ground,for ¼ sec.cor..mkd.¼ on N.face;and raise a mound of stone, 2 ft.base,1½ ft.high,N.of cor.
42.00	Bottom of hollow,100 ft.below ridge,course N.10° E.
	Asc.
44.00	Top of ascent,75 ft.above hollow bears N.10° E.and S.10° W.
	Thence over mesa.
62.00	Leave mesa,bears N.and S.
	Desc.

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

Chs.	
68.00	Bottom of hollow,130 ft.below mesa,course N.
	Asc.
76.00	Top of ridge,200 ft.above hollow,bears N.and S.
	Desc.
80.00	The cor.of secs.8,9,16,and 17.(80 ft.below ridge.)
34.00	Land,mountainous and level.
46.00	Soil,sandy loam and stony;2nd and 4th rate.
	No timber.
	No grass .
	Mountainous land,34.00 chs.

	N.0°12'E.,on a true resurvey line bet.secs.7 and 8.
	Over nearly level land;
1.20	Old road,bears N.60°E.and S.60°W.
	Begin ascent,bears N.60°E.and S.60°W.
20.00	Top of ascent,150 ft.above sec.cor.,bears NE and SW.
	Thence over mesa.
25.00	Colton-Vernal Road. bears NE. and SW.
40.04	Find no trace of ¼ sec.cor.
	Set a sand cobble stone,15x10x6 ins.,10 ins.in the ground,fo
	for ¼ sec.cor.,mkd.¼ on W.face;and raise a mound of stone,
	2 ft.base,1½ ft.high,W.of cor.
78.00	Leave mesa,bears E.and W.
	Desc.
80.08	The cor.of secs.5,6,7,and 8.
20.80	Land,mountainous and level.
59.28	Soil,sandy loam and stony;3rd and 4th rate.
	No timber.
	No grass .
	Mountainous land,20.80 chs.

July 30,1904.

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

Chs.

July 31,1904:At 7 h 2 m a.m.,l.m.t.,I set off 40° 09'N., on the lat.arc;18° 19'N.,on the decl.arc;and determine a mer.with the solar at the cor.of secs.7,8,17,and 18.

Thence I run

For reasons already explained.

S.0° 4'E.,on a resurvey line bet.secs.17 and 18.

Over nearly level land.

10.00 Wash,10 lks.wide,3 ft.deep,course N.30° E.

40.00 Find no trace of old ¼ sec.cor.

Set a sandstone,14x12x 6 ins.,10 ins.in the ground,for ¼ sec.cor..mkd.¼ on W.face;and raise a mound of stone,2 ft.base,1½ ft.high,W.of cor.

70.00 Foot of ascent,bears N.20° E.and S.20° W.

Asc.

80.00 Find no trace of the old cor.

10.00
70.00

Set a sandstone,17x12x5 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.edges;and raise a mound of stone,2 ft. base,1½ ft.high,W.of cor.

Land mountainous and nearly level.

Soil,sandy loam and gravelly;3rd and 2nd rate.

No timber.

No grass .

Mountainous land,10.00 chs.

S.89° 56'E.,on a random line bet.secs.17 and 20.

40.00 Set temp.¼ sec.cor.Find no trace of old cor.

79.70 Intersect N.and S.line,2 lks.S.of the cor.of secs. 16,17,20,and 21.

Thence I run

N.89° 57'W.on a true line bet.secs.17 and 20.

Over level land.

Resurvey Subdivision of T.4 S. R.3 W.-Continued.

Chs.	
6.75	Road,bears N.35° E. and S.35° W.
	Leave canon bottom and begin ascent,bears N.35° E.and S. 35° W.
16.00	Top of ridge,200 ft.above sec.cor.,bears N.20° E.and S. 20° W.
	Desc.
37.00	Bottom of descent,200 ft.below ridge,bears N.20° E.and S.20° W.
	Thence across broad hollow.
39.85	Find no trace of old cor.
	Set a sandstone,16x12x5 ins.,11 ins.in the ground,for ¼ sec.cor..mkd.¼ on N.face;and raise amound of stone, 2 ft.base,1½ ft.high,N.of cor.
71.50	Leave hollow and begin ascent,bears N.and S.
78.00	Top of ridge,150 ft.above hollow,bears N.and S.
	Desc.
79.70	The cor.of secs.,17,18,19,and 20.
38.45	
41.25	Land,mountainous and nearly level.
	Soil,sandy loam and gravelly;2nd and 3rd rate.
	No timber.
	No grass .
	Mountainous land,38.45 chs.

Note:Knowing from connections already made that the line bet.secs.18 and 19 will not intersect W.bdy.of Tp., within limits,I run

West,on a true resurvey line bet.secs.18 and 19.

Over mountainous land.

Desc.

3.50	Foot of steep descent,100 ft.below sec.cor.,bears N.10° E. and S.10° W.

Resurvey Subdivision of T.4 S. R.3 W.--Continued.

Chs. Thence over rolling land.

38.50 Begin gradual ascent, bears N. and S.

40.00 Find no trace of old cor.

Set a sandstone, 14x8x5 ins., 10 ins. in the ground, for ¼ sec. cor., mkd. ¼ on N. face; and raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.

52.00 Top of spur, 40 ft. above ¼ sec. cor., bears N. and S.

Desc.

61.00 Bottom of hollow, 40 ft. below spur, course N.

Asc.

81.00 Top of spur, 50 ft. above hollow, bears N. and S.

Desc.

83.00 Bottom of hollow, 50 ft. below spur, course N. 30° E.

Desc.

85.90 Intersect W. bdy. of Tp., 110 lks. S. of the cor. of secs. 13, 18, 19, and 24, heretofore described.

Set a sandstone, 18x9x5 ins., 12 ins. in the ground, for closing cor. of secs. 18 and 19, mkd. C. C. on E., with 3 grooves on N., and S. faces; and raise a mound of stone, 2 ft. base, 1½ ft. high, E. of cor.

Note: I destroy all marks on the cor. of secs. 13, 18, 19, and 24, which pertain to secs. 18 and 19.

Land, mountainous and rolling.

Soil, gravelly; 3rd rate.

No timber.

No grass.

Mountainous land, 3.50 chs.

July 31, 1904: At this cor. I set off 18° 15' N., on the decl. arc; and at 0 h 2 m p.m., l.m.t., I observe the sun on the mer. the resulting lat. is 40° 08' N., which is the proper lat. nearly.

S. 0° 4' E., on a resurvey line bet. secs. 19 and 20.

Resurvey Subdivision of T 4 S R 3 W -Continued.

Chs.	
	Over rolling ground.
	Asc.gradually along side of ridge.
40.00	Find not trace of old cor.
	Set a sandstone,24x6x6 ins.,18 ins.in the ground,for ¼ sec.cor..mkd.¼ on W.face;and raise a mound of stone, 2 ft.base,1½ ft.high,W.of cor.
58.00	Top of ridge,200 ft.above sec.cor.,bears N.50° E.and S.50° W.
	Desc.
62.50	Bottom of hollow,25 ft.below ridge,course N.50° E.
	Asc.
67.00	Top of spur,50 ft.above hollow,bears E.and W.
	Desc.
80.00	Find no trace of old cor.
	Set a sandstone,16x9x8 ins.,11 ins.in the ground,for cor.of secs.19,20,29,and30,mkd.with 2 notches on S.and 5 notches on E.edges;and raise a mund of stone,2 ft.base, 1½ ft.high,W.of cor.
	Land,rolling .
	Soil,sandy ;3rd rate.
	No timber.
	No grass .

S.89° 57'E.,on a random line bet.secs.20 and 29.

40.00	Find no trace of old cor.
	Set temp.½ sec.cor.
79.84	Intersect N.and S.line,2 lks.S.of the cor.of secs.21,20, 28,and 29.
	Thence I run
	N.89° 58'W.,on a true resurvey line bet.secs.20 and 29.
	Over mountainous land.
	Desc.

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

Chs.	
5.00	Foot of descent,150 ft.below sec.cor.,bears N.20° W.and S.20° E.
	Enter bottom of Sower's Canon.
	Enter dense greasewoods,bears N.20° W.and S.20° E.
17.00	Wash,125 lks.wide,10 ft.deep,course N.10° E.
25.50	Old road,bears N.30° E.and S.30° W.
27.00	Leave canon bottom,bears N.20° E.and S.20° W.
	Leave greasewoods,bears N.20° E.and S.20° W.
	Asc.over a series of low ridges and hollows.
39.92	Find no trace of old cor.
	Set a sandstone,18x12x4 ins.,12 ins.in the ground,for ¼ sec.cor..mkd.¼ on N.face;and raise a mound of stone, 2 ft.base,1½ ft.high,N.of cor.
79.84	The cor.of secs.19,20,29,and 30.
	Land,mountainous ,rolling and level.
	Soil,sandy loam and gravelly;2nd and 3rd rate.
	No timber.
	Undergrowth,greasewoods.
	No grass .
	Mountainous land,or land covered with dense undergrowth, 27.00 chs.

For reasons already explained I run

West,on a true resurvey line bet.secs.19 and 30.

Over rolling ground.

28.00	Top of ridge,50 ft.above sec.cor.,bears N.35° E.and S.35° W.
	Desc.
40.00	Find no trace of old cor.
	Set a sandstone,16x 12x4 ins.,11 ins.in the ground,for ¼ sec.cor..mkd.¼ on N.face;dig pits,18x18x12 ins.,E.and

Resurvey Subdivision of T 4 S R 3 W -Continued

Chs.	
	W.of stone,3 ft.dist.;and raise a mound of earth,3½ ft.base, 1½ ft.high,N.of cor.
63.00	Wash,10 lks.wide,2 ft.deep,course N.30° E.
85.97	Intersect W.bdy.of Tp.,106 lks.S.,0° 5'W.,of the cor.of secs. 19,24,25,and 30,heretofore described.
	Set a a sandstone,18x9x5 ins.,12 ins.in the ground,for closing cor.of secs.19 and 30,mkd.S.C on E.,with 4 grooves on N.and 2 grooves on S.faces;and raise a mound of stone, 2 ft.base,1½ ft.high,E.of cor.
	Land,rolling .
	Soil,sandy loam;2nd rate.
	No timber.
	No grass .
	Note:I destroy all marks on the cor.of secs.19,24,25,and 30,which pertain to secs.19 and 30.
	July 31,1904.

August 1,1904:At 7 h 2 m a.m.,l.m.t.,I set off 40° 07'N., on the lat.arc;18° 04'N.,on the decl.arc;and determine a mer.with the solar,at the cor.of secs.19,20,29,and 30.

Thence I run

S.0° 4'E.,on a resurvey line bet.secs.29 and 30.

Over rolling ground.

30.00	Bottom of hollow,50 ft below sec.cor.,course N.80° E.
	sc.
39.00	Top of spur,100 ft.above hollow,bears N.75° E.and S.75° W.
	Desc.
40.00	Find no trace of the old ¼ sec.cor.
	Set a sandstone,24x9x6.ins.,18 ins.in the ground,for ¼ sec.cor..mkd.¼ on N.face;and raise a mound of stone, 2 ft.base,1½ ft.high,N.of cor.
48.00	Foot of descent,100 ft.below spur,bears N.80° E.and S.80°

Resurvey Subdivision T.4 S., R.3 W.-Continued.

chs.	
	W.,
	Enter broad hollow.
51.50	Wash,25 lks.wide,3 ft.deep,course N.75° E.
63.00	Foot of descent,bears N.85°W.and S.85°E. Asc.
67.50	Top of spur,50 ft.above hollow,bears E.and W.
	Desc.
80.00	Find no trace of old cor.
	Set a sandstone,16x11x6 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;and raise a mound of stone,2 ft.base, 1½ ft.high,E.of cor.
	Land,rolling .
	Soil,sandy loam and gravelly;2nd and 3rd rate.
	No timber.
	No grass .
	S.89° 58'E.,on a random line bet.secs.29 and 32.
40.00	Find no trace of old ¼ sec.cor.
	Set temp.¼ sec.cor.
70.50	Intersect N.and S.line, 7 lks.N.of cor of secs. 28,29,32,and 33.
	Thence I run
	N.89° 56'W.,on a true resurvey line bet.secs.29 and 32.
	Over mountainous land.
	Asc.
8.00	Top of ridge,150 ft.above sec.cor.,bears N.and S.
	Desc.
21.50	Bottom of hollow,130 ft.below ridge,course N.
	Asc.
35.00	Top of spur,120 ft.above hollow,bears N.and S.
	Desc.
39.00	Find no trace of old cor.
	Set a sandstone,15x12x9 ins.,10 ins.in the ground,for

Resurvey of Subdivisions of T.4 S.,R.3 W.-Continued.

Chs.	¼ sec.cor..mkd.½ on N.face;and raise a mound of stone, 2 ft.base,1½ ft.high,N.of cor.
61.00	Foot of descent,200 ft.below spur,bears N.35°E.and S. 35°W.
	Enter bottom of Sower's Canon.
62.00	Old road,bears N.35°E.and S.35°W.
67.00	Wash,20 lks.wide,4 ft.deep,course N.
	A spring (small) bears N.3.00 chs.dist.
75.00	Old road,bears N.and S.
	Leave canon,bears N.and S.
	Asc.
79.80	The cor.of secs.29,30,31,and 32.
61.00	Land,mountainous and level.
18.80	Soil,sandy and gravelly;3rd rate.
	No timber.
	No grass .
	Mountainous land,61.00 chs.
	For reasons already explained.
	I run
	West,on a true resurvey line bet.secs.30 and 31.
	Over rolling land.
	Asc.
40.00	Find no trace of old ¼ sec.cor.
	Set a sandstone,17x10x3 ins.,12 ins.in the ground,for ¼ sec.cor..mkd.½ on N.face;and raise a mound of stone, 2 ft.base,1½ ft.high,N.of cor.
80.00	Top of ridge 200 ft.above sec.cor.,bears N.35°E.and S.35° W.
	Desc.
86 86.20	Intersect W.bdy.of Tp.,100 lks.S.0°5'W.,from the cor.of secs.25,30,31,and 36,heretofore described.

Resurvey Subdivision of T.4 S. R.3 W.-Continued.

Chs.	
	Set a sandstone,18x12x4 ins.,12 ins. in the ground,for closing cor.of secs.30 and 31,mkd.C-C on E.,with 5 grooves on N.and 1 groove on S.faces;and raise a mound of stone,2 ft.base,1½ ft.high,E.of cor.
	Note:I destroy all marks on the cor.of secs.25,30,31, and s6,which pertain to secs.30 and 31.
	Land,rolling.
	Soil,sandy loam;2nd rate.
	No timber.
	No grass.
	August 1,1904:At this cor.I set off 18° 00'N.,on the decl. arc;and at 0 h 2 m p.m.,l.m.t.,I observe the sun on the mer.the resulting lat.is 40° 06'N.,which is the prpper lat.nearly.
	S.0° 4'E.,on a true resurvey line bet.secs.31 and 32.
	Over rolling land.
	Desc.
9.00	Foot of descent,bears N.30° E.and S.30° W.Road,bears with same
	Enter bottom of Sower's Canon.
	Enter dense greasewoods,bears N.30° E.and S.30° W.
20.00	Wash,20 lks.wide,3 ft.deop,course N.20° E.
29.50	Old road,bears N.40° E.and S.40° W.
30.00	Leave canon,bears N.40° E,and S.40° W.
	Leave undergrowth,bears N.40° E.and S.40° W.
	Asc.over mountainous land.
34.00	Top of spur,75 ft.above canon bottom,bears E.and W.
	Desc.
40.00	Find no trace of old ¼ sec.cor.
	Set a sandstone,16x12x5 ins.,11 ins.in the ground,for ¼ sec.cor.,mkd.¼ on W.face;and raise a mound of stone, 2 ft.base,1½ ft.high,W.of cor.

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

Chs	
41.00	Bottom of hollow,50 ft.below spur,course W.
	Asc.
50.00	Top of spur,100 ft.above hollow,bears E.and W.
	Desc.
58.00	Bottom of hollow,125 ft.below spur,course W.
	Asc.
74.00	Top of spur,100 ft.above hollow,bears E.and W.
	Desc.
78.25	Intersect 1st Standard Parallel South,5.76 chs.N.89° 34'E.,
69.25	from the standard cor.of secs.31.and 32,heretofore
9.00	described.
	Set a sandstone,20x10x6 ins.,15 ins.in the ground,for closing cor.of secs.31 and 32,mkd.C C.on N.,with 5 grooves on E.and 1 groove on W.face;and raise a mound of stone, 2 ft.base,1½ ft.high,N.of cor. Destroy marks on old Std. cor.referring to secs.31 and 32.
	Land level and mountainous.
	Soil,sandy loam and gravelly;2nd and 3rd rate.
	No timber.
	Undergrowth,greasewoods .
	No grass .
	Mountainous land,or land covered with dense undergrowth, 69.25 chs.

August 1,1904.

GENERAL DESCRIPTION.

This township contains contains several varieties of land from level canon bottom in the northern part to rocky ridges in the southern part.

Resurvey Subdivision of T 4 S R.3 W -Continued.

Chs. The soil ranges from sandy loam in the bottoms of hollows, on mesas, and along the river bottom, 2nd rate, to stony ground on some of the ridges and side hills sloping toward the DuChesne River 4th rate. The remainder of the township is generally gravelly; 3rd rate.

The DuChesne River runs through the north end of the township; it has an average width of 2.00 chs. and an average depth of 3 ft. There is also a small spring in sec. 29.

A canal, averaging about 15 lks. in width and 1 ft. deep, of water, is taken out of the river in sec. 5 and runs easterly through the township. Some of the water is used by Indian settlers in this township for irrigation but the major part of it is used lower down the river.

There are indian settlers and cultivated land in secs. 3 and 11 and a farm in sec. 10 which has been deserted on account of continued dry weather.

There is no mineral in the township.

Andy J. Stewart
U.S. Deputy Surveyor.

August 1, 1904.

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There being no Notary Public, or other officer authorized to administer oaths, at the beginning or ending of this survey, in order to save time and expense we administer the preliminary and final oaths for the various classes of lines ourselves.

John R Stewart

Andy J Stewart
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 Andy J. Stewart, United States Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the ~~survey of~~ retracement and resurvey of the subdivision of T. 4 S., R. 2 W.; and T. 4 S., R. 3 W., of the Uintah Special Base and Meridian, Utah,

showing the respective capacities in which they acted:

J. Frank Hoyt, Chainman.
John H. Kienke, Chainman.
Harvey R. Booth, Moundman.
Elmer A. Jacobs, Moundman.
George T. Littley, Axman.
Bert Carter, Axman.
Arthur Harris, Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted Andy J. Stewart, United States Deputy Surveyor, in ~~surveying all~~ retracing and resurveying all those parts or portions of the subdivision of T. 4 S., R. 2 W.; and T. 4 S., R. 3 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.

J. Frank Hoyt, Chainman.
John H. Kienke Jr, Chainman.
Harvey R. Booth Jr, Moundman.
Elmer A. Jacobs, Moundman.
George T. Littley, Axman.
Bert Carter, Axman.
Arthur Harris, Flagman.

Subscribed and sworn to before me this 14 day of August 1904, ~~189~~

SEAL

Andy J. Stewart
U. S. Dep. Sur.

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BOOK A-309

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, Andy J. Stewart, 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 22nd 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, retraced and re-surveyed all those parts or portions of the subdivision of T. 4 S., R. 2 W., and T. 4 S., R. 3 W.,

of the Uintah Special Base and meridian, in the State of Utah, which are represented in the foregoing field notes as having been retraced and re-surveyed by me, and under my direction; and I do further solemnly swear that all the corners of said retracement and re-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 retracement and re-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.

Andy J. Stewart
United States Deputy Surveyor.

Subscribed by said Andy J. Stewart, and sworn to before me this 21st day of September 1904

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

SEAL

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, October 18 1904

The foregoing field notes of the retracement and re-survey of the subdivisional lines of Township 4 South, Range 3 West of the Uintah Special Base & Meridian, Utah

executed by John R. Stewart and Andy J. Stewart under his new contract No. 271, dated July 22 1903, ~~189~~, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the retracements and re-surveys they describe, are hereby approved.

Edward H. Anderson
United States Surveyor General.

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

United States Surveyor General.

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BOOK A-309

FIELD NOTES

OF THE ~~SURVEY~~ Resurvey OF THE

South Boundary of

T 2 N. R. 4 W.

Of the Uintah Special Base and Meridian,

Utah

AS SURVEYED BY

James C. Dick and Austin R. Tiernan, United States Deputy Surveyors

Under ~~his~~ their Contract No. 272, dated July 22 1903, ~~189~~

Survey commenced August 24 1903, ~~189~~

Survey completed August 27 1903, ~~189~~

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BOOK A-309

NAMES AND DUTIES OF ASSISTANTS.

H. H. Bader	Chainman.
Robt. A. Orbison	Chainman.
Will Castleton	Groundman.
John Davis	Axman.
Francis M. Benton	Axman.
Joseph Harrison	Flagman.

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Volume

#

R0309

BOOK A-309

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Meanders Page.....

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PRELIMINARY OATHS OF ASSISTANTS.

We, W. H. Baden and Robt. Ord

do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level chain over even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of the S. Bdy. of T. 22 N. R. 40 E. Uintah Special Base and Mer. Utah

W. H. Baden, Chainman.

Robt. Ord, Chainman.

Subscribed and sworn to before me this 26th day of August, 1903

James C. Dick
US Dep. Surveyor

SEAL

~~We~~, Will Castleton ~~and~~

do solemnly swear that ~~we~~ will well and truly perform the duties of moundman in the establishment of corners, according to the instructions given ~~us~~ me, to the best of ~~our~~ my skill and ability, in the survey of the S. Bdy. of T. 22 N. R. 40 E. Uintah Special Base and Meridian Utah

Will Castleton, Moundman.

, Moundman.

Subscribed and sworn to before me this 26th day of August, 1903

James C. Dick
US Dep. Surveyor

SEAL

We, John Davis and Francis M. Benton

do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey of the S. Bdy. of T. 22 N. R. 40 E. Uintah Special Base and Mer. Utah

John Davis, Axman.

Francis M. Benton, Axman.

Subscribed and sworn to before me this 26th day of August, 1903

James C. Dick
US Dep. Surveyor

SEAL

I, Joseph Harrison, do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of the S. Bdy. of T. 22 N. R. 40 E. Uintah Special Base and Mer. Utah

Joseph Harrison, Flagman.

Subscribed and sworn to before me this 26th day of August, 1903

James C. Dick
US Dep. Surveyor

SEAL

6—13

Resurvey of S. Bdy. of T. 2 N. R. 4 W.

August 26/03 The south boundary of this township has been surveyed under a previous contract executed by D. O. Major Sept., 1882.

To comply with the special instructions issued for this contract I retrace this line to find whether the cors. correspond with the survey of T 2 N R 4 W.

I proceed as follows:—

Survey commenced Aug. 26, 1903, and executed with a Buff and Berger transit, No. 2323, the horizontal limb being provided with two opposite verniers reading to single minutes of arc.

The instrument was examined, tested on the true meridian at Salt Lake City, found correct, and was approved by the surveyor general for Utah, Aug. 20, 1903.

I examine the adjustments of the transit, and correct the level and collimation errors; then to determine the true meridian by observation on Polaris I proceed as follows:—

At the N. E. cor. of Tp. 1 N. R. 4 W. Uintah Special Base and Meridian, which is a sandstone 10 x 5 x 5 ins. above ground, firmly set, and marked and witnessed as described by the surveyor general, in approximate latitude 40°31'33" N., longitude 110°17'57" W. at 9h 13m p.m. l. m. t. I observe Polaris at eastern [illegible] in ac-

Resurvey of S. Bdy. of T. 2 N. R. 4 W.

Chains

cordance with the instructions in the Manual, and mark the line thus determined by a tack driven in a wooden peg set in the ground five chains north of my station.

August 26, 1913.

August 27, 1913, at 6.30 a.m. I lay off the azimuth of Polaris 1°35.5' to the west and mark the true meridian thus determined by a cross on a rock firmly set in the ground west of the point established last night; the magnetic bearing of said true meridian is N. 16°35' W. which gives the magnetic declination 16°35' E.

Thence I run N. 89°57' W on a retracement line bet. secs. 1 and 36, at 40.00 chs. I do not find any trace of the corner, and at 80.00 chs. I do not find the cor. I continue my line, but find none of the corners. At 5 miles 80.71 chs. I fall 176 lks. N. of cor. to Tps. 1 and 2 N. Rgs. 4 and 5 W. which is a sandstone 4x15x6 in. above ground, marked and witnessed as described by the surveyor general. Since I could not find any of the corners I resume the S. bdy. of Tp. 2 N. R. 4 W., setting the corners as proportionate distances, as follows:

Resurvey of S. Bdy. of T. 2 N. R. 4 W.

Chains	
	N. 89° 57' E. on a true line bet. secs. 6 and 31.
	Ascend through dense pine timber.
20.40	Ridge 300 ft. high brs. N. and S.
	Steep descent.
24.35	Washin-gulch drs. S. E.
	Ascend.
29.00	Ridge 175 ft. high brs. N. and S.
39.857	Set a sandstone 14 X 16 X 10 ins. 12 ins. in the ground for 1/4 sec. cor., marked 1/4 on N. face;
	from which,
	a pine 7 ins. diam. brs. N. 26° E. 23 lks. dist., marked 1/4 S. 31 B.T.
	a pine 12 ins. diam. brs. S. 35° E. 14 lks. dist., marked 1/4 S. 6 B.T.
	Steep descent.
45.35	Gulch drs. S. W.
	Ascend through pines and aspens.
59.50	Ridge 350 ft. high brs. N. W. and S. E. Descend.
77.20	Dry creek bed drs. S.
79.935	Set a sandstone 16 X 12 X 12 ins. 11 ins. in the ground for cor. to secs. 5, 6, 31, and 32, marked with 1 notch on W. and 5 notches on E. edge; from which
	a pine 6 ins. diam. bears N. 30° E., 14 lks. dist., marked T. 2 N. R. 4 W. S. 32 B.T.
	a pine 6 ins. diam. bears N. 45° W., 25 lks. dist., marked T. 2 N. R. 4 W. S. 31 B.T.
	a pine 8 ins. diam. brs. S. 38° W. 12 lks. dist., marked T. 1 N. R. 4 W. S. 6 B.T.
	a pine 10 ins. diam. brs. S. 65° E. 16 lks. dist., marked T. 1 N. R. 4 W. S. 5 B.T.
	Land, mountainous.

Resurvey of S. Bdy. of T. 2 N. R. 4 W.

Chains	Soil, rocky; 4" rate. Timber, pine and aspen. Mountainous and heavy timbered land 79.935 chs.
	"N. 89°57' E. on a true line bet. secs. 5 and 32. Ascend through pine timber.
7.50	Ridge 200 ft. high brs. N. and S. Descend.
19.10	Wash in gulch 250 ft. deep drs. S. Ascend
28.00	Ridge 175 ft. high brs. N. E. and S.W.
40.0775	Set a sandstone 18 X 16 X 12 ins. 12 ins. in the ground for 1/4 sec. cor. marked 1/4 on N. face; from which A pine 8 ins. diam. brs. S. 55° E. 28 lks. dist. marked 1/4 S. 5 B.T. A pine 10 ins. diam. brs. N. 10° W. 45 lks. dist. marked 1/4 S. 32 B.T. Continue descent through pines and mahogany brush.
49.30	Dry creekbed in gulch 150 ft. deep drs. S. E. Ascend
50.50	Leave pines and aspens brs. N. W. and S. E.
52.00	Top of ascent of 50 ft. Descend.
80.155	Set a sandstone 24 X 24 X 6 ins. 18 ins. in the ground for cor. to secs. 4, 5, 32 and 33, marked with 2 notches on W. and 4 notches on E. edges and raised a mound of stone 2 ft. base 1 1/2 ft. high W. of cor. Pits impracticable. Land mountainous. Soil, rocky; 4" rate. Timber, pine and aspen. Mountainous land 80.155 chs.

Resurvey of S. Bdy. of T. 2 N. R. 4 W.

Chains	Heavy timber 51.80 ch.
	August 27, 1903.
	August 28.
	N. 89° 57' E. mature line bet. secs. 4 and 33.
	Rocky descent over a succession of benches
24.15	Top of precipitous descent of 75 ft. brs. N. and S.
27.35	Foot of descent.
	Continue descent
40.0775	Set a quartzite stone 20 X 14 X 10 ins. 15 ins. in the ground for 1/4 sec. cor. marked 1/4 on N. face; raised a mound of stones 2 ft. base 1 1/2 ft. high N. of cor.
	Pits impracticable
52.00	Begin steep descent to
53.80	Enter creek bottom of Lake Fork and dense willows brs. N. and S.
62.50	W. bank of Lake Fork 1 1/2 ft. deep, course S.
63.92	E. bank of Lake Fork.
71.45	Leave creek bottom and dense willows brs. N. and S.
80.155	Set a sandstone 18 X 12 X 6 ins., 12 ins. in the ground for cor. to secs. 3, 4, 33 and 34, marked with 3 notches on W. and E. edges, and raised a mound of stone 2 ft. base 1 1/2 ft. high W. of cor.
	Pits impracticable.
	Land, mountainous.
	Soil, sandy loam and rocky, 1" and 4" rate.
	Timber. willows
	Mountainous land 62.205 ch.
	Dense willows. 17.95 ch.

Resurvey of S. Bdy. of T. 2 N. R. 4 W.

Chain	N. 49°57' E. on a true line bet. secs. 3 and 34
	Ascend up slope of ridge brs. N. and S.
13.00	Begin very steep rocky ascent.
20.40	Enter scattering pines brs. N. and S.
26.75	Ridge 8.00 pt. high brs. N. and S.
	Steep descent
34.00	Foot of descent.
	Enter flat brs. N. and S.
36.00	Ascend through scattering pines and aspen saplings.
40.0775	Set a sandstone 24 X 14 X 6 ins. 18 ins. in the ground for ¼ sec. cor. marked ¼ on N. face, and raised a mound of stone 2 ft. base 1½ ft. high N. of cor.
	Pits impracticable.
	No suitable bearing trees available, being too small.
44.00	Leave scattering pines and aspen saplings brs. N. W. and S. E.
47.60	Ridge 4.00 pt. high brs. N. W. and S. E.
	Steep descent through dense service berry brush, and mahogany brush
59.50	Foot of steep descent.
	Leave brush and enter dense aspens brs. N. W. and S. E.
64.50	Leave dense aspens brs. N. and S.
75.50	Foot of descent
	Across small open flat brs. N. W. and S. E.
79.50	Rocky ascent from flat brs. N. E. and S. W.
80.155	Set a sandstone 24 X 24 X 6 ins. 18 ins. in the ground for cor. to

Resurvey of S. Bdy. of T. 2 N. R. 4 W.

Chains | secs. 2, 3, 34 and 35; marked with 4 notches on W. and 2 notches on E. edges; and raised a mound of stone 2 ft. base 1½ ft. high W. of cor.
Pits impracticable.
Land, mountainous.
Soil, sandy and rocky; 3" and 4" rate.
Timber, pine aspen, service berry and mahogany brush.
Mountainous land 80.155 chs.
Heavy timber and dense brush, 19.90 chs.

N. 89° 57' E. on a true line bet. secs. 2 and 35.
Steep rocky ascent.
3.00 Ridge 75 ft. high brs. N. E. and S. W.
Descend over long rocky slope.
17.00 Enter aspens brs. N. and S.
21.00 Leave aspens brs. N. and S.
40.0775 Set a sandstone 16 X 12 X 12 ins. 11 ins. in the ground for ¼ sec. cor. marked ¼ on N. face; and raised a mound of stone 2 ft. base 1½ ft. high N. of cor.
Pits impracticable.
43.00 Wash in gulch drs. S. E.
58.00 Ridge 250 ft. high brs. N. W. and S. E.
Descend steep slope.
61.10 Wash 60 ft. deep drs. S. E.
66.00 Ridge 100 ft. high brs. N. W. and S. E.
80.155 Set a sandstone 24 X 16 X 8 ins. 11 ins. in the ground for cor. to secs. 1, 2, 35 and 36, marked with 5 notches on W. and 1

Resurvey of S. Bdy. of T. 2 N. R. 4 W.

Chains	
	notch on E. edge; and raised a mound of stone 2 ft. base 1½ ft. high W. of cor.
	Pits impracticable.
	Land mountainous.
	Soil, rocky, 4" rate.
	Timber, aspen.
	Mountainous land 40.155 ch.
	Dense timber 400 ch.

	N. 89°57' E. on a true line bet. secs. 1 and 36.
	Descend
5.00	Creek drs. S. E.
	Ascend.
10.00	Ridge 75 ft. high brs. N. W. and S. E.
20.40	Creek drs. S. E.
26.10	Ridge 100 ft. high brs. N. W. and S. E.
	Descend.
40.0775	Set a sandstone 24 x 16 x 6 in. 18 in. in the ground for ¼ sec. cor. marked ¼ on N. face, and raised a mound of stone 2 ft. base 1½ ft. high N. of cor.
62.70	Dry creek bed in gulch drs. S.
	Ascend through scattering pines.
69.00	Ridge 100 ft. high brs. N. and S.
	Descend
80.155	The N. E. cor. Tp. 1 N. R. 4 W. which is also cor. of Tps. 1 and 2 N. Rs. 4 W.
	Land, mountainous.
	Soil, rocky, 3" and 4" rate.
	Timber, pines.
	Mountainous land 80.160 ch.

August. 28, 1913.

Resurvey of S. Bdy. of T. 2 N. R. 4 W.

For general description see notes of the survey of "Subdivisions of T. 2 N. R. 4 W."

James C Dick
U.S. Dep. Surveyor

For table of latitudes and departures see, North Bdy. of T. 2 N. R. 4 W.

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

James C Dick
U.S. Dep. Surveyor

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BOOK A-309

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by James C. Dick, United States Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the re survey of the S. Bdy. of T. 2 N. R. 4 W., Vintah Special Base and Meridian Utah showing the respective capacities in which they acted:

H. H. Bader, *Chainman.*
Robt. Orbison, *Chainman.*
Will Castleton, *Moundman.*
, *Moundman.*
John Davis, *Axman.*
Francis M. Benton, *Axman.*
Joseph Harrison, *Flagman.*

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted James C. Dick, United States Deputy Surveyor, in surveying all those parts or portions of the Resurvey of the S. Bdy. of T. 2 N. R. 4 W. of the Vintah Special Base and meridian, State of Utah, which are represented in the foregoing field notes as having been re surveyed by him and under his direction; and that said re survey has been in all respects, to the best of our knowledge and belief, well and faithfully re surveyed, and the corner monuments established, according to the instructions furnished by the United States Surveyor General for Utah.

H. H. Bader, *Chainman.*
Robt. Orbison, *Chainman.*
Will Castleton, *Moundman.*
, *Moundman.*
John Davis, *Axman.*
Francis M. Benton, *Axman.*
Joseph Harrison, *Flagman.*

Subscribed and sworn to before me this 20th day of November, 1903

James C. Dick
U.S. Dep. Surveyor

SEAL

6—151

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, James C. Dick, United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from Edward H. Anderson United States Surveyor General for the District of 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 the District of Utah, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of the South Boundary of Township 2 North Range 4 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 the District of Utah and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey; and should any fraud be detected, I will suffer the penalty of perjury under the provisions of an Act of Congress approved August 8, 1846.

James C. Dick
United States Deputy Surveyor.

Subscribed by said James C. Dick, and sworn to before me this 23d day of February 1904

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

SEAL

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, June 30, 1904.

The foregoing field notes of the survey of the South Boundary of Township 2 North Range 4 West of the Uintah Special Base & Meridian, Utah

executed by James C. Dick & Austin N. Tiernan under his contract No. 272, 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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BOOK A-309

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FILED

FEB 23 1904

FIELD NOTES

OF THE SURVEY OF THE

First Guide Meridian West
through
Townships 2 and 3 North

Of the Uintah Special Base and Meridian,
Utah

AS SURVEYED BY

James C. Dick & Austin K. Tiernan, United States Deputy Surveyors

Under ~~his~~ their Contract No. 272, dated July 22, 1903, ~~189~~

Survey commenced August 28, 1903, ~~189~~

Survey completed September 3, 1903, ~~189~~

6—151

2 Smith high 6-05-10 ✓
3 " " 6-06-10 ✓

BOOK A-309

NAMES AND DUTIES OF ASSISTANTS.

Hugh H. Bader, Chainman.
Robt. V. Orbison, Chainman.
J. Ray Carson, Chainman.
Francis M. Benton, Chainman.
Will Castleton, Moundman.
John Davis, Axman.
Moroni Nielsen, Axman.
Joseph Harrison, Flagman.

BOOK A-309

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Meanders Page.....

PRELIMINARY OATHS OF ASSISTANTS.

WE, Hugh H. Bader, Robt. V. Orbison and J. Ray Carson and Francis M. B.

do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain over even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of the First Bridge Meridian West through Tps. 2 and 3 N. of the Uintah Special Base and Meridian, Utah

Hugh H. Bader, J. Ray Carson, Chainmen.

Robt. V. Orbison, Francis M. Benton, Chainmen.

Subscribed and sworn to before me this 26th day of August, 1903

SEAL

James C. Dick
US Dep. Surveyor

~~We~~, I, Will Castleton ~~and~~

do solemnly swear that ~~we~~ will well and truly perform the duties of moundman in the establishment of corners, according to the instructions given ~~us~~ me, to the best of ~~our~~ my skill and ability, in the survey of the First Bridge Meridian West through Tps. 2 and 3 N. of the Uintah Special Base and Meridian, Utah

Will Castleton, Moundman.

; Moundman.

Subscribed and sworn to before me this 26th day of August, 1903

SEAL

James C. Dick
US Dep. Surveyor

WE, John Davis and Moroni Nielsen

do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey of the First Bridge Meridian West through Tps. 2 and 3 N. of the Uintah Special Base and Meridian, Utah

John L. Davis, Axman.

Moroni Nielsen, Axman.

Subscribed and sworn to before me this 26th day of August, 1903

SEAL

James C. Dick
US Dep. Surveyor

I, Joseph Harrison, do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of the First Bridge Meridian West through Tps. 2 and 3 N. of the Uintah Special Base and Meridian, Utah

Joseph Harrison, Flagman

Subscribed and sworn to before me this 26th day of August, 1903

SEAL

James C. Dick
US Dep. Surveyor

6—151

Guide Meridian West, through Tps. 2 N. bet. Rs. 4 and 5

China.

Survey commenced August 26, 1903, and executed with a Buff and Berger transit No. 2823 the horizontal limb being provided with two opposite veniers reading to single minutes of arc. For further description of which see notes of Resurvey of S. bdy. of T. 2 N. R 4 W. in Book d.

I begin at the Tp. cor. to Tps. 1 and 2 N. Rgs. 4 and 5 W. heretofore described in the notes of resurvey of the S. bdy of T. 2 N. R. 4 W. in approximate latitude 40° 31' 33" N., longitude 110° 24' 46" W.

