

Volume

#

R0318

BOOK A-313

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Meanders Page.....

PRELIMINARY OATHS OF ASSISTANTS.

WE, and
do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level
chain upon even and uneven ground, and plumb the tally-pins, either by sticking or dropping the same; and
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
.....

....., Chainman
....., Chainman

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



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

....., Moundman
....., Moundman

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



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

....., Axman
....., Axman

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



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
survey of

....., Flagman

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



BOOK A-318

INDEX DIAGRAM.

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189 ⁷	275 ⁸	258 ⁹	244 ¹⁰	231 ¹¹	218 ¹²		
273	272	256	243	230	217		
188 ¹⁸	270 ¹⁷	255 ¹⁶	242 ¹⁵	228 ¹⁴	215 ¹³		
269	268	254	240	227	215		
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186 ³⁰	264 ²⁹	251 ²⁸	236 ²⁷	223 ²⁶	212 ²⁵		
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Meanders Page.....

PRELIMINARY OATHS OF ASSISTANTS.

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

....., Chain.
....., Chain

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



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

....., Mound.
....., Mound

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



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

....., A.C.
....., A.C.

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



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

....., Flag

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



INDEX DIAGRAM.

Township 35, Range 6 W.

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296 ⁶	372 ⁵	357 ⁴	347 ³	336 ²	325 ¹
371	370	357	346	335	324
295 ⁷	369 ⁸	356 ⁹	345 ¹⁰	334 ¹¹	323 ¹²
369	368	355	344	333	322
294 ¹³	367 ¹⁷	354 ¹⁶	343 ¹⁵	332 ¹⁴	322 ¹³
366	365	353	342	331 390	320
293 ¹⁹	364 ²⁰	352 ²¹	341 ²²	330 ²³ 389	319 ²⁴ 387
363	362	351	340 391	329 389	318 386
291 ³⁰	361 ²⁹	350 ²⁸	339 ²⁷	328 ²⁶ 388	316 ²⁵ 385
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Meanders Page.....

PRELIMINARY OATHS OF ASSISTANTS.

We, and do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level chain upon even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; we will report the true distances to all notable objects, and the true lengths of all lines that we assist 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 }



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 }



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 }



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 }



INDEX DIAGRAM.

Township 2 S., Range 6 W.

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481	480	466	455	444 500	434 498
405 ¹⁸	479 ¹⁷	465 ¹⁶	454 ¹⁵	443 ¹⁴	432 ¹³ 497
478	477	464	453	442 499	431 496
404 ¹⁹	475 ²⁰	463 ²¹	452 ²²	441 ²³	430 ²⁴ 496
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INDEX DIAGRAM.

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576	⁷ 592	⁸ 577	⁹ 565	¹⁰ 554	¹¹ 541	¹²
	591	590	576	564	553	540
575	¹⁸ 589	¹⁷ 575	¹⁶ 563	¹⁵ 551	¹⁴ 539	¹³
	588	587	573	563	550	537
574	¹⁹ 586	²⁰ 572	²¹ 560	²² 549	²³ 536	²⁴
	585	584	571	560	548	534
573	³⁰ 583	²⁹ 570	²⁸ 558	²⁷ 547	²⁶ 532	²⁵
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572	³¹ 580	³² 568	³³ 557	³⁴ 545	³⁵ 531	³⁶

Meanders Page.....

BOOK A-318

APR 6 1904

U.

[Handwritten signature]

N.H.

FIELD NOTES

OF THE SURVEY OF THE

WEST BOUNDARY

of

Township No. 2 South, Range No. 5 West,

Of the UTAH SPECIAL BASE AND Meridian,

Utah.

AS SURVEYED BY

Andrew J. Stewart Jr. and Alfred L. Booth, United States Deputy Surveyors

their

Under his Contract No. 270, dated July 22, 1903, ~~189x~~

Survey commenced October 11, 1903, ~~189x~~

Survey completed October 12, 1905, ~~189x~~

Exp 5.79.80 ✓

NAMES AND DUTIES OF ASSISTANTS.

Joseph E. Pickens	Chairman
Jacob A. Acord	Chairman
Arthur C. Thompson	Moundman
Paul Ashworth	Moundman
Thomas E. Taylor Jr.	Axman
John H. Kienke	Axman
Quinby Stewart	Flagman

For preliminary affidavits see book *Q* Tp. 15 R. 5W

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BOOK A-318

INDEX DIAGRAM.

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19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

Meanders Page.....

PRELIMINARY OATHS OF ASSISTANTS.

WE, _____ 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 }



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 }



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 }



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 }



West boundar of T.2 S., R.5 W.

Survey commenced October 11, 1903, and executed with a W. and L. E. Gurley light mountain transit, No. 1, with solar attachment. The horizontal limb is provided with two double verniers, placed opposite to each other, reading to single minutes of arc; which is the least count of the latitude and declination arcs. The instrument was examined, tested on the true meridian at Salt Lake City, found correct, and was approved by the surveyor general for Utah on August 10, 1903.

I examine the adjustments of the instrument; 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 observation on Polaris, I proceed as follows:

At the cor. of Tps. 2 and 3 S., R. 5 and 6 W., latitude $40^{\circ}15'54''N.$, longitude $110^{\circ}32'07''W.