At this corner, at 9h. 5m. p.m. l.m.t. I observe Polaris at eastern elongation in accordance with instructions in the manual, and mark the point in line thus determined by a tack driven in a wooden peg set in the ground, 5.00 ch. north of my station.

August 26, 1903.

August 29 at 6h 30m a.m. I lay off the azimuth of Polaris 108° 55' 5" to the west, and mark the meridian thus determined by a cross on a stone firmly set in the ground west of the point established last night.

...st Guide Meridian West, through Tps 2 N. bet. Rs. 4 and 5 W.

Chains | The magnetic bearing of the true meridian is N. 16° 43' W. which gives the magnetic declination 16° 43' E.
From the Tp. cor. I run North bet secs. 31 and 36.
Descend through heavy pine timber.

6.25 | Gulch 275 ft. deep drs. S.W.
Ascend through pines.
Difference bet. measurements of 45.10 chs is 16 lks., by two sets of chainmen; position of middle point
By 1" set, 45.18 chs
By 2" set, 45.02 chs.; the mean of which is

45.10 | Set a sandstone 14 X 9 X 7 ins. 9 ins. in the ground for ¼ sec. cor., marked ¼ on W. face; from which,-
A pine 7 ins. diam bears S 41° E., 38 lks. dist., marked ¼ S. 31 B.T.
A pine 11 ins. diam. bears N. 86° W. 21 lks. dist., marked ¼ S. 36 B.T.
Continue ascent through dense timber.
Difference bet. measurements of 85.10 chs. by two sets of chainmen, is 12 lks.; position of middle point
By 1" set, 85.16 chs
By 2" set, 85.04 chs, the mean of which is 85.10 chs.

85.10 | Set a sandstone 16 X 12 X 4 ins. 11 ins. in the ground for cor. to secs 25, 30, 31 and 36, marked with 1 notch on S. and 5 notches on N. edge; from which

First Guide Meridian West, through Tps. 2 N., bet. Rs. 4 and

Chains

a pine 18 ins. diam., bears N. 80° 30' E. 79 lks. dist., marked T2NR4W S. 30 B.T.

an aspen 6 ins. diam., bears S. 14° E. 77 lks. dist., marked T.2N.R.4W. S. 31 B.T.

an aspen 10 ins. diam., bears S 18° W 94 lks. dist., marked T2NR5W S 36 B.T.

an aspen 6 ins. diam., bears N. 60° W. 69 lks. dist., marked, T2NR5W S. 25 B.T.

Land, mountainous.
Soil, rocky; 3" and 4" rate.
Timber, pine and aspen.
Mountainous and heavy timbered land 80.12 ch.

N. bet. secs. 25 and 36.
Continue ascent through dense pines and aspens.
Difference between measurements of 40.12 ch. by two sets of chainmen in 12 lks.; position of middle point
By 1st set 39.94 ch.
By 2nd set 40.06 ch.; the mean of which is

40.12 Set a sandstone 14 X 12 X 6 ins., 12 ins. in the ground for 1/4 sec. cor. marked 1/4 on W. face; from which,

a pine 18 ins. diam., bears S. 59° E. 19 lks. dist., marked 1/4 S. 30 B.T.

a pine 14 ins. diam., bears N. 65° W. 38 lks. dist., marked 1/4 S. 25 B.T.

Bride Meridian West, through Tps. 2 N., bet. Rs. 4 and 5 W.

Chains	The difference bet. measurements of 80.00 chs. by two sets of chainmen, is 20 lks.; position of middle point.
	By 1 set, 80.10 chs.
	By 2 set, 79.90 chs.; the mean of which is
80.00	Set a sandstone 36 x 12 x 12 ins. 27 ins. in the ground for cor. to secs. 19, 24, 25 and 30 marked with 2 notches on the S. and 4 notches on N. edge; from which
	A red pine 12 ins. diam, bears N. 54° W. 41 lks. dist. marked T. 2 N. R. 5 W. S. 24 B.T.
	A pine 10 ins. diam, bears N. 10° E. 20 lks. dist. marked T. 2 N. R. 4 W. S. 19 B.T.
	A pine 12 ins. diam, bears S. 20° E. 65 lks. dist. marked T. 2 N. R. 4 W. S. 30 B.T.
	A pine 14 ins. diam, bears S. 30° W. 60 lks. dist. marked T. 2 N. R. 5 W. S. 25 B.T.
	Land, mountainous.
	Soil, rocky, 3" and 4" rate.
	Timber, pine and aspen.
	Mountainous and heavy timbered land 80.00 ch.

	N. bet. secs. 19 and 24.
	Ascend through pines, aspens, and fallen timber.
23.00	Leave dense timber brs. N. W. and S. E.
30.00	High ridge 700 ft. high brs. N. W. and S. E.

...t Guide Meridian West, through Tp. 2 N., bet. Rs. 4 and 5 W.

Summit covered with timber.

Descend

Difference bet. measurements of 40.00 chs. by two sets of chainmen, in 16 lks.; position of middle point

By 1st set, 40.04 chs.

By 2nd set, 39.92 chs., the mean of which is

40.00 Set a sandstone 16 X 10 X 5 ins. 11 ins. in the ground for 1/4 sec. cor., marked 1/4 on N. face; from which,

A pine 10 ins. diam., bears N. 49 W. 91 lks. dist., marked 1/4 S. 2 B.T.

No other bearing trees, so I raise a mound of stones 2 ft. base 1 1/2 ft. high N. of cor.

Pits impracticable.

40.00 Enter dense pines, aspen, and underbrush.

Difference bet. measurements of 40.00 chs. by two sets of chainmen, in 24 lks.; position of middle point.

By 1st set, 40.1[illegible] chs.

By 2nd set, 79.[illegible], the mean of which is

80.00 Set a sandstone 18 X 12 X 5 ins. 12 ins. in the ground for cor. to secs. 13, 18, 19 and 24, marked with 3 notches on N. and E. edges; from which,

A pine 16 ins. diam., bears N. 23 W. 30 lks. dist., marked T. 2 N. R. 5 W. S. 13 B.T.

A pine 14 ins. diam., bears N. 88 E. 40 lks. dist., marked T. 2 N. R. 4 W. S. 18 B.T.

...rst Guide Meridian West, through Tps. 2 N., bet. Rs. 4 and 5 ...

Chains

A pine 8 ins. diam. brs. S. 48° E. 35 lks. dist., marked T. 2 N. R. 4 W. S. 19 B.T.

A pine 16 ins. diam., bears S. 34° W., 47 lks. dist., marked T. 2 N. R. 5 W. S. 24 B.T.

Land, mountainous.

Soil, rocky; 3" and 4" rate.

Timber, pine and aspen.

Mountainous land or Heavy timbered land 80.00 chs.

August 29, 1903.

August 30, 1903.

N. bet. secs. 13 and 18.

Descend through dense pines and fallen timber, and dense aspens.

21.00 Cañon 800 ft. deep drs. E.

Steep ascent.

Difference bet. measurements of 40.00 chs. by two sets of chainmen is 8 lks.; position of middle point

By 1" set, 40.04 chs.

By 2" set, 39.96 chs.; the mean of which is

40.00 Set a sandstone 16 X 8 X 6 ins., 11 ins. in the ground for ¼ sec. cor. marked ¼ on W. face; from which

A pine 8 ins. diam. bears N. 79° W., 17 lks. dist., marked ¼ S. 13 B.T.

A pine 8 ins. diam., bears N. 42° E., 26 lks. dist., marked ¼ S. 18 B.T.

Continue steep ascent.

50.00 Ridge 700 ft. high brs. E. and W.

First Guide Meridian West, through Tps. 2 N., bet. Rs. 4 and

Chains	
	Descend.
	Difference bet. measurements of 80.00 chs. by two sets of chainmen, in 14 chs.; position of middle point
	By 1st set 79.93 chs.
	By 2nd set 80.07 chs.; the mean of which is
80.00	Set a sandstone 20x12x8 ins., 15 ins. in the ground, for cor. to secs. 7, 12, 13 and 18, marked with 4 notches on S. and 2 notches on N. edge, from which,
	A pine 8 ins. diam., bears N. 41° W. 21 lks. dist. marked T. 2 N. R. 5 W. S. 12 B.T.
	A pine 8 ins. diam., bears N. 26° E. 50 lks. dist. marked T 2 N R 4 W S 7 B.T.
	A pine 7 ins. diam., bears S. 27° E. 75 lks. dist. marked T. 2 N. R. 4 W. S. 18 B.T.
	A pine 10 ins. diam., bears S. 29° W. 80 lks. dist., marked T. 2 N. R. 5 W. S. 13 B.T.
	Land, mountainous.
	Soil, rocky; 4th rate.
	Timber, pine, aspen and fallen trees.
	Mountainous and heavy timbered land 80.00 chs.

	N. bet. secs. 7 and 12.
	Descend steep slope through pines and fallen timber.
28.00	Spring branch 1 lk. wide 2 ins. deep, course N. E.

...t Guide Meridian West, through Tps. 2 N., bet. Rs. 4 and 5 W.

Chains	
30.00	Creek 10 lks. wide 6 ins. deep in cañon 800 ft. deep, course East. Steep ascent through dense pines and aspens. Difference bet. measurements of 40.00 chs., by two sets of chainmen, is 18 lks.; position of middle point. By 1" set, 39.91 chs. By 2" set, 40.09 chs.; the mean of which is,
40.00	Set a sandstone 24 X 12 X 12 ins., 18 ins. in the ground for ¼ sec. cor. marked ¼ on W. face; from which A pine 6 ins. diam. brs. N. 82° W. 52 lks. dist. marked ¼ S. 12 B.T. A pine 12 ins. diam. bears N. 31° E. 40 lks. dist., marked ¼ S. 7 B.T.
59.00	Ridge 600 ft. high brs. E. and W. Descend.
69.00	Ravine 250 ft. deep, drs. E. Ascend through pines, aspens, fallen and burned timber. Difference bet. measurements of 80.00 chs. by two sets of chainmen, is 16 lks.; position of middle point. By 1" set, 80.08 chs. By 2" set, 79.92 chs.; the mean of which is
80.00	Set a sandstone 14 X 12 X 5 ins., 9 ins. in the ground for cor. to secs. 1, 6, 7, and 12; marked with 5 notches on S. and 1 notch on N. edges; from which

...st Guide Meridian West, through Tps. 2 N., bet. Rs. 4 and

Chains

A pine 12 ins. diam., bears N. 52° W. 75 lks. dist., marked T 2 N R 5 W. S. 1 B T.

A pine 10 ins. diam., bears N. 35° E. 27 lks. dist., marked T. 2 N. R. 4 W. S. 6 B. T.

A pine 6 ins. diam., bears S. 50° E. 42 lks. dist., marked T. 2 N. R. 4 W. S. 7 B. T.

A pine 8 ins. diam., bears S. 11° W. 23 lks. dist., marked T. 2 N. R. 5 W. S. 12 B. T.

Land mountainous.

Soil, sandy and rocky; 3" and 4" rate.

Timber pine, aspen, and fallen trees.

Mountainous and heavy timbered land 80.00 chs.

N. bet. secs. 1 and 6.

Ascend through aspens pines, and burned timber.

26.00 Ridge 800 ft. high bears. N. W. and S. E.

Leave burned timber.

Descend through dense pines and fallen timber.

32.00 Enter burned timber

Difference bet. measurements of 40.00 chs. by two sets of chainmen is 10 lks.

By 1st set, 39.95 chs.

By 2nd set 40.05 chs. the mean of which is

40.00 Set a sandstone 18 X 12 X 8 ins., 12 ins. in the ground for ¼ sec. cor.; marked

Chains ¼ on W. face; from which,
A pine 10 ins. diam., bears S. 20° W. 24 lks. dist., marked ¼ S. 1 B.T.
A burned pine 12 ins. diam. bears N. 54° E. 20 lks. dist., marked ¼ S. 6 B.T.
Continue descent through burned and green pines:
The difference bet. measurements of 80.00 chs. by two sets of chainmen, is 114 lks.; position of middle point
By 1st set, 80.07 chs.
By 2nd set, 79.93 chs.; the mean of which is
80.00 Set a sandstone 16 x 10 x 6 ins., 11 ins. in the ground for cor. to Tps. 2 and 3 N. Rgs. 4 and 5 W., marked with 6 notches on N. S. E. and W. edges; and 3 N. on N. E., 4 W. on S. E., 2 N. on S. W., and 5 W. on N. W. faces, from which
A pine 6 ins. diam., bears N. 32° W. 4 lks. dist., marked T. 3 N. R. 5 W. S. 36 B.T.
A pine 8 ins. diam., bears N. 58° E. 8 lks. dist., marked T. 3 N. R. 4 W. S. 31 B.T.
A pine 10 ins. diam., bears S. 44° E. 10 lks. dist., marked T. 2 N. R. 4 W. S. 6 B.T.
A pine 8 ins. diam., bears S. 76° W. 2 lks. dist., marked T. 2 N. R. 5 W. S. 1 B.T.
Land, mountainous
Soil, sandy and rocky, 3rd and 4th rate.
Timber, pine and aspen.
Mountainous and heavy timbered land 80.00 chs.

First Guide Meridian West, through Tps. 2 N., bet. Rs. 4.

Claim

August 8, 1903.

General description.
For notes of general description see notes of the survey of "Subdivisions of T. 2 N., R. 4 W."

James C. Dick
US Dep. Surveyor

Volume
#
R0309

...st Guide Meridian, through Tps. 3 N., bet. Rs. 4 and 5 E.

Chains

I have commenced August 30, 1903 and operated with a Buff and Berger transit No. 2323 the horizontal limb being provided with two opposite verniers reading to single minutes of arc.

At the cor. of Tps. 2 and 3 N., Rs. 4 and 5 E. in approximate latitude 40°36'46" N. longitude 110°24'46" W. at 8h 57m p.m. l.m.t. I observe Polaris at eastern elongation, in accordance with the instructions in the Manual and mark the line thus determined, by a tack driven in a wooden peg set in the ground 5.10 ch. N. of my station.

August 31, 1903: At 6 a.m. I turn off the azimuth of Polaris 1°36'.0 to the west, and mark the point thus determined by cutting a mark on a stone firmly set in the ground west of the mark established last night; the magnetic bearing of said true meridian is N. 16°43' W. which gives the magnetic declination 16°43' E.

From the Tp. cor. I run N. bet. secs. 31 and 36.

Steep descent through dense pines

12.20 Creek 3 lks. wide 3 ins. deep, course N. E.

14.90 Bank in ravine 75 ft. deep dir. E.

Ascend.

21.10 Spur 50 ft. high projects E.

First Guide Meridian West, through Tps. 32 N. Rs. 4 and 5

Chains	
	Steep descent.
23.50	Creek 3 lks. wide, 4 ins. deep course E.
	Ascend
26.50	Spur 60 ft. high projects E.
	Descend.
	Difference bet. measurements of 40.00 chs. by two sets of chainmen is 14 lks.; position of middle point,
	By 1st set 40.07 chs.
	By 2nd set 39.93 chs.; the mean of which is
40.00	Set a sandstone 16 X 12 X 4 ins.; 12 ins. in the ground for 1/4 sec. cor. marked 1/4 on N. face; and raised a mound of stone 2 ft. base 1½ ft. high W. of cor.
	Pits impracticable.
	Trees, pine and aspen, too small for bearing objects, being merely saplings.
49.60	Enter creek bottom of East fork of Lake Fork, and dense willows and pines bro. N. W. and S. E.
56.55	East Fork of Lake Fork 35 lks. wide 1 ft. deep course S. E.
56.90	Leave East Fork of Lake Fork.
74.10	Leave creek bottom and begin steep ascent through pines and aspens.
	The difference bet. measurements of 80.00 chs. by two sets of chainmen is 10 lks., the position of middle point
	By 1st set, 79.95 chs.
	By 2nd set 80.05 chs., the mean of which is
80.00	Set a sandstone 24 X 16 X 16 ins.

t Guide Meridian West, through Tps. 3 N., bet. Rs. 4 and 56

Chains 18 ins. in the ground for cor. of secs. 25, 30, 31, and 36, marked with 1 notch on S. and 5 notches on N. edge; from which,

A pine 5 ins. diam., bears N. 16°E. 23 lks. dist. marked T. 3 N. R. 4 W. S. 30 B.T.

A pine 8 ins. diam., bears N. 50°W. 15 lks. dist. marked T. 3 N. R. 5 W. S. 25 B.T.

A pine 6 ins. diam., bears S. 28°W. 29 lks. dist., marked T. 3 N. R. 5 W. S. 36 B.T.

A pine 8 ins. diam., bears S. 68°E. 24 lks. dist. marked T. 3 N. R. 4 W. S. 31 B.T.

Land, level and mountainous.

Soil, sandy loam and rocky; 1" and 4" rate.

Timber pines, aspen, willows.

Mountainous land 55.60 chs.

Heavy and dense timber 80.00 chs.

August 31, 1903

Sept 1:

N. bet. secs. 25 and 30.

Very steep ascent through pines and aspens up rocky slope.

Difference bet. measurements of 40.00 chs. by two sets of chainmen is 20 lks.; position of middle point.

By 1" set, 39.90 chs.

By 2" set, 40.10 chs.; the mean of which is

40.00 Point for ¼ sec. cor. falls on rock in place 4 X 4 X 2 ft. above ground, on which

Cut a cross (X) at the corner

First Guide Meridian West, through Tps. 3 N., Rge Rs. 4

Chains	
	point for 1/4 sec. cor. marked 1/4 on N. side of cross; from which
	a pine 12 ins. diam., bears N. 60° 30' W. 53 lks. dist., marked 1/4 S. 25 B.T.
	a pine 14 ins. diam., bears N. 18° 30' E., 50 lks. dist., marked 1/4 S. 30 B.T.
	Continue steep ascent.
54.00	Ascent more-gradual
	Difference between measurements of two sets of chainmen in 80.00 chs., in 18 lks., position of middle point,
	By 1st set, 80.09 chs.
	By 2nd set, 79.91 chs., the mean of which is
80.00	Set a sandstone 24 x 14 x 4 ins., 18 ins. in mound of stone for cor. of secs. 19, 24, 25, and 30, marked with 2 notches on S. and 4 notches on N. edge; from which,
	a pine 6 ins. diam., bears N. 45° 30' W., 48 lks. dist., marked T 3 N. R. 5 W. S. 24 B.T.
	a pine 6 ins. diam., bears N. 30° E. 54 lks. dist., marked T 3 N. R. 4 W. S. 19 B.T.
	a pine 6 ins. diam., bears S. 35° W. 37 lks. dist., marked T. 3 N. R. 5 W. S. 25 B.T.
	a pine 10 ins. diam., bears S. 14° 30' E. 43 lks. dist., marked T. 3 N. R. 4 W. S. 30 B.T.
	Ground rocky, compelled to set corner in rocks.
	Land, mountainous.
	Soil, rocky, 4" rate.
	Timber, pine and aspen.

Guide Meridian West, through Twps. 32 N., bet. Rs. 4 and 5 W.

Chains	
	Mountainous and heavy timbered land 80.00 chs.
	North bet. secs. 19 and 24. Ascend through pines and fallen timber, over rocks.
36.00	Leave timber brs. E. and W. Difference bet. measurements of 40.00 chs. by two sets of chainmen, in 1/2 lks.; position of middle point. By 1st set, 39.94 chs. By 2nd set, 40.06 chs., the mean of which is
40.00	Set a sandstone 24 X 12 X 12 ins. 18 ins. in the ground for 1/4 sec. cor., marked 1/4 on W. face, and raised a mound of stone 2 ft. base 1 1/2 ft. high W. of cor. Pits impracticable. Continue ascent over rocks and boulders. Difference bet. measurements of 80.00 chs. by two sets of chainmen, in 1/2 lks., position of middle point. By 1st set, 80.06 chs. By 2nd set 79.94 chs., the mean of which is
80.00	Set a sandstone 24 X 12 X 12 ins., 18 ins. in mound of stones, for cor. of secs. 13, 18, 19 and 24, marked with 3 notches on N. and S. edge; raised a mound of stone 2 ft. base 1 1/2 ft. high W. of cor.

First Guide Meridian East, through Tps. 3 N., bet. Rs. 4

Chains	
	Pits impracticable.
	Ground so rocky, it was necessary to put cor. in mound of rocks.
	Land, mountainous.
	Soil, rocky; 4" rate.
	Timber, pine on 36.00 chs.
	Mountainous land 40.00 chs.
	Sept. 1, 1903.

	Sept. 2, 1903.
	North bet. secs. 13 and 14.
	Ascend over rocks and boulders.
22.57	U.S. Geological monument showing elevation of 11615 ft. 19.5 lks. S. of line.
	Summit of ridge 3500 ft. above East Fork of Lake Fork, bns. N. of W. and S. of E.
	Descend.
	Difference bet. measurements of 40.00 chs. by two sets of chainmen, for 10 lks., position of middle point
	By 1st set 40.05 chs.
	By 2nd set 39.95 chs., the mean of which is
40.00	Set a sandstone 28 X 20 X 10 ins. 21 ins. in mound of stones for 1/4 sec. cor. marked 1/4 on W. face, and raised a mound of stone 2 ft. base 1 1/2 ft. high W. of cor.
	Pits impracticable.
	Ground so rocky, it was necessary to put cor. in mound of rocks.
	Continue descent over rocks.

...st Guide Meridian West, through Tps. 3 N. bet. Rs. 4 and 5

Chains	
50.50	Wide Gulch 700 ft. deep drs. S.E.
	Enter pines bes. N.W. and S.E.
	Across gulch, ascending.
65.00	Leave gulch and timber bes. N.W. and S.E.
	Ascend over rocks and boulders.
	The difference bet. measurements of 80.00 chs. by two sets of chainmen, is 16 lks., the position of middle point
	By 1" set 80.08 chs.
	By 2" set 79.92 chs., the mean of which is
80.00	Set a sandstone 24 X 20 X 8 ins. 18 ins. in mound of stones for cor. of secs. 7, 12, 13 and 18, marked with 4 notches on S. and 2 notches on N. edge; and raised a mound of stone 2 ft. base 1½ ft. high W. of cor.
	Pits impracticable.
	Ground so rocky, it was necessary to set cor. in mound of stones.
	Land, mountainous.
	Soil, rocky; 4" rate
	Timber, pine.
	Mountainous land 80.00 chs.
	Heavy timber 14.50 chs.

North bet. secs. 7 and 12.
Ascend over rocks and boulders.
The difference bet. measurements of 40.00 chs. by two sets of chainmen, is 16 lks.

Chains the position of middle point
By 1" set 40.08 chs.
By 2" set 39.92 chs. the
mean of which is

40.00 Set a sandstone 12 x 10 x 5 ins, 8"
in mound of stones for
1/4 sec. cor, marked 1/4 on W.
face; raise a mound of
stones 2 ft. base 1 1/2 ft. high
W. of cor.
Pits impracticable.
The difference bet. measure-
ments of 80.00 chs. by two
sets of chainmen is 20
lks. the position of middle point
By 1" set 80.10 chs.
By 2" set 79.90 chs. the mean
of which is

80.00 Set a sandstone 18 x 12 x 6 ins 12"
in mound of stones for cor.
of secs. 1, 6, 7 and 12, marked
with 5 notches on S and 1
notch on N edge; and
raise a mound of stones
2 ft. base 1 1/2 ft high W. of cor.
Pits impracticable
Land, mountainous.
Soil, rocky; 4" rate
No timber.
Mountainous land 80.00 chs.
Sept. 2, 1913.

Sept 3:
North bet. secs. 1 and 6.
Ascend over rocks and
boulders.
The difference bet. measure-
ments of 40.00 chs. by two sets
of chainmen is 22 lks, po-
sition of middle point
By 1st set, 40.11 chs.,
By 2nd set, 39.89 chs. the

st Guide Meridian West, through Tp. 3 N., bet R's 4 and 5 W.

Chains mean of which is

40.00 Set a sandstone 18 x 8 x 8 ins., 12" in mound of stones for 1/4 sec. cor., marked 1/4 on W. face, and raise a mound of stones 2 ft. base 1 1/2 ft. high W. of cor.

Ridge bes. N and S. E.

Along top of ridge

The difference bet. measurements of 80 chs. by two sets of chainmen is 10 lks., the position of middle point,

By 1st set 80.05 chs.

By 2nd set 79.95 chs., the mean of which is

80.00 The point for cor. of Tps. 3 and 4 N. R's 4 and 5 W., which I cannot set as it falls on rocky ledge, so I retrace my line south along top of ridge 4 chains

The difference bet. measurements of 4 chains by two sets of chainmen is 4 lks., position of middle point,

By 1st set 4.02 chs.

By 2nd set 3.98 chs., the mean of which is 4 chs. or

76.00 Set a sandstone 12 x 8 x 8 ins., 8 ins. in the ground for W.C. of Tps. 3 and 4 N. R's. 4 and 5 W. marked with 6 notches on N., S. E., and W. edge, and W.C. on N. E. face, and raised a mound of stones 2 ft. base 1 1/2 ft. high S. of cor. Pits impracticable

Land mountainous.

Soil rocky; 4" rate.

No timber.

Mountainous land 80.00 chs.

Sept. 3, 1903

General Description."
For general description see notes of survey of Subdivisions T3N R4W.

James C. Dick
U.S. Dep. Surveyor

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

James C. Dick
U.S. Dep. Surveyor

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FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by James C. Dick United States Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the survey of the First Guide Meridian West of the Uintah Special Base and Meridian Utah showing the respective capacities in which they acted:

Hugh H. Bader, J. Ray Carson, Chainman.
Robt. V. Orbison, Franklin M. Benton, Chainman.
Will Castleton, Moundman.
..., Moundman.
John Davis, Axman.
Moroni Nielsen, Axman.
Joseph Harrison, Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted James C. Dick United States Deputy Surveyor, in surveying all the lines or portions of the First Guide Meridian West through Tps. 2 and 3 N of the Uintah Special Base and meridian Utah 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

Hugh H. Bader, J. Ray Carson, Chainman.
Robt. V. Orbison, Franklin M. Benton, Chainman.
Will Castleton, Moundman.
..., Moundman.
John Davis, Axman.
Moroni Nielsen, Axman.
Joseph Harrison, Flagman.

Subscribed and sworn to before me this 30th day of November, 1890.

SEAL

James C. Dick
US Dep Surveyor

6-151

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, James C. Dick United States Deputy Surveyor, d solemnly swear that, in pursuance of a contract received from Edward H. Anderson United States Surveyor General for The District of Utah, bearing date of t 23rd day of July 1903, 189 , I have well, faithfully, and truly, in my o proper person, and in strict conformity with the instructions furnished by the United States Survey General for The District of Utah, the Manual of Surveying Instructions, and the laws of t United States, surveyed all those parts or portions of the First Guide Meridian West through Township 2 & 3 North between Ranges 4 & 5 West

of the Uintah Special Base and meridian, in the State of Utah, which are represented in t foregoing field notes as having been surveyed by me, and under my direction; and I do further 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 The District of Utah and in the specific manner described in the field notes, and th the foregoing are the original field notes of such survey; and should any fraud be detected, I will suff the penalty of perjury under the provisions of an Act of Congress approved August 8, 1846.

James C. Dick
United States Deputy Surveyo

Subscribed by said James C. Dick, and sworn to before me this 23rd day of February 1904.

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

SEAL

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL.

Salt Lake City Utah June 30, 1904

The foregoing field notes of the survey of the First Guide Meridian West through Townships 2 & 3 North between Ranges 4 & 5 West of the Uintah Special Base & Meridian Utah

executed by James C. Dick & Austin N. Tiernan under the contract No. 272, dated July 23, 1903, 189 , having be critically examined, and the necessary corrections and explanations made, the said field notes, and t surveys they describe, are hereby approved.

Edward H. Anderso
United States Surveyor Gener

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

United States Surveyor Gene

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BOOK A-309

FILED
FEB 23 1904

L.H.

FIELD NOTES

OF THE SURVEY OF THE

North Boundary of
Township 2 N. R. 4 W.

Of the Uintah Special Base and Meridian,
Utah

AS SURVEYED BY

James C. Dick and Austin K. Tierman, United States Deputy Surveyors,

Under ~~his~~ their Contract No. 272, dated July 22 — 1903, ~~189~~

Survey commenced September 4 1903, ~~189~~

Survey completed September 7 1903, ~~189~~

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Mgt. 5.79.75

BOOK A-309

NAMES AND DUTIES OF ASSISTANTS.

H. H. Bader	Chainman
Robt. V. Orbison	Chainman
Will Castleton	Moundman
John Davis	Axman
Francis M. Benton	Axman
Joseph Harrison	Flagman

BOOK A-309

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PRELIMINARY OATHS OF ASSISTANTS.

WE, H H Bader and Robt. V. Orbison do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain over even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of the N. Bdy's of Ts 2 and 3 N. R. 4 W. Uintah Special B and Meridian, Utah

H. H. Bader, Chainman.

Robt. Orbison, Chainman.

Subscribed and sworn to before me this 26th day of August, 1903

SEAL

James C Dick
US Dep Surveyor

~~WE~~ I, Will Castleton ~~and~~ do solemnly swear that ~~we~~ I will well and truly perform the duties of moundman in the establishment of corners, according to the instructions given ~~us~~ me, to the best of ~~our~~ my skill and ability, in the survey of the N. Bdy's of Ts 2 and 3 N. R. 4 W. Uintah Special B and Meridian, Utah

Will Castleton, Moundman.

, Moundman.

Subscribed and sworn to before me this 26th day of August, 1903

SEAL

James C Dick
US Dep Surveyor

WE, John Davis and Francis M. B[illegible] do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey of the N. Bdy's of Ts 2 and 3 N. R. 4 W. Uintah Sp. Base and Meridian, Utah

John Davis, Axman

Francis M Benton, Axman

Subscribed and sworn to before me this 26th day of August, 1903

SEAL

James C Dick
US Dep Surveyor

I, Joseph Harrison, do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of the N. Bdy's of Ts 2 and 3 N. R. 4 W. Uintah Sp. Base and Meridian, Utah

Joseph Harrison, Flagman

Subscribed and sworn to before me this 26th day of August, 1903

SEAL

James C Dick
US Dep Surveyor

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North Bdy. T. 2 N. R. 4 W.

Lines

Survey commenced September 4, 1903, and executed with a Buff and Berger transit No. 2323 for further description of which see notes of Resurvey of S. Bdy. of this township in Book "A".

I begin at the cor. of Tps. 2 and 3 N. Rgs. 3 and 4 W., which is a quartzite stone 12 X 10 X 5 ins. above ground, firmly set, marked and witnessed as described by H. C. Freudenthal Contract #268, in approximate latitude 40°36'46" N., longitude 110°17'57" W.

At 8h 37m a.m. I observe Polaris at eastern elongation in accordance with the instructions in the manual, and mark the point thus determined by a tack driven in a wooden peg set firmly in the ground 8 chs. N. of cor.

September 4, 1903.

September 5, 1903; at 6h 30m a.m. I lay off the azimuth of Polaris 1°35.5' to the west and mark the meridian thus determined by a cross on a stone, firmly set, in the ground west of the point established last night.

The magnetic bearing of the true meridian is N. 16°35' W. which gives the magnetic declination 16°35' E.

From the township corner I turn off an angle of 90° from north to west and run West on a random line along N. bdy of Tp. setting

North Bdy. T 2 N. R. 4 W.

Chain	Temp. ¼ sec. and sec. cors. at intervals of 40.00 chs.; and at 479.75 chs. intersect the west bdy. of Tp. 2.00 chs. N. of cor. of Tps. 2 and 3 N. Rgs. 4 and 5 W. heretofore described; the falling measures a correction of 0'14", or 33⅓ lks. S. per mile counting from the N. E. cor. of the Tp.
	Therefore Run N. 89°46' E. on a true line bet. secs. 6 and 31.
	Through burned pines, aspen and
	Descend along N. side of high ridge brs. N. W. and S. E.
39.75	Set a sandstone 14 X 7 X 6 ins. 9 ins. in the ground for ¼ sec. cor. marked ¼ on N. face; from which
	An aspen 6 ins. diam., brs. N. 12° E. 39 lks. dist., marked ¼ S. 31 B. T.
	An aspen 5 ins. diam., brs. S. 61° W. 16 lks. dist., marked ¼ S. 6 B. T.
	Cor. situated in ravine brs. N.
	Continue descent.
63.00	Enter green pines brs. N and S.
72.00	Ravine 60 ft. deep brs. N.
	Steep ascent.
75.00	Top of ascent.
	Continue to descend along N. side of ridge.
79.75	Set a sandstone 16 X 8 X 8 ins. 11 ins. in the ground for cor. to secs. 5, 6, 31, and 32 marked with 1 notch on W. and 5 notches on east edge.

N. Bdy. Tp. 2 N. R. 4 W.

Claims from which,
A pine 5 ins. diam. brs. N 5° W. 18 lks. dist, marked, T. 3 N. R. 4 W. S. 31 B.T.
A pine 4 ins. diam, brs. N. 60° E. 24 lks. dist, marked T. 3 N. R. 4 W. S 32 B.T.
A pine 5 ins. diam, brs. S. 33° E. 11 lks. dist, marked T 2 N. R. 4 W. S. 5 B.T.
A pine 8 ins. diam, brs. S. 50° W. 27 lks. dist marked T 2 N. R. 4 W. S. 6 B.T.
Land, mountainous.
Soil, sandy and rocky; 3" and 4" rate.
Timber, pine and aspen.
Mountainous and heavy timbered land 79.75 chs.
September 5, 1903.

September 6, 1903.
N. 89° 46' E. on a true line bet. secs. 5 and 32
39.20 Descending through heavy timber
pring branch 2 lks wide, 3 ins. deep, course N. E.
40.00 Set a sandstone 15 x 7 x 5 ins, 10 ins, in the ground for ¼ sec. cor. marked ¼ on N. face, from which
A burned pine 6 ins. diam, brs. N. 68° E. 20 lks. dist, marked ¼ S. 32 B.T.
A burned pine 4 ins. diam, brs. S. 10° W. 35 lks. dist, marked ¼ S. 5 B.T.
Continue descent along N. slope of ridge
63.00 Leave pine timber, green and burned, brs. N. W. and S. E.

N. Bdy. Tp. 2 N. R. 4 W.

Chains	Enter creek bottom of East Fork of Lake Fork, and willows and small pines and aspens, bra N. W. and S. E.
72.00	Next bank East fork Lake Fork 1 ft. deep, course S. E.
72.50	East bank East fork Lake Fork. Enter dense willows.
80.00	Set a sandstone 14 X 13 X 7 ins. 12 ins. in the ground for cor to secs. 4, 5, 32 and 33; marked with 2 notches on N. and 4 notches on E. edge; and raised a mound of stone 2 ft. base 1½ ft. high N. of cor. Pits impracticable. Land, mountainous and level. Soil, sandy and rocky; 2" and 3" rated. Timber, pines, aspens, and willows. Mountainous land 63.00 chs. Heavy timber and dense willows 80.00 chs.

N. 89° 46' E. on a true line bet. secs. 4 and 33. Through dense willows.

4.00	Leave creek bottom and willows bears N. W. and S. E. Ascend.
32.00	Spur 250 ft. high bra. S. W. Steep descent through dense pines.
40.00	Set a sandstone 12 X 7 X 6 ins., 5 ins. in the ground for ¼ sec. cor. marked ¼ on N. face; from which,

N. Bdy. Tp. 2 N. R. 4 W.

Chains

a pine 7 in. diam., bears S. 26° E. 14 lks. dist., marked 1/4 S. 4 B.T.

a pine 6 in. diam., bears N. 26 lks. dist., marked 1/4 S. 33 B.T.

Continue descent.

41.35 W. bank of creek 1 ft. deep course S. W.

41.85 East bank of creek.

Steep ascent.

52.50 Spring branch 2 lks. wide, 2 ins. deep, course S. W.

74.00 Leave pine and aspen brs. N. E. and S. W.

80.00 Set a limestone 24 x 8 x 6 ins. 18 ins. in the ground for cor. to secs. 3, 4, 33 and 34, marked with 3 notches on E. and W. edges; and raised a mound of stone 2 ft. base 1 1/2 ft. high W. of cor.

Pits impracticable.

Corner situated 1.50 ch. W. of rocky ledge 80 ft. high.

Land level and mountainous.

Soil, sandy and rocky, 1st and 4th rate.

Timber, pine and aspen.

Mountainous land 76. 00 ch.

Heavy timber on dense undergrowth 46. 00 ch.

N. 89° 46' E. on true line bet. secs. 3 and 34.

Ascend over rocks.

1.50 Ascend over rocky ledge 80 ft. high.

N. Bdy. Tp. 2 N. R. 4 W.

Chains	
2.00	Top of ledge brs. N. and S.
	Ascend through pine and aspens brs. N. and S.
20.00	Ridge 1500 ft. high brs. N. and S.
	Descend.
40.00	Set a sandstone 12 X 4 X 6 ins., 9 ins. in the ground, for 1/4 sec. cor. marked 1/4 on N. face; from which,
	A pine 9 ins. diam. brs. N. 26° E. 31 lks. dist., marked 1/4 S. 34 B.T.
	A pine 7 ins. diam., brs. S. 74° W. 19 lks. dist., marked 1/4 S. 3 B.T.
42.50	Ravine 100 ft. deep brs. S. E.
	Ascend.
48.00	Top of ascent of 100 ft., brs. N. W. and S. E.
	Descend.
54.00	Ravine 60 ft. deep brs. S. E.
	Abrupt descent.
72.00	Top of ascent brs. N. W. and S. E.
	Abrupt descent.
80.00	Set a sandstone 16 X 12 X 6 ins., 11 ins. in the ground for cor. of secs. 2, 3, 34 and 35, marked with 4 notches on W., and 2 notches on E. edge; from which,
	An aspen 3 ins. diam., bears N. 16° W. 15 lks. dist. marked T. 3 N. R. 4 W. S. 34 B.T.
	A pine 6 ins. diam., bears S. 65° E. 82 lks. dist. marked T. 2 N. R. 4 W. S. 2 B.T.
	A pine 10 ins. diam., bears S. 26° W. 26 lks. dist. marked

N. Bdy. Tp. 2 N. R. 4 W.

Chains

T. 2 N. R. 4 S. 3 B.T.
A pine 5 ins. diam. bears N. 85° E. 50 lks. dist., marked T 3 N R 4 W. S. 35 B.T.
Land, mountainous.
Soil, rocky; 8" and 4" rate.
Timber, pine and aspen.
Mountainous land 80. rods
Heavy timber 78.00 chs.
September 6, 1903.

September 7, 1903.
N. 89° 46' E. on true line bet. secs. 2 and 35
Steep descent through pines and aspens.
4.00 Gulch 500 lks. deep, trs. S. E.
Ascend through dense aspens, fallen timber, and scattering pines.
31.00 Enter dense pines and scattering aspens.
40.00 Set a sandstone 12 X 9 X 6 ins. 8 ins. in the ground for 1/4 sec. cor. marked 1/4 on N. face; from which
A pine 10 ins. diam., bears N. 26° W. 13 lks. dist., marked 1/4 S. 35 B.T.
A pine 12 ins. diam., bears S. 76° E. 29 lks. dist., marked 1/4 S. 2 B.T.
Continue ascent along S. slope of high ridge trs. E. and W.
80.00 Set a sandstone 20 X 12 X 5 ins., 15 ins. in the ground for cor. of secs. 1, 2, 35 and 36, marked with 5 notches on W., and 1 notch on E. edge; from which

N. Bdy. Tp. 2 N. R. 4 W.

Chains	a pine 8 in. diam., bears N. 76° W. 29 lks. dist., marked T. 3 N. R. 4 W. S. 35 B.T.
	a pine 8 in. diam., bears N. 55° E. 38 lks. dist., marked T. 3 N. R. 4 W. S. 36 B.T.
	a pine 10 in. diam., bears S. 55° E. 17 lks. dist., marked T. 2 N. R. 4 W. S. 1 B.T.
	a pine 8 in. diam., bears S. 71° W. 80 lks. dist., marked T 2 N. R. 4 W. S. 2 B.T.
	Land, mountainous. Soil, sandy and rocky; 4th rate. Timber pine and aspen. Mountainous and heavy timbered landworks.
	N. 89° 46 E. on a true line bet. sec. 1 and 36.
	Along S. slope of high ridge bg. E and W., and through heavy pine timber
40.00	Set a sandstone 18 X 18 X 6 in. 12 in. in the ground for 1/4 sec. cor., marked 1/4 on N. face; from which
	a pine 12 in. diam., bears S. 4° W. 60 lks. dist., marked 1/4 S. 1 B.T.
	a pine 12 in. diam., bears N. 29° W. 55 lks. dist., marked 1/4 S. 36 B.T.
	Ridge 70 ft. high bs. N. and S. Steep descent through dense pines and aspens.
80.00	The cor. of Tps. 2 and 3 N. Rgs. 3 and 4 W.

N. Bdy. Tp. 2 N. R. 4 W.

Chains | Land, mountainous.
Soil, rocky and sandy; 4" rate.
Timber, pine and aspen.
Mountainous and heavy timbered land S. W. ch.

Sept. 7, 1903.

General Description.
For general description see notes of the survey of the "Subdivisions of T. 2 N. R. 4 W."

James C Dick
U.S. Dep Surveyor

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

James C Dick
U.S. Dep Surveyor

Boundaries of T. 2 N. R. 4 W.

Line Designated	True Bearing	Distance chs.	Latitudes N. chs.	Latitudes S. chs.	Departures E. chs.	Departures W. chs.
N. Bdy. of T. 1 N. R. 4 W.	S. 89°57' W.	480.71		0.42		480.71
First Guide Meridian West	North	485.10	485.10			
N. Bdy. of T. 2 N. R. 4 W.	N. 89°46' E.	479.75	1.95		479.74	
W. Bdy. of T. 2 N. R. 3 W.	South	484.60		484.60		
Convergency					0.62	
			487.05	485.02	480.36	480.71
Totals			485.02			480.3
Error in lat. and dep.			2.03			.3

BOOK A-309

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, a marking the lines and corners described in the foregoing field notes of the survey of ..... showing the respective capacities in which they acted:

....., *Chainman.*

....., *Chainman.*

....., *Moundman.*

For final affidavits see book G. F. 3 N R 4 W, *Moundman.*

....., *Axman.*

....., *Axman.*

....., *Flagman.*

FINAL OATH OF ASSISTANTS.

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

....., *Chainman.*

....., *Chainman.*

....., *Moundman.*

For final affidavits see book G. F. 3 N R 4 W, *Moundman.*

....., *Axman.*

....., *Axman.*

....., *Flagman.*

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

SEAL

6—151

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

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

Fr. final affidavits see book G. Tp 2 N R 4 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 ....., 189

SEAL

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City Utah, June 30-1904,

The foregoing field notes of the survey of the North Boundary of Township 2 North Range 4 West of the Utah Special Base & Meridian Utah

executed by James C. Dick and Austin K. Tiernan under this contract No. 272, 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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BOOK A-309

FIELD NOTES

OF THE SURVEY OF THE

Subdivisions of
T. 2 N. R. 4 W.

of the Uintah Special Base and Meridian,
Utah

AS SURVEYED BY

James C. Dick and Austin K. Tiernan, United States Deputy Surveyors

under his Contract No. 272, dated July 22, 1903, ~~189~~

Survey commenced September 7, 1903, ~~189~~

Survey completed October 9, 1903, ~~189~~

Sagebrush 60 11.22 ✓
Cedar 15.40 ✓
Clay 1-15 ✓

BOOK A-309

NAMES AND DUTIES OF ASSISTANTS.

H H Bader	Chainman
Robt. V. Orbison	Chainman
Will Castleton	Mound
John Davis	Axman
Francis M. Benton	Axe
Joseph Harrison	Flagman

6—151

BOOK A-309

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Meanders Page

6—151

PRELIMINARY OATHS OF ASSISTANTS.

WE, H. H. Bader and Robt. V. Orb

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

H. H. Bader, Chainm.

Robt. Orbison, Chainm.

Subscribed and sworn to before me this 26th day of August, 1903

SEAL

James C. Dick
U.S. Dep. Surveyor

~~WE~~ I, Will Castleton ~~and~~

do solemnly swear that ~~we~~ I will well and truly perform the duties of moundman in the establishm of corners, according to the instructions given ~~us~~ me, to the best of ~~our~~ my skill and ability, in the survey the Subdivisions of T. 2 and 3 N. R. 4 W., Uintah Special Base and M. Utah

Will Castleton, Moundm

, Moundm

Subscribed and sworn to before me this 26th day of August, 1903

SEAL

James C. Dick
U.S. Dep. Surveyor

WE, John Davis and Francis M. Benton

do solemnly swear that we will well and truly perform the duties of axmen in the establishment of cor and other duties, according to instructions given us, to the best of our skill and ability, in the survey the Subdivisions of T. 2 and 3 N. R. 4 W., Uintah Special Base Utah

John Davis, Axm

Francis M. Benton, Ax

Subscribed and sworn to before me this 26th day of August, 1903

SEAL

James C. Dick
U.S. Dep. Surveyor

I, Joseph Harrison, do solemnly swear that I will well and perform the duties of flagman according to instructions given me, to the best of my skill and ability, in survey of the Subdivisions of T. 2 and 3 N. R. 4 W., Uintah Special Base Utah

Joseph Harrison, Flag.

Subscribed and sworn to before me this 26th day of August, 1903

SEAL

James C. Dick
U.S. Dep. Surveyor

6—151

Subdivisions T. 2 N. R. 4 W.

Survey commenced September 7, 1903, and executed with a Buff & Berger transit, No. 2323, the horizontal limb being provided with two opposite verniers reading to single minutes of arc. For the description of which see the notes of resurvey of the south boundary of this township in Book "A".

At the corner of secs. 25, 30, 31, and 36, township 2 north, ranges 3 and 4 West, which is a quartzite stone 12 x 10 x 6 ins, above ground marked and witnessed as described by Dep. H. E. Freudenthal, Contract #368 latitude 40°32'25" N., longitude 110°17'57" W., at 8h 25' 6m p.m. L.M.T. I observe Polaris at eastern elongation in accordance with the instructions in the Manual, and mark the line thus determined by a tack driven in a wooden peg set in the ground five chains north of my station.

September 7, 1903.

September 8, 1903; at 7 a.m. I lay off the azimuth of Polaris 1°35.5' to the west and mark the true meridian thus determined by a cross on a rock firmly set in the ground west of the point established last night; the magnetic bearing of said true meridian

Subdivisions T. 2 N. R. 4 W.

Chains	
	in N 16°34' W., which gives the magnetic declination 16°34' E
	The south boundary being out of limit in alignment and measurement, therefore in accordance with my special instructions, I run
	West on a sectional correction line bet. secs. 25 and 36.
	Over rolling hills.
	Through dense pines and aspens.
36.00	Leave dense pines and aspens bearing N. and S.
	Enter open flat of dense sagebrush.
40.00	Set a sandstone 14 X 8 X 10 ins. 10 ins. in the ground for 1/4 sec. cor. marked 1/4 on N. face; raised a mound of stones 2 ft. base 1 1/2 ft. high N. of cor.
	Pits impracticable.
43.00	Enter pines and aspens brs. N. E. and S. Ascend.
62.00	Steep ascent through buckbrush, aspens and scattering pines
69.50	Ridge 300 ft. high brs. N. and S. Descend
80.00	Set a sandstone 24 X 14 X 10 ins. 18 ins. in the ground for cor. to secs. 25, 26, 35, and 36 marked with 1 notch on E and 1 notch on S edges, from which
	a pine 18 ins. diam. brs. N 67°30' W 66 lks. dist., marked T. 2 N. R. 4 W. S. 26 B. T.
	a pine 4 ins. diam. brs. S 66°45' W. 45 lks. dist., marked T. 2 N. R. 4 W. S. 35 B. T.
	an aspen 5 ins. diam. brs. S. 86°30' E. 46 lks. dist., marked T. 2 N. R. 4 W. S. 36 B. T.

Subdivisions T. 2 N. R. 4 W.

Chains	
	A pine 7 ins. diam. brs. N. 63°45' E. 43 lks. dist., marked T. 2 N. R. 4 W. S. 25 B. T.
	Land, rolling and mountainous.
	Soil, rocky; 3" and 4" rate.
	Timber pines and aspens.
	Mountainous or densely timbered or land covered with dense under growth 80.00 chs.
	S. 0°1' E. on a random line bet. secs. 35 and 36.
40.00	Set temp ¼ sec. cor.
84.70	Intersect S. bdy. of Tp. 10 lks. N. 89°57' E. of cor. of secs. 1, 2, 35, and 36, heretofore described.
	Thence I run
	N. 0°3' E on a true line bet. secs. 35 and 36.
30.00	Spur 125 ft. high bears N. E. and S. W.
38.70	Foot of descent.
44.70	Set a sandstone 24 X 8 X 8 ins., 18 ins. in the ground for ¼ sec. cor. marked ¼ on W face; and raise mound of stones 2 ft base ½ ft high W. of cor.
	Pits impracticable.
47.00	Ascend steep slope
	Enter pines and dense bear brush, brs. N. E. and S. W.
50.60	Small ridge brs. N. E. and S. W.
54.45	Wash 100 ft deep drs. W.
71.60.	Ridge brs. N. E. and S. W.
84.70	The cor. to secs. 25, 26, 35, and 36.
	Land mountainous.
	Soil, rocky; 4" rate.
	Timber, pines and aspens. Bear brush.
	Mountainous or densely

Subdivisions T. 2 N. R. 4 W.

chains	timbered land 84.70 chs.
	Sept. 8, 1903.
	Sept. 9, 1903.
	West on a sectional correction line bet. secs. 26 and 35
	Descend gradually through aspens and scattering pines.
16.00	Foot of descent. Enter flat.
29.50	Ascend.
40.00	Ridge brs. N. E. and S. W.
	Set a sandstone 20 x 14 x 12 ins. 15 ins. in the ground for ¼ sec. cor. marked ¼ on N. face; raised a mound of stones 2 ft. base 1½ ft. high N. of cor.
	Pits impracticable.
	No suitable bearing trees within limit, being too small.
	Descend
45.00	Enter dense pines
60.00	Gulch 150 ft. deep brs. S. E.
62.00	Ridge brs. N. and S.
70.00	Enter flat bottom 175 ft. below ridge and leave pines brs. N. and S. Through dense sage brush.
80.00	Set a sandstone 22 x 14 x 10 ins., 17 ins. in the ground for cor. to secs. 26, 27, 34, and 35, marked with 1 notch on S. and 2 notches on E. edges; raised a mound of stones 2 ft. base 1½ ft. high W. of cor.
	Pits impracticable.
	Land level and mountainous.
	Soil, sandy and rocky; 3" and 4" rate.
	Timber pines and aspens.
	Mountainous or timbered land or land covered with dense undergrowth 80.00 chs.

Subdivision T. 2 N. R. 4 W.

Chains	
	S. 0°12' E. on a random line bet. secs. 34 and 35.
40.00	Set temp. 1/4 sec. cor.
54.43	Intersect S. bdy. of Tp. N. 89°57' E. 25 lks. from cor. to secs. 2, 3, 34 and 35, feet to one described.
	Thence from N. 0°19' E. on a true line bet. secs. 34 and 35.
	Descend through artemisia.
0.20	Foot of descent brs. N. E. and S. W.
4.33	Ascend
7.04	Top of spur brs. S. W.
	Enter a cottonwood grove brs. N. E. and S. W.
	Descend
10.43	Foot of descent.
	Leave grove brs. N. E. and S. W.
15.43	Spur projects S. W.
19.43	Enter dense aspen brs. N. E. and S. W.
21.43	Leave aspens brs. N. E. and S. W.
25.00	Spur projects W.
	Enter pines brs. N. E. and S. W.
27.00	Foot of spur.
	Leave pines and enter aspens brs. N. E. and S. W.
30.00	Leave aspens brs. N. E. and S. W.
	Along W. edge of aspen grove.
36.30	Ascend and enter pines brs. N. W. and S. E.
41.20	Spur projects N. W.
	Leave pines brs. N. W. and S. E.
43.80	Enter flat bottom & dense sagebrush.
44.43	Set a sandstone 14x12x4 ins., 12 ins. in the ground for 1/4 sec. cor. marked 1/4 on W. face, and raised a mound of stone 2 ft. base 1 1/2 ft. high W. of cor. Pits impracticable.

Subdivision T. 2 N. R. 4 W.

Chains	
	Along plat bottom.
63.75	Enter aspens brs. E. and W.
66.00	Leave aspens brs. E. and W
84.83	The cor. of secs. 26, 27, 34, and 35. Land level and mountainous. Soil sandy and rocky; 3" and 4" rate. Timber, pines and aspens. Mountainous dense undergrowth, or heavy timbered land, 84.83 chs.

Meet on sectional correction line bet. secs. 27 and 34.

5.00	Enter pines brs. N. and S. Ascend.
8.00	Spur brs. S.
14.75	Wash brs. S. E.
15.00	Leave pines and enter aspens brs. N. and S.
18.00	Leave aspens and enter pines brs. N. and S. Steep ascent.
20.00	Ridge brs. N. W. and S. E. Descend
23.70	Leave pines and enter aspens brs. N. and S.
37.00	Ascent steep.
40.00	Set a sandstone 26 X 12 X 12 in. 20 in. in the ground for 1/4 sec. cor. marked 1/4 on N. face, from which A pine 24 in. diam., brs. S. 4° 45' E. 74 lks. dist., marked 1/4 S. 34 B.T. A pine 4 in. diam. brs. N 54° 45' E. 65 lks. dist., marked 1/4 S. 27 B.T.
41.00	Top of high ridge brs. N. and S. Descend abruptly.
45.00	Ravine 100 ft. deep brs. N. W. along N. slope of spur
47.50	Spur brs. N. W. and S. E. Steep descent

Subdivision T. 2 N. R. 4 W.

Chains	
57.45	Steep draw, drs. N. W.
	Along N. W. slope of spur brs. N. E. and S. W.
76.00	Foot of steep slope.
	Leave dense aspens and pines brs. N. E. and S.
80.00	Set a sandstone 18 X 12 X 12 ins., 12 ins. in the ground for cor. of secs. 27, 28, 33 and 34 marked with 3 notches on E. and 1 notch on S. edges; and raised a mound of stones 2 ft. base, 1½ ft. high W. of cor.
	Pits impracticable.
	Land mountainous.
	Soil rocky and sandy; 3" and 4" rate.
	Timber, pine and aspen.
	Mountainous or heavy timbered land 80.00 ch.
	Sept. 9, 1903.

	Sept. 10, 1903.
	S 0° 2' E on a random line bet. secs. 33 and 34.
40.00	Set temp. ¼ sec. cor.
84.91	Intersect S. bdy. of Tp. N. 89° 57' E. 33 lks. from cor. to secs. 3, 4, 33 and 34, heretofore described.
	Thence I run
	N. 0° 12' E. on a true line bet. secs. 33 and 34.
	Ascend along W. slope of rocky ridge. Through dense under growth.
44.91	Set a sandstone 18 X 8 X 6 ins., 12 ins. in the ground for ¼ sec. cor. marked ¼ on W. face; and raised a mound of stones 2 ft. base 1½ ft. high W. of cor.
	Pits impracticable.
84.91.	The cor. to secs. 27, 28, 33 and 34.
	Land, mountainous.
	Soil rocky; 4" rate.
	No timber.
	Mountainous and land covered with dense under growth 84.91 chs.

Subdivisions T. 2 N. R. 4 W.

Chains	
	West on sectional correction line bet. secs. 27 and 33.
2.50	Enter creek bottom and dense willows bys. N. W. and S. E. Leave dense sagebrush
5.75	Creek, 8 lks. wide 6 in. deep, course S. W.
16.70	East bank East Fork Lake Fork course S.
17.25	West bank East Fork Lake Fork.
21.00	Leave creek bottom and dense willows bys. N. and S. Enter dense sagebrush.
34.00	Steep ascent up ravine, dec. E.
40.00	Set a sandstone 16 x 12 x 8 in., 12 in. in the ground for 1/4 sec. cor. marked 1/4 on N. face, raised a mound of stone 2 ft. base 1 1/2 ft. high N. of cor.
	Pits impracticable.
46.00	Head of ravine. Top of bench bys. N. and S.
54.00	Steep ascent up bench
56.50	Top of bench 75 ft. high bys. N. and S.
74.00	Steep ascent
76.50	Ridge bys. N. and S. Steep descent.
79.00	Gulch 70 ft. deep dec. S.
79.50	Steep ascent
80.00	Set a sandstone 16 x 14 x 12 in., 11 in. in the ground for cor. to secs. 27, 28, 32, and 33 marked with 4 notches on E. and 1 notch on S. edge; raised a mound of stone 2 ft. base 1 1/2 ft. high W. of cor.
	Pits impracticable.
	Land level and mountainous.
	Soil, sandy loam and rock; 1" and 4" rate.
	No timber.
	Mountainous land 61.50 ch.
	Dense willows or sagebrush 80.00 ch.
	Sept. 10, 1903

Sept. 11:

S 0°3' E on a random line bet. secs. 32 and 33.

40.00	Set temp. 1/4 sec. cor.
40.03	Intersect S. bdy. of Tp. N 89°57' E 53 lks. from cor. to secs. 4, 5, 32 and 33, previously described. I destroyed one marked on said cor. pertaining to secs. 32 and 33.

Subdivisions T. 2 N. R. 4 W.

Chains	
	and set a sandstone 16 X 12 X 10 ins., 11 ins. in the ground for closing cor. to secs. 32 and 33, marked with 4 grooves on E. and 2 grooves on W. face, and C. C. on N. face; and raised a mound of stone 2 ft. base 1½ ft. high N. of cor.
	Pits impracticable.
	Thence Irun
	N. 0°3' W. on a true line bet. secs. 32 and 33.
	Ascend over rocky ground along E. slope of bench through dense sage.
39.37	Steep descent of 60 ft. to gulch drs. S. E.
44.63	Set a sandstone 18 X 10 X 8 ins. 12 ins. in the ground for ¼ sec. cor. marked ¼ on W. face; and raised a mound of stone 2 ft. base 1½ ft. high W. of cor.
	Pits impracticable.
46.63	Enter aspens brs. N. W. and S. E.
50.10	Leave aspens brs. N. W. and S. E.
53.35	Steep ascent from gulch brs. N. W. and S. E.
58.00	Ridge 150 ft. high brs. N. W. and S. E.
	Along E. slope of ridge.
84.63	The cor. to secs. 28, 29, 32 and 33.
	Land, mountainous.
	Soil, rocky; 4" rate
	Timber, aspen.
	Mountainous land 84.63 chs.
	Dense timber or undergrowth 84.63 chs.

	W. on a sectional correction line bet. secs. 29 and 32.
	Ascend up rocky slope through dense sage.
8.00	Ridge 175 ft. high brs. N. E. and S. W.
	Descend.
14.00	Gulch 125 ft. deep, drs. S.
	Enter aspens and scattering pines brs. N. and S. Ascend.
20.50	Ridge brs. N. and S.
28.00	Gulch 150 ft. deep drs. N. E.
37.00	Spur 100 ft. high projects S. E.

Subdivisions T. 2 N. R. 4 W.

Chains	
38.50	Gulch dis. S.E.
40.00	Set a sandstone 16X14X14 ins. 11 ins. in the ground for ¼ sec. cor. marked ¼ on N. face; from which,
	a pine 30 ins. diam. brs. N. 1° W. 1.01 lks. dist, marked ¼ S. 29 B.T.
	a pine 4 ins. diam. brs. S. 10° 30' E. 79 lks. dist, marked ¼ S. 32 B.T.
	Leave aspen and pine brs. N.W. and S.E. and ascend through tall dense bear brush.
57.50	Spur 450 ft. high projects S.E.
	Enter pines brs. N.W. and S.E.
64.00	Head of gulch 200 ft. deep dis. S.E.
74.50	Ridge 350 ft. high brs. N. and S.
	Descend.
80.00	Set a sandstone 16X14X12 ins. 11 ins. in the ground for cor. to sec. 29, 30, 31 and 32, marked with 5 notches on E. and 1 notch on S. edge; from which
	a pine 6 ins. diam. brs. N. 45° W. 15 lks. dist, marked T. 2 N. R. 4 W. S. 30 B.T.
	a pine 6 ins. diam. brs. S. 42° 30' W. 17 lks. dist, marked T. 2 N. R. 4 W. S. 31 B.T.
	a pine 6 ins. diam. brs. S. 59° 30' E. 16 lks. dist, marked T. 2 N. R. 4 W. S. 32 B.T.
	a pine 6 ins. diam. brs. N. 1° 30' E. 3 lks. dist, marked T. 2 N. R. 4 W. S. 29 B.T.
	Land, mountainous.
	Soil, rocky; 4" rate.
	Timber, pine, aspen.
	Mountainous land 80 rods.
	Heavy timber and dense brush 80 rods.
	Sept. 11, 1903.

Sept. 12, 1903.

S. 0° 4' E. on a random line bet. sec. 31 and 32.

40.00 Set temp ¼ sec. cor.

Subdivisions T. 2 N. R. 4 W.

Chains	
84.86	Intersect S. bdy. of Tp. 62 lks. N 89°57' E. of cor. of secs. 5, 6, 31, and 32, heretofore described.
	Since I fall out of limit in alignment, I destroy marks on said cor. and on bearing trees pertaining to secs. 31 and 32, and set a sandstone 18 X 12 X 8 ins., 12 ins. in the ground for closing cor. to secs. 31 and 32 marked with 5 grooves on E. and 1 groove on W. face, and C.C. on N. face, from which
	A pine 5 ins. diam. brs. N. 16° E., 16 lks. dist., marked T. 2 N. R. 4 W. S. 32 B.T.
	A pine 8 ins. diam. brs. N. 85° W. 27 lks. dist., marked T. 2 N. R. 4 W. S. 31 B.T.
	Thence from
	N. 0° 4' W. on a true line bet. secs. 31 and 32.
	Ascend through heavy pine timber.
20.75	Spur slopes S. N. Descend.
32.76	Gulch 140 ft. deep, drs. S. W.
44.86	Set a sandstone 20 X 16 X 12 ins., 15 ins. in the ground for ¼ sec. cor. marked ¼ on W. face, from which
	A pine 18 ins. diam. brs. N. 40° W. 77 lks. dist., marked ¼ S. 31 B.T.
	A pine 14 ins. diam. brs. N. 60° E. 70 lks. dist., marked ¼ S. 32 B.T.
54.60	Ridge brs. N. W. and S. E.
	Leave pines, enter aspens brs. N. W. and S. E.
72.50	Gulch 225 ft. deep, drs. S. E.
	Ascend.
73.75	Leave aspens, enter dense second growth pines brs. N. W. and S. E.
84.86	The cor. to secs. 29, 30, 31 and 32.
	Land, mountainous.
	Soil, rocky; 4" rate.
	Timber, pine and aspen.
	Mountainous and heavy

Subdivisions T. 2 N. R. 4 W.

Chains	timbered land 84.86 chs.
	West on a random line bet. secs. 30 and 31.
40.00	Set temp. 1/4 sec. cor.
80.90	Intersect W. bdy. of Tp. 20 lks. N. of cor. to secs. 25, 30, 31 and 36, heretofore described.
	Thence Irun
	N 89°51' E. on a true line bet. secs. 30 and 31.
	Ascend through dense pines.
5.15	Spur. sloping S.
10.65	Bulch 175 ft. deep drs. S.
23.00	Ridge brs. N. W. and S. E. Ridge 400 ft. high.
34.00	Bulch 350 ft. deep, drs. S. E.
37.00	Leave gulch. Steep ascent.
40.90	Set a sandstone 26 X 16 X 14 ins., 20 ins. in the ground for 1/4 sec. cor. marked 1/4 on N. face, from which,
	A pine 8 ins. diam., bears S. 10' W. 21 lks. dist., marked 1/4 S. 31 B.T.
	A pine 8 ins. diam., bears N. 26° E. 44 lks. dist., marked 1/4 S. 30 B.T.
	Corner situated about 65 ft. above bottom of gulch.
53.50	Ridge 550 ft. high bears N. and S.
74.00	Bulch 300 ft. deep drs. S. Sfg. 5 chs. S.
	Ascend steep slope.
80.90	The cor. to secs. 29, 30, 31 and 32.
	Land, mountainous.
	Soil, rocky; 4" rate.
	Timber, pine and aspen.
	Mountainous and heavy timbered land 80.90 chs.
	Sept. 12, 1903.

Subdivision T. 22 N. R. 4 W.

Sept. 13, 1903. From cor. of secs. 25, 26, 35 & 36, which is a sandstone 14 X 10 ins. 6 ins. above ground previously set and described by me, from

N. 0° 1' W. bet. secs. 25 & 26.

Through timber, pine. Ascend

4.60 Leave pines, enter dry lake bed, standing 2 chains 2 and 5 chs. W. of line.

20.00 Leave lakebed. Enter pines and aspen. Ascend

40.00 Set a sandstone 16 X 10 X 6 ins. 11 ins. in the ground for 1/4 sec. cor. marked 1/4 on W. face, from which

an aspen 20 ins. diam. bears N. 39° W. 30 lks. marked 1/4 S 26 B.T.

an aspen 24 ins. diam. bears N. 81° 45' E. 76 lks. dist. marked 1/4 S 25 B.T.

80.00 Set a sandstone 14 X 12 X 6 ins. 12 ins. in the ground for cor. to secs. 23, 24, 25, and 26, marked with 1 notch on E. and 2 notches on S edges, from which,

a pine 18 ins. diam. bears S 19° 45' E. 47 lks. dist. marked T. 2 N. R. 4 W. S. 25 B.T.

an aspen 12 ins. diam. bears S. 14° 40' W. 75 lks. dist. marked T. 2 N. R. 4 W. S. 26 B.T.

a pine 20 ins. diam. bears N. 69° 45' W. 80 lks. dist. marked T. 2 N. R. 4 W. S. 23 B.T.

a pine 16 ins. diam. bears N. 77° 45' E. 49 lks. dist. marked T. 2 N. R. 4 W. S. 24 B.T.

Land rolling and mountainous.

Soil sandy & rocky 3rd & 4th rate.

Timber pines and aspen.

Heavy timbered land 64.60 chs.

Mountainous land 64.60 chs.

Subdivisions T. 2 N. R. 40.

Chains	
	East on a random line bet. secs. 24 & 25.
40.00	Set temp. ¼ sec. cor.
80.09	Intersect E. bdy. of Tp. 8 lks. S. of cor. to secs. 19, 24, 25 and 30. which is a quartzite stone 10 x 8 ins. 5 ins. above ground, marked & witnessed as described by H. E. Freudenthal Contract 2968
	Thence Idem
	S 89°57' W on a true line bet. secs. 24 and 25.
9.50	Diam. Drs. S. E.
	Enter pines & aspen.
	Gradual ascent.
40.145	Set a sandstone 24 x 18 x 6 ins. 18 ins. in the ground for ¼ sec. cor. marked ¼ on N. face; raised a mound of stones 2 ft. base 1½ ft. high N. of cor. No suitable bearing trees, being too small. Pits impracticable.
42.10	Ridge bears N. W. & S. E. descend
55.00	Foot of descent, 200 ft. below ridge. Ascend.
70.00	Ridge bars. N. & S. descent steep.
75.00	Gulch 100 ft. deep drs. S. Steep ascent.
80.09	The cor. to secs. 23, 24, 25, & 26.
	Land mountainous
	Soil rocky & sandy, 4° rate.
	Timber pine and aspen.
	Mountainous land 80.09 ch.
	Thick timber 70.09 ch.
	Sept. 13, 1903.

Sept. 14, 1903.

N 0°1' W bet. secs. 23 & 24.

Ascend over rolling country through very dense pines and aspen.

Subdivisional T. 2 N. R. 4 W.

Chains

40.00 Set a sandstone 16 x 10 x 8 ins. 11 ins. in the ground for ¼ sec. cor. marked ¼ on W. face, from which

a pine 7 ins. diam. brs. N 60° 30' E 55 lks., marked ¼ S. 24 B. T.

a pine 6 ins. diam. brs. S 42° 15' W 10 lks., marked ¼ S. 23 B. T.

62.00 Top of ascent.

Begin steep descent.

77.00 Bottom of dry creek bed in gulch brs. E.

Steep ascent.

80.00 Set a sandstone 20 x 18 x 8 ins. 18 ins. in the ground for cor to secs. 13, 14, 23, and 24, marked with 1 notch on E. and 3 notches on S edges, from which,

an aspen 5 ins. diam. brs. N 44° 45' W 14 lks. dist., marked T. 2 N. R. 4 W. S. 14 B. T.

an aspen 4 ins. diam. brs. N 47° 15' E 13 lks. dist., marked T. 2 N. R. 4 W. S. 13 B. T.

an aspen 6 ins. diam. brs. S 51° E. 24 lks. dist. marked T. 2 N. R. 4 W. S. 24 B. T.

an aspen 6 ins. diam. brs. S 16° 30' W. 23 lks. dist. marked T. 2 N. R. 4 W. S. 23 B. T.

Land rolling and mountainous

Soil sandy and rocky, 2, 3, 4 rate.

Timber pine and aspen.

Mountainous land 40.00 chs.

Dense timber 40.00 chs.

N. 89° 57' E on a random line bet. secs. 13 and 24.

40.00 Set temp. ¼ sec. cor.

80.12 Intersect E. bdy. of Tp. 3 lks. N. of cor. to secs. 13, 18, 19 and 24, which is a quartzite stone 12 x 6 x 5 ins. above ground, marked and

Subdivisions T. 2 N. R. 4 W.

Chains	
	witnessed as described by H. E. Freudenthal Contract No. 268
	Thence Grum
	S 89° 57' W on a true line bet. secs. 13 & 24. Through dense sage brush.
1.00	Steep descent
3.50	Wash in gulch 100 ft deep drs. S.W.
	Ascend
5.10	Top of ascent. Across flat ridge N. & S.
13.00	Decend
23.50	Wash in gulch 100 ft. deep drs. S. E.
	Enter aspens brs. N. W. & S. E.
	Ascend
25.50	Leave aspens brs. N. W. and S. E.
34.00	Enter aspens brs. N. W. and S. E.
37.50	Leave aspens brs. N. W. and S. E.
	Top of spur sloping S. E. Descend
40.06	Set a sandstone 26 x 14 x 8 ins. 17 ins. in the ground for ¼ sec. cor. marked ¼ on N. face, and raised a mound of stones 2 ft. base 1½ ft. high N. of corner.
	Pits impracticable.
50.00	Foot of descent
	Over level country.
77.50	Enter dense aspens brs. N & S.
80.12	The cor. to secs. 13, 14, 23, and 24.
	Land level and mountain
	Soil sandy and rocky, 3" and 4" rate
	Timber aspens.
	Mountainous land 50.00 chs.
	Heavy timber or dense brush 80.12 chs.
	Sept. 14, 1903.

Sept. 15, 1903.

N. 0° 1' W. bet. secs. 13 and 14.

	Ascend.
1.50	Leave dense aspens brs. E. and W.
4.00	Abrupt ascent.
15.00	Top of spur sloping S. W.
	Descend.

Subdivisions T. 2 N. R. 4 W.

Chains

36.00 Enter dense aspen and pines brs. E. and W.

40.00 Set a sandstone 15 X 12 X 6 ins. 10 ins. in the ground for ¼ sec. cor. marked ¼ on W. face, from which

a pine 6 ins. diam. brs. N 80° 15' E. 20 lks. dist., marked ¼ S. 13 B.T.

an aspen 4 ins. diam. brs. S. 84° W. 12 lks. dist., marked ¼ S. 14 B.T.

60.50 Dry creek bed in gulch brs. S.W.

80.00 Ridge brs. N.W. and S.E.

Set a sandstone 14 X 10 X 12 ins. 12 ins. in the ground for cor. to secs. 11, 12, 13, and 14, marked with 1 notch on E. and 4 notches on S. edges, from which

a pine 6 ins. diam. brs. S. 6 30' E. 31 lks. dist., marked T. 2 N. R. 4 W. S. 13 B.T.

a pine 4 ins. diam. brs. S. 26 30' W. 35 lks. dist., marked T. 2 N. R. 4 W. S. 14 B.T.

a pine 5 ins. diam. brs. N. 64° 30' E. 41 lks. dist., marked T. 2 N. R. 4 W. S. 12 B.T.

an aspen 4 ins. diam. brs. N. 10° 45' W. 42 lks. dist., marked T. 2 N. R. 4 W. S. 11 B.T.

Land mountainous.

Soil rocky.

Timber, pine and aspen.

Mountainous or heavy timbered land 80.00 chs.

N. 89° 58' E. bet. secs. 12 and 13, on a random line

40.00 Set temp. ¼ sec. cor.

79.90 Intersect E. bdy. of Tp. 5 lks. S. of cor. to secs. 7, 12, 13 and 18, which is a sandstone 6 X 6 X 12 ins. above ground,

Subdivisions T. 2 N. R. 4 W.

Chains	
	marked and witnessed as described by H. E. Freudenthal. Contract #268
	Thence I run S. 89° 56' W on a true line bet. secs. 12 and 13.
	Ascend through dense pines and heavy fallen timber.
2.00	Leave pines and fallen timber and enter dense aspens.
10.50	Ridge brs. N. and S.
	Descend
39.95	Set a sandstone 20 X 16 X 10 ins. 15 ins. in the ground for 1/4 sec. cor. marked 1/4 on N. face from which,
	An aspen 8 ins. diam. brs. N. 33° 45' E. 9 lks. dist. marked 1/4 S. 12 B.T.
	An aspen 7 ins. diam. brs. S. 3° 30' W. 12 lks. dist. marked 1/4 S. 13 B.T.
41.25	Gulch 200 ft deep drs. S.E.
46.00	Ridge brs. N.W. and S.E.
	Abrupt descent
52.00	Descend gradually.
66.00	Deep gulch, 200 ft deep. drs. S.E.
	Ascent steep
79.90	The cor. to secs. 11, 12, 13 and 14.
	Land mountainous.
	Soil rocky, 4" rate.
	Timber, pine and aspen.
	Mountainous or densely timbered land, 79.90 chs.
	Sept. 15, 1903.

Sept. 16, 1903.

	N 0° 1' W. bet. secs. 11 and 12.
	Through dense pines and fallen timber.
2.00	Leave pines & fallen timber.
	Enter dense aspens.
5.00	Descend

Subdivision T. 2 N. R. 4 W.

Chains

15.00 Gulch 250 ft. deep brs. S.E.

17.00 Ascend along W. slope of ridge brs. N. and S.

40.00 Set a sandstone 26 x 14 x 14 in. 20 in. in the ground for 1/4 sec. cor. marked 1/4 on W. face, from which,

a pine 6 in. diam. brs. S 25° 30' E. 19 lks. dist., marked 1/4 S. 12 B.T.

a pine 6 in. diam. brs. S 41° 45' W. 60 lks. dist., marked 1/4 S. 11 B.T.

44.50 Top of ascent.

Descend along W. slope of same ridge brs. N. and S.

50.00 Gulch 150 ft. deep brs. N.W.

57.50 Spur slopes N.W.

60.00 Gulch 50 ft. deep brs. W.

80.00 Set a sandstone 14 x 6 x 6 in. 12 in. in the ground for cor. to secs. 1, 2, 11 & 12, marked with 1 notch on E. and 5 notches on S. edge, from which,

an aspen 3 in. diam. brs. S 10° 45' W. 13 lks. dist., marked T. 2 N. R. 4 W. S. 11 B.T.

a pine 4 in. diam. brs. S 1° 30' E. 86 lks. dist., marked T. 2 N. R. 4 W. S. 12 B.T.

a pine 7 in. diam. brs. N 49° 30' W. 8 lks. dist., marked T. 2 N. R. 4 W. S. 2 B.T.

a pine 5 in. diam. brs. N 13° 30' E. 20 lks. dist., marked T. 2 N. R. 4 W. S. 1 B.T.

Land mountainous.

Soil rocky, 4th rate.

Timber, pine and aspen.

Mountainous or densely timbered land 80.00 chs.

Subdivision T. 2 N. R. 4 W.

Chains	
	N. 89°56' E. on a random line bet. secs. 1 and 12.
40.00	Set temp ¼ sec. cor.
79.60	Intersect E. bdy. of Tp. 35 lks. S. of cor. to secs. 1, 6, 7 and 12, which is a quartzite stone 10 X 6 X 6 ins above ground, marked and witnessed as described by H.C. Freudenthal Contract #208
	Thence from S 89°41' W on a true line bet secs. 1 and 12.
	descend through burned timber.
5.50	Dry wash in gulch 40 ft deep brs. S.W.
8.00	Dry wash in gulch 50 ft deep brs. S.E.
	Steep ascent through heavy pines.
18.00	Top of steep ascent. Ascend gradually.
30.00	Ridge brs. N. and S.
39.80	Set sandstone 16 X 10 X 8 ins. 11 ins. in the ground for ¼ sec. cor. marked with ¼ on N. face, from which
	a pine 9 ins. diam. brs. N 40°15' E. 7 lks. dist. marked ¼ S. 1 B.T.
	a pine 8 ins. diam. brs. S 50°30' E. 12 lks. dist. marked ¼ S. 12 B.T.
57.00	Creek 3 lks. wide, 4 ins. deep in gulch 300 ft deep brs. S.E.
64.00	Ridge brs. N. W. and S. descend.
79.60	The cor. to secs. 1, 2, 11, and 12.
	Land mountainous
	Soil sandy and rocky 3 & 4 rate.
	Timber, pines.
	Mountainous or heavily and densely timbered lands 79.60 ch.
	Sept. 16, 1903.

Subdivisions T. 22 N. R. 4 W.

Chains.	
	Sept. 17. N. 0°1' W. on a random line bet. secs. 1 and 2.
40.00	Set temp. ¼ sec. cor.
79.43	Intersect N. bdy. of Tp. 15 lks. N. 89°46' E. on tr. secs. 1, 2, 35, and 36, heretofore described
	Thence I run S. 0° 7' E. on a true line bet. secs. 1 & 2, descend through dense pines.
26.30	Cross 4 lks. wide 1 lk. deep in gulch 300 ft. deep trs. S. E. Ascend through pines and heavy fallen timber.
28.00	Leave fallen timber. Enter aspens.
39.43	Set a sandstone 14 X 12 X 10 ins. 12 ins. in the ground for ¼ sec. cor. marked ¼ on W. face, from which,
	an aspen 3 ins. diam. brs. S 27°30' E 3 lks. dist. marked ¼ S. 1 B.T.
	an aspen 4 ins. diam. brs. S. 53° W. 23 lks. dist. marked ¼ S. 2 B.T.
57.75	Ridge brs. N.W. and S.E.
60.00	Head of ravine 80 ft. deep trs. N. W.
62.00	Open slope S.W.
	Descend along W. slope of ridge brs. NW and S. E.
79.43	The cor. to secs. 1, 2, 11, and 12.
	Land mountainous.
	Soil sandy and rock, 2", 3", and 4" rate.
	Timber pines and aspens.
	Mountainous and densely timbered land 79.43 chs.
	Sept. 17, 1903.

Sept. 18, 1903;

From the cor. to secs. 26, 27, 34 & 35, heretofore described, I run,

Subdivisions T. 2 N. R. 4 W.

Chains	
	N. 0°2' W bet. secs. 26 and 27.
	Along open flat through dense sagebrush.
11.00	Enter aspens brs. E. and W. over rolling country
19.00	Leave aspens and enter scattering pines brs. N.W. and S.E.
40.00	Set a sandstone 20X12X8 ins. 15 ins. in the ground for 1/4 sec. cor. marked 1/4 on W. face; raised a mound of stones 2 ft. base 1 1/2 high W. of cor.
	No suitable bearing trees within limit.
	Pits impracticable. Begin ascent
44.00	Enter dense aspens brs. S.W. and N.E.
76.20	High ridge brs. N.E. and S.W.
	Steep descent.
	Leave aspens. brs. N.E. and S.W.
80.00	Set a sandstone 24X12X20 ins. 18 ins. in the ground for cor. to secs. 22, 23, 26, and 27, marked with 2 notches on E. and 2 notches on S. edges, raised a mound of stones 2 ft. base, 1 1/2 ft. high W. of cor.
	Pits impracticable.
	Land level and mountainous.
	Soil sandy and rocky 2", 3", and 4" deep.
	Timber aspen and pine.
	Mountainous land 40 chs.
	Dense timber or undergrowth 80.00 chs.

	E. on a random line bet. secs. 23 and 26.
40.00	Set temp. 1/4 sec. cor.
80.18	Intersect N. and S. line 5 lks. N. of cor. to secs. 23, 24, 25, and 26.

Subdivisions T. 2 N. R. 4 W.

Chains	
	Thence from
	N. 89°58' W on true line bet. secs. 23 and 26.
	Steep ascent through heavy pines and aspen.
16.00	High ridge brs. N. and S. W.
	descend
40.09	Set a sandstone 20 X 8 X 6 ins. 15 ins. in the ground for 1/4 sec. cor. marked 1/4 on N. face from which
	a pine 12 ins. diam. brs. N 44°30' W. 46 lks. dist, marked 1/4 S. 23 B.T.
	a pine 26 ins. diam brs. S. 41°30' W 37 lks. dist. marked 1/4 S. 26 B.T.
52.20	Forty descent.
	Enter flat.
54.00	Leave dense timber brs. NW & S.
57.00	Ascend through pines and aspen. brs. N. E. and S. W.
77.90	High ridge brs. N. E. and S.W.
	Leave timber brs. N. E. and S.W.
	Very steep descent.
80.18	The cor. to secs. 22, 23, 26, and 27.
	Land mountainous
	Soil sand and rocky; 3" & 4" rate
	Timber pine and aspen.
	Mountainous or heavy timbered land, 80.18 ch.
	Sept. 18, 1903.

Sept. 19, 1903.

N. 0°2' W. bet. secs. 22 and 23.

Along W. slope & ridge brs. N. E. and S.W.

4.20 Spur slopes W.

descent steep.

8.80 Enter aspens brs. E. and W.

16.00 Ravine 150 ft. deep brs. W.

17.20 Leave aspens brs. E and W.

Steep ascent,

Subdivision T. 22 N. R. 40 W.

Chains	
23.30	Spur slopes W.
	descent very steep.
24.25	Enter heavy pines brs. E. and W.
30.00	Ravine 175 p. deep brs. W.
31.10	Leave pines brs. E. and W.
	Steep descent.
39.75	Spur slopes W.
40.00	Set a sandstone 20 X 14 X 12 ins. 15 ins. in the ground for 1/4 sec. cor. marked 1/4 on W. face, and raised a mound of stone 2 ft. base 1 1/2 ft. high W. of cor.
	Pits impracticable
42.00	Ravine brs. W.
47.00	Spur slopes W.
	Steep descent
	Enter pines and aspens brs. E. and W.
56.00	Foot of steep descent, and gradually
	Leave pines and aspens brs. N. E. and S. W.
60.00	Set a sandstone 20 X 12 X 5 ins. 15 ins. in the ground for cor. to secs. 14, 15, 22, and 23, marked with 2 notches on E. and 3 notches on S edges, raised a mound of stone 2 ft. base 1 1/2 ft. high W. of cor.
	Pits impracticable.
	Land, mountainous
	Soil, rocky; 4" rate.
	Timber, pine and aspen.
	Mountainous or densely timbered land 60.00 chs.

S. 89° 57' E. on a random line bet. secs. 14 and 23.

43.00 Set temp. 1/4 sec. cor.

Subdivisions T. 2 N. R. 4 W.

Chains	
80.24	Intersect N. and S. line 12 links S. of cor. to secs. 13, 14, 23, and 24.
	Thence Irun
	S 89°57' W on a true line bet secs. 14 and 23.
	Descend through aspens brs. N. and S.
4.25	Dry creek bed in gulch brs. S. E.
	Ascend through aspens and pines brs. N.W. and S.E.
39.50	Top of high ridge brs. N. and S.
40.12	Set a sandstone 18 X 10 X 8 ins. 12 ins. in the ground for 1/4 sec. cor. marked 1/4 on N. face from which
	A pine 24 in. diam. brs. N. 74° W. 25 lks. dist., marked 1/4 S. 14 B.T.
	A pine 12 in. diam. brs. S 33°30' E 12 lks. dist., marked 1/4 S. 23 B.T.
	Very steep descent.
77.00	Foot of steep descent.
	Mouth of ravine 200 ft deep brs. N.W. Leave timber brs. N. and S.
	Gradual descent.
80.24	The cor. to secs. 14, 15, 22, and 23.
	Land mountainous.
	Soil, rocky; 4" rate.
	Timber, pine and aspen.
	Mountainous or heavily timbered land 80.24 chs.
	Sept. 19, 1903.

Sept. 20, 1903.

N. 0°2' W. bet. secs. 14 and 15.

Through dense aspens and pines.

14.90	Begin steep ascent.
	Leave aspens and pines brs. E. and W.

Subdivision T. 2 N. R. 4 W.

Chains	
19.00	Spur brs. W.
	Steep descent.
21.90	Ravine 80 ft. deep brs. W.
	Steep ascent.
37.60	Top of ascent brs. E. and W.
40.00	Set a sandstone 16 x 8 x 6 ins. 11 ins. in the ground for 1/4 sec. cor. marked 1/4 on W. face; raised a mound of stones 2 ft. base 1 1/2 ft. high W. of cor.
	Pits impracticable.
43.90	Begin steep descent brs. E. and W.
45.00	Wash in ravine, 30 ft deep brs. W.
52.90	Spur brs. W.
	Descent steep.
57.70	Wash in ravine 150 ft deep brs. W.
61.80	Spur brs. W.
64.00	Wash in ravine 60 ft. deep brs. W.
	Ascend
80.00	Set a sandstone 16 x 8 x 6 ins. 11 ins. in the ground for cor. to secs. 10, 11, 14 and 15 marked with 2 notches on E and 4 notches on S edges; raised a mound of stone 2 ft. base 1 1/2 ft. high W. of cor.
	Pits impracticable.
	Land, mountainous.
	Soil, rocky; 4" rate.
	Timber, pines and aspens.
	Mountainous or densely timbered land 80.00 chs.

N. 89°57' E. on a random line bet. secs. 11 and 14.

40.00	Set temp. 1/4 sec. cor.

Subdivisions T. 2 N. R. 4 W.

Chains

80.10 Intersect N. and S. line 4 lks. S. of cor. to secs. 11, 12, 13 and 14
Thence from
S 89° 55' W on a true line bet. secs. 11 and 14.
Descend through dense pines and aspens and heavy fallen timber
5.00 Leave heavy pines.
Through dense aspens and fallen timber.
36.00 Edge of gulch dir. S. E.
40.05 Set a sandstone 24 X 16 X 12 ins. 18 ins. in the ground for 1/4 sec. cor. marked 1/4 on N face, from which
An aspen 10 ins. diam. bears S 69° 30' W. 49 lks. dist., marked 1/4 S. 14, B.T.
An aspen 8 ins. diam. bears N 41° 45' W. 56 lks. dist., marked 1/4 S. 11 B.T.
1/4 Corner situated in small open space.
44.00 Ascend through very dense pines and aspens.
63.00 High ridge bears N. W. and S. E.
76.00 Leave pines and aspens bears N. & S.
80.10 The cor. to secs. 10, 11, 14, and 15.
Land, mountainous.
Soil, rocky; 4" rate.
Timber, pines and aspens.
Mountainous or heavily timbered land, 80.10 chs.
Sept. 20, 1903.

Sept. 21, 1903.
N. 0° 2' W. bet secs. 10 and 11.
Ascend gradually.
3.00 Enter pines and aspens bears NW and S. E.

Subdivisions T. 2 N. R. 4 W.

Chains	
38.55	Bottom of cliff, brs. N. W. and S. E. 50 ft high.
38.85	Top of cliff.
39.10	Top of spur brs. S. W.
40.00	Set a sandstone 18 X 12 X 6 ins. 12 ins. in the ground for ¼ sec. cor. marked ¼ on W. face, from which
	A pine 12 ins. diam. brs. S 79°45' W. 7 lks. dist., marked ¼ S 10. B.T.
	A pine 14 ins. diam. brs. S 47°30' E. 10 lks. dist., marked ¼ S. 11 B.T.
43.00	Foot of descent. Ascend gradually.
49.10	Spur projects W.
	Steep descent
65.40	Wash in ravine 300 ft. deep brs. W.
	Ascend through dense growth of small aspens.
80.00	Set a sandstone 18 X 8 X 6 ins. 12 ins. in the ground for cor. to secs. 2, 3, 10, and 11, marked with 2 notches on E., and 5 notches on Sedges; raised a mound of stones 2 ft. base 1½ ft. high W. of cor.
	Pits impracticable
	No suitable bearing trees within limit, being too small.
	Land, mountainous.
	Soil, rocky; 4° rate.
	Timber, pine and aspens.
	Mountainous and densely timbered land 80.00 chs.

	N 89°55' E. on a random line bet. secs. 2 and 11.
40.00	Set temp ¼ sec. cor.

Subdivisions T. 2 N. R. 4 W.

Chains

79.95 Intersect N. and S. line 30 lks. N. of cor. to secs. 1, 2, 11, and 12.
Thence from
N. 89°52' W on a true line bet. secs. 2 and 11.
Descend through dense pines.
15.00 Gulch 300 ft. deep brs. S. E.
Ascent steep.
39.975 Set a sandstone 16 x 10 x 8 ins. 11 ins. in the ground for 1/4 sec. cor., marked 1/4 on N. face, from which,
a pine 6 ins. diam. brs. N 35°15' E. 45 lks. dist. marked 1/4 S. 2 B.T.
a pine 12 ins. diam. brs. S. 18°30' W. 14 lks. dist. marked 1/4 S. 11 B.T.
42.00 Ridge brs. N. W. and S. E.
57.00 Head of gulch brs. S. E.
72.00 High ridge brs. N. E. and S. W.
76.00 Foot of steep descent.
Enter dense small aspens brs. N. and S. W.
79.95 Thence to secs. 2, 3, 10, and 11.
Land, mountainous.
Soil, rocky; 4" rate.
Timber, pine and aspens.
Mountainous or densely timbered land 79.95 chs.
Sept. 21, 1913.

Sept. 22, 1913.
N. 0°2' W. on a random line bet. secs. 2 and 3.
40.00 Set temp. 1/4 sec. cor.
79.75 Intersect N. bdy. of Tp. 5 lks. S. 89°46½' W. to secs. 2, 3, 34, and 35, heretofore described.

Subdivisions T. 2 N. R. 4 W.

Chains Thence I run
South on a true line bet. secs. 2 and 3.
Ascend through pines and aspens and along E slope of ridge brs. N. W. and S. E.
10.00 Top of ascent brs. N. W. and S. E. Over plateau descend
39.75 Set a sandstone 18 X 12 X 6 ins. 12 ins. in the ground for 1/4 sec. cor. marked 1/4 on W. face, from which
A pine 24 ins. diam., brs. S 33° 30' E. 35 lks. dist., marked 1/4 S. 2 B.T.
A pine 12 ins. diam., brs. N 20° 30' W. 50 lks. dist., marked 1/4 S. 3 B.T.
42.25 Ridge brs. N. N. W. and S. S. E.
Descent steep.
59.00 Wash in gulch 300 ft. deep brs. S W.
71.75 Ridge brs. N. E. and S. W.
Descend through dense small aspens brs. N. E. & S. W.
79.75 The cor. to secs. 2, 3, 10 and 11.
Land mountainous.
Soil, sandy and rocky; 4" rate.
Timber, pines and aspens.
Mountainous or densely timbered land 79.75 ch.
Sept. 22, 1903.

Sept. 23, 1903.
From the cor. to secs. 27, 28, 33 and 34, heretofore described I run
N 0° 02' W bet. secs. 27, and 28.
Descend along W. slope of ridge over large boulders, and dense sage and mahogany brush.
40.00 Set a sandstone 20 X 8 X 6 ins., 15 ins. in the ground for 1/4 sec. cor.

Subdivision T. 22 N. R. 4 W.

Chains | marked 4 on W. face, raised a mound of stones 2 ft. base 1½ ft. high W. of cor.
Pits impracticable.
59.12 | Steep descent to creek bottom.
69.90 | Enter creek bottom brs. N. E. and S. W.
Through dense willow.
70.90 | East bank of Lake Fork 2 ft. deep course S. W.
71.60 | West bank Lake Fork.
80.00 | Set a sandstone 18X12X4 ins. 12 ins. in the ground for cor. to secs. 21, 22, 27 and 28, marked with 3 notches on E. and 2 notches on S. edges; raised a mound of stones 2 ft. base 1½ ft. high W. of cor.
Pits impracticable.
Cor. situated in dense willows.
Land rolling and mountainous.
Soil sandy and rocky; 4" rate.
No timber.
Mountainous, heavy timbered land; land covered with dense under growth of brush.

East on a random line bet. secs. 22 and 27.
40.00 | Set temp ¼ sec. cor.
40.20 | Intersect N. and S. line 15 lks. S. of cor. to secs. 22, 23, 26, and 27.
Thence from
S. 89°54' W. on a true line bet. secs. 22 and 27.
Descent very steep.
8.20 | Bottom very steep descent.
Descend through dense mahogany brush & scattering aspens.
40.10 | Set a sandstone 24X12X6 ins.

Subdivisions T. 2 N. R. 4 W.

Chains	
	18 ins. in the ground for 1/4 sec. cor. marked 1/4 on N. face; raised a mound of stones 2 ft. base, 1 1/2 ft. high N. of cor.
	Pits impracticable.
	No suitable bearing trees available.
	descend very rocky through dense sage brush.
72.90	Abrupt descent.
74.10	River bottom brs. N. E. and S. W.
	Enter dense willows brs. N. E. and S. W.
77.15	East bank of Lake Fork, 2 ft. deep, course S. W.
77.70	West bank of Lake Fork.
80.20	The corner to secs. 21, 22, 27, and 28.
	Land rolling and mountainous.
	Soil, sandy loam and rocky, 1 & 4 rate.
	Timber, scattering aspens & willows.
	Mountainous land is land covered with dense willows or undergrowth.

	N. 0° 2' W. bet. secs. 21 and 22.
	Through dense willows and aspens.
19.50	Leave willows and aspens brs. N. E. and S. W. ascend steep.
20.80	Top of steep ascent out of creek bottom.
	ascend through sage brush.
40.00	Set a sandstone 18 X 12 X 6 ins. 12 ins. in the ground for 1/4 sec. cor. marked 1/4 on W. face; raised a mound of stones 2 ft. base 1 1/2 ft. high W. of cor.
49.10	Very steep ascent through scrub cedars and mahogany.

Subdivisions T. 2 N. R. 4 W.

Chains
80.00

Set a sandstone 20 X 18 X 12 ins. 15" ins. in the ground for cor. to secs. 15, 16, 21, and 22, marked with 3 notches on E, and 3 notches on S. edges; and 2 N. on N. E. and 4 W. on S. E. faces, raised a mound of stones 2 ft base, 1½ ft. high W. of cor.

Pits impracticable.

Corner situated on east slope of steep butte sloping toward creek, Lake Fork.

Land level and mountainous

Soil, sandy loam and rocky, 1" and 4" rate.

Timber, scrub cedars and mahogany, and willow brush.

Mountainous land 60.50 chs.

Dense willows and undergrowth 80.00 chs.

At the cor. of secs. 15, 16, 21, and 22, latitude 40°34'09" N, longitude 110°21'22" W at 7h 23m l.m.t. I observe Polaris at eastern elongation and mark the line thus determined by a tack driven in a wooden peg five chains north of my station.

Sept. 23, 1903

Sept. 24, 1903; At 6h 30m a.m. I lay off the azimuth of Polaris 1°35'5 to the west and mark the true meridian thus determined by a cross on a stone

Chains

firmly set in the ground west of the point established last night.

The magnetic bearing of said true meridian is N. 16° 38' W which gives a magnetic declination of 16° 38' E.

N 89° 54' E. on a random line bet. secs. 15 and 22,

40.00 Set temp. ¼ sec. cor.

80.10 Intersect N. and S. line 5 lks. S. of cor. to secs. 14, 15, 22, and 23.

Thence from

S 89° 52' W on a true line bet. secs. 15 and 22.

4.00 Descend through aspens and scattering pines brs. N. W. and S. E.

16.00 Leave aspens brs. N. and S. Enter dense sagebrush.

40.05 Set a sandstone 18 X 12 X 4 ins. 12 ins. in the ground for ¼ sec. cor. marked ¼ on N. face; raised a mound of stone 2 ft. base 1½ ft. high N. of cor.

45.00 Steep descent to creek bottom.

45.90 Enter bottom brs. N. E. and S. W. and enter dense willows.

57.60 East bank of Lake Fork. 2 ft. deep, course S.

58.15 West bank of Lake Fork.

63.00 Leave bottom and willows brs. N. and S.

67.00 Steep rocky ascent through mahogany.

80.10 The cor. to secs. 15, 16, 21, and 22

Land rolling and mountainous.

Soil sandy loam and rocky; 1" and 4" rate.

Timber, aspens and scattering pine.

Subdivisions T. 2 N. R. 4 W.

Chains	
	Mountainous land 50.20 chs.
	Dense undergrowth, willows or aspens 80.10 chs.
	N. 0°2' W. bet. secs. 15 and 16.
	Descend gradually along E. slope of butte.
16.40	Enter aspens brs. N. W. and S. E.
38.10	Leave aspens brs. E. and W.
	Enter scattering pines. Ascend.
40.00	Set a sandstone 18 X 10 X 8 ins. 12 ins. in the ground for 1/4 sec. cor., marked 1/4 on W. face, from which
	A pine 28 ins. diam. brs. N 20°30' E 120 lks. dist. marked 1/4 S. 15 B. T.
	A pine 36 ins. diam. brs. N. 14° W 132 lks. dist. marked 1/4 S. 16 B. T.
47.90	Ridge brs. E. and W.
	Descend gradually through dense aspens and scattering pines brs. E. and W.
53.20	Leave aspens and scattering pines brs. N. W. and S. E. Descend.
69.80	Enter aspens and pines brs. E. and W. Pines scattering.
80.00	Set a sandstone 18 X 12 X 8 ins. 12 ins. in the ground for cor. to secs. 9, 10, 15 and 16, marked with 3 notches on E. and 4 notches on S edges; raised a mound of stone 2 ft. base 1 1/2 ft. high W. of cor.
	Pits impracticable.
	No suitable bearing trees within limit.
	Corner near mouth of wash drs. S. E.

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Subdivisions T. 2 N. R. 4 W.

Land mountainous.
Soil, rocky and sand, 4" rate.
Timber, pine and aspens.
Mountainous or densely timbered land 80.00 chs.
Sept. 24, 1903.

Sept. 25, 1903.
N 89° 52' E on a random line bet. secs. 10 and 15.
40.00 Set temp ¼ sec. cor.
79.88 Intersect N. and S. line 10 chs. S. of cor. to secs. 10, 11, 14 and 15.
Thence Irun
S 89° 48' W on a true line bet. secs. 10 and 15.
Steep descent
5.00 Enter dense pines and aspens brs. N.E. and S.W.
9.50 Foot of very steep descent.
29.00 Wash 50 ft. deep brs. S.W.
39.94 Set a sandstone 18 X 12 X 6 ins. 12 ins. in the ground for ¼ sec. cor. marked ¼ on N. face, and raised a mound of stone 2 ft. base 1½ ft. high N. of cor.
Pits impracticable.
Trees too small for bearing objects.
Descent steep.
52.00 Leave dense saplings of pine and aspens brs. N.W. and S.E.
52.25 Descent over precipice 50 ft high to creek bottom brs. N.W. and S.E.
Enter dense willows brs. N.W. and S.E.
57.45 East bank of Lake Fork 1½ ft deep course S.E.
58.30 West bank of Lake Fork
60.00 Steep ascent from creek bottom brs. N.W. and S. Leave willows.

Subdivisions T. 2 N. R. 4 W.

Chains	
60.80	Leave creek bottom. ascend.
73.00	Enter scattering aspens, bns. N. and S.
79.88	The cor. to secs. 9, 10, 15, and 16. Land, level and mountainous. Soil, gravel and rocky; 4" rain. Creek bottom, gravel. Timber, pine and aspen. Mountainous or densely timbered land 71.33 chs. Dense willows 1.55 "

N. 0°2' W. bet. secs. 9 and 10. ascend

11.00	Very steep ascent.
26.90	High ridge bns. N.W. and S.E. Steep descent to
39.00	Creek bottom and dense willows bns. N.W. and S.E.
40.00	Set a sandstone 16X12X8 ins. 11 ins. in the ground for 1/4 sec. cor. marked 1/4 on W. face; and raised a mound of stones 2 ft. base 1 1/2 ft. high W. of cor. Pits impracticable
46.00	West bank of Lake Fork, 2 ft. deep, course S.E.
46.55	East bank Lake Fork.
51.00	Limestone bluff 20 ft. high bns. N.W. and S.E. Leave creek bottom and willows Enter scattering aspen saplings ascend.
80.00	Set a sandstone 16X14X10 ins. 12 ins. in the ground for cor. to secs. 3, 4, 9, and 10, marked with 3 notches on E. and 5 notches on S. edge, and raised a mound

Subdivisions T. 2 N. R. 4 W.

Chains	Stone, 2 ft. base 1½ ft. high W. of cor.
	Pits impracticable.
	Suitable bearing trees in limit.
	Land, level and mountainous.
	Soil, sandy loam and rock, 1" and 4" rate.
	Timber, aspen and dense willow.
	Mountainous land 6.00 chs.
	Dense willow 12.00 chs.
	Sept. 25, 1903.
	Sept. 26 1903.
	N.89°44' E. on a random line bet. secs. 3 and 10
40.00	Set temp. ¼ sec. cor.
80.22	Intersect N. and S. line 5 lks. N. of cor.
	to secs. 2, 3, 10 and 11.
	Thence from
	S.89°54' W. on true line bet. secs. 3 and 10.
	Ascend through aspen saplings.
3.00	Leave saplings, brs. N. E. and S. W.
5.10	Ridge 100 ft. high brs. N. E. and S. W.
17.00	Wash in ravine, 100 ft. deep, drs. S. W.
	Steep ascent through aspens and
	pines brs. N. E. and S.
21.00	Small ridge brs. N. and S.
	Descent steep.
34.00	Leave timber brs. N. and S.
	Enter heavy mahogany brush.
40.11	Set a sandstone 18 x 12 x 8 ins., 12 ins. in
	the ground for ¼ sec. cor., marked 40 on N.
	face, and raised a mound of stone 2 ft.
	base 1½ ft. high N. of cor.
	Pits impracticable.
43.20	Wash drs. S.
69.25	Bottom of steep descent.
76.00	Enter aspen saplings brs. N. W. and S. E.
80.22	The cor. to secs. 3, 4, 9 and 10.
	Land mountainous.
	Soil sandy and rocky, 4" rate.
	Timber, pine and aspen.
	Mountainous or heavy timbered
	land 80.22 chs.

Subdivision Tp. 22 N. R. 4 W.

Chains	
	N. 0°2' W. on a random line bet. secs. 3 and 4.
40.00	Set temp. ¼ sec. cor.
79.70	Intersect N. bdy. of Tp. 15 chs. S. 89°46' W. of cor. to secs. 3, 4, 33 and 34 heretofore described.
	Thence from S 0°4' W on a true line bet. secs. 3 and 4.
	descend over limestone slide rock.
16.00	Leave slide rock bns. E. and W.
	Enter pine and aspen bns. E. and W.
33.00	Crank bns. S.W.
36.70	Steep ascent from Crank.
37.00	Leave dense pine and aspen bns. E. and W. Through dense sagebrush.
39.70	Set a limestone 16 X 12 X 4 ins. 11 ins. in the ground for ¼ sec. cor. marked ¼ on W. face; and raised a mound of stone 2 ft. base 1½ ft. high W. of cor.
	Pits impracticable.
45.00	Top of ascent.
	descend steep slope.
55.00	Foot of steep descent.
65.00	Enter scattering aspen saplings bns. E. and W.
79.70	The cor. to secs. 3, 4, 9, and 10.
	Land, rolling and mountainous.
	Soil, sandy and rocky; 4th rate.
	Timber, pine and aspen.
	Mountainous, bad, dense undergrowth or dense timber. 79.70 chs.
	Sept. 26, 1903.

Subdivisions T. 2 N. R. 4 W.

Chains	
	Sept 27 1903. From cor. to secs. 28, 29, 32, and 33, heretofore described, run
	N. 0° 3' W. bet secs. 28 and 29.
5.00	Ascend over rocky benches and
	through scattering pines bs. E. and W.
40.00	Set a sandstone 18 X 8 X 6 ins.
	12 ins. in the ground for 1/4 sec.
	cor., marked 1/4 on W. face,
	from which,
	A pine 18 ins. diam. bs. N. 58° 30' W.
	114 lks. dist. marked 1/4 S. 29 B.T.
	A pine 8 ins. diam. bs. N. 34° E.
	96 lks. dist. marked 1/4 S. 28 B.T.
58.00	Top of ridge bs. N. E. and S. W.
	Abrupt descent.
66.00	Swail bs. N. W.
	Abrupt ascent.
72.00	Top of ascent.
	Descend through scattering aspen
	and pines bs. N. E. and S. W.
80.00	Set a sandstone 14 X 8 X 8 ins.
	9 ins. in the ground for cor. to secs.
	20, 21, 28, and 29, marked with
	2 notches on S. and 4 notches
	on E. edge, from which
	An aspen 6 ins. diam. bs. N. 20° W.
	81 lks. dist. marked T. 2 N. R. 4 W. S. 20 B.T.
	An aspen 5 ins. diam. bs. N. 38° E.
	52 lks. dist. marked T. 2 N. R. 4 W. S. 21 B.T.
	A pine 6 ins. diam. bs. S. 55° E.
	110 lks. dist. marked T. 2 N. R. 4 W. S. 28 B.T.
	An aspen 7 ins. diam. bs. S. 18° W.
	91 lks. dist. marked T. 2 N. R. 4 W. S. 29 B.T.
	Land, mountainous.
	Soil, rocky and sandy; 4th rate.
	Timber, pine and aspen.
	Mountainous land. Finished.

Subdivisions T. 22 R. 40 E.

Chains	
	East on a random line bet. secs. 21 and 28.
40.00	Set temp. 1/4 sec. cor.
79.72	Intersect N. and S. line 20 lks. S. of cor. to secs. 21, 22, 27 and 28.
	Thence from S 89° 51' W on a true line bet. secs. 21 and 28
	Through dense willow.
4.20	Leave willow and cross bottom bys. N. and S. Ascend.
8.60	Enter dense aspens bys. N. and S.
12.00	Leave dense aspens bys. N. and S.
	Ascend over rocky ground.
39.86	Set a sandstone 18 X 12 X 8 ins. 12 ins. in the ground for 1/4 sec. cor. marked 1/4 on N. face; and raised a mound of stones 2 ft. base 1 1/2 ft. high N. of cor.
	Pits impracticable.
42.50	Dry creek bed bys. S. E.
45.00	Begin steep ascent.
54.25	Spur bys. S. E. descend
56.00	Foot of descent.
	Ascend over steep rocky ground.
77.70	Ridge bys. N. and S. Enter aspens bys. N. and S.
	Descend steep slope to
79.72	The cor. to secs. 20, 21, 28, and 29.
	Land, level and mountainous.
	Soil, sandy loam & rocky, 12" and 4" rate
	Timber aspens, willow brush
	Mountainous land 75.52 ch.
	Dense timber 3.40 ch.
	Dense willow 4.20 ch.

Sept. 27, 1903.

Subdivision T. 2 N. R. 4 W.

Chains	Sept. 28, 1913. N. 0° 30' W. bet. secs. 20 and 21.
	Ascend through scattering aspens.
5.00	Descend through dense pine and scattering aspen bra. N.E. and S.W.
30.00	Leave pine enter dense aspens.
40.00	Set a sandstone 13 X 8 X 6 ins. 9 ins. in the ground for 1/4 sec. cor. marked 1/4 on N. face, from which,
	An aspen 4 ins. diam. bears N 65° W. 30 lks. dist. marked 1/4 S. 20 B.T.
	A red cedar 6 ins. diam. bears S 55° E. 23 lks. dist. marked 1/4 S. 21 B.T.
49.00	Canon 400 ft. deep bears S.E.
51.00	Abrupt ascent.
80.00	Set a sandstone 14 X 10 X 8 ins. 12 ins. in the ground for cor. to secs. 16, 17, 20, and 21, marked with 4 notches on E. and 3 notches on S. edges; from which
	An aspen 3 ins. diam. bears N. 40° W. 35 lks. dist. marked T. 2 N. R. 4 W. S. 17 B.T.
	An aspen 4 ins. diam. bears N. 77° E. 27 lks. dist. marked T. 2 N. R. 4 W. S. 16 B.T.
	A pine 6 ins. diam. bears S. 56° E. 15 lks. dist. marked T. 2 N. R. 4 W. S. 21 B.T.
	A pine 8 ins. diam. bears S. 55° W. 120 lks. dist. marked T. 2 N. R. 4 W. S. 20 B.T.
	Land mountainous.
	Soil rocky, 4th rate.
	Timber, pine and aspen.
	Mountainous or heavy timbered land 80.00 chs.

	N. 89° 55' E. on a random line bet. secs. 16 and 21.
40.00	Set temp. 1/4 sec. cor.
79.50	Intersect N. and S. line 6 lks. S. of cor. to secs. 15, 16, 21, and 22.

Subdivisions T. 2 N. R. 4 W.

Chains

Thence from
S. 89° 41' W. on a true line bet.
secs. 16 and 21.
Ascend through mahogany
with steep slope.
6.00 Spur bears South.
Steep descent through scattering
pines and aspens.
31.00 Enter grassy flat. bears N.
and S. W.
33.00 Leave flat brs. N. E. and S. W.
39.90 Set a sandstone 18 X 12 X 6 ins.
12 ins. in the ground for 1/4 sec.
cor. marked 1/4 on N. face, from
which
An aspen 5 ins. diam., brs. N. 86° W.
27 lks. dist. marked 1/4 S. 16 B.T.
An aspen 5 ins. diam., brs. S. 87° E.
30 lks. dist. marked 1/4 S. 21 B.T.
Ascend over boulders and
through dense aspens brs. N. and S. W.
79.80 The cor. of secs. 16, 17, 20, and 21.
Land, mountainous.
Soil, rocky; 4th rate.
Timber, pine and aspen.
Mountainous or heavy
timbered land 79.80 chs.
Sept. 28, 1903.

Sept. 29, 1903;
N. 0° 3' W. bet. secs. 16 and 17.
Steep ascent through dense pines
and aspens.
24.00 Ridge 500 ft. high brs. E. and W.
Descend steep slope through dense
pines, aspens, and fallen timber.
40.00 Set a sandstone 18 X 10 X 8 ins.
10 ins. in the ground for 1/4 sec. cor.
marked 1/4 on W. face, from which
An aspen 6 ins. diam. brs. S. 83° E.

Subdivisions T. 22 N. R. 4 W.

Chains 46 lks. dist. marked ¼ S. 16 B. T.
An aspen 4 ins. diam. brs. S. 58° W.
5 lks. dist. marked ¼ S. 17 B. T.
54.00 Bottom of steep descent.
66.00 Cañon 60 ft. deep, brs. E.
Ascend through dense aspen saplings brs. E. and W.
80.00 Set a siliceous sandstone 18 X 12 X 6 ins., 12 ins. in the ground for cor. of secs. 8, 9, 16 and 17, marked with 4 notches on E. and 4 notches on S. edge; and raised a mound of stone 2 ft. base 1½ ft. high W. of cor.
Pits impracticable.
Trees too small for bearing objects.
Land, mountainous.
Soil rocky, 3" and 4" rate.
Timber, pine and aspen.
Mountainous and densely timbered land 80.00 chs.

N. 89° 48' E. on a random line bet. secs. 9 and 16.
40.00 Set temp. ¼ sec. cor.
80.25 Intersect N. and S. line 10 lks. N. of cor. to secs. 9, 10, 15 and 16.
Thence from
S. 89° 52' W. on a true line bet. secs. 9 and 16.
Through aspen saplings and scattering pines.
6.00 Begin steep descent.
25.50 Spur bears S. E.
Enter dense pines of second growth brs. N. W. and S. E.
Descend.
40.125 Set a siliceous sandstone 18 X 12 X 6 ins. 12 ins. in the ground.

Subdivisions T. 2. N. R. 4 W.

Chains	
	for ¼ sec. cor. marked ¼ on N. face; and raised a mound of stone 2 ft. base 1½ ft. high N. of cor.
	Pits impracticable.
	Trees too small for bearing objects being 2 ins. or less in diam.
46.00	Pulch drs. S. E., 200 ft. deep.
	Ascend.
60.00	Spur 250 ft. high, brs. S. E.
	Descend.
72.00	Wash 125 ft. deep drs. S. E.
	Ascend through aspen sapplings brs. N. W. and S. E.
80.25	The cor. to secs. 8, 9, 16, and 17.
	Land, mountainous.
	Soil, rocky; 4" rate.
	Timber pine and aspen.
	Mountainous or densely timbered land 80.25 chs.
	Sept. 29, 1903.

Sept. 30, 903;

N. 0°3' W. bet. secs. 8 and 9.

Ascend through dense aspen sapplings and scattering pine.

87.00	High ridge brs. E. and W.
40.00	Set a sandstone 16 X 10 X 10 ins. 11 ins. in the ground for ¼ sec. cor. marked ¼ on W. face, and raised a mound of stone 2 ft. base 1½ ft. high W. of cor.
	Pits impracticable.
	No suitable bearing trees, all 2 ins. or less in diameter.
	Descend through dense small pines.
48.50	Head of ravine drs. N. E.
	Ascend.
51.25	Ridge brs. N. E. and S. W.
	Descend along W. slope of ridge

Subdivision T. 2 N. R. 4 W.

Chains	
	brs. N. E. thence N.
80.00	Set a sandstone 16 X 10 X 6 ins. 11 ins. in the ground for cor. to secs. 4, 5, 8, and 9, marked with 4 notches on E. and 5 notches on S. edge; and raised a mound of stones 2 ft. base 1½ ft. high W. of cor.
	Pits impracticable.
	Trees too small for bearing objects being 2 ins. or less in diam.
	Land mountainous.
	Soil, rocky, 8" and 4" rate.
	Timber pine and aspen.
	Mountainous or heavy timbered land 80.00 chs.

	N. 89° 52' E. on a random line bet. secs. 4 and 9.
40.00	Set temp. ¼ sec. cor.
79.90	Intersect N. and S. line 12 chs. W. of cor. to secs. 3, 4, 9 and 10.
	Thence I run S. 89° 57' W. on a true line bet. secs. 4 and 9.
	Descend through scattering aspen saplings.
14.50	Steep descent to creek bottom and leave aspen brs. N. W. and S. E.
	Enter dense willows.
18.90	East bank of East Fork of Lake Fork 2½ ft. deep course S. E.
19.50	West bank East Fork of Lake Fork.
31.20	Leave creek bottom and dense willows brs. N. W. and S. E.
	Steep ascent through dense aspen and pine saplings brs. N. W. and S. E.
39.95	Set a sandstone 16 X 12 X 8 ins. 11 ins. in the ground for ¼ sec. cor.

Subdivision T. 2 N. R. 4 W.

Chains | marked 1/4 on N. face; and raised a mound of stone 2 ft. base 1 1/2 ft. high N. of cor.
Pits impracticable.
No suitable bearing trees; too small.
44.00 Wash drs. N. E.
Steep ascent to
79.90 The cor. to secs. 4, 5, 8, and 9.
Land mountainous.
Soil, sandy loam and rocky, 1" and 4" rate.
Timber, pine and aspen.
Dense willows.
Mountainous or densely timbered land 79.90 chs.

Sept. 30, 1903.

Oct. 1, 1903.
N. 0°03' W. on a random line bet. secs. 4 and 5.
40.00 Set temp 1/4 sec. cor.
80.07 Intersect N. bdy. of Tp. 34 lks. S. 89°46' W. of cor. to secs. 4, 5, 32, and 33; heretofore described.
Thence Irun
S 0°12' W. on a true line bet. secs. 4 and 5.
Through dense pines and aspens.
4.55 East bank of Lake Fork 8 ins. deep, course S. E.
5.25 West bank of Lake Fork.
Through willows and pines.
21.50 Leave creek bottom and willows brs. N. W. and S. E.
Enter dense second-growth pines.

Subdivision T. 22 N. R. 40 W.

Chains

37.00 Creek 2 links wide, 4 ins. deep, course East.

40.07 Set a sandstone 16 x 12 x 8 ins. 11 ins. in the ground for 1/4 sec. cor. marked 1/4 on N. face, from which

a pine, 12 ins. diam., bears N 58° 10' W. 20 lks. dist., marked 1/4 S. 5 B.T.

a pine 12 ins. diam., bears S 41° 15' E. 85 lks. dist., marked 1/4 S. 4 B.T.

67.50 Begin steep ascent to

80.07 The cor. to secs. 4, 5, 8, and 9.

Land rolling and mountainous. Soil sandy loam and rocky; 1" and 4" rain.

Timber, pine and aspen.

Mountainous or densely timbered land 80.07 chs.

Oct. 1, 1903.

Oct. 2, 1903.

From the cor. to secs. 29, 30, 31, and 32, heretofore described, run

N. 0° 14' W. bet. secs. 29 and 30.

Ascend along W. slope of ridge bet. N. and S. through dense pine.

19.00 High ridge bears E. and W. Ascend.

37.00 Leave dense pines enter dense aspen.

40.00 Set a sandstone 18 x 14 x 5 ins., 12 ins. in the ground for 1/4 sec. cor. marked 1/4 on W. face, from which,

an aspen 4 ins. diam., bears N. 35° W. 26 lks. dist., marked 1/4 S. 30 B.T.

an aspen 10 ins. diam., bears S. 55° E. 14 lks. dist., marked 1/4 S. 29 B.T.

Ascend over boulders, through aspen.

Subdivisions T. 2 N. R. 4 W.

Chains	
51.00	Deep ravine 350 ft. deep dis. S. E.
71.00	Leave aspens, enter dense pines brs. N. W. and S. E.
80.00	Set a sandstone 24 x 8 x 5 ins. 18 ins. in the ground for cor. to secs. 19, 20, 29 and 30, marked with 5 notches on E and 2 notches on Sedges, from which
	A pine 2 ins. diam., brs. N 20°30' W. 20 lks. dist., marked T. 2 N. R. 4 W. S. 19 B. T.
	A pine 14 ins. diam., brs. N 55° E., 85 lks. dist., marked T. 2 N. R. 4 W. S. 20 B. T.
	A pine 10 ins. diam. brs. S 53°30' E. 18 lks. dist., marked T. 2 N. R. 4 W. S. 29 B. T.
	A pine 2 ins. diam. brs. S. 14°30' W. 23 lks. dist., marked T. 2 N. R. 4 W. S. 30 B. T.
	Land, mountainous.
	Soil rocky; 4° rate
	Timber, pine and aspen.
	Mountainous or heavy timbered land. [illegible]

	East on a random line bet. secs. 20 and 29.
41.00	Set temp. ¼ sec. cor.
80.09	Intersect N. and S. line 10 lks. N. of cor. to secs. 20, 21, 28 and 29.
	Thence Grun
	N 89°56' W. on a true line bet. secs. 20 and 29.
	Through aspens.
7.00	Steep ascent over boulders, through pines brs. N. E. and S. W.
	Leave aspens.
40.045	Set a sandstone 16 x 10 x 8 ins. 11 ins. in the ground for ¼ sec.

Subdivision T. 2 N. R. 40.

Chain	
	cor. marked ¼ on N. face from which,
	A pine 6 ins. diam. brs. N. 30° W. 36 lks. dist. marked ¼ S. 20 B. T.
	A pine 8 ins. diam. brs. S. 55° 30' E 23 lks. dist. marked ¼ S. 29 B. T.
60.00	Top of spur 400 ft. high brs. S.
67.00	Ravine 225 ft deep drs. S.
	Steep ascent.
74.00	Spur projects S.
80.09	The cor. to secs. 19, 20, 29, and 30.
	Land, mountainous.
	Soil, rocky, 4" rate.
	Timber, pine and aspen.
	Mountainous or heavy timbered land 80.09 chs.
	Oct. 2, 1903.

Oct. 3, 1903:

	S. 89° 51' W. on a random line bet. secs. 19 and 30.
40.00	Set temp ¼ sec. cor.
80.85	Intersect W. bdy of Tp. 23 lks. N. of cor to secs. 19, 24, 25, and 30, heretofore described.
	Thence I run
	N. 89° 41' E on a true line bet. secs. 19 and 30.
	Ascend
5.00	High ridge brs. N. E. and S.
	Descend.
40.85	Set a sandstone 14 x 12 x 6 ins. 9 ins. in the ground for ¼ sec. cor. marked ¼ on N. face, from which
	An aspen 3 ins. diam. brs. N. 6° E. 14 lks. dist. marked ¼ S. 19 B. T.
	A pine 8 ins. diam. brs. S. 51° W. 20 lks. dist. marked ¼ S. 30 B. T.

Subdivisions T. 2 N. R. 40 W.

Chains	
57.00	Gulch 300 ft. deep brs. S. E. steep ascent.
66.15	Spur projects S. steep descent.
76.00	Bottom of descent. Ascend over boulders through timber.
80.85	The cor. to secs. 19, 20, 29, and 30. Land, mountainous. Soil, rocky, 4th rate. Timber, pine and aspen. Mountainous or heavily timbered land 80.85 chs.

N. 0° 4' W. bet. secs. 19 and 20. Ascend over boulders through pines and aspen.

11.00	Ridge 250 ft. high brs. E. and W. steep descent.
15.00	Ravine 200 ft deep brs. S. E. Ascend through dense pines and scattering aspens.
35.00	Ridge 450 ft. high brs. E and W.
40.00	Set a sandstone 12 x 8 x 8 ins. 8 ins. in the ground for 1/4 sec. cor., marked 1/4 on W. face, from which
	a pine 7 ins. diam. brs. S 56° W. 16 lks. dist. marked 1/4 S. 19 B. T.
	a pine 6 ins. diam. brs. N. 48° E. 8 lks. dist. marked 1/4 S. 20 B. T.
57.50	Ravine brs. N. E. Ascend.
75.00	Top of ascent. Descend along N. E. slope of spur projects N. E.

Subdivisions T. 2 N. R. 4 W.

Chains	
80.00	Set a sandstone 18 X 12 X 10 ins. 12 ins. in the ground for cor. to secs. 17, 18, 19, and 20 marked with 5 notches on E and 3 notches on S. edges, from which
	A pine 7 ins. diam., brs. N 23°50' E. 19 lks. dist. marked T. 2 N. R. 4 W. S. 17 B. T.
	A pine 10 ins. diam. brs. N. 15° W. 12 lks. dist. marked T. 2 N. R. 4 W. S. 18 B. T.
	A pine 8 ins. diam. brs. S. 55° W. 25 lks. dist. marked T. 2 N. R. 4 W. S. 19 B. T.
	A pine 8 ins. diam. brs. S. 38° E. 21 lks. dist. marked T. 2 N. R. 4 W. S. 20 B. T.
	Land mountainous.
	Soil rocky, 4" rate
	Timber, pine and aspen.
	Mountainous or heavily timbered land 80.00 chs.
	Oct. 3, 1903.
	Oct. 4, 1903:
	S. 89°56' E. on a random line bet. secs. 17 and 20.
40.00	Set temp. ¼ sec. cor.
79.88	Intersect N. and S. line 20 lks. S. of cor. to secs. 16, 17, 20, and 21.
	Thence I run
	S. 89°55' W. on a true line bet. secs. 17 and 20.
	Ascend over boulders through dense aspens and scattering pines.
7.00	Spur projects S.
	Descent steep.
17.00	Pulch 300 ft. deep brs. S. E.
	Steep ascent through dense pines.
30.50	High ridge brs. N. W. and S. E.
	Descend

Subdivision T. 22 N. R. 40 W.

Chains

39.94 Set a sandstone 14 x 10 x 8 ins. 9 ins. in the ground for 1/4 sec. cor. marked 1/4 on N. face, from which

A pine 5 ins. diam. bears N. 5° E. 18 lks. dist., marked 1/4 S. 17 B.T.

A pine 8 ins. diam. bears S. 40° 30' E. 33 lks. dist., marked 1/4 S. 20 B.T.

60.00 Enter deep gulch bears S. E.

Leave pines, and enter aspens and scattering pines bears N. W. and S. E.

65.25 Cross 5 lks. wide 4 ins. deep course S. E.

73.00 Leave gulch

Ascend through pines and aspens.

79.88 The cor. to secs. 17, 18, 19 and 20.

Land, mountainous.

Soil, rocky; 4" rate.

Timber, pine and aspen.

Mountainous or heavy timbered land 79.88 chs.

S. 89° 41' W. on a random line bet. secs. 18 and 19.

40.00 Setting 1/4 sec. cor.

79.95 Intersect W. bdy. of T. 33 lks. S. of cor. to secs. 13, 18, 19 and 24, heretofore described.

Thence from

N. 89° 55' E. on a true line bet. secs. 18 and 19.

Descend through dense pines and aspens, and fallen timber.

Subdivision T. 2 N. R. 4 W.

Chains	
36.70	Leave dense pines brs. N. W. and S. E.
	Enter open flat sloping N. E.
40.95	Set a sandstone 1 ft X 12 X 10 ins. 12 ins. in the ground for 1/4 sec. cor. marked 1/4 on N. face, and raised a mound of stone 2 ft. base 1 1/2 ft. high N. of cor.
	Pits impracticable.
46.00	Enter dense pines brs. N. E. and S. W.
	Ascend along N. slope of ridge brs. N. E. and S. W.
61.00	Begin steep ascent
78.00	Top of ascent.
80.95	The cor. to secs. 17, 18, 19 and 20.
	Land, mountainous.
	Soil, rocky; 4th rate.
	Timber pine and aspen.
	Mountainous land 80.95 chs.
	Heavy timber 71.65 chs.
	Oct. 4, 1903.

Oct. 5, 1903.

N. 0° 4' W. bet. secs. 17 and 18.

Descend through pines and scattering aspens.

11.00 Foot of steep descent.

Enter gulch brs. S. E.

Enter pines and scattering pines brs. N. W. and S. E.

17.50 Creek 5 lks. wide 3 ins. deep brs. S. E.

22.00 Leave gulch.

Ascend through pines and aspens along W. slope of high ridge brs. N. and S.

35.00 Top of ascent. Descend.

40.00 Set a sandstone 1 ft X 12 X 10 ins. 12 ins. in the ground for 1/4 sec. cor. marked 1/4 on W. face, from which,

Subdivision T. 2 N. R. 4 W.

Chains	A aspen 7 ins. diam. brs. S. 68° E.
	45 lks. dist., marked ¼ S. 17 B.T.
	A pine 6 ins. diam. brs. N. 30° W.
	16 lks. dist., marked ¼ S. 16 B.T.
57.00	Gulch dis. S. W. Gulch 175 ft. deep.
	Ascend to
60.00	Set a silicious sandstone
	20 X 10 X 10 ins. 21 ins. in the
	ground for Cor. to secs.
	7, 8, 17, and 18, marked with
	4 notches on S. and 5 notches
	on E. edges, from which
	A pine 8 ins. diam. brs. N. 30° E.
	18 lks. dist., marked T. 2 N. R. 4 W. S. 8 B.T.
	A pine 10 ins. diam. brs. N. 56° 30' W.
	12 lks. dist., marked T. 2 N. R. 4 W. S. 7 B.T.
	A pine 7 ins. diam. brs. S. 45° 30' E.
	24 lks. dist., marked T. 2 N. R. 4 W. S. 17 B.T.
	A pine 18 ins. diam. brs. S. 37° W.
	10 lks. dist., marked T. 2 N. R. 4 W. S. 16 B.T.
	Land, mountainous.
	Soil, rocky; 4th rate.
	Timber, pine and aspen.
	Mountainous or being
	timbered land 60.00 chs.

	N. 89° 55' E. on a random line
	bet. secs. 8 and 17.
40.00	Set temp. ¼ sec. cor.
79.70	Intersect N. and S. line
	15 lks. S. of cor. to secs. 8, 9, 16, and 17.
	Thence run
	S. 89° 49' W. on a true line bet.
	secs. 8 and 17.
	Ascend through aspen sapplings
21.75	Begin very steep ascent.

Subdivisions T. 2 N. R. 4 W.

Chains	
	Leave aspen saplings brs. N. E. and S. W.
34.00	High ridge brs. N. E. and S. W.
	Descend steep slope.
39.00	Enter pine brs. N.E. and S.W.
39.85	Set a silicious sandstone 14 x 12 x 4 ins., 9 ins. in the ground for 1/4 sec. cor. marked 1/4 on N. face, from which
	a pine 6 ins. diam. brs. N14°30'W. 75 lks. dist., marked 1/4 S. 8 B.T.
	a pine 6 ins. diam. brs. S17°30'E. 35 lks. dist., marked 1/4 S. 17 B.T.
61.80	Ravine 400 ft. deep. drs. S.W.
	Steep ascent.
78.80	High ridge brs. N. W. and S. E.
79.70	The cor. to secs. 7, 8, 17 and 18.
	Land mountainous.
	Soil, rocky, 4" rate.
	Timber, pine and aspen.
	Mountainous or densely timbered land 79.70 chs.
	Oct. 5, 1903.

Oct. 6 1903;
S.89°55'W. on a random line bet. secs. 7 and 18.

40.00	Set temp 1/4 sec. cor.
80.00	Intersect W. bdy. of Tp. 31 lks. N. of cor. to secs. 7, 12, 13 and 18, heretofore described.
	Thence from
	N.89°42'E on a true line bet. secs. 7 and 18.
	Steep descent through pine and aspen timber
8.30	Gulch drs. N.
	Ascend
14.25	Spur projects N
	Steep descent.
27.75	Gulch 300 ft deep drs. N. E.

Subdivision T. 2 N. R. 4 W.

Chains	
34.00	Spur 200 ft. high projects N.
	Steep descent
40.00	Set a sandstone 22 x 12 x 8 ins. 16 ins. in the ground for 1/4 sec. cor. marked 1/4 on N. face, from which
	a pine 6 ins. diam. bears N. 15° E. 14 lks. dist., marked 1/4 S. 7 B.T.
	a pine 6 ins. diam. bears S. 40° 30' E. 10 lks. dist., marked 1/4 S. 14 B.T.
	Corner situated in fallen timber
46.00	Creek 8 lks. wide 1 ft. deep course S.E.
	Ascend gradually.
52.75	Steep ascent.
73.55	Spur projects S. W.
76.00	Drain. dis. S. W.
	Abrupt ascent to
80.00	The cor. to secs. 7, 8, 17, and 18.
	Land, mountainous.
	Soil, rocky; 4" rate.
	Timber, pine, and aspen.
	Mountainous or heavy timbered land 80 80 chs.

	N. 0° 4' W. bet. secs. 7 and 8.
	Steep ascent through dense pines.
1.50	Ridge bears N. W. and S. E.
	Descend along E. slope ridge.
20.00	Forty descent.
	Steep ascent
32.75	Ridge 400 ft. high bears N.W. and S.E.
	Steep descent
38.50	Gulch 150 ft. deep dis. E.

Subdivisions T. 2 N. R. 4 W.

Chains

Steep ascent.

40.00 Set a sandstone 14 X 8 X 6 ins., 9 ins. in the ground for 1/4 sec. cor. marked 1/4 on W. face, from which
a pine 8 ins. diam., brs. N 70° 30' E. 25 lks. dist., marked 1/4 S. 8 B.T.
a pine 6 ins. diam., brs. N 66° W. 14 lks. dist., marked 1/4 S. 7 B.T.

53.00 Top steep ascent.
ascend gradually to

80.00 Set a sandstone 11 X 12 X 8 ins. 12 ins. in the ground for cor. to secs. 5, 6, 7 and 8, marked with 5 notches on E. and 5 notches on S. edges, from which
a pine 8 ins. diam., brs. N. 66° W. 42 lks. dist., marked T. 2 N. R. 4 W. S. 6 B.T.
a pine 12 ins. diam., brs. N. 45° 15' E. 16 lks. dist., marked T. 2 N. R. 4 W. S. 5 B.T.
a pine 8 ins. diam., brs. S 57° 30' E. 84 lks. dist., marked T. 2 N. R. 4 W. S. 8 B.T.
a pine 10 ins. diam., brs. S. 54° 45' W. 90 lks. dist., marked T. 2 N. R. 4 W. S. 7 B.T.
Land, mountainous.
Soil, rocky; 4" rate.
Timber, pine and aspen.
Mountainous or heavy timbered land 80.00 chs.

Oct. 6, 1903.

Oct. 7, 1903:
N. 89° 49' E. on a random line bet. secs. 5 and 8.

40.00 Set temp. 1/4 sec. cor.

79.66 Intersect N. and S. line 15 lks. S. of cor. to secs. 4, 5, 8, and 9.
Thence I run
S. 89° 43' W. on a true line bet. secs. 5 and 8.
Steep descents through second growth pines.

Subdivision T. 22 N. R. 4 W.

Chains	
9.75	Creek 2 lks. wide 3 ins. deep course N. Ascend through aspen and pine timber.
39.83	Set a sandstone 16 X 10 X 6 ins. 11 ins. in the ground for 1/4 sec. cor. marked 1/4 on N. face, from which A pine, 8 ins. diam. bears S. 13° E. 13 lks. dist. marked 1/4 S. & B.T. A pine 16 ins. diam. bears N. 45° 45' E. 37 lks. dist. marked 1/4 S. 5 B.T.
79.66	The cor. to secs. 5, 6, 7 and 8. Land, mountainous. Soil rocky, 4th rate. Timber, pine and aspen. Mountainous or heavy timbered land 79.66 chs. Oct. 7, 1903.

Oct. 8, 1903.

S. 89° 42' W. on a random line bet. secs. 6 and 7.

40.00	Set temp. 1/4 sec. cor.
80.45	Intersect W. bdy. of Tp. 9 lks. S. of cor. to secs. 1, 6, 7 and 12, heretofore described. Thence from N. 89° 46' E. on true line bet. sec. 6 and 7. Ascend through aspen and burned pines.
17.00	Leave burned pines bears N. E. and S. W. Continue ascent through pines and aspens.
40.45	Set a sandstone 14 X 8 X 6 ins. 9 ins. in the ground for 1/4 sec. cor. marked 1/4 on N. face, from which,

Subdivisions T. 2 N. R. 4 W.

Chains

A pine 12 ins. diam., brs. N. 46°45' E. 26 lks. dist., marked 1/4 S. 6 B.T.

A pine 14 ins. diam., brs. S. 34°45' E. 60 lks. dist., marked 1/4 S. 7 B.T.

Continue ascent through timber along S. slope of high ridge brs. N. W. and S. E.

49.00 Top of ascent.

Descend along slope along same ridge brs. N. of E.

80.45 The cor. to secs. 5, 6, 7, and 8.

Land, mountainous.

Soil, rocky; 4" rate.

Timber, pine and aspens.

Mountainous and heavy timbered land 80.45 chs.

Oct. 8, 1903.

Oct. 9, 1903;

N. 0°4' W. on a random line bet. secs. 5 and 6.

40.00 Set temp. 1/4 sec. cor.

79.81 Intersect N. bdy. of Tp. 10 lks. N. 89°46' E. of cor. to secs. 5, 6, 31, and 32.

Thence I run

S. 0°8' E. on a true line bet. secs. 5 and 6

Ascend through dense pines.

39.81 Set a sandstone 16 x 8 x 4 ins. 11 ins. in the ground for 1/4 sec. cor. marked 1/4 on W. face; from which

A pine 8 ins. diam., brs. S. 72°30' W. 20 lks. dist., marked 1/4 S. 6 B.T.

A pine 12 ins. diam., brs. S. 83° E. 55 lks. dist., marked 1/4 S. 5 B.T.

65.10 Ridge 3,000 ft. high brs. E. and W.

Across top of ridge through pines aspens and fallen timber.

Subdivisions T. 2 N. R. 4 W.

Chains	
75.00	Leave ridge bis. N of E. and S. of W. Descend.
79.81	The cor. to secs. 5, 6, 7, and 8. Land, mountainous. Soil, rocky; 4" rate. Timber pine, aspen, and fallen trees. Mountainous and heavy timbered land 79.81 chs. Oct. 9, 1903.

General Description

This township is situated on the south slope of the Uintah Mountains, and is mountainous throughout, with the exception of a few scattering small stretches of flat or rolling country in the S.E. cor. of the township.

The East Fork of Lake Fork flows south through the center of the township in a wide cañon of the same name.

The soil of the bottom along East Fork of Lake Fork is capable of producing crops without irrigation, but elsewhere is generally rocky. The springs in secs. 14, 29, and 32 not seen from line.

The western third of the township and secs. 1, 2, 11 and 12 abound in pine timber of commercial value; and the remainder of the township is more or less

General Description T. 2 N. R. 4 W.

covered with pine, aspens and nutritious grasses and under brush, and is good range land.

There is no mineral in this township.

There are no settlers in this township nor Indian habitations. Tooroor ass, a White River Indian claims all the lower lands in the canon of East Fork of Lake creek that is in this township.

James C Dick
U.S. Dep. Surveyor

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

James C Dick
U.S. Dep. Surveyor

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

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

....., *Chainman.*

....., *Chainman.*

For final affidavits see book H, T3NR4W, *Moundman.*

....., *Moundman.*

....., *Axman.*

....., *Axman.*

....., *Flagman.*

FINAL OATH OF ASSISTANTS.

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

....., *Chainman.*

....., *Chainman.*

For final affidavits see book H, T3NR4W, *Moundman.*

....., *Moundman.*

....., *Axman.*

....., *Axman.*

....., *Flagman.*

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

SEAL

6—151

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

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

For final affidavits see book H. Tp 3 N R 4 W

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

.....
United States Deputy Surve

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

SEAL

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City Utah, June 30, 190

The foregoing field notes of the survey of the Subdivisional lines of Township 2 North Range 4 West of the United St. Base & Meridian, Utah

executed by James C. Dickson and Austin K. Tiernan under ~~his~~ their contract No. 272, dated July 22 1903, 189 , having critically examined, and the necessary corrections and explanations made, the said field notes, an surveys they describe, are hereby approved.

Edward H. Anderson
United States Surveyor Ge

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

.....
United States Surveyor Ge

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4—679.

E.

BOOK A-309

FIELD NOTES

OF THE Re SURVEY OF THE

South Boundary and the Survey of The West and North Boundaries of T 2 N. R. 5 W.

Of the Uintah Special Base and Meridian, Utah

AS SURVEYED BY

James C. Dick and Austin R. Tiernan United States Deputy Surveyors,

Under ~~his~~ their Contract No. 272, dated Jan 22, 1903. ~~189~~

Re Survey commenced September 1, 1903. ~~189~~

Survey completed September 9, 1903. ~~189~~

6—151

South high 5,76.31 ✓

West " 5,64.10 ✓

" [illegible] [illegible] ✓

North high 5,74.45 ✓

4434

BOOK A-309

NAMES AND DUTIES OF ASSISTANTS.

E. B. Andrews, Chainman.
F. L. Hurford, Chainman
Robert Graham, Moundman
Chas. Wall, Axman
R. L. Davidson, Axman
Edward J. Little, Flagman.

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Volume

#

R0309

PRELIMINARY OATHS OF ASSISTANTS.

We, E. B. Andrews and F. L. Hurford

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 resurvey of S. Bdy. and survey of the West and North Bdys, T. 2 N. R. 5 W. Uintah Special Base and Meridian, Utah.

E. B. Andrews, Chainman.

F. L. Hurford, Chainman.

Subscribed and sworn to before me this 1st day of Sept 1903, 189

SEAL

Austin K. Fisman
U. S. Deputy Surveyor

I, Robert Graham

do solemnly swear that ~~we~~ I will well and truly perform the duties of moundman in the establishment of corners, according to the instructions given ~~us~~ me, to the best of ~~our~~ my skill and ability, in the resurvey of S. Bdy. and survey of the West and North Bdys, T. 2 N. R. 5 W. Uintah Special Base and Meridian, Utah.

Robert Graham, Moundman.

, Moundman.

Subscribed and sworn to before me this 1st day of Sept 1903, 189

SEAL

Austin K. Fisman
U. S. Deputy Surveyor

We, Chas. Wall and R. L. Davidson

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 resurvey of S. Bdy. and survey of the West and North Bdys, T. 2 N. R. 5 W. Uintah Special Base and Meridian, Utah.

Chas. Wall, Axman.

R. L. Davidson, Axman.

Subscribed and sworn to before me this 1st day of Sept 1903, 189

SEAL

Austin K. Fisman
U. S. Deputy Surveyor

I, Edward J. Little, 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 resurvey of the S. Bdy. and survey of the West and North Bdys, T. 2 N. R. 5 W. Uintah Special Base and Meridian, Utah.

Edward J. Little, Flagman.

Subscribed and sworn to before me this 1st day of Sept 1903, 189

SEAL

Austin K. Fisman
U. S. Deputy Surveyor

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RESURVEY OF

SOUTH BDY. Of T.2 N., R.5 W.

CHAINS

September 1; The south bdy. of this township has been surveyed under a previous contract executed Sept. 1882.

To comply with the special instructions issued for this contract I retrace this line to find whether the cors on this line correspond with the survey of T.2 N., R.5 W.

I proceed as follows:

Survey commenced; September 1, 1903, and executed with a Buff and Buff, light mountain transit, No. 3, without 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 arc.

The instrument was examined, tested on the true meridian at Salt Lake City, found correct, and was approved by the surveyor General for Utah, August 20, 1903.

I examine the adjustments of the transit, and correct the level and collimation errors; then to determine the true meridian by observations on Polaris, I proceed as follows:

At the cor. of Tps. 1 and 2 N., Rs. 4 and 5 W. heretofore described, on the First Guide Meridian West, in approximate latitude 40° 31' 33" N., longitude 110° 24' 46" W.

At 8h. 49m., p.m., l.m.t., I observe Polaris at eastern elongation, in accordance with the Manual of Instructions, and mark a point thereof with a tack driven in a wooden peg, set in the ground, 5.00 chs. N. of the cor.

September 1, 1903.

September 2: At 6 a.m., l.m.t., I lay off the azimuth of Polaris, 1° 35' to the west, and mark the meridian thus determined, by a tross on a stone, firmly set in the ground, west of the point established last evening.

The magnetic bearing of the true meridian at 7 a.m., is

CHAINS

N.16°43'W.,the angle thus determined gives the mag.decl. 16°43'E..

Thence I run

S.89°59'W.retracing bet.secs.1 and 36.

at 39.10,the ¼ sec.cor.bears S.86 lks.dist.,and at 78.20 chs.the cor.of secs.1-2-35 and 36,bears S.1.74 chs.dist.

The course of this line is therefore S.88°43'W,andthe dist.78.92 chs.

S.89°59'W.,retracing bet.secs.2 and 35.

at 38.60 chs.,the ¼ sec.cor.bears S.47 lks.dist.and at 78.50 chs.,the cor.of secs.2-3-34 and 35,bears S.96 lks. dist.

The course of this line is therefore S.89°17'W.and the dist.78.51 chs.

S.89°59'W.,retracing bet.secs.3 and 34.

at 39.95 chs.,the ¼ sec.cor.,bears N.31 lks.dist.,and at 79.90 chs.,the cor.of secs.3-4-33 and 34,bears N.,63 lks. dist.

The course of this line is therefore N.89°34'W.,and the dist.79.90 chs.

S.89°59'W.,retracing bet.secs.4 and 33.

at 39.85 chs.,the ¼ sec.cor.,bears N.,88 lks.dist.,and at 79.78 chs.the cor.of secs.4-5-32 and 33,bears N.56 lks. dist.

The course of this line is therefore,N.89°37'W.,and the dist 79.78 chs.

S.89°59'W.,retracing bet.secs.5 and 32.

at 39.75 the ¼ sec.cor.,bears N.3 lks.dist.,and at 79.45 chs.,the cor.of secs.5-6-31 and 32,bears N.7 lks.dist.

The course of this line is therefore,N.89°58'W.,and the dist.79.45 chs.

S.89°59'W.,retracing bet.secs.6 and 31.

at 39.85 chs.the ¼ sec.cor.,bears S.16 lks.dist.,and at 79.75 chs.the reestablished cor.of Tps.1 and 2 N.,Rs.5 and 6 W.,which is a sandstone 15x7x6 ins.above ground,firmly set and marked and witnessed as described by Deputy Har-

RESURVEY OF
SOUTH BDY.OF T.2 N.,R.5 W.

CHAINS	
	vey, D.Heist under his contract No.266;bears S.33 lks.dist. The course of this line is therefore S.89°45'W.,and the dist.79.75 chs.
	September 2,1903.
	September 3:As the south bdy.of the township is not within limits for course or distance,I survey it as the south bdy.of T.2 N.,R.5 W.,setting cors.for the north only and destroying all marks on the old line that pertain to T.2 N.,R.5 W.
	We begin at the cor.of Tps.1 and 2 N.,Rs.4 and 5 W., heretofore described,on the First Guide Meridian West, and run
	S.88°43'W.,along S.bdy.of sec.36.
	Over rocky land,descend through heavy pine timber.
4.00	Bottom of ravine,250 ft.deep,course S.W.
	Leave timber,bears N.E.and S.W,enter dense artemisia and oak brush.
	Begin abrupt ascent.
19.73	The 1/16 cor.,which is a sandstone 8x5x5 ins.above ground, marked as described by the surveyor general.
27.00	Top of ridge,bears N.and S.
	Descend.
36.50	Bottom of ravine,200 ft.deep,course S.W.
	Begin abrupt ascent.
39.11	The old ¼ sec.cor.,which is a sandstone 10x10x4 ins.above ground,marked as described by the surveyor general.
40.07	Set a sandstone 16x10x6 ins.,11 ins.in the ground,for ¼ sec.cor.for sec.36,marked ¼ on N.face,and raise a mound of stone 2 ft.base,1½ ft.high,N.of cor.
	Pits impracticable.
	I destroy all marks on the old cor.that pertain to T.2 N.,R.5 W.
44.00	Top of ridge,bears N.and S.

RESURVEY OF

SOUTH BDY.OF T.2 N.,R.5 W.

CHAINS	
	Begin abrupt descent.
58.00	Spring branch,1 lk.wide,in bottom of ravine,300 ft.deep, course S.
	Begin abrupt ascent.
59.00	The 1/16 cor.which is a sandstone 10x5x5 ins.above ground, marked as described by the surveyor general.
74.00	Top of ridge,bears N.and S.
	Begin abrupt descent.
78.92	The cor.of secs.1-2-35 and 36,which is a sandstone 10x8x4 ins.above ground,marked as described by the surveyorgeneral
	Thence I run,S.89°17'W. with continuous measurement.
80.02	Set a trachyte stone 18x12x6 ins.,12 ins.in the ground, for cor.of secs.35 and 36,marked with 1 groove on E.and 5 grooves on W.edges,and raise a mound of stone,2 ft.base, 1½ ft.high,N.of cor.
	Pits impracticable.
	I destroy all marks on the old cor.that pertain to T.2 N.,R.5 W.
	Land,mountainous.
	Soil,rocky 3rd.rate.
	Timber,pine on 4.00 chs.
	Mountainous land and heavily timbered or dense undergrowth,on 80.02chs.

From the cor.of secs.35 and 36,I run S.89°17'W.,along S.bdy.sec.35.

	Over rocky land,descend through dense artemisia,oak and service berry brush.
14.00	Bottom of ravine,150 ft.deep,course S.W.
	Ascend.
17.75	The 1/16 cor.,which is a sandstone 10x5x4 ins.above grou marked as described by the surveyor general.
21.00	Top of spur,projects S.
	Begin abrupt descent.

RESURVEY OF

SOUTH BDY.OF T.2 N.,R.5 W..

CHAINS	
31.50	Bottom of abrupt descent,500 ft.below sec.cor.,bears N.W.and S.E.
	Begin gradual descent in bottom of West Fork of Lake Fork Canon.
37.50	Intersect old ¼ sec.cor.,which is a sandstone 10x10x4 ins. above ground,marked as described by the surveyor general.
40.00	Set a trachyte stone 15x10x8 ins.,10 ins.in the ground, for ¼ sec.cor.for sec.35,marked with ¼ on N.face,and raise a mound of stone,2 ft.base,1½ ft.high,N.of cor. Pits impracticable.
	I destroy all marks on the old cor.that pertain to T.2 N.,R.5 W.
57.30	The 1/16 cor.,which is a sandstone 8x6x5 ins.above the ground,marked as described by the surveyor general.
67.50	Enter dense willow brush,bears N.W.and S.E.
70.00	West Fork of Lake Fork Creek,50 lks.wide,12 ins.deep, in bottom of canon,600 ft.deep,course S.E.
	Begin abrupt ascent.
71.50	Leave willow brush,bears N.W.and S.E.
77.41	Intersect the cor.of secs.2-3-34 and 35,which is a sandstone 10x8x4 ins.above ground,marked as described by the surveyor general.
	This cor.is situated at the base of white sandstone ledges bearing N.W.and S.E.
	Thence I run,N.89°34'W. with continuous measurement.
	Begin abrupt ascent over sandstone ledges,bearing N.W.and S.E.
80.01	Point for cor. falls on the smooth surface of the sandstone ledges.
	I cut a cross(X),at exact point for cor.of secs.34 and 35, mark 2 grooves on E.and 4 grooves on W.sides of cross, and raise a mound of stone 2 ft.base,1½ ft.high,N.of cor. Pits impracticable.

RESURVEY OF

SOUTH BDY.OF T.2 N.,R.5 W.

CHAINS	
	I destroy all marks on the old cor.that pertain to T.2 N.,R.5 W.
	Land mountainous.
	Soil,rocky 3rd.and 4th.rate.
	No timber.
	Mountainous land and dense undergrowth on 80.01 chs.

	From the cor.of secs.34 and 35,I run
	N.89°34'W.,along S.bdy.of sec.34.
	Ascend abruptly over sandstone ledges.
.90	No trace can be found of the witness cor.to secs.2-3-34 and 35,said to have been set at this point.
3.40	Top of sharp ridge,bears N.W.and S.E.
	Leave sandstone ledges,bearing N.W.and S.E.
	Enter dense artemisia.
	Descend.
10.50	Bottom of hollow,100 ft.deep,course S.E.
	Ascend.
17.30	Intersect 1/16 cor.,which is a sandstone 10x8x4 ins.above ground,marked as described by the surveyor general.
21.50	Top of ridge,bears N.and S.
	Descend.
37.35	Intersect old ¼ sec.cor.,which is a sandstone 18x12x5 ins. above ground,marked as described by the surveyor general.
40.00	Set a trachyte stone 15x10x6 ins.,10 ins.in the ground, for ¼ sec.cor.for sec.34,marked with ¼ on N.face,and raise a mound of stone,2 ft.base,1½ ft.high,N.of cor.
	Pits impracticable.
	I destroy all marks on the old ¼ sec.cor.that pertain to T.2 N.,R.5 W.
51.00	Wagon road,bears N.and S.in bottom of hollow,100 ft.deep, course N.
	Ascend.

RESURVEY OF

SOUTH BDY.OF T.2 N.,R.5 W.

CHAINS	
57.25	Intersect 1/16 cor.,which is a sandstone 12x12x4 ins.above ground,marked as described by the surveyor general.
69.50	Enter heavy pine timber,bears N.W.and S.E.
77.30	Intersect the cor.of secs.3-4-33 and 34,which is a sandstone 25x15x7 ins.above ground,marked as described by the surveyor general.
	I destroy all marks on this cor.that pertain to T.2 N., R.5 W.,and mark it for T.1 N.,R.5 W. and mark bearing trees as follows:
	A pine 30 ins.diam.,bears S.26°E.,1.12 chs.dist., marked T.1 N. R 5 W S 3 B T.
	A pine 18 ins.diam.,bears S.42°W.,37 lks.dist., marked T 1 N R 5 W S 4 B T.
	Thence I run,N.89°37'W.with continuous measurement.
80.00	Set a trachyte stone,20x14x10 ins.,15 ins.in the ground, for cor.of secs.33 and 34,marked with 3 notches on E.and W.edges,from which
	A pine,15 ins.diam.,bears N.52°E.,71 lks.dist., marked T 2 N R 5 W S 34 B T.
	A pine,24 ins.diam.,bears N.5°W.,93 lks.dist., marked T 2 N R 5 W S 33 B T.
	Land,mountainous.
	Soil,rocky,3rd.and 4th.rate.
	Timber,pine on 10.50 chs.
	Mountainous land,dense undergrowth or heavily timbered on 80.00 chs.
	From the cor.of secs.33 and 34,I run N.89°37'W.,along S.bdy.of sec.33.
	Over rocky land,ascend abruptly through heavy pine timber.
17.30	Intersect 1/16 cor.,which is a sandstone 12x10x4 ins., above ground,marked as described by the surveyor general.
37.15	Intersect old ¼ sec.cor.,which is a sandstone 12x6x5 ins. above ground,marked as described by the surveyor general.

RESURVEY OF

SOUTH BDY.OF T.2 N.,R.5 W.

CHAINS	
	WI destroy all marks on this cor.that pertain to T.2 N., R.5 W.
40.00	Set a trachyte stone 15x10x8 ins.,10 ins.in the ground,for ¼ sec.cor.for sec.33,marked ¼ on N.face,and raise a mound of stone 2 ft.base,1½ ft.high,N.of cor.
	Pits impracticable.
57.15	Intersect 1/16 cor.,which is a sandstone 12x10x4 ins.above ground,marked as described by the surveyor general.
59.00	Top of ridge,500 ft.above the cor.of secs.33 and 34, bears N.W.and S.E.
	Begin abrupt descent.
68.00	Bottom of ravine,150 ft.deep,course S.E.
	Leave heavy timber,bears N.W.and S.E.
	Enter scattering young aspen and pine timber and dense laurel and service berry brush.
77.08	Intersect the cor.of secs.4-5-32 and 33,which is a sandstone 10x10x5 ins.above ground,marked as described by the surveyor general.
	WI destroy all marks on this cor.that pertain to T.2 N.,R.5 W.
	Thence I run,N.89°58'W. with continuous measurement.
80.00	Set a sandstone 16x10x8 ins.,11 ins.in the gound,for cor. of secs.32 and 33,marked with 4 notches on E.and 2 notches on W.edges,and raise a mound of stone,2 ft.base,1½ ft. high,N.of cor.
	Pits impracticable.
	Land,mountainous.
	Soil,rocky 3rd.rate.
	Timber,pine.
	Mountainous land,dense undergrowth or heavily timbered on 80.00 chs.

September 3,1903.

RESURVEY OF

South Bdy. of T. 2 N., R. 5 W.

Chains.	
	Sept. 4: From the cor. of secs. 32 and 33, I run N.89°58'W. along S. bdy. of sec. 32.
	Over rocky land, ascend through dense laurel, service berry brush, young aspen and pine timber, and dead and fallen timber.
10.50	Top of ridge bears N.W. and S.E. Descend.
13.25	Bottom of hollow, 100 ft. deep, course S.E. Ascend.
17.00	Intersect 1/16 cor., which is a sandstone, 11x10x4 ins. above ground, marked as described by the surveyor general,
23.00	Top of ridge bears N.W. and S.E. Descend.
32.50	Bottom of ravine, 300 ft. deep, course SE.
	Begin abrupt ascent.
36.83	Intersect old ¼ sec. cor., which is a sandstone 10x10x5 ins. above ground, marked as described by the surveyor general. I destroy all marks on the cor. that pertain to T. 2 N., R. 5 W.
40.00	Set a trachyte stone, 16x10x6 ins., 11 ins. in the ground, for ¼ sec. cor. for sec. 32, marked ¼ on N. face; and raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor. Pits impracticable.
56.75	Intersect 1/16 cor., which is a sandstone, 14x8x4 ins., above ground, marked as described by the surveyor general.
76.53	Intersect the cor. of secs. 5-6-31 and 32, which is a sandstone 12x10x5 ins. above ground, marked and witnessed as described by the surveyor general. I destroy all marks on this cor. that pertain to T. 2 N., R. 5W.
	Thence I run S.89°45'W. with continuous measurement.
80.00	Set a sandston. 15x8x6 ins., 10 ins. in the ground, for cor. of secs. 31 and 32, marked with 5 notches on the E. and 1 notch on the W. edge; and raise a mound of stone, 2 ft. base, 1½ ft. high N. of cor. Pits impracticable.
	Land mountainous.
	Soil rocky, third rate.
	Timber, aspen and pine.

Montainous land and dense undergrowth on 80.00 chs.

From the cor. of secs. 31 and 32, I run

S. 89°45' W. along S. bdy. of sec. 31.

Over rocky land, ascend abruptly through dense young aspen and pine timber and heavy dead and fallen timber.

6.00 Top of ridge, 300 ft. above sec. cor., bears N. and S. Descend.

7.00 Enter heavy pine timber, bearing N. and S.

14.75 Head of hollow, course N. Ascend.

16.51 Intersect 1/16 cor., which is a sandstone, 12x10x4 ins., above ground, marked as described by the surveyor general.

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

36.38 Intersect old ¼ sec. cor., wich is a sandstone, 11x4x6 ins. above ground, marked and witnessed as described by the surveyor general.

I destroy all marks on this cor., that pertain to T. 2 N., R. 5 W.

40.00 Set a trachyte stone, 15x10x6 ins., 10 ins. in the ground, for ¼ sec. cor., marked ¼ on N. face, and raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.

Pits impracticable.

47.00 Bottom of hollow, 100 ft. deep, course S.E.

Ascend.

56.35 Intersect 1/16 cor., which is a sandstone 12x10x4 ins. above ground, marked as described by the surveyor general.

76.28 The cor. of Tps. 1 and 2 N., R. 5 and 6 W. heretofore described.

Land mountainous.

Soil, rocky third rate.

Timber, aspen and pine.

Mountainous and heavily timbered land or dense undergrowth on 76.28 chs.

West Bdy. of T. 2 N., R. 5 W.

Chains.	
	As the length of the east bdy. of sec. 36 is 85.10 chs., the west bdy. of sec. 31 will be 86.90 chs., which is plus the southing of the south bdy. of the Tp. Fractional distance is put in the first mile, As the ¼ sec. and sec. cors. on the range line bet. Tps. 2 N., Rs. 5 and 6 W. will not be common to both townships. I run this line as the west bdy. of T. 2 N., R. 5 W., as follows:
	From the cor. of tps. 1 and 2 N., Rs. 5 and 6 W., heretofore described, I run
	North along W. bdy. of sec. 31.
	Descend over rocky land through heavy pine timber.
44.00	Bottom of ravine, 400 ft. deep, course E.
	Begin abrupt ascent.
46.90	Set a trachyte stone, 20x18x4 ins., 15 ins. in the ground, for ¼ sec. cor. for sec. 31, marked ¼ on E. face; from which
	An aspen, 5 ins. diam., bears N. 66°E., 40 lks. dist., marked ¼ S 31 B T;
	A pine, 10 ins. diam., bears S. 78°E., 48 lks. dist., marked ¼ S 31 B T.
60.00	Top of ridge bears E. and W.
	Begin abrupt descent.
66.00	Leave heavy pine timber, bearing E. and W. and enter young aspen and pine timber, and dead and fallen timber.
79.75	Bottom of ravine, 300 ft. deep, course S.E.
	Begin abrupt ascent.
86.90	Set a trachyte stone, 16x10x10 ins., 11 ins. in the ground, for cor. of secs. 30 and 31, marked with 1 notch on the S. and 5 notches on the N. edge; from which
	A pine, 6 ins. diam., bears N. 31°E., 82 lks. dist., marked T 2 N R 5 W S 30 B T.
	An aspen, 6 ins. diam., bears S. 30°E., 38 lks. dist., marked T 2 N R 5 W S 31 B T.
	Land mountainous.

Chains.	
	Soil,rocky;third rate.
	Timber,aspen and pine.
	Mountainous or heavily timbered land on 86.90 chs.
	North,along W. bdy.of secs.30.
	Ascend abruptly through dense young aspen and pine and dead and fallen timber.
3.00	Top of spur projects E.
	Begin abrupt descent.
33.10	Bottom of hollow,100 ft.deep,course N.E.
	Ascend.
40.00	Set a trachyte stone,16x9x6 ins.,11 ins.in the ground, for ¼ sec.cor.,for sec.30, [illegible] ;marked ¼ on E.face, from which
	An aspen,5 ins.diam.,bears N.22°E.,37 lks.dist., marked ¼ S 30 B T.
	An aspen,3 ins.diam.,bears S.48°E.,5 lks.dist., marked ¼ S 30 B T.
44.00	Top of spur projects S.E.
	Descend.
49.50	Bottom of hollow,100 ft.deep, [illegible] course S.E.
	Ascend.
53.75	Top of ridge bears N.W.and S.E.
	Begin abrupt descent.
80.00	Set a trachyte stone,18x10x10 ins.,13 ins.in the ground, for cor.of secs.19 and 30,marked with 2 notches on the S.and 4 notches on the N.edge;from which
	A pine,8 ins.diam.,bears N.60E.,16 lks.dist., marked T 2 N R 5 W S 19 B T.
	A pine,7 ins.diam.,bears S.41°E.,35 lks.dist., marked T 2 N R 5 W S 30 B T.
	Land,mountainous.
	Soil,rocky;third rate.
	Timber,aspen and pine.

Chains.

Mountainous or heavily timbered land on 80.00 chs.

Sept.4th,1903.

Sept.5th:

North along W. bdy.of sec .19.

Over rocky land descend through heavy aspen and pine timber.

14.00 Bottom of hollow,100 ft.deep,course E.

Ascend.

40.00 On top of ridge,bearing E.and W.

Set a trachyte stone,24x8x6 ins.,18 ins.in the ground, for ¼ sec.cor.,marked ¼ on E.face;from which

An aspen,3 ins.diam.,bears N.26°E.,17 lks.dist., marked ¼ S 19 B T.

An aspen,3 ins.diam.,bears S.9°E.,17 lks.dist., marked ¼ S 19 B T.

Descend.

80.00 Set a trachyte stone,16x12x5 ins.,11 ins.in the ground, for cor.of secs.18 and 19,marked with 3 notches on the S. and N.edges;from which

A pine,10 ins.diam.,bears N.50°E.,39 lks.dist., marked T 2 N R 5 W S 18 B T.

An aspen,3 ins.diam.,bears S.32°E.,57 l s.dist., marked T 2 N R 5 W S 19 B T.

This cor.is set 500 ft.below cor.of secs.19 and 30.

Land,mountainous.

Soil,rocky;third rate.

Timber,aspen and pine.

Mountainous or heavily timbered land on 80.00 chs.

North along W. bdy.of sec.18.

Descend through young aspen and pine,and dead and fallen timber.

81.50 Leave heavy timber,bearing E.and W.

Enter dense artemisia in bottom of canon,bearing E.and W.

Chains.	
40.00	Set a trachyte stone,18x10x6 ins.,12 ins.in the ground, for ¼ sec.cor.of sec .18,marked ¼ on E.face;and raise a mound of stone,2 ft.base,1½ ft.high E.of cor.
	Pits impracticable.
54.40	To south shore of lake,bearing E.and W.
	Point for triangulation.
	Set a trachyte stone,14x12x4 ins.,9 ins.in the ground, for meander cor.of fractional secs.13 and 18,with 4 grooves on the S.face,marked
	M C on N. face;from which
	A pine,24 ins.diam.,bears S.26°E.,21 lks.dist., marked T 2 N R 5 W S 18 M C B T.
	A pine,15 ins.diam.,bears S.70°W.,90 lks.dist., marked T 2 N R 6 W S 13 M C B T.
	To determine dist.across lake,I set a flag on line on north shore;then measure a base,W.,20.00 chs.to a point from which the flag bears N.41°15'E.;from the flag,the west end of the base bears S.41°15'W.;therefore the dist.is basextan.48°45',or 20.00x1.1402=22.80 chs.;which added to 54.40 chs.,makes
77.20	to north shore of lake,bearing N.and S.E.
	Set a trachyte stone,36x10x10 ins.,27 ins.in the ground, for meander cor.of fractional secs.12 and 18,with 3 grooves on the N.face;marked
	M C on S. face;from which
	A pine,24 ins.diam.,bears N.72°E.,49 lks.dist., marked T 2 N R 5 W S 18 M C B T.
	A pine,10 ins.diam.,bears N.26°W.,34 lks.dist., marked T 2 N R 6 W S 12 M C B T.
	Ascend along shore of lake,bearing N.and S.E.
80.00	Set a trachyte stone,18x12x4 ins.,12 ins.in the ground, for cor.of secs.7 and 18,marked with 4 notches on the S. and 2 notches on the N.edge;from which
	A pine,10 ins.diam.,bears N.2°E.,53 lks.dist., marked T 2 N R 5 W S 7 B T.

Chains.

West Boundary of T. 2 N., R. 5 W.

A pine,8 ins.diam.,bears S.66°E.,66 lks.dist.,
marked T 2 N R 5 W S 18 B T.

Land,mountainous.

Soil,rocky;third rate.

Timber,aspen and pine.

Mountainous or heavily timbered land or dense undergrowth on 57.20 chs.

North along W.bdy.of sec.7.

Along steep,broken west slope,ascend over rocky land through heavy pine timber.

40.00 Set a trachyte stone,18x15x12 ins.,12 ins.in the ground, for ¼ sec.cor.of sec.7,marked ¼ on E.face;from which

A pine,6 ins.diam.,bears N.7°E.,35 lks.dist.,
marked ¼ S 7 B T.

A pine,10 ins.diam.,bears S.59°E.,6 lks.dist.,
marked ¼ S 7 B T.

78.00 Top of spur projects S.W.

Descend.

80.00 Set a trachyte stone,20x12x4 ins.,15 ins.in the ground, for cor.of secs.6 and 7,marked with 5 notches on the S. and 1 notch on the N.edge;from which

A pine,15 ins.diam.,bears N.86°E.,36 lks.dist.,
marked T 2 N R 5 W S 6 B T.

A pine,30 ins.diam.,bears S.42°E.,18 lks.dist.,
marked T 2 N R 5 W S 7 B T.

Land,mountainous.

Soil,rocky;third rate.

Timber,pine.

Mountainous and heavily timbered land on 80.00 chs.

Sept.5,1903.

Sept:6:

North along W. bdy.of sec.6.

Chains	
	Descend over rocky land along broken, steep west slope, through heavy pine timber.
0.50	Bottom of hollow, 100 ft. deep, course S.W.
	Begin abrupt ascent.
40.00	Set a trachyte stone, 24x12x6 ins., 18 ins. in the ground, for ¼ sec. cor. of sec. 6, marked ¼ on E. face; from which
	A pine, 15 ins. diam., bears N.43°E., 25 lks. dist., marked ¼ S 6 B T.
	An aspen, 6 ins. diam., bears S.36°E., 22 lks. dist., marked ¼ S 6 B T.
80.00	Set a quartzite stone, 36x10x8 ins., 27 ins. in the ground, for cor. of Tps. 2 and 3 N., Rs. 5 and 6 W., marked
	3 N on N.E.,
	5 W on S.E.,
	2 N on S.W., and
	6 W on N.W. face; with 6 notches on each edge; from which
	A pine, 10 ins. diam., bears N.73°15'E., 23 lks. dist., marked T 3 N R 5 W S 31 B T.
	A pine, 20 ins. diam., bears S.2°E., 52 lks. dist., marked T 2 N R 5 W S 6 B T.
	A pine, 20 ins. diam., bears S.51°W., 70 lks. dist., marked T 2 N R 6 W S 1 B T.
	A pine, 10 ins. diam., bears N.11°30'W., 44 lks. dist., marked T 3 N R 6 W S 36 B T.
	Land, mountainous.
	Soil, rocky; third rate.
	Timber, pine.
	Mountainous and heavily timbered land on 80.00 chs.
	Sept. 6, 1903.

Chains.

Sept.6th: I begin at the cor.of Tps.2 and 3 N.,Rs.4 and 5 W.,on the First Guide Meridian West;approxomate latitude 40°36'46"N.,longitude 110°24'46"W.;at 8h 30m p.m. l.m.t.,observe Polaris at eastern elongation,in accordance with instructions in the Manual,and mark a point in the line thus determined,by a tack driven in a wooden peg set in the ground,5 chs.N.of the cor.

Sept.6th,1903.

Sept.7th: At 6h 30m,a.m.,I lay off the azimuth of Polaris 1°35' to the west,and mark the meridian thus determined by a cross on a stone,firmly set in the ground, west of the point established last night.

The magnetic bearing of the true meridian is N.16°43' W.,which gives the mag.decl.16°43'E.

From the Tp.cor.,I turn off an angle of 90° from north to west and run

West on a random line,along the north bdy.of the Tp., setting temp.¼ sec.and sec.cors.at intervals of 40.00 chs.;and,at 474.95 chs.,intersect the west bdy.of the Tp.,98 lks.S.of the cor.of Tps.2 and 3 N., Rs.5 and 6 W., heretofore described.;the falling answers to a correction of 0°07',or 16 lks.N.per mile,counting from the N.E.cor. of the Tp.;therefore I run

S.89°53'E.bet secs.6 and 31,marking and blazing true line.

Ascend abruptly over rocky land through heavy pine timber.

4.00 Top of abrupt ascent bears N.W.and S.E.

Leave rocky land and enter aspen timber.

Begin gradual ascent.

34.95 Set a sandstone,28x20x12 ins.,21 ins.in the ground, for ¼ sec.cor.,marked ¼ on N.face;from which

A pine,5 ins.diam.,bears N.2°15'W.,11 lks.dist., marked ¼ S 31 B T.

A pine,14 ins.diam.,bears S.10°W.,49 lks.dist.,

Chains.	
	marked ¼ S 6 B T.
74.95	Set a sandstone,18x6x5 ins.,12 ins.inthe ground, for.cor.of secs.5-6-31 and 32,marked with 1 notch on the W.and 5 notches on the E.edge;from which
	A pine,12 ins.diam.,bears N.75°15'E.,20 lks.dist., marked T 3 N R 5 W S 32 B T.
	A pine,20 ins.diam.,bears S.2°E.,52 lks.dist., marked T 2 N R 5 W S 5 B T.
	A pine,20 ins.diam.,bears S.51°15'W.,10 lks.dist., marked T 2 N R 5 W S 6 B T.
	A pine,10 ins.diam.,bears N.11°30'W.,44 lks.dist., marked T 3 N R 5 W S 31 B T.
	Land,mountainous.
	Soil,rocky;third rate.
	Timber,aspen and pine.
	Mountainous and heavily timbered land on 74.95 chs.
	Sept.7th,1903.

	Sept.8th-
	S.89°53'E.bet.secs.5 and 32.
	Ascend over rocky land through heavy aspen and pine timber.
17.50	Top of ridge bears N.and S.
	Descend.
40.00	Set a sandstone,14x10x6 ins.,9 ins.in the ground, for ¼ sec.cor.,marked ¼ on N.face,from which
	A pine,8 ins.diam.,bears N.2°W.,54 lks.dist., marked ¼ S 32 B T.
	A pine,20 ins.diam.,bears S.65°E.,19 lks.dist., marked ¼ S 5 B T.
51.00	Bottom of hollow,75 ft.deep,course S.E.
	Begin abrupt ascent.
52.50	Top of spur projects S.
	Begin abrupt descent.
55.00	Bottom of hollow,50 ft.deep,course S.E.

Chains.	
	Ascend.
70.00	Top of ridge bears N.and S.
	Descend.
80.00	Set a sandstone,18x12x5 ins.,12 ins.in the ground, for cor.of secs.4-5-32 and 33,marked with 2 notches on the W.and 4 notches on the E.edge;from which
	A pine,6 ins.diam.,bears N.84°E.,46 lks.dist., marked T 3 N R 5 W S33 B T.
	A pine,8 ins.diam.,bears S.58°E.,50 lks.dist., marked T 3 N R 5 W S 4 B T.
	A pine,12ins.diam.,bears S.59°W.,58 lks.dist., marked T 3 N R 5 W S 5 B T.
	A pine,11 ins.diam.,bears N.63°W.,26 lks.dist., marked T 3 N R 5 W S 32 B T.
	Land,mountainous.
	Soil,rocky;third rate.
	Timber aspen and pine.
	Mountainous and heavily timbered land on 80.00 chs.
	S.89°53'E.bet.secs.4 and 33.
	Descend over rocky land through heavy pine timber.
38.40	Creek,25 lks.wide,12 ins.deep,in bottom of hollow,100 ft. deep,course S. Begin abrupt ascent.
40.00	Set a sandstone,16x10x10 ins.,11 ins.in the ground, for ¼ sec.cor.,marked ¼ on N.face;from which
	A pine,10 ins.diam.,bears N.63°E.9 lks.dist., marked ¼ S 33 B T.
	A pine,8 ins.diam.,bears S.8°W.,8 lks.dist., marked ¼ S 4 B.T.
65.00	Top of abrupt ascent,bearing N.and S.
	Begin gradual ascent.
80.00	Set a sandstone,12x6x6 ins.,9 ins.in the ground, for cor.of secs.3-4-33 and 34,marked with 3 notches on the E.and W.edges;from which

Chains.

A pine, 12 ins. diam., bears N. 38° E., 29 lks. dist., marked T 3 N R. 5 W. S 34 B T.

A pine, 15 ins. diam., bears S. 45° E., 46 lks. dist., marked T 2 N R 5 W S. 3 B T.

A pine, 18 ins. diam., bears S. 28° W., 71 lks. dist., marked T 2 N R 5 W S 4 B T.

A pine, 14 ins. diam., bears N. 19° W., 76 lks. dist., marked T 3 N R 5 W S 33 B T.

Land, mountainous.

Soil, rocky; third rate.

Timber, pine.

Mountainous and heavily timbered land on 80.00 chs.

S. 89° 53' E. bet. secs. 3 and 34.

Ascend geadually through heavy pine timber.

40.00 Set a sandstone, 12x7x7 ins., 8 ins. in the ground, for ¼ sec. cor., marked ¼ on N. face; from which

A pine, 13 ins. diam., bears N. 28° E., 61 lks. dist., marked ¼ S 34 B T.

A pine, 16 ins. diam., bears S. 78° E., 23 lks. dist., marked ¼ S 3 B T.

54.00 Top of ridge bears N. and S.

Descend.

74.00 Leave heavy timber, bearing N. and S.

Enter dense artemisia.

80.00 Set a sandstone, 18x10x10 ins., 12 ins. in the ground, for cor. of secs. 2-3-34 and 35, marked with 4 notches on the W. and 3 notches on the E. edge; from which

A pine, 15 ins. diam., bears N. 51° E., 91 lks. dist., marked T. 3 N R. 5 W S 35 B T.

A pine, 18 ins. diam., bears S. 33° E., 65 lks. dist., marked T 2 N R 5 W S 2 B T.

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

Pits impracticable.

Land,mountainous.

Soil,rocky;third rate.

Timber,pine.

Mountainous or heavily timbered land or dense undergrowth on 80.00 chs.

Sept.8,1903.

Sept.9th:

S.89°53'E.bet.secs.2 and 35.

Descend through dense artemisia.

.50 Bottom of hollow,50 ft.deep,course S.

Ascend.

Enterheavy pine timber,bears N.and S.

18.00 Top of ridge,bears N.W.and S.E.

Descend.

40.00 Set a trachyte stone,24x16x14 ins.,18 ins.in the ground, for ¼ sec.cor.,marked ¼ on N.face,from which

A pine,12 ins.diam.,bears N.36°E.,22 lks.dist., marked ¼ S 35 B T.

A pine,14 ins.diam.,bears S.11°E.,27 lks.dist., marked ¼ S 2 B T.

80.00 Set a trachyte stone,18x14x12 ins.,18 ins.in the ground, for cor.of secs.1-2-35 and 36,marked with 1 notch on E. and 5 notches on W.edges,from which

A pine,12 ins.diam.,bears N.49°E.,49 lks.dist., marked T 3 N R 5 W S 36 B T.

A pine,15 ins.diam.,bears S.81°E.,33 lks.dist., marked T 3 N R 5 W S 1 B T.

A pine,12 ins.diam.,bears S.88°W.,95 lks.dist., marked T 3 N R 5 W S 2 B T.

A pine,18 ins.diam.,bears N.25°W.,52 lks.dist., marked T 3 N R 5 W S 35 B T.

This cor.is set 400 ft.below top of ridge.

Land,mountainous.

Soil,rocky,3rd.rate.

CHAINS	
	Timber,pine.
	Mountainous land and heavily timbered or dense undergrowth on 80.00 chs.
	S.89°53'E.bet.secs.1 and 36.
	Over rocky land,descend through heavy aspen and pine timber.
36.00	Enter heavy firekilled timber,bears N.and S.
40.00	Set a trachyte stone,30x12x10 ins.,15 ins.in the ground, for ¼ sec.cor.,marked ¼ on N.face,and raise a mound of stone,2 ft.base,1½ ft.high,N.of cor.
	Pits impracticable.
	All available bearing trees are fire killed.
66.50	Bottom of ravine,400 ft.below sec.cor.,course N.
	Ascend.
74.00	Top of spur,projects N.
	Descend.
77.00	Bottom of ravine,150 ft.deep,course N.
	Ascend.
80.00	The cor.of Tps.2 and 3 N.,Rs.4 and 5 W.,heretofore described.
	Land,mountainous.
	Soil,rocky,3rd.rate.
	Timber,live pine and aspen on 36.00 chs.
	fire killed timber on 44.00 chs.
	Mountainous land and heavily timbered on 80.00 chs.
	September 9,1903.

BOUNDARIES OF T.2 N.,R.5 W.

Latitudes,departures,and closing errors.

Line Designated	True Bearing	Distance	Latitudes N.	Latitudes S.	Departures E.	Departures W.
N.Bdy.of T.1N.R.5 W.		chs.	chs,	chs.	chs.	chs.
N.bdy.sec.1	S.88°43'W.	78.93		1.78		78.90
" " 2	S.89°17'W.	78.51		0.98		78.50
" " 3	N.89°34'W.	79.90	0.60			79.90
" " 4	N.89°37'W.	79.78	0.53			79.78
" " 5	N.89°58'W.	79.45	0.05			79.45
" " 6	S.89°45'W.	79.75		0.23		79.75
W.Bdy.of T.2 N.R.5 W.	North	486.90	486.90			
N.Bdy.of T.2 N.,R.5 W.	S.89°53'E.	474.95		0.98	474.95	
First Guide Meridian W.	South	485.10		485.10		
Convergency					0.62	
Totals			488.08	489.07	475.57	476.28
Error in lat.and dep.				488.08		475.57
				0.99		0.71

For general description,see subdivisions of T.2 N.,R.5 W.

Austin N. Vernace

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 Austin K. Tiernan, United States Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the resurvey of the S. Bdy and the N. Bdy of T 2 N R 5 W, Uintah Special Base and Meridian, showing the respective capacities in which they acted:

E. B. Andrews, Chainman.
F. L. Hurford, Chainman.
Robert Graham, Moundman.
, Moundman.
Chas. Wall, Axman.
R. L. Davidson, Axman.
Edward J. Little, Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted Austin K. Tiernan, United States Deputy Surveyor, in surveying all the parts or portions of the South Bdy and surveying N. and N. Bdys. T 2 N R 5 W, Uintah Special Base and Meridian, ~~of the~~ ~~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.

E. B. Andrews, Chainman.
F. L. Hurford, Chainman.
Robert Graham, Moundman.
, Moundman.
Chas. Wall, Axman.
R. L. Davidson, Axman.
Edward J. Little, Flagman.

Subscribed and sworn to before me this 9th day of Sept 1902, 189

SEAL

Austin K. Tiernan
U. S. Deputy Surveyor.

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, Austin K. Tiernan, 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 22nd 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 resurvey of the S. Bdy. survey of the W. and N. Bdys. of T. 2 N. R. 5 W.

of the Utah 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.

Austin K. Tiernan
United States Deputy Surveyor.

Subscribed by said Austin K. Tiernan, and sworn to before me this 2d day of March 1904, 189

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

SEAL

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, June 30, 1904

The foregoing field notes of the resurvey of the South Bdy. and West and North Boundaries of Township 2 North, Range 5 West, of the Utah Special Base & Meridian, Utah

executed by James L. Dickson and Austin K. Tiernan under his contract No. 272, dated July 22, 1903, 189, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the resurveys and surveys they describe, are hereby approved.

Edward H. Anderson
United States Surveyor General

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

United States Surveyor General

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BOOK A-309

FIELD NOTES

OF THE SURVEY OF THE

Subdivisions

of

Tp. 2 N. R. 5 W.

Of the Uintah Special Base and Meridian,

Utah

AS SURVEYED BY

James C. Dick and Austin K. Tiernan United States Deputy Surveyors

under ~~his~~ their Contract No. 272, dated July 22, 1903, ~~189~~

Survey commenced September 9, 1903 ~~189~~

Survey completed October 7, 1903 ~~189~~

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NAMES AND DUTIES OF ASSISTANTS.

E. B. Andrews, Chainman

F. L. Hurford, Chainman

Robert Graham, Rodman

Chas. Wall, Axman

R. L. Davidson, Axman

Edward J. Little, Flagman

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BOOK A-309

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PRELIMINARY OATHS OF ASSISTANTS.

WE, E. B. Andrews and F. L. Hurford

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, T 2 N R 5 W. Uintah Special Base and Meridian, Utah.

E. B. Andrews, Chainman.

F. L. Hurford, Chainman.

Subscribed and sworn to before me this 9th day of Sept. 1903, 189

Austin K. Tierman
U. S. Deputy Surv.

SEAL

~~WE,~~ I, Robert Graham ~~and~~

do solemnly swear that ~~we~~ I will well and truly perform the duties of moundman in the establishment of corners, according to the instructions given ~~us~~ me, to the best of ~~our~~ my skill and ability, in the survey of Subdivisions T 2 N R 5 W. Uintah Special Base and Meridian, Utah.

Robert Graham, Moundman.

, Moundman.

Subscribed and sworn to before me this 9th day of Sept. 1903, 189

Austin K. Tierman
U. S. Deputy Surv.

SEAL

WE, Chas. Wall and R. L. Davidson

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 T 2 N R 5 W. Uintah Special Base and Meridian, Utah.

Chas. Wall, Axman.

R. L. Davidson, Axman.

Subscribed and sworn to before me this 9th day of Sept. 1903, 189

Austin K. Tierman
U. S. Deputy Surv.

SEAL

I, Edward J. Little, 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 T 2 N R 5 W. Uintah Special Base Meridian, Utah

Edward J. Little, Flagman

Subscribed and sworn to before me this 9th day of Sept. 1903, 189

Austin K. Tierman
U. S. Deputy Surv.

SEAL

6—151

Chains. SUBDIVISIONS OF T.2 N., R. 5 W.

Survey commenced Sept. 9th, 1903, and executed with a Buff and Buff light mountain transit, No.2, without 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 arc.

The instrument was examined, tested on the true meridian at Salt Lake City, found correct and was approved by the surveyor general for Utah, August 20th, 1903.

I examine the adjustments of the transit, and correct the level and collimation errors; then to determine the true meridian by observations on Polaris, I proceed as follows:

At the cor. of secs. 25-30-31 and 36, heretofore described, on the First Guide Meridian West, latitude 40° 32' N. longitude 110° 34' 46" W.,

At 8h. 18m., p.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.

Sept. 9 1903.

Sept 10 h: At 6 a.m., I lay off the azimuth of Polaris, 1°35' to the west, and mark the meridian thus determined; by a tack driven in a wooden plug, which I set 5 chs. N. of the cor.

The magnetic bearing of the true meridian at 7 a.m., is 16°43' W.; the angle thud determined gives the mag. decl. 16°43' E.

The south boundary of the township being out of limits for course and distance; therefore I run a sectional correction line as follows:

I begin at the cor. of secs. 25-30-31 and 36 and turn off an angle of 90° from north to west and run

SUBDIVISIONS OF T.2 N., R.5 W.

Chains.	
	West on a sectional correction line
	Bet.secs.25 and 36.
	Over rocky land ascend through heavy aspen timber.
11.00	Top of rocky ridge bears N.and S.
	Begin abrupt descent.
	Enter heavy pine timber,bearing N.and S.
38.00	Spring Branch,2 lks.wide,in bottom of ravine,300 ft. deep,course S.
	Leave pine timber,bearing N.and S.
	Begin abrupt ascent.
40.00	Set a quartzite stone,16x10x8 ins.,11 ins.in the ground, for ¼ sec.cor.,marked ¼ on N.face;from which
	An aspen,3 ins.diam.,bears N.,11 lks.dist., marked ¼ S 25 B T.
	An aspen,5 ins.diam.,bears S.12°W.,50 lks.dist., marked ¼ S 36 B T.
42.00	Leave aspen timber,bearing N.W.and S.E.
	Enter dense artemisia.
53.50	Top of ridge bears N.E.and S.W.
	Begin abrupt descent.
60.50	Enter heavy aspen timber,bearing N.and S.
80.00	Set a trachyte stone,18x12x6 ins.,12 ins.in the ground, for cor.of secs.25-26-35 and 36,marked with 1 notch on the S.and E.edges;from which.
	An aspen,5 ins.diam.,bears N.51°E.,29 lks.dist., marked T 2 N R 5 W S 25 B T.
	An aspen,3 ins.diam.,bears S.35°E.,5 lks.dist., marked T 2 N R 5 W S 36 B T.
	An aspen,4 ins.diam.,bears S.56°W.,16 lks.dist., marked T 2 N R 5 W S 35 B T.
	An aspen,3 ins.diam.,bears N.37°W.,28 lks.dist., marked T 2 N R 5 W S 26 B T.
	Land,mountainous.
	Soil,rocky;third rate.
	Timber,aspen and pine.

Chains.	
	Mountainous or heavily timbered land or dense under-growth on 80.00 chs.
	West on a sectional correction line Bet.secs.26 and 35.
	Descend through heavy aspen timber.
15.50	Leave heavy timber,bearing N.and S.
17.00	Begin abrupt descent.
31.00	Bottom of ravine,400 ft.deep,course S.W.
	Begin abrupt ascent.
36.50	Top of ridge bears N.E.and S.W.
	Descend.
40.00	Set a trachyte stone,18x10x5 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.
	Pits impracticable.
46.00	Begin abrupt descent.
	Enter scattering pine timber.
53.00	Bottom of ravine,600 ft.deep,course S.W.
	Begin abrupt ascent.
60.00	Top of rocky spur projects S.W.
	Descend.
63.50	Perpendicular sandstone ledges,500 ft.high,bears N.and S.
	Leave timber.
72.00	Bottom of ravine,300 ft.deep,course S.W.
	Ascend.
80.00	Set a sandstone,18x12x4 ins.,12 ins.in the ground, for cor.of secs.26-27-34 and 35,marked with 1 notch on the S.and 2 notches on the E.edge;and raise a mound of stone,2 ft.base,1½ ft.high N.of cor.
	Pits impracticable.
	Land,mountainous.
	Soil,rocky;third rate.
	Timber,aspen and pine.
	Mountainous or heavily timbered land on 80.00 chs.

SUBDIVISIONS OF T. 2 N., R. 5 W.

Chains.

Sept. 10, 1903.

Sept. 11:

West on a sectional correction line

Bet. secs. 27 and 34.

Ascend abruptly over rocky land through dense oak, artemisia and service berry brush.

1.00 Top of spur projects S.W.

Descend.

8.05 Foot of abrupt descent bears N.W. and S.E.

Begin gradual descent in canon, along foot of sandstone breaks.

40.00 Set a sandstone, 18x12x12 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.

Pits impracticable.

80.00 Set a sandstone, 18x15x6 ins., 12 ins. in the ground, for cor. of secs. 27-28-33 and 34, marked with 3 notches on the E. and 1 notch on the S. edge; and raise a mound of stone, 2 ft. base, 1½ ft. high N. of cor.

Pits impracticable.

Land, mountainous.

Soil, rocky; third rate.

Timber, none.

Mountainous land and dense undergrowth on 80.00 chs.

West on a sectional correction line

Bet. secs. 28 and 33.

Over rocky land descend through dense artemisia.

17.00 Enter dense willow brush and undergrowth.

40.00 Set a trachyte stone, 20x10x10 ins., 15 ins. in the ground, for ¼ sec. cor., marked ¼ on N. face; and raise a mound of stone, 2 ft. base, 1½ ft. high N. of cor.

Pits impracticable.

40.50 West Fork of Lake Fork Creek, 40 lks. wide, course S.E.

Chains	
	Ascend.
71.00	Leave willow brush bearing N.W.and S.E.
	Enter dense artemisia.
74.00	Wagon road bears N.W.and S.E.
77.00	Enter heavy pine timber,bearing N.W.and S.E.
80.00	Set a sandstone, 16x10x10,11 ins.in the ground, for cor.of secs.28-29-32 and 33,marked with 4 notches on the E.and 1 notch on the S.edge;from which
	A pine,18 ins.diam.,bears N.76°E.,59 lks.dist., marked T 2 N R 5 W S 28 B T.
	A pine,6 ins.diam.,bears S.30°E.,61 lks.dist., marked T 2 N R 5 W S 33 B T.
	An aspen,6 ins.diam.,bears S.0°30'W.,68 lks.dist., marked T 2 N R 5 W S 32 B T.
	A pine,15 ins.diam.,bears W.39°W.,58 lks.dist., marked T 2 N R 5 W S 29 B T.
	Land,mountainous.
	Soil,rocky;third rate.
	Timber pine.
	Mountainous or heavily timbered land or dense under growth on 80.00 chs.
	West on a sectional correction line, Bet.secs.29 and 32.
	Ascend over rocky land through heavy aspen and pine timber.
40.00	Set a sandstone,18x14x9 ins.,13 ins.in the ground, for ¼ sec.cor.,marked ¼ on N.face;from which
	A pine,12 ins.diam.,bears N.7°E.,1.03 chs.dist., marked ¼ S 29 B T.
	A pine,15 ins.diam.,bears S.4°E.,19 lks.dist., marked ¼ S 32 B T.
66.00	Top of spur ,800 ft.above sec.cor.,projects N.E.

Chains.	
	Begin abrupt descent.
70.25	Bottom of ravine, 200 ft. deep, course N.E.
	Begin abrupt ascent.
75.25	Top of spur projects N.E.
	Begin abrupt descent.
	Enter fire killed timber, bearing N.E. and S.W.
80.00	Head of hollow, course N.E.
	Set a trachyte stone, 16x12x6 ins., 11 ins. in the ground, for cor. of secs. 29-30-31 and 32, marked with 5 notches on the E. and 1 notch on the S. edge; and raise a mound of stone, 3 ft. base, 1½ ft. high N. of cor.
	Pits impracticable.
	Land, mountainous.
	Soil, rocky; third rate.
	Timber, aspen and pine.
	Mountainous or heavily timbered land on 80.00 chs.
	West on random sectional correction line bet. secs. 30. and 31.
40.00	Set temp. ¼ sec. cor.
76.28	Intersect west bdy. of the Tp., 31 lks. S. of the cor. of secs. 30 and 31, heretofore described.
	Thence I run
	S. 89°51' E. on a true sectional correction line Bet. secs. 30 and 31.
	Descend over rocky land through scattering pine timber.
21.80	Bottom of ravine, 400 ft. deep, course N.E.
	Ascend.
36.28	Set a trachyte stone, 18x10x10 ins., 12 ins. in the ground, for ¼ sec. cor., marked ¼ on N. face; from which
	A pine, 30 ins. diam., bears N. 87° E., 1.40 chs. dist., marked ¼ S 30 B T.
	A pine, 15 ins. diam., bears S. 66° E., 77 lks. dist., m marked ¼ S 31 B T.
50.30	Top of ridge bears N.E. and S.W.

SUBDIVISIONS OF T. 2 N. R. 5 W.

Chains.	
	Leave scattering pine timber,and enter fire killed pine and live young aspen timber.
	Begin abrupt descent.
66.60	Bottom of ravine,200 ft.deep,course N.E.
	Begin abrupt ascent.
70.80	Top of ridge bears N.E.and S.W.
	Begin abrupt descent.
76.28	The cor.of secs.29-30-31-32.
	Land,mountainous.
	Soil,rocky;third rate.
	Timber,aspen and pine.
	Mountainous or heavily timbered land on 76.28 chs.
	Sept.11th,1903.
	Sept.12;1903.
	From the cor.of secs.25-26-35 and 36,on the sectional correction line, I run
	S.0°01'E.on a random line bet.secs.35 and 36.
40.00	Set temp.¼ sec.cor.
87.00	Intersect south bly.of the Tp.,9 lks.east of the cor.of secs.35 and 36,heretofore described.
	Thence I run
	N.0°03'E.on a true line
	Bet.secs.35 and 36.
	Over rocky land,descend through dense artemisia and service berry brush.
4.50	Bottom of hollow,50 ft.deep,course W.
	Ascend.
47.00	Set a trachyte stone,24 x12x8 ins.,18 ins.in the ground, for ¼ sec.cor.,marked ¼ on W.face;from which
	An aspen,4 ins.diam.,bears N.1°E.,1.96 chs.dist., marked ¼ S 36 B T.
	An aspen,4 ins.diam.,bears N.4°W.,1.66 chs.dist., marked ¼ S 35 B T.
48.70	Enter heavy aspen timber,bearing N.E.and S.W.

Chains.	
87.00	The cor.of secs.25-26-35 and 36.
	Land,mountainous.
	Soil,rocky;third rate.
	Timber aspen.
	Mountainous or heavily timbered land on 87.00 chs.
	Begin at the cor.of secs.25-26-35 and 36,on the sectional correction line and run
	N.0°01'W.bet.secs.25 and 26.
	Ascend abruptly over rocky land through heavy aspen timber,
40.00	Set a trachyte stone,16x8x8 ins.,11 ins.in the ground, for ¼ sec.cor.,marked ¼ on W.face;from which
	An aspen,8 ins.diam.,bears S.54°E.,13 lks.dist., marked ¼ S 25 B T.
	An aspen,5 ins.diam.,bears S.88°W.,10 lks.dist., marked ¼ S 26 B T.
49.00	Enter heavy pine timber,bearing N.W.and S.E.
56.00	Top of spur projects W.
	Begin abrupt descent.
62.50	Bottom of hollow,100 ft.deep,course W.
	Begin abrupt ascent along steep west slope.
80.00	Set a trachyte stone,18x10x6 ins.,12 ins.in the ground, for.cor.of secs.23-24-25 and 26,marked with 2 notches on the S.and 1 notch on the E.edge;from which
	A pine,10 ins.diam.,bears N.44°E.,5 lks.dist., marked T 2 N R 5 W S 24 B T.
	A pine,15 ins.diam.,bears S.8°E.,21 lks.dist., marked T 2 N R 5 W S 25 B T.
	An aspen,8 ins.diam.,bears S.15°W.,39 lks.dist., marked T 2 N R 5 W S 26 B T.
	A pine,15 ins.diam.,bears N.61°W.,11 lks.dist., marked T 2 N R 5 W S 23 B T.
	Land,mountainous.
	Soil,rocky;third rate.

Chains.	
	Timber, aspen and pine.
	Mountainous and heavily timbered land on 80.00 chs.
	Sept. 12th:
	E. on a random line bet. secs. 24 and 25.
40.00	Set temp. ¼ sec. cor.
80.30	Intersect the First Guide Meridian West, 19 lks. N. of the cor. of secs. 19-24-25 and 30, heretofore described. Thence I run
	N. 89°52' W. on a true line,
	Bet. secs. 24 and 25.
	Over rocky land, descend abruptly through heavy pine and aspen timber.
8.75	Bottom of ravine, 200 ft. deep, course S.W.
	Begin abrupt ascent.
23.00	Top of ridge bears N.E. and S.W.
	Begin abrupt descent.
40.15	Set a trachyte stone, 16x12x4 ins., 11 ins. in the ground, for ¼ sec. cor., marked ¼ on N. face; from which
	A pine, 8 ins. diam., bears N. 61° E., 7 lks. dist., marked ¼ S 24 B T,
	A pine, 8 ins. diam., bears S. 49° W., 41 lks. dist., marked ¼ S 25 B T.
80.30	The cor. of secs. 23-24-25-26.
	Land, mountainous.
	Soil, rocky; third rate. Timber aspen and pine.
	Mountainous and heavily timbered land on 80.30 chs.
	N. 0°01' W. bet. secs. 23 and 24.
	Ascend abruptly through heavy aspen and pine timber.
40.00	Set a trachyte stone, 18x12x4 ins., 12 ins. in the ground, for ¼ sec. cor., marked ¼ on W. face; from which
	A pine, 12 ins. diam., bears S. 77° E., 61 lks. dist.,
	n

Chains.

marked ¼ S 24 B T.

A pine,15 ins.diam.,bears S.34°W.,21 lks.dist.,

marked ¼ S 23 B T.

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

Descend.

69.00 Head of hollow,course S.W.

Ascend.

73.00 Leave heavy timber,bearing N.W.and S.E.

80.00 Set a trachyte stone,15x9x8 ins.,10 ins.in the ground, for cor.of secs.13-14-23 and 24,marked with 3 notches on the S.and 1 notch on the E.edge;and raise a mound of stone,2 ft.base,1½ ft.high W.of cor.

Pits impracticable.

Land,mountainous.

Soil,rocky third rate.

Timber aspen and pine.

Mountainous and heavily timbered land on 80.00 chs.

S.89°52'E.on a random line bet.secs.13 and 24.

40.00 Set temp.¼ sec.cor.

80.14 Intersect First Guide Meridian West12 lks.N.of the cor. of secs.13-18-19 and 24,heretofore described.

Thence I run

N.89°47'W.on a true line

Bet.secs.13 and 24.

Ascend abruptly over rocky land through heavy pine timber.

40.07 Set a trachyte stone,18x8x8 ins.,12 ins.in the ground, for ¼ sec.cor.,marked ¼ on N.face;from which

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

marked ¼ S 13)B T.

A pine,12 ins.diam.,bears S.32°W.,16 lks.dist.,

marked ¼ S 24 B T.

43.00 Leave heavy timber,bearing N.W.and S.E.

Enter scattering pine timber.

Chains.	
60.00	Top of ridge bears N.W.and S.E.
	Descend.
75.00	Leave timber.
80.14	The cor.of secs.13-14-23 and 24.
	Land,mountainous.
	Soil,rocky;third rate.
	Timber,pine.
	Mountainous or heavily timbered land on 80.14 chs.
	Sept.12,1903.
	Sept.13th:
	N.0°01'W.bet.secs.13 and 14.
	Ascend over rocky land.
9.00	Top of ridge bears N.W.and S.E.
	Enter scattering pine timber.
	Descend.
32.00	Head of hollow,course N.W.
40.00	Set a trachyte stone,18x15x5 ins.,12 ins.in the ground, for ¼ sec.cor.,marked ¼ on W.face;from which
	A pine,10 ins.diam.,bears N.20°E.,42 lks.dist., marked ¼ S 13 B T.
	A pine,8 ins.diam.,bears S.65°W.,50 lks.dist., marked ¼ S 14 B T.
54.00	Top of ridge bears N.W.and S.E.
	Descend.
	Leave scattering timber.
80.00	Set a trachyte stone,18x10x10 ins.,12 ins.in the ground, for cor.of secs.11-12-13 and 14,marked with 4 notches on the S.and 1 notch on the E.edge;and raise a mound of stone,2 ft.base,1½ ft.high,W.of cor.
	Pits impracticable.
	Land,mountainous.
	Soil,rocky;third rate.
	Timber,pine.
	Mountainous land on 80.00 chs.

Chains	
	S.89°47'E.on a random line bet.secs.12 and 13.
40.00	Set temp.¼ sec.cor.
80.04	Intersect the First Guide Meridian West,7.1ks.S.of the cor.of secs.7-12-13 and 18,heretofore described.
	Thence I run
	N.89°50'W.on a true line
	Bet.secs.12 and 13.
	Over rocky land ascend through heavy aspen and pine timber.
40.02	Set a trachyte stone,18x12x10 ins.,12 ins.in the ground, for ¼ sec.cor.,marked ¼ on N.face;from which
	An aspen5 ins.diam.,bears N.11°E.,14 lks.dist., marked ¼ S 12 B T.
	An aspen 5ins.diam.,bears S.28°W.,17 lks.dist., marked ¼ S 13 B T.
75.50	Leave heavy timber,bearing N.W.and S.E.
80.04	The cor.of secs.11-12-13 and 14.
	Land,mountainous.
	Soil,rocky;third rate.
	Timber,aspen;and pine.
	Mountainous or heavily timbered land on 80.04 chs.
	Sept.13th,1903.
	Sept.14th:
	N.0°01'W.bet.secs.11 and 12.
	Descend over rocky land.
13.00	Enter heavy pine timber,bearing N.W.and S.E.
32.00	Enter fire killed and scattering live pine timber.
40.00	Set a trachyte stone,16x12x4 ins.,11 ins.in the ground, for ¼ sec.cor.,marked ¼ on W.face;from which
	A pine,6 ins.diam.,bears N.51°E.,94 lks.dist., marked ¼ S 12 B T.
	A pine,12 ins.diam.,bears N.49°W.,1.66 chs.dist., marked ¼ S 11 B T.
53.00	Spring branch,2 lks.wide,in bottom of ravine,300 ft.deep,

Chains.	
	course S.E.
	Enter heavy aspen timber,bearing E.and W.
	Begin abrupt ascent.
80.00	Set a trachyte stone,18x12x8 ins.,12 ins.in the ground, for cor.of secs.1-2-11 and 12,marked with 5 notches on the S.and 1 notch on the E.edge;from which
	An aspen,8 ins.diam.,bears N.16°E.,30 lks.dist., marked T 2 N R 5 W S 1 B T.
	An aspen,6 ins.diam.,bears S.65°E.,23 lks.dist., marked T 2 N R 5 S 12 B T.
	An aspen,5 ins.diam.,bears S.49°W.,77 lks.dist., marked T 2 N R 5 W S 11 B T.
	An aspen 5ins.diam.,bears N.23°W.,22 lks.dist., marked T 2 N R 5 W S 2 B T.
	Land,mountainous.
	Soil,rocky;third rate.
	Timber aspen and pine.
	Mountainous or heavily timbered land on 80.00 chs.
	S.89°50'E.on a random line bet.secs.1 and 12.
40.00	Set temp.¼ sec.cor.
80.12	Intersect the First Guide Meridian West,3 lks.N.of the cor.of secs.1-6-7-12.
	Thence I run
	N.89°49'W.on a true line
	Bet.secs.1 and 12.
	Descend over rocky land through heavy pine timber.
11.00	Bottom of ravine,200 ft.deep,course S.E.
	Begin abrupt ascent.
37.00	Top of ridge bears N.W.and S.E.
	Leave heavy timber,and enter heavy fire killed pine timber.
	Begin abrupt descent.
40.06	Set a trachyte stone,16x10x5 ins.,11 ins.in the ground, for ¼ sec.cor.,marked ¼ on N.face;and raise a mound

SUBDIVISIONS OF T. 2 N., R. 5 W.

Chains.	
	of stone,2 ft.base,1½ ft.high N.of cor.
	Pits impracticable.
80.12	The cor.of secs.1-2-11 and 12:
	Land,mountainous:
	Soil,rocky;third rate.
	Timber,pine.
	Mountainous or heavily timbered land on 80.12 chs.
	N.0°01'W.on a random line bet.secs.1 and 2.
40.00	Set temp.¼ sec.cor.
79.59	Intersect the N.bdy.of Tp.,12 lks.W.of the cor.of secs. 1-2-35 and 36, heretofore described.
	Thence I run S.0°04'W.on a true line Bet.secs.1 and 2.
	Over rocky land ascend through heavy pine timber.
39.59	Set a trachyte stone,18x12x6 ins.,12 ins.in the ground, for ¼ sec.cor.,marked ¼ on W.face;from which
	A pine,15 ins.diam.,bears S.53°E.,9 lks.dist., marked ¼ S 1 B T.
	A pine,12 ins.diam.,bears N.58°W.,31 lks.dist., marked ¼ S 2 B T.
46.00	Enter fire killed pine timber,bearing N.W. and S.E.
53.00	Top of ridge bears N.W.and S.E.
	Begin abrupt descent.
79.59	The cor.of secs.1-2-11 and 12.
	Land,mountainous.
	Soil,rocky;third rate.
	Timber,pine.
	Mountainous or heavily timbered land on 79.59 chs.
	Sept.14th,1903.
	Sept.15th:

SUBDIVISIONS OF T. 2 N., R 5 W

Chains.	
	From the cor.of secs.26-27-34 and 35,on the sectional correction line,I run
	S.0°02'E.on a random line bet.secs.34 and 35.
40.00	Set temp.¼ sec.cor.
87.90	Intersect south bdy.of the Tp.,3 lks.E.of the cor.of secs.34 and 35,heretofore described.
	Thence I run
	N.0°01'W.on a true line
	Bet.secs.34 and 35.
	Descend abruptly over sandstone ledges.
6.00	Foot of sandstone ledges,400 ft.below sec.cor.,bears N.W.and S.E. Enter bottom of canon.
13.00	Enter dense willow brush,bearing N.W.and S.E.
19.60	West Fork of Lake Fork Creek,75 lks.wide,course S.E .
31.00	Leave willow brush,bearing N.W.and S.E.
47.90	Set a sandstone,18x8x6 ins.,12 ins.in the ground, for ¼ sec.cor.,marked ¼ on W.face;and raise a mound of stone,2 ft.base,1½ ft.high W.of cor.
	Pits impracticable.
56.00	Spring branch,2 lks.wide,course S.W.
77.50	Begin abrupt ascent,from bottom of canon,bearing N.W. and S.E.
87.90	The cor.of secs.26-27-34 and 35.
	Land ,mountainous.
	Soil,rocky;third rate.
	No timber.
	Mountainous land or dense undergrowth on 87.90 chs.
	N.0°02'W.bet.secs.26 and 27.
	Ascend over rocky land through scattering pine and dense oak brush.
1.00	Top of ridge bears N.E.and S.W.
	Descend.
15.50	Mouth of ravine from the N.E.
	Begin abrupt ascent through dense mahogany brush.

Chains.	
40.00	Set a sandstone,18x12x4 ins.,12 ins.in the ground,for $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on W.face;and raise a mound of stone,2 ft.base,$1\frac{1}{2}$ ft.high,W. of cor.
	Pits impracticable.
48.00	Leave mahogany brush and scattering pine timber.
70.50	Top of ridge bears N.E.and S.W.
	Enter heavy fire killed timber,bearing N.E.and S.W.
	Descend along steep west slope.
80.00	Set a trachyte stone,18x10x6 ins.,12 ins.in the ground, for cor.of secs.22-23-26 and 27,marked with 2 notches on the S.and E. edge;and raise a mound of stone ,2 ft. base,$1\frac{1}{2}$ ft.high W.of cor.
	Pits impracticable .
	Land,mountainous.
	Soil rocky;third rate.
	Timber,pine.
	Mountainous or heavily timbered land or dense under-growth on 80.00 chs.
	Sept.15th,1903.

	Sept.16th:
	E.on a random line bet.secs.23 and 26.
40.00	Set temp .$\frac{1}{4}$ sec.cor.
79.84	Intersect N.and S.line,19 lks.N.of the cor.of secs. 23-24-25 and 26.
	Thence I run
	N.89°52'W.on a true line
	Bet.secs.23 and 26.
	Over rocky land.descend abruptly through heavy aspen and pine timber.
3.25	Bottom of ravine,150 ft.deep,course S.
	Begin abrupt ascent.
21.00	Top of ridge bears N.and S.
	Begin abrupt descent.
28.00	Leave heavy timber,bearing N.W.and S.E.

SUBDIVISIONS OF T. 2 N., R. 5 W.

Chains.	
39.92	Set a trachyte stone,15x12x4 ins.,10 ins.in the ground, for ¼ sec.cor.,marked ¼ on N.face;from which
	An aspen,4 ins.diam.,bears N.3°E.,41.1lks.dist.,
	marked ¼ S 23 B T.
	No other trees within limits;and raise a mound of stone,
	2 ft.base,1½ ft.high N.of.cor.
	Pits impracticable.
43.00	Enter heavy aspen and pine timber,bearing N.E.and S.W.
58.00	Bottom of ravine,200 ft.deep,course S.W.
	Begin abrupt ascent.
	Leave heavy timber,bearing N.E.and S.W.
74.00	Top of ridge bears N.E.and S.W.
	Begin abrupt descent.
	Enter heavy fire killed timber,bearing N.E.and S.W.
79.84	The cor.of secs.22-23-26 and 27.
	Land,mountainous.
	Soil,rocky;third rate.
	Timber,aspen and pine.
	Mountainous or heavily timbered land on 79.84 chs.
	N.0° 02'W.bet.secs.22 and 23.
	Descend over steep west slope through heavy fire killed pine timber.
12.00	Bottom of hollow,100 ft.deep,course W.
	Begin abrupt ascent.
17.00	Top of spur projects W.
	Begin abrupt descent.
38.00	Bottom of ravine,250 ft.deep,course S.W.
	Begin abrupt ascent.
40,00	Set a sandstone,18x10x5 ins.,13 ins .in the ground, for ¼ sec.cor.,marked ¼ on W.face;and raise a mound of stone,2 ft.base,1½ ft.high W.of cor.
	Pits impracticable.
63.50	Enter heavy aspen timber,bearing E.and W.
72.25	Top of ridge bears N.E.and S.W.
	Begin abrupt descent.

SUBDIVISIONS OF T. 2 N. R. 5 W.

Chains.	
80.00	Set a quartzite stone,14x10x6 ins.,9 ins.in the ground, for cor.of secs.14-15-22 and 23,marked with 3 notches on the S.and 2 notches on the E.edge;from which
	An aspen,5 ins.diam.,bears N.38°E.,11 lks.dist., marked T 2 N R 5 W S 14 B T.
	An aspen,5 ins.diam.,bears S.23°E.,16 lks.dist., marked T 2 N R 5 W S 23 B T.
	An aspen,4 ins.diam.,bears S.45°W.,8 lks.dist., marked T 2 N R 5 W S 22 B T.
	An aspen,6 ins.diam.,bears N.31°W.,10 lks.dist., marked T 2 N R 5 W S 15 B T.
	Land,mountainous.
	Soil,rocky;third rate.
	Timber,aspen.
	Mountainous or heavily timbered land on 80.00 chs.
	Sept.16th,1903.
	Sept.17th: S.89°52'E.on a random line bet.secs.14 and 23.
40.00	Set temp.¼ sec.cor.
80.12	Intersect N.and S.line,5 lks.S.of the cor.of secs. 13-14-23 and 24.
	Thence I run
	N.89°54'W.on a true line
	Bet.secs.14 and 23.
	Descend over rocky land.
6.00	Enter heavy pine timber,bearing N,W.and S.E.
39.00	Enter heavy fire killed pine timber,bearing N.and S.
40.06	Set a trachyte stone,24x12x4 ins.,12 ins.in the ground, for ¼ sec.cor.,marked ¼ on N.face;from which
	A pine,24 ins.diam.,bears N.86°E.,1.14 chs,dist., marked ¼ S 14 B T.
	A pine,24 ins.diam.,bears S.89°E.,1.22 chs.dist., marked ¼ S 23 B T.
59.00	Bottom of hollow,50 ft.deep,course S.
	Ascend.

SUBDIVISIONS OF T. 2 N., R. 5 W.

Chains.

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

Begin abrupt descent.

80.12 The cor.of secs.14-15-22 and 23:

Land mountainous.

Soil,rocky;third rate.

Timber,pine.

Mountainous or heavily timbered land on 80.12 chs.

N.0° 02'W.bet.secs.14 and 15.

Descend abruptly through heavy aspen and pine timber.

10.50 Bottom of ravine,200 ft.deep,course S.W:

Begin abrupt ascent:

29.50 Top of spur projects S.W.

Begin abrupt descent.

40.00 Set a quartzite stone,15x10x10 ins.,10 ins.in the ground, for ¼ sec.cor.,marked ¼ on W.face;from which

A pine,8 ins.diam.,bears N.69°W.,13 lks.dist., marked ¼ S 15 B T.

An aspen,5 ins.diam.,bears S.86°E.,34 lks.dist., marked ¼ S 14 B T.

43.50 Bottom of ravine,250 ft.deep,course S.W.

Begin abrupt ascent.

73.00 Top of spur projects E.

Descend.

77.00 Bottom of hollow,100 ft.deep,course E.

Ascend.

80.00 Set a limestone,18x8x5 ins.,12 ins.in the ground,for cor.of secs.10-11-14 and 15,marked with 4 notches on the S.and 2 notches on the E.edge;from which

An aspen,8 ins.diam.,bears S.83°E.,83 lks.dist., marked T 2 N R 5 S 14 B T.

An aspen,6 ins.diam.,bears N.63°E.,79 lks.dist., marked T 2 N R 5 S 11 B T.

A pine,7 ins.diam.,bears S.45°W.,1.03 chs.dist., marked T 2 N R 5 W S 15 B T.

Chains.	
	A pine, 6 ins.diam.,bears N.50°W.,97 lks.dist.,
	marked T 2 N R 5 W S 10 B T.
	Land,mountainous.
	Soil,rocky;third rate.
	Timber,aspen and pine.
	Mountainous and heavily timbered land on 80.00 chs.
	Sept.17th,1903.

	Sept.18th:
	S.89°54'E.on a random line bet.secs.11 and 14.
40.00	Set temp.¼ sec.cor.
79.92	Intersect N.and S.line,9 lks.S.of the cor.of secs.
	11-12-13 and 14.
	Thence I run
	N.89°58'W.on a true line
	Bet.secs.11 and 14.
	Ascend over rocky land.
4.00	Top of ridge bears N.W.and S.
	Descend.
8.00	Enter heavy pine timber,bearing N.W.and S.E.
12.00	Enter fire killed timber,and scattering live pine.,
	bearing N.and S.
38.00	Bottom of ravine,150 ft.deep,course S.W.
	Begin abrupt ascent.
39.96	Set atrachyte stone,18x12x6 ins.,12 ins.in the ground,
	for ¼ sec.cor.,marked ¼ on N.face;from which
	A pine,5 ins.diam.,bears N.29°W.,65 lks.dist.,
	marked ¼ S 11 B T.
	A pine,15 ins.diam.,bears S.29°W.,40 lks.dist.,
	marked ¼ S 14 B T.
60.00	Top of rocky spur projects S.
	Descend.
70.00	Head of hollow,course S.
	Ascend.
79.92	The cor.of secs.10-11-14 and 15.

SUBDIVISIONS OF T. 2 N. R. 5 W.

Chains.	
	Land, mountainous.
	Soil, rocky; third rate.
	Timber, pine.
	Mountainous or heavily timbered land on 79.92 chs.
	N.0° 02'W. bet. secs. 10 and 11.
	Over rocky land, ascend through heavy aspen and pine timber.
8.50	Top of ridge bears E. and W.
	Leave heavy timber, bearing E. and W.
	Descend.
29.50	Enter heavy pine timber, bearing N.W. and S.E.
40.00	Set a trachyte stone, 18x10x6 ins., 12 ins. in the ground, for ¼ sec. cor., marked ¼ on W. face; from which
	A pine, 18 ins. diam., bears N.60°E., 1.10 chs. dist., marked ¼ S 11 B T.
	A pine, 12 ins. diam., bears N.53°W., 42 lks. dist., marked ¼ S 10 B T.
77.00	Leave heavy aspen timber, bearing N.W. and S.E.
	Enter dense willow brush.
80.00	Set a trachyte stone, 20x12x5 ins., 15 ins. in the ground, for cor. of secs. 2-3-10 and 11, marked with 5 notches on the S. and 2 notches on the W. edge; from which
	A pine, 10 ins. diam., bears N.40°E., 1.48 chs. dist., marked T 2 N R 5 W S 2 B T.
	A pine, 6 ins. diam., bears S.1°E., 2.37 lks. dist., marked T 2 N R 5 W S 11 B T.
	A pine, 6 ins. diam., bears S.26°W., 1.48 chs. dist., marked T 2 N R 5 W S 10 B T.
	A pine, 12 ins. diam., bears N.6°W., 1.68 chs. dist., marked T 2 N R 5 W S 3 B T.
	Land, mountainous.
	Soil, rocky; third rate.
	Timber, aspen and pine.
	Mountainous or heavily timbered land on 80.00 chs.

Chains.

Sept.18th,1903.

Sept.19th:

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

40.00 Set temp.¼ sec.cor.

80.12 Intersect N.and S.line,33 lks.N.of the cor.of secs. 1-2-11and 12.

Thence I run

N.89°48'W.on a true line

Bet.secs.2 and 11.

Over steep rocky south slope,descend through heavy fire killed aspen and pine timber.

24.50 Enter heavy pine and aspen timber,bearing N.W.and S.E.

40.06 Set a trachyte stone,18x9x7 ins.,12 ins.in the ground, for ¼ sec.cor.,marked ¼ on N.face;from which

A pine,12 ins.diam.,bears N.66°W.,7 lks.dist., marked ¼ S 2 B T.

A pine,12 ins.diam.,bears S.74°E.,27 lks.dist., marked ¼ S 11 B T.

59.00 Leave heavy timber,bearing N.W.and S.E.

Enter dense willow brush.

63.75 Spring branch,3 lks.wide,in bottom of ravine,150 ft.deep, course S.E.

Ascend.

80.12 The cor.of secs.2-3-10 and 11.

Land,mountainous.

Soil,rocky;third rate.

Timber,aspen and pine.

Mountainous or heavily timbered land on 80.12 chs.

N.0°02'W.on a random line bet.secs.2 and 3.

40.00 Set temp.¼ sec.cor.

79.40 Intersect north bdy.of the Tp.,19 lks.W.of the cor.of secs.2-3-34 and 35,heretofore described.

Chains.

Thence I run

S.0°06'W.on a true line,

Bet.secs.2 and 3.

Descend.

10.00 Enter heavy pine timber,bearing N.E.and S.W.

39.40 Set a trachyte stone,18x10x5 ins.,12 ins.in the ground, for ¼ sec.cor.,marked ¼ on W.face;from which

A pine,12 ins.diam.,bears N.3°E.,22 lks.dist., marked ¼ S 2 B T.

A pine,5 ins.diam.,bears N.45°W.,20 lks.dist., marked ¼ S 3 B T.

54.00 Leave heavy pine timber,bearing N.W.and S.E.

Enter scattering pine timber,and dense willow brush.

65.00 Bottom of ravine,150 ft.deep,course S.E.

Ascend.

73.00 Descend.

75.00 Spring branch,2 lks.wide,course E.

Ascend.

79.40 The cor.of secs.2-3-10 and 11.

Land mountainous. Soil,rocky;third rate.

Timber,pine.

Mountainous or heavily timbered land or dense undergrowth on 79.40 chs.

Sept.19,1903.

Sept.20th: From the cor.of secs.27-28-33 and 34,on the sectional correction line, I run

S.0°03'E.on a random line bet.secs.33 and 34.

11.37 To north margin of marsh.

Marsh is impassable.

Point for triangulation.

40.00 Point for temp.¼ sec.cor.falls in marsh.

To determine distance across marsh, I set a flag on line on south margin of marsh; then measure a base N.89°58'E.,45.00 chs.to a point from which the flag

Chai.	
	bears S.47°28'W.; from the flag the east end of the base bears N.47°28'E.; therefore the dist.is tan.42°30'x base,or 0.9163x45.00 chs.,which added to 11.37 chs., makes
52.60	To south margin of marsh.
87.35	Intersect the south bdy.of the Tp.,3 lks.W.of the cor. of secs.33 and 34.
	Thence I run
	N.0°03'W.on a true line
	Bet.secs.33 and 34.
	Descend over rocky land through heavy pine timber.
11.00	Leave heavy timber,bearing N.W.and S.E.
	Enter dense artemisia and service berry brush.
34.00	Wagon road bears E.and W.
34.75	Set a quartzite stone,18x8x5 ins.,12 ins.in the ground, for witness cor.to ¼ sec.cor.,marked W C ¼ on W.face; and raise a mound of stone 2 ft.base,1½ ft.high W.of cor. Pits impracticable. South margin of marsh,bearing E.& W.
47.35	Point for ¼ sec.cor.falls in marsh;cannot set.
75.98	North margin of marsh,bearing E.and W.
	Marsh runs N.W.,about 35.00 chs.;S.E.,about 40.00 chs.
	Area,about 200 acres. Ascend.
87.35	The corof secs.27-28-33 and 34.
	Land,mountainous.
	Soil,rocky;third rate.
	Timber,pine.
	Mountainous or heavily timbered land or dense under growth on 87.35 chs.
	At this cor.,at 7h 35m p.m.,l.m.t.,I observe Polaris at eastern elongation,in accordance with instructions in tthe Manual,and mark the point in the line thus determined,by a tack driven in a wooden peg,set in the ground,5 chs.N.of my Station.
	Sept.20th,1903.

Sept.31st:At 6h 30m,a.m.,l.m.t.,I lay off the azimuth of Polaris,1°35'to the west,and mark the meridian thus determined,by a cross on a stone,firmly set in the ground,west of the point established last night.

The magnetic bearing of the true meridian is N.16°44'W., which gives the mag.decl.16°44'E.

From the cor.of secs.28-29-32 and 33,on the sectional correction line,I run

N.0°02'W.bet.secs.27 and 28.

In bottom of West Fork of Lake Fork Canon,ascend gradually through grease wood brush.

6.00 Leave bottom of canon,bearing N.W.and S.E.

Begin abrupt ascent,over rocky land.

40.00 Set a sandstone,18x10x8 ins.,12 ins.in the ground, for ¼ sec.cor.,marked ¼ on W.face;and raise a mound of stone,2 ft.base,1½ ft.high W.of cor.

Pits impracticable.

76.00 Enter heavy pine and aspen timber,bearing E.and W.

80.00 Set a trachyte stone,20x10x8 ins.,15 ins.in the ground, for cor.of secs.21-22-27 and 28,marked with 2 notches on the S.and 3 notches on the E.edge;from which

A pine,36 ins.diam.,bears N.41°E.,16 lks.dist., marked T 2 N R 5 W S 22 B T.

A pine,6 ins.diam.,bears S.67°E.,57 lks.dist., marked T 2 N R 5 W S 27 B T.

A pine,30 ins.diam.,bears S.11°W.,14 lks.dist., marked T 2 N R 5 W S 28 B T.

A pine,15 ins.diam.,bears N.11°W.,1.59 chs.dist., marked T 2 N R 5 W S 21 B T.

Land,mountainous.

Soil,rocky;third rate.

Timber,aspen and pine.

Mountainous or heavily timbered land or dense undergrowth on 80.00 chs.

SUBDIVISIONS OF T. 2 N., R. 5 W.

Chains.	
	E.on a random line bet.secs.22 and 27.
40.00	Set temp.¼ sec.cor.
79.88	Intersect N.and S.line, 7 lks.N.of the cor.of secs. 22-23-26 and 27.
	Thence 1 run
	N.89°57'W.on a true line
	Bet.secs.22 and 27.
	Descend abruptly through heavy fire killed pine timber.
11.00	Bottom of ravine,250 ft.deep,course S.W.
	Begin abrupt ascent.
30.50	Top of spur projects S.
	Begin abrupt descent.
39.94	Set a sandstone,24x8x5 ins.,18 ins.in the ground, for ¼ sec.cor.,marked ¼ on N.face;and raise a mound of stone, 3 ft.base,1½ ft.high N.of cor.
	Pits impracticable.
44.00	Bottom of ravine,500 ft.deep,course S.
	Begin abrupt ascent.
49.00	Top of spur projects S.E.
	Begin abrupt descent.
64.00	Bottom of ravine,200 ft.deep,course S.E.
	Begin abrupt ascent.
	Enter heavy live pine timber,bearing N.and S.
79.88	The cor.of secs.21-22-27 and 28.
	Land,mountainous.
	Soil,rocky;third rate.
	Timber,pine.
	Mountainous or heavily timbered land on 79.88 chs.
	Sept.21st,1903.
	Sept.22th:
	N.0° 02'W.bet.secs.21 and 22.
	Ascend through heavy pine and aspen timber.
2.50	Top of spur projects E.
	Begin abrupt descent.

SUBDIVISIONS OF T. 2 N. R. 5 W.

Chains.	
14.00	Bottom of ravine,150 ft.deep,course S.E.
	Begin abrupt ascent.
32.00	Enter heavy fire killed pine and aspen timber,bearing E.and W.
40.00	Set a limestone,18x10x5 ins.,12 ins.in the ground, for ¼ sec.cor.,marked ¼ on W.face;and raise a mound of stone,2 ft.base,1½ ft.high W.of cor.
	Pits impracticable.
52.00	Top of ridge bears N.E.and S.W.
	Leave fire killed timber,bearing N.E.and S.W.
	Enter scattering live aspen and pine timber.
	Begin abrupt descent.
69.00	Bottom of ravine,200 ft.deep,course S.W.
	Begin abrupt ascent.
80.00	Set a trachyte stone,18x12x10 ins.,12 ins.in the ground, for cor.of secs.15-16-21 and 22,marked 2 N on N.E., and 5W on S.E.face,with 3 notches on the S.and E.edges; from which
	An aspen,3 ins.diam.,bears N.45°E.,8 lks.dist., marked T 2 N R 5 W S 15 B T.
	An aspen,3 ins.diam.,bears S.70°E.,27 lks.dist., marked T 2 N R 5 W S 22 B T.
	An aspen,3 ins.diam.,bears S.68°W.,38 lks.dist., marked T 2 N R 5 W S 21 B T.
	An aspen,3 ins.diam.,bears N.49°W.,31 lks.dist., marked T 2 N R 5 W S 16 B T.
	Land mountainous,
	Soil,rocky;third rate.
	Timber,aspen and pine.
	Mountainous and heavily timbered land on 80.00 chs.

	S.89°57'E.on a random line bet.secs.15 and 22.
40.00	Set temp.¼ sec.cor.
79.92	Intersect N.and S.line,5 chs.S.of the cor.of secs. 14-15-22 and 23.

SUBDIVI[illegible] OF T 2 N R 5 W

Chains.	
	Thence I run
	N.89°59'W.on a true line
	Bet.secs.15 and 22.
	Descend abruptly through heavy aspen and pine timber.
38.00	Bottom of ravine,250 ft.deep,course S.
	Begin abrupt ascent.
39.96	Set a trachyte stone;12x10x6 ins.,8 ins.in the ground, for ¼ sec.cor.,marked ¼ on N.face;from which
	A pine,10 ins.diam.,bears N.16°E.,15 lks.dist., marked ¼ S 15 B T.
	A pine,10 ins.diam.,bears S.82°W.,26 lks.dist., marked ¼ S 22 B T.
51.50	Top of ridge bears N.and S.
	Descend.
76.00	Bottom of hollow,50 ft.deep,course S.W.
	Ascend.
79.92	The cor.of secs.15-16-21 and 22.
	Land mountainous.
	Soil,rocky;third rate.
	Timber aspen and pine.
	Mountainous and heavily timbered land on 79.92 chs.
	[illegible] N.0°02'W.bet.secs.15 and 16.
	Ascend abruptly through heavy aspen and pine timber.
15.00	Top of ridge bears N.W.and S.E.
	Descend.
33.50	Bottom of ravine,150 ft.deep,course S.E.
	Begin abrupt ascent.
40.00	Set a trachyte stone,16x12x4 ins.,11 ins.in the ground, for ¼ sec.cor.,marked ¼ on W.face;from which
	A pine,24 ins.diam.,bears S.84°E.,11 lks.dist., marked ¼ S 15 B T.
	A pine,6 ins.diam.,bears S.33°W.,1.06 chs.dist., marked ¼ S 16 B T.

75.00	Leave heavy timber,bearing E. and W.
80.00	Top of ridge bears E. and W.
	Set a limestone,14x12x6 ins.,9 ins.in the ground, for cor.of secs.9-10-15 and 16,marked with 3 notches on the E.and 4 notches on the S.edge;from which
	A pine,12 ins.diam.,bears S.80°W.,1.69 chs.dist., marked T 2 N R 5 W S 16 B T.
	A pine,10 ins.diam.,bears N.6°W.,56 lks.dist., marked T 2 N R 5 W S 9 B T.
	No other trees within limits;and raise a mound of stone, 2 ft.base,1½ ft.high,W. of cor.
	Pits impracticable.
	Land mountainous.
	Soil,rocky;third rate.
	Timber aspen and pine.
	Mountainous or heavily timbered land on 80.00 chs.

	S.89°59'E.on a random line bet.secs.10 and 15.
40.00	Set temp.¼ sec.cor.
80.06	Intersect N.and S.line,5 lks.N.of the cor.of secs. 10-11-14-15.
	Thence I run
	N.89°57'W.on a true line
	Bet.secs.10 and 15.
	Over rocky land ascend along steep south slope,through heavy fire killed pine timber.
10.00	Enter heavy live pine timber,bearing N.and S.
25.50	Top of ridge bears N.E.and W. Thence along ridge.
	Leave heavy timber,bearing N.E.and S.W.
	Enter scattering pine timber.
40.03	Set a sandstone,24x10x8 ins,,18 ins.in the ground, for ¼ sec.cor.,marked ¼ on N.face;and raise a mound of stone,2 ft.base,1½ ft.high N.of cor.
	Pits impracticable.
80.06	The cor.of secs.9-10-15 and 16.
	Land mountainous.

Chains.	
	Soil rocky third rate.
	Timber,pine.
	Mountainous or heavily timbered land on 80.06 chs.
	Sept.22,1903.
	Sept.23rd:
	N.0°02'W.bet.secs.9 and 10.
	Over rocky land descend abruptly through scattering pine timber.
9.00	Enter heavy pine timber,bearing E.and W.
31.75	Bottom of ravine,200 ft.deep,course W.
	Ascend.
	Leave heavy pine timber,bearing E.and W.
	Enter scattering pine timber.
40.00	Set a trachyte stone,16x12x4 ins.,11 ins.in the ground,for ¼ sec.cor.,marked ¼ on W.face;and raise a mound of stone, 2 ft.base,1½ ft.high W.of cor.
	Pits impracticable.
49.00	Top of ridge bears E.and W.
	Descend.
64.00	Enter heavy aspen and pine timber,bearing E.and W.
77.75n	Head of hollow,course W.
	Ascend.
80.00	Set a trachyte stone,18x8x8 ins.,13 ins.in the ground, for cor.of secs.3-4-9-10,marked with 5 notches on the S.and 3 notches on the E.edge;from which
	An aspen,5 ins.diam.,bears N.15°E.,36 lks.dist., marked T 2 N R 5 W S 3 B T.
	An aspen,7 ins.diam.,bears S.58°W.,67 lks.dist., marked T 2 N R 5 W S 9 B T.
	An aspen,5 ins.diam.,bears S.38°E.,87 lks.dist., marked T 2 N R 5 W S 10 B T.
	A pine,36 ins.diam.,bears N.51°W.,36 lks.dist., marked T 2 N R 5 W S 4 B T.
	Land,mountainous.

SUBDIVISIONS OF T 2 N. R.5 W.

Chains. Soil rocky third rate.

Timber pine and aspen.

Mountainous or heavily timbered land on 80.00 chs.

S.89°57'E.on a random line bet.secs.3 and 10

40.00 Set temp.¼ sec.cor.

79.94 Intersect N.and S.line 14 lks.N.of the cor.of secs.2,3, 10 and 11. Thence I run

N.89°51'W.on a true line bet.secs.3 and 10

Ascend through dense willow brush.

2.25 Enter heavy pine timber bearing NW.and SE.

39.97 Set a trachyte stone 24x18x5 ins.,18 ins.in the ground, for ¼ sec.cor..marked ¼ on N.face;from which

A pine 6 ins.diam.bears N.55°E.,4 lks.dist. marked ¼ S 3 B T

A pine 24 ins.diam.bears S.36°W.26 lks.dist. marked ¼ S 10 B T

56.00 Top of ridge bears N.and S. Descend.

65.00 Leave heavy pine timber,bearing N.and S.

Enter scattering pine and aspen timber.

79.94 The cor.of secs.3,4,9,and 10.

Land mountainous.

Soil rocky;third rate.

Timber aspen and pine.

Mountainous or heavily timbered land or dense undergrowth on 79.94 chs.

Sept.23rd,1903.

Sept.24th:

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

40.00 Set temp.¼ sec.cor.

79.63 Intersect north bdy.of the Tp.7 lks.W.of the cor.of secs. 3,4,33,and 34,heretofore described. Thence I run

S.0°01'W.on a true line bet.secs.3 and 4

Descend through heavy pine timber.

Chains.	
39.63	Set a trachyte stone 18x12x6 ins.12 ins.in the ground, for ¼ sec.cor.,marked ¼ on W.face;from which
	A pine 9 ins.diam.bears S.83°E.6 lks.dist.
	marked ¼ S 3 B T
	A pine 10 ins.diam.bears N.31°W.,12 lks.dist.,
	marked ¼ S 4 B T
79.63.	The cor.of secs.3,4,9,and 10.
	Land mountainous.
	Soil rocky;third rate.
	Timber pine.
	Mountainous and heavily timbered land on 79.63 chs.
	Sept.24,1903.
	Sept.25:
	From cor.secs.28,29,32,and 33,on sec'l correction line I run
	S.0°03'E.on a random line bet.secs.32 and 33
40.00	Set temp.¼ sec.cor.
87.00	Intersect south bdy.of the Tp.14 lks.E.of the cor.of secs.32 and 33,heretofore described. Thence I run
	N.0°03'E.on a true line bet.secs.32 and 33
	Descend over rocky land,through mountain laurel brush and dead and fallen timber.
7.50	Enter heavy pine timber,bearing NW.and SE.
13.50	Bottom of ravine 200 ft.deep,course SE.
	Begin abrupt ascent.
19.50	Top of ridge bears NW.and SE.
	Begin abrupt descent over broken land.
42.00	Bottom of hollow,100 ft.deep,course NE.Begin abrupt ascent.
44.75	Top of spur projects NE.
	Begin abrupt descent.
47.00	Bottom of hollow,100 ft.deep,course NE.
	Ascend.

Chains.	
	Set a trachyte stone,15x12x6 ins.,10 ins.in the ground, for ¼ sec.cor.,marked ¼ on W.face;from which
	A pine,30 ins.diam.,bears S.77°E.,18 lks.dist., marked ¼ S 33 B T.
	A pine,10 ins.diam.,bears S.33°W.,21 lks.dist., marked ¼ S 32 B T.
50.50	Top of spur projects N.E.
	Begin abrupt descent.
62.00	Bottom of ravine,150 ft.deep,course E.
	Ascend.
87.00	The cor.of secs.28-29-32 and 33.
	Land,mountainous.
	Soil,rocky;third rate.
	Timber,pine.
	Mountainous or heavily timbered land or dense undergrowth on 87.00 chs.
	From cor.secs.28,29,32,and 33 on sec'l correction line I run N.0° 03'W.bet.secs.28 and 29.
	Descend through heavy aspen timber.
3.75	Wagon road bears N.W.and S.E.
7.00	Enter dense willow brush and cotton wood timber,bearing N.W.and S.E,in bottom of canon,course S.E.
26.50	West Fork of Lake Fork Creek,50 lks.wide,course S.E.
	Begin gradual ascent.
34.50	Leave cottonwood timber and willow brush,bearing N.W. and S.E.
38.00	Leave bottom of canon,and begin abrupt ascent over rocky land,bearing N.W.and S.E.
40.00	Set a sandstone,20x6x6 ins.,15 ins.in the ground,for ¼ sec.cor.,marked ¼ on W.face;and raise a mound of stone, 2 ft.base,1½ ft.high W.of cor.
	Pits impracticable.
46.00	Enter dense mahogany brush.
67.00	Top of spur projects S.W.
	Begin abrupt descent.
	Enter scattering pine and aspen timber.

SUBDIVISIONS OF T 2 N R 5 W.

Chains	
80.00	Set a trachyte stone,18x8x8 ins.,12 ins.in the ground, for cor.of secs.20-21-28 and 29,marked with 2 notches on the S. and 4 notches on the E.edge;from which
	An aspen,12 ins.diam.,bears S.39°W.,77 lks.dist.,marked T 2 N R 5 W S 29 B T.
	A pine,10 ins.diam.,bears N.39°W.,56 lks.dist., marked T 2 N R 5 W S 20 B T.
	No other trees within limits;and raise a mound of stone, 2 ft.base,1½ ft.high W.of cor.
	Pits impracticable.
	Land mountainous.
	Soil,rocky;third rate.
	Timber,aspen,pine and cotton wood.
	Mountainous or heavily timbered land or dense under growth on 80.00 chs.
	Sept.25 ,1903.
	Sept.26th:
	E,on a random line bet.secs.21 and 28.
40.00	Set temp.¼ sec.cor.
80.14	Intersect N.and S.line,5 lks.N.of the cor.of secs. 21-22-27 and 28,
	Thence I run
	N.89°58'W.on a true line
	Bet.secs.21 and 28.
	Ascend over rocky land through dense artemisia.
7.50	Top of ridge bears N.and S.
	Begin abrupt descent.
19.00	Enter scattering pine timber.
25.00	Bottom of ravine,200 ft.deep,course S.
	Begin abrupt ascent.
40.07	Set a sandstone,30x12x4 ins.,15 ins.in the ground, for ¼ sec.cor.,marked ¼ on N.face;from which
	A pine,10 ins.diam.,bears N.66°E.,40 lks.dist., marked ¼ S 21 B T.

Chains.	
	A pine,10 ins.diam.,bears S.30°E,78 lks.dist., marked ÷ S 28 B T.
40.35	Top of rocky spur projects S.
	Descend.
	Enter fire killed pine timber.
50.00	Head of hollow,course S.E.
	Ascend.
58.00	Top of ridge bears N.E.and S.W.
	Begin abrupt descent.
	Leave fire killed timber.
	Enter scattering live pine timber.
80.14	The cor.of secs.20-21-28 and 29.
	Land mountainous.
	Soil,rocky;thirdrate.
	Timber,pine.
	Mountainous or heavily timbered land or dense undergrowth on 80.14 chs.

N.0°03'W.bet.secs.30 and 31.

	Descend abruptly over rocky land through scattering pine and aspen timber.
8.00	Bottom of hollow,100 ft.deep,course S.W.
	Begin abrupt ascent.
	Leave scattering timber.
28.00	Top of ridge bears N.E.and S.W.
	Descend.
31.00	Bottom of hollow,100 ft.deep,course S.W.
	Begin abrupt ascent.
	Enter heavy pine timber,bearing N.E.and S.W.
40.00	Set a sandstone,18x15x5 ins.,13 ins.in the ground, for ÷ sec.cor.,marked ÷ on W.face;from which
	A pine,35 ins.diam.,bears S.75°E.,16 lks.dist., marked ÷ S 31 B T.
	An aspen,14 ins.diam.,bears S.67°W.,6 lks.dist., marked ÷ S 30 B T.

Chains.	
80.00	Set a sandstone,18x15x5 ins.,12 ins.in the ground, for cor.of secs.16-17-20 and 21,marked with 4 notches on the E.and 3 notches on the S.edges;from which
	A pine,15 ins.diam.,bears N.34°E.,53 lks.dist., marked T 2 N R 5 W S 16 B T.
	A pine,36 ins.diam.,bears S.16°E.,12 lks.dist., marked T 2 N R 5 W S 21 B T.
	A pine,24 ins.diam.,bears S.39°W.,31 lks.dist., marked T 2 N R 5 W S 20 B T.
	A pine,5 ins.diam.,bears N.18°W.,9 lks.dist., marked T 2 N R 5 W S 17 B T.
	Land,mountainous.
	Soil,rocky;third rate.
	Timber,aspen and pine.
	Mountainous or heavily timbered land on 80.00 chs.
	Sept. 26th,1903.

	Sept.27th:
	S.89°58'E.on a random line bet.secs.16 and 21.
40.00	Set temp.$\frac{1}{4}$ sec.cor.
80.08	Intersect N.and S.line,3 lks.N.of the cor.of secs. 15-16-21 and 22.
	Thence I run
	N.89°57'W.on a true line.
	Bet.secs.16 and 21.
	Ascend over rocky land through heavy aspen and pine timber.
9.00	Top of rocky spur projects S.
	Begin abrupt descent.
29.50	Bottom of ravine,300 ft.deep,course S.
	Begin abrupt ascent.
40.04	Set a limestone,20x18x5 ins.,15 ins.in the ground for $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on N.face;from which
	A pine,10 ins.diam.,bears N.17°E.,22 lks.dist., marked $\frac{1}{4}$ S 16 B T.
	A pine,9 ins.diam.,bears S.21°W.,49 lks.dist.,

SUBDIVISIONS OF T 2 N R 5 W

Chains.	
	marked ¼ S 21 B T.
43.00	Top of ridge bears N.E.and S.W.
	Begin abrupt descent.
67.00	Bottom of hollow course S.,100 ft.deep,
	Ascend.
80.08	The cor.of secs.16-17-20 and 21.
	Land,mountainous.
	Soil,rocky;thirdrate.
	Timber,aspen and pine.
	Mountainous or heavily timbered land on 80.08 chs.
	N.0°03'W.bet.secs.16 and 17.
	Ascend over rocky land through heavy pine timber.
5.00	Top of ridge bears N.E.and S.W.
	Descend.
18.50	Bottom of ravine,100 ft.deep,course W.
	Begin abrupt ascent.
33.00	Top of ridge bears E.and W.
	Begin abrupt descent.
40.00	Set a trachyte stone,18x13x4 ins.,13 ins.in the ground, for ¼ sec.cor.,marked ¼ on W.face;from which
	A pine,34 ins.diam.,bears S.33°E.,18 lks.dist., marked ¼ S 16 B T.
	A pine,15 ins.diam.,bears S.73°W.,15 lks.dist ., marked ¼ S 17 B T.
63.00	Enter heavy aspen timber,bearing E.and W.
78.00	Bottom of hollow,100 ft.deep,course W.
	Ascend.
80.00	Set a trachyte stone,16x12x5 ins.,11 ins.in the ground, for cor.of secs.8-9-16 and 17,marked with 4 notches on the E.and S.edges;from which
	An aspen,8 ins.diam.,bears N.34°E.,23 lks.dist., marked T 2 N R 5 W S 9 B T.
	An aspen,4 ins.diam.,bears S.45°E.,14 lks.dist., marked T 2 N R 5 W S 16 B T.
	An aspen,4 ins.diam.,bears S.68°W.,14 lks.dist.,

Chains.

marked T 2 N R 5 W S 17 B T.

An aspen5 ins.diam.,bears N.67°W.,14 lks.dist.,

marked T 2 N R 5 W.S 8 B T.

Land mountainous.

Soil,rocky;third rate.

Timber,aspen and pine.

Mountainous and heavily timbered land on 80.00 chs.

Sept.27th.

Sept.28th:

S.89°57'E.on a random line bet.secs.9 and 16.

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

80.18 Intersect N.and S.line,5 lks.S.of the cor.of secs. 9-10-15 and 16.

Thence I run

N.89°59'W.on a true line

Bet.secs.9 and 16.

Over rocky land ascend along top of ridge,bearing E.and W.

1.50 Enter heavy pine timber,bearing N.and S.

15.00 Leave top of ridge bearing E.and S.W.

Leave heavy timber,bearing E.and S.W.

Descend along steep north slope,over trachyte boulders.

31.00 Head of hollow,course N.E.

Ascend.

40.09 On top of ridge,bearing N.W.and S.E.

Point for $\frac{1}{4}$ sec.cor.falls on a trachyte boulder,8x3x2 ft. above ground; cut a cross at exact cor.point,marked $\frac{1}{4}$ on N.side of cross;and raise a mound of stone,2 ft.base, $1\frac{1}{2}$ ft.high,N.of cor.

Pits impracticable.

Descend.

44.00 Enter heavy pine timber,bearing N.E.and S.W.

80.18 The cor.of secs.8-9-16 and 17.

Land mountainous.

Soil,rocky;third rate.

Chains.	
	Timber, pine.
	Mountainous or heavily timbered land on 80.18 chs.
	N.0°03'W. bet. secs. 8 and 9.
	Ascend through heavy aspen and pine timber.
17.00	Top of ridge bears E. and W.
	Begin abrupt descent.
31.00	Bottom of ravine, 200 ft. deep, course S.W.
	Begin abrupt ascent.
40.00	Set a trachyte stone, 18x12x6 ins., 12 ins. in the ground, for ¼ sec. cor., marked ¼ on W. face; from which
	An aspen, 3 ins. diam., bears N.24°E., 13 lks. dist., marked ¼ S 9 B T.
	An aspen, 3 ins. diam., bears N.44°W., 18 lks. dist., marked ¼ S 8 B T.
72.00	Top of ridge bears N.E. and S.W.
	Begin abrupt descent.
80.00	Set a trachyte stone, 18x10x8 ins., 12 ins. in the ground, for cor. of secs. 4-5-8-9, marked with 4 notches on the E. and 5 notches on the S. edge; from which
	A pine, 12 ins. diam., bears N.2°E., 26 lks. dist., marked T 2 N R 5 W S 4 B T.
	A pine, 10 ins. diam., bears S.1°E., 6 lks. dist., marked T 2 N R 5 W S 9 B T.
	A pine, 7 ins. diam., bears S.41°W., 11 lks. dist., marked T 2 N R 5 W S 8 B T.
	A pine, 8 ins. diam., bears N.21°W., 21 lks. dist., marked T 2 N R 5 W S 5 B T.
	Land, mountainous.
	Soil, rocky; third rate.
	Timber, aspen and pine.
	Mountainous and heavily timbered land on 80.00 chs.
	Sept. 28th, 1903.
	Sept. 29th:

Chains.	
	S.89°59'E.on a random line bet.secs.4 and 9.
40.00	Set temp.$\frac{1}{4}$ sec.cor.
80.12	Intersect N.and S.line,3 lks.N.of the cor.of secs.3-4-9 and 10.
	Thence I. run
	N.89°58'W.on a true line
	Bet.secs.4 and 9.
	Descend through heavy pine and aspen timber.
17.00	Leave heavy timber,bearing E.and W.
	Enter marsh,bearing N.and S.
	Enter dense willow brush.
38.00	Leave marsh,bearing N.and S.
	Ascend.
39.00	Enter heavy pine timber,bearing N.and S.
40.06	Set a trachyte stone,15x10x5 ins.,10 ins.in the ground, for $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on N.face;from which
	A pine,15 ins.diam.,bears N.49°E.,30 lks.dist., marked $\frac{1}{4}$ S 4 B T.
	A pine,24 ins.diam.,bears S.55°W.,32 lks.dist., marked $\frac{1}{4}$ S 9 B T.
72.00	Top of spur projects N.
	Begin abrupt descent.
80.12	The cor.of secs.4-5-8 and 9.
	Land,mountainous.
	Soil,rocky;third rate.
	Timber,aspen and pine.
	Mountainous or heavily timbered land on 80.12 chs.
	N.0°03'W.on a random line bet.secs.4 and 5.
40.00	Set temp.$\frac{1}{4}$ sec.cor.
79.27	Intersect N.bdy.of the Tp.,12 lks.W.of the cor.of secs. 4-5-32 and 33.
	Thence I. run.
	S.0°02'W.on a true line
	Bet.secs.4 and 5.

Chains.	
	Descend over rocky land through heavy pine timber.
39.27	Set a trachyte stone,18x10x8 ins.,12 ins.in the ground, for ¼ sec.cor.,marked ¼ on W.face;from which
	A pine,12 ins.diam.,bears N.18°E.,63 lks.dist., marked ¼ S 4 B T.
	A pine,15 ins.diam.,bears N.55°W.,14 lks.dist., marked ¼ S 5 B T.
42.30	Creek,15 lks.wide,10 ins.deep,in bottom of ravine, 250 ft.deep,course S.W.
	Begin abrupt ascent.
79.27	The cor.of secs.4-5-8-9.
	Land mountainous.
	Soil,rocky;third rate.
	Timber,pine.
	Mountainous or heavily timbered land on 79.27 chs.
	Sept.29th,1903.
	Sept.30th:From the cor.of secs.29-30-31 and 32;on the sectional correction line,I run
	S.0°04'E.on a random line bet.secs.31 and 32.
40.00	Set temp.¼ sec.cor.
86.98	Intersect the south bdy.of Tp.,31 lks.E.of the cor.of secs.31 and 32,heretofore described.
	Thence I run
	N.0°05'E.on a true line
	Bet.secs.31 and 32.
	Descend along steep east slope through scattering young pine,and over dead and fallen pine timber.
46.98	Set a trachyte stone,16x12x6 ins.,11 ins.in the ground, for ¼ sec.cor.,marked ¼ on W.face;and raise a mound of stone,2 ft.base,1½ ft.high W.of cor.
	Pits impracticable.
48.00	Bottom of hollow,100 ft.deep,course E.
	Ascend.
51.00	Top of ridge bears E.and W.

SUBDIVISIONS OF T. 2 N. R. 5 W.

Chains.	
	Descend.
55.00	Head of hollow, course E.
	Ascend.
63.00	Top of spur projects E.
	Begin abrupt descent.
72.00	Head of hollow, course E.
	Ascend.
75.00	Top of ridge bears E. and W.
	Begin abrupt descent.
86.98	The cor. of secs. 29-30-31 and 32.
	Land mountainous.
	Soil, rocky; third rate.
	Timber, pine.
	Mountainous land on 86.98 chs.
	At this cor., at 6h. 55m. p.m., l.m.t., I observe Pplaris at eastern elongation, in accordance with instructions in the Manual, and mark a point in the line thus determined, be a tack driven in a wooden peg, set in the ground, 5 chs. north of my station.
	Sept. 30th, 1903.

	Oct. 1st: At 6h 30m a.m., l.m.t., I lay off the azimuth of Polaris, 1°35' to the west, and mark the meridian thus determined, by a cross on a stone, firmly set in the ground, west of the point established last night.
	The magnetic bearing of the true meridian is N, 16°44' W., which gives the mag. decl. 16°44' E.
	From the cor. of secs. 29-30-31 and 32, on the sectional correction line, I run
	N. 0°04' W. bet. secs. 29 and 30.
	Ascend through heavy fire killed pine and live young aspen timber.
2.75	Top of spur projects N.E.
	Begin abrupt descent.
5.30	Bottom of ravine, 200 ft. deep, course N.E.
	Begin abrupt ascent.

Chains.	
	Enter heavy pine timber,bearing N.E.and S.W.
10.75	Top of spur projects N.E.
	Begin abrupt descent.
16.25	Bottom of ravine,200 ft.deep,course N.E.
	Begin abrupt ascent.
22.75	Top of spur projects N.E.
	Begin abrupt descent.
40.00	Set a sandstone,18x10x10 ins.,12 ins.in the ground, for ¼ sec.cor.marked ¼ on W.face;from which
	A pine,15 ins.diam.,bears S.53°E.,35 lks.dist., marked ¼ S 29 B T.
	An aspen,5 ins.diam.,bears S.86°W.,22 lks.dist., marked ¼ S 30 B T.
	This cor.is set 700 ft.below sec.cor.
46.00	Leave heavy timber,bearing E.and W.
	Enter dense artemisia.
53.00	Bottom of hollow,100 ft.below ¼ sec.cor.,course N.E.
	Ascend.
68.50	Enter heavy aspen timber,bearing N.W.and S.E.
70.75	Leave heavy timber,bearing N.E.and S.W.
80.00	Set a trachyte stone,20x12x8 ins.,15 ins.in the ground, for cor.of secs.19-20-29 and 30,marked with 5 notches on the E.and 2 notches on the S.edge;and raise a mound of stone,2 ft.base,1½ ft.high W.of cor.
	Pits impracticable.
	Land mountainous.
	Soil,rocky;third rate.
	Timber,aspen and pine.
	Mountainous or heavily timbered land on 80.00 chs.

	E.on a random bet.secs.20 and 29.
40.00	Set temp ¼ sec.cor.
79.90	Intersect N.and S. line,5 lks.N.of the cor.of secs. 20-21-28 and 29.
	Thence I run
	N.89°58'W.on a true line

SUBDIVISIONS OF T. 2 N. R. 5

Chains.	
	Bet.secs.20 and 29.
	Over rocky land descend abruptly through scattering pine and aspen timber.
9.00	Leave scattering timber.
10.00	Bottom of hollow,100 ft.deep,course S.W.
	Ascend.
19.00	Top of spur projects S.W.
	Begin abrupt descent.
39.95	Set a limestone,18x8x6 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.
	Pits impracticable.
53.00	West Fork of Lake Fork Creek,50 lks.wide,12 ins.deep, in bottom of canon,1000 ft.deep,course S.E.
	Begin abrupt ascent.
	Enter dense artemisia.
79.90	The cor.of secs.19-20-29 and 30.
	Land mountainous.
	Soil;rocky;third rate.
	Timber,aspen and pine.
	Mountainous land or dense undergrowth on 79.90 chs.
	Oct.1st,1903.

	Oct.2nd:
	N.89°51'W.on a random line bet.secs.19 and 30.
40.00	Set temp.¼ sec.cor.
76.15	Intersect W.bdy.of the Tp.,12 lks.N.of the cor.of secs. 19 and 30,heretofore described.
	Thence I run
	S.89°56'E.on a true line
	Bet.secs.19 and 30.
	Descend abruptly through scattering pine and heavy aspen timber.
25.15	Foot of abrupt descent,bearing N.W.and S.E.
	Begin gradual descent.
	See p.512

Chains.	
	for cor.of secs.17-18-19 and 20,marked with 5 notches on the E.and 3 notches on the S.edge;from which
	A pine,6 ins.diam.,bears N.46°E.,23 lks.dist., marked T 2 N R 5 W S 17 B T.
	A pine,24 ins.diam.,bears S.64°E.,59 lks.dist., marked T 2 N R 5 W S 20 B T.
	A pine,18 ins.diam.,bears S.51°W.,5 lks.dist., marked T 2 N R 5 W S 19 B T.
	A pine,15 ins.diam.,bears N.64°W.,30 lks.dist., marked T 2 N R 5 W S 18 B T.
	Land,mountainous.
	Soil,rocky;third rate.
	Timber,pine.
	Mountainous land or dense undergrowth on 80.00 chs.
	Oct.2nd,1903.
	Oct.3rd:
	S.89°58'E.on a random line bet.secs.17 and 20.
40.00	Set temp.¼ sec.cor.
80.14	Intersect N.and S.line,12 lks.S.of the cor.of secs. 16-17-20 and 21.
	Thence I run
	S.89°57'W.on a true line
	Bet.secs.17 and 20.
	Ascend over rocky land through heavy pine timber.
4.50	Top of ridge bears N.W.and S.E.
	Begin abrupt descent.
33.00	Bottom of ravine,200 ft.deep,course S.W.
	Begin abrupt ascent.
40.07	Set a trachyte stone,18x8x8 ins.,12 ins.in the ground, for ¼ sec.cor.,marked ¼ on N.face;from which
	A pine,8 ins.diam.,bears N.14°E.,10 lks.dist., marked ¼ S 17 B T.
	A pine,8 ins.diam.,bears S.70°E.,5 lks.dist., marked ¼ S 20 B T.
61.00	Top of rocky ridge bears N.E.and S.W.
	Begin abrupt descent.

Chains.	
32.00	Leave scattering pine and heavy aspen timber, bearing N. and S. Enter dense undergrowth.
36.15	Set a trachyte stone, 18x12x6 ins.; 12 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.
	Pits impracticable.
76.15	The cor. of secs. 19-20-29 and 30.
	Land, mountainous.
	Soil, rocky; third rate.
	Timber, aspen and pine.
	Mountainous or heavily timbered land on dense under growth on 76.15 chs.
	N. 0°04' W. bet. secs. 19 and 20.
	Over rocky land, ascend through dense artemisia.
15.20	Descend.
20.10	Bottom of hollow, 50 ft. deep, course E.
	Ascend.
40.00	Set a trachyte stone, 18x9x8 ins., 12 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face; from which
	A pine, 4 ins. diam., bears N. 5° E., 1.42 chs. dist., marked $\frac{1}{4}$ S 20 B T.
	A pine, 6 ins. diam., bears N. 43° W., 2.87 chs. dist., marked $\frac{1}{4}$ S 19 B T.
41.50	Top of spur projects S.E.
	Begin abrupt descent.
	Enter scattering pine timber.
47.00	West Fork of Lake Fork Creek, 60 lks. wide, 12 ins. deep, course S.E., in bottom of canon, course S.E.
	Begin abrupt ascent.
61.00	Top of spur projects W.
	Descend.
73.00	Bottom of hollow, 100 ft. deep, course W.
	Ascend.
80.00	Set a trachyte stone, 18x8x4 ins., 12 ins. in the ground,

See p. 52

Chains.	
80.14	The cor.of secs.17-18-19 and 20.
	Land,mountainous.
	Soil,rocky;third rate.
	Timber,pine.
	Mountainous and heavily timbered land on 80.14 chs.
	N.89°56'W.on a random line bet.secs.18 and 19.
40.00	Set temp.¼ sec.cor.
76.00	Intersect W.bdy.of the Tp.,5 lks.N .of the cor.of secs.18 and 19,heretofore described.
	Thence I run
	S,89°58'E.on a true line
	Bet.secs.18 and 19.
	Descend over fallen and dead,and through dense live young,aspen and pine timber.
14.00	Leave aspen and pine timber,bearing N.W.and S.E.
	Enter dense artemisia.
36.00	Set a trachyte stone,18x12x8 ins.,12 ins.in the ground, for ¼ sec.cor.,marked ¼ on N.face;and raise a mound of stone,3 ft.base,1½ ft.high,N.of cor.
	Pits impracticable.
66.00	Enter scattering pine and aspen timber.
66.50	West Fork of Lake Fork Creek,50 lks.wide,12 ins.deep, in bottom of canon,course S.
	Begin abrupt ascent.
76.00	The cor.of secs.17-18-19 and 20.
	Land,mountainous.
	Soil,rocky;third rate.
	Timber,aspen and pine.
	Mountainous or heavily timbered land or dense undergrowth on 76.00 chs.
	Oct.3rd,1903.
	Oct.4th:
	N.0°04'W.bet.17 and 18.

SUBDIVISIONS OF T. 2 N. R. 5

Chains.	
	Ascend over rocky land along steep west slope through scattering pine timber.
2.00	Top of spur projects W.
	Descend.
8.00	Bottom of hollow,100 ft.deep,course W.
	Ascend.
32.00	Top of spur projects S.W.
	Descend.
39.00	Spring branch,2 lks.wide,in bottom of ravine,200 ft.deep, course S.W.
	Begin abrupt ascent.
40.00	Set a trachyte stone,20x10x8 ins.,15 ins.in the ground, for $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on W.face;from which
	A pine,15 ins.diam.,bears N.58°E.,60 lks.dist., marked $\frac{1}{4}$ S 17 B T.
	A pine,30 ins.diam.,bears N.46°W.,41 lks.dist., marked $\frac{1}{4}$ S 18 B T.
47.40	Top of spur projects S.W.
	Begin abrupt descent.
70.50	Creek,10 lks.wide,10 ins.deep,in bottom of ravine, 200 ft.deep,course from N.W.to S.W.
	Leave scattering pine timber,and enter dead and fallen pine timber.
	Begin abrupt ascent.
80.00	Set a trachyte stone,20x6x6 ins.,15 ins.in the ground, for cor.of secs.7-8-17 and 18,marked with 5 notches on the E.and 4.notches on the S.edge;and raise a mound of stone 2 ft.base,$1\frac{1}{2}$ ft.high W.of cor.
	Pits impracticable.
	Land,mountainous.
	Soil,rocky;third rate.
	Timber,pine.
	Mountainous land on 80.00 chs.
	N.89°57'E.on a random line bet.secs.8 and 17.

SUBDIVISIONS OF T 2 N R 5 W

Chains.	
40.00	Set temp. ¼ sec. cor.
80.12	Intersect N. and S. line, 9 lks. N. of the cor. of secs. 8-9-16 and 17.
	Thence I run
	N.89°59'W. on a true line
	Bet. secs. 8 and 17.
	Descend over rocky land through heavy aspen and pine timber.
11.00	Spring branch, 2 lks. wide, in bottom of hollow, 100 ft. deep, course S.W.
	Begin abrupt ascent.
14.00	Top of spur projects S.W.
	Begin abrupt descent.
40.06	Set a trachyte stone, 18x10x8 ins., 12 ins. in the ground, for ¼ sec. cor., marked ¼ on N. face; from which
	A pine, 20 ins. diam., bears N.43°W., 15 lks. dist., marked ¼ S 8 B T.
	An aspen, 6 ins. diam., bears S.45°W., 1 lks. dist., marked ¼ S 17 B T.
43.00	Leave heavy timber, bearing N. and S.
51.00	Bottom of ravine, 150 ft. deep, course S.W.
	Ascend.
52.00	Enter heavy pine timber, bearing N. and S.
58.00	Top of ridge bears N.E. and S.W.
	Begin abrupt descent.
80.12	The cor. of secs. 7-8-17 and 18.
	Land, mountainous.
	Soil, rocky; third rate.
	Timber, aspen and pine.
	Mountainous or heavily timbered land on 80.12 chs.
	Oct. 4th, 1903.

	Oct. 5th:
	N.89°58'W. on a random line bet. secs. 7 and 18.
40.00	Set temp. ¼ sec. cor.

SUBDIVISIONS OF T 2 N R 5 W

Chains.	
76.65	Intersect west bdy.of the Tp.,3 lks.S.of the cor.of secs. 7 and 18,heretofore described.
	Thence I run
	S.89°57'E.on a true line
	Bet.secs.7 and 18.
	Over rocky land ascend through heavy aspen and pine timber.
35.10	Top of spur projects S.
	Descend.
36.66	Set a trachyte stone,18x12x10 ins.;12 ins.in the ground for ¼ sec.cor.,marked ¼ on N.face;from which
	A pine,15 ins.diam.,bears N.87°W.,79 lks.dist., marked ¼ S 7 B T.
	A pine,24 ins.diam.,bears S.80°W.,74 lks.dist., marked ¼ S 18 B T.
37.50	Bottom of hollow,100 ft.deep,course S.
	Begin abrupt ascent.
43.30	Top of spur projects S.
	Begin abrupt descent.
49.50	Bottom of hollow,100 ft.deep,course S.
	Begin abrupt ascent.
58.35	Top of spur projects S.E.
	Begin abrupt descent.
68.25	Creek,10 lks.wide,6 ins.deep,in bottom of ravine, 300 ft.deep,course S.E.
	Begin abrupt ascent.
	Leave heavy timber,bearing N.W.and S.E.
	Ascend over dead and fallen and through live young aspen timber.
76.66	The cor.of secs.7-8-17 and 18.
	Land,mountainous.
	Soil,rocky;third rate.
	Timber,aspen and pine.
	Mountainous or heavily timbered land on 75.65 chs.

SUBDIVISIONS OF T 2 N R 5 W

Chains.	
	N.0°04'W.bet.secs.7 and 8.
	Over rocky west slope ascend abruptly through dead and fallen timber.
10.00	Enter heavy pine timber,bearing E.and W.
29.80	Top of spur projects W.
	Begin abrupt descent.
40.00	Set a trachyte stone,18x8x8 ins.,12 ins.in the ground, for ¼ sec.cor.,marked ¼ on W.face;from which
	An aspen 5 ins.diam.,bears N.88°E.,4 lks.dist., marked ¼ S 8 B T.
	A pine,6 ins.diam.,bears N.69°W.,28 lks.dist., marked ¼ S 7 B T.
45.00	Creek,10 lks.wide,10 ins.deep,in bottom of ravine,200 ft.deep,course S.W.
	Begin abrupt ascent.
80.00	Set a sandstone,18x8x8 ins.,12 ins.in the ground, for cor.of secs.5-6-7-8,marked with 5 notches on the S. and E.edges;from which
	A pine,12 ins.diam.,bears N.84°E.,23 lks.dist., marked T 2 N R 5 W S 5 B T.
	A pine,4 ins.diam.,bears S.52°E.,43 lks.dist., marked T 2 N R 5 W S 8 B T.
	A pine,4 ins.diam.,bears S.43°W., 3 lks.dist., marked T 2 N R 5 W S 7 B T.
	A pine,14 ins.diam.,bears N.39°W.,33 lks.dist., marked T 2 N R 5 W S 6 B T.
	Land,mountainous.
	Soil,rocky;third rate.
	Timber,pine.
	Mountainous or heavily timbered land on 80.00 chs.
	Oct.5th,1903.
	Oct.6th:
	S.89°59'E.on a random line bet.secs.5 and 8.
40.00	Set temp.½ sec.cor.

Chains.	
80.14	Intersect N.and S.line,5 lks.S.of the cor.of secs. 4-5-8 and 9.
	Thence I run
	S.89°59'W.on a true line
	Bet.secs.5 and 8.
	Descend abruptly through heavy aspen and pine timber.
37.50	Creek,10 lks.wide,10 ins.deep,in bottom of ravine, 300 ft.deep,course S.W.
	Begin abrupt ascent.
40.07	Set a trachyte stone,20x12x8 ins.15 ins.in the ground, for ¼ sec.cor.,marked ¼ on N.face;from which
	A pine,10 ins.diam.,bears N.71°E.,41 lks.dist., marked ¼ S 5 B T.
	A pine,18 ins.diam.,bears S.18°W.,69 lks.dist., marked ¼ S 8 B T.
80.14	The cor.of secs.5-6-7-8.
	Land,mountainous.
	Soil,rocky;third rate.
	Timber,aspen and pine.
	Mountainous or heavily timbered land on 80.14 chs.
	———————
	N.89°57'W.on a random line bet.secs.6 and 7.
40.00	Set temp.¼ sec.cor.
75.30	Intersect W.bdy.of the Tp.,37 lks.N.of the cor.of secs. 6 and 7,herotofore described.
	Thence I run
	N,89°46'E.on a true line bet.secs.6 and 7.
	Ascend abruptly over rocky land through heavy aspen and pine timber.
2.00	Spur projects S.W.;descend.
35.30	Set a trachyte stone,18x8x8 ins.,12 ins.in the ground, for ¼ sec.cor.,marked ¼ on N.face;from which
	A pine,24 ins.diam.,bears N.43°W.,49 lks.dist., marked ¼ S 6 B T.
	A pine,16 ins.diam.,bears S.47°W.,12 lks.dist., marked ¼ S 7 B T.

Chains.	
42.00	Top of ridge bears N,and S.
	Begin abrupt descent along steep south east slope.
75.30	The cor.of secs.5-6-7 and 8.
	Land,mountainous.
	Soil,rocky;third rate.
	Timber aspen and pine.
	Mountainous and heavily timbered land on 75.30 chs.
	N.0°04'W.on a random line bet.secs.5 and 6.
40.00	Set temp.¼ sec.cor.
79.50	Intersect north bdy.of the Tp., 5 lks.E.of the cor.of secs.5-6-31 and 32,heretofore described,
	Thence I run
	S.0°06'E.on a true line
	Bet.secs.5 and 6.
	Descend over rocky land through heavy pine timber.
20.00	Leave heavy timber,bearing E.and W.
39.50	Set a trachyte stone,30x6x6 ins.,22 ins.in the ground, for ¼ sec.cor.,marked ¼ on W.face;from which
	An aspen,6 ins.diam.,bears N.42°E.,39 lks.dist., marked ¼ S 5 B T.
	A pine,24 ins.diam.,bears S.57°W.,42 lks.dist., marked ¼ S 6 B T.
45.00	Begin abrupt descent over rocky land.
79.50	The cor.of secs.5-6-7-8.
	Land mountainous.
	Soil,rocky;third rate.
	Timber,pine.
	Mountainous or heavily timbered land on 79.50 chs.
	Oct.6th,1903.

October 7,1903.
Meanders of the east end of the lake in sec.18.

I begin at the meander cor.to fracl.secs.13 and 18, on S.bank,on W.bdy.of Tp.,heretofore described.

Thence I run,with meanders in sec.18.

Along gravelly beach.

N.84° E., -13.00 chs.

S.72° E., - 4.00 "

S.49° E., - 8.00 "

S.82° E., -12.00 "

N.62° E., - 3.60 " ,to S.side of channel of West Fork of Lake Fork Creek,course S.E.

North, - 1.30 ,to N.side of channel

N.72° W., - 5.00 ",enter heavy pine timber,over lava boulders.

N.31° W., - 5.00 "

N. 3° W., - 3.00 "

N.23° W., - 4.00 "

N.55° W., -11.00 ""

N.45° W., - 4.00 "

N.79° W., -15.00 "

N.42½°W., - 3.25 ",to meander cor.of fracl.secs.12 and 18,heretofore described on W.bdy.of Tp.

Land,level.

Soil,gravelly and rocky 3rd.and 4th.rate.

Heavy timber,pine on 50.25 chs.

October 7,1903.

GENERAL DESCRIPTION

This township is situated on the south slope of the Uintah Mountains,and is mountainous throughout,the surface being broken by many deep ravines and canons, nearly all of which drain into the West Fork of Lake Fork Canon.

GENERAL DESCRIPTION OF T.2 N.,R.5 W.

This creek in a canon of the same name,flows through the southwest portion of the township,and the bottom of the canon is about 2500 ft.below the highest point of the township.

The soil is generally rocky,with the exception of the land along the West Fork of Lake Fork Creek,which is sandy loam,capable of producing crops without irrigation.

The northeast quarter of the township is covered with a heavy growth of pine timber of commercial value,while the balance of the township is covered with scattering groves of aspen and pine timber,dense undergrowth and nutritious grasses,making this an excellent range.

The timber in the west portion of the township is nearly all firekilled and fallen.

The east end of a large lake in the bottom of the West Fork of Lake Fork Canon,is included in this township, covering part of sec.18.

This lake is about 3 miles long,and at its greatest width about 40.00 chs.,the water is clear and pure,and is said to exceed 500 ft.in depth.

There is no mineral found in this township.

There are no settlers in this township.

Austin K. Tiernan

U.S.DEPUTY SURVEYOR.

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

Austin K. Tiernan

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 Austin K. Tiernan, United States Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the survey of Subdivision T 2 N R 5 W, Uintah Special Base and Meridian, Utah, showing the respective capacities in which they acted:

E. B. Andrews, Chainman.
T. L. Hurford, Chainman.
Robert Graham, Moundman.
, Moundman.
Chas. Wall, Axman.
R. L. Davidson, Axman.
Edward J. Little, Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted Austin K. Tiernan, United States Deputy Surveyor, in surveying all those parts or portions of the Subdivision T 2 N R 5 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.

E B Andrews, Chainman.
T L Hurford, Chainman.
Robert Graham, Moundman.
, Moundman.
Chas Wall, Axman.
R L Davidson, Axman.
Edward J. Little, Flagman.

Subscribed and sworn to before me this 7th day of October 1903, 189

SEAL

Austin K. Tiernan
U. S. Deputy Surveyor

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FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, Austin K. Tiernan, 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 22nd 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 Subdivisions T. 2 N. R. 5 W.

of the United States 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.

Austin K. Tiernan
United States Deputy Surveyor.

Subscribed by said Austin K. Tiernan, and sworn to before me this 22d day of March 1904

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

SEAL

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL.

Salt Lake City, Utah, June 20, 1904.

The foregoing field notes of the survey of the subdivisions of Township 2 North Range 5 West of the United States Special Base & Meridian, Utah.

executed by James C. Dick and Austin K. Tiernan under their contract No. 22, 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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FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, Austin K. Freeman, 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 22nd day of July 1903, 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 Subdivision T. 2 N. R. 5 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.

Austin K. Freeman
United States Deputy Surveyor.

Subscribed by said Austin K. Freeman, and sworn to before me this 23 day of March 1904.

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

SEAL

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL.

Salt Lake City, Utah June 30 1904.

The foregoing field notes of the survey of the subdivisions of Lots of Township 2 North Range 5 West of the Uintah Special Base & Meridian, Utah

executed by James G. Chief for Austin K. Freeman under his contract No. 212, dated July 20, 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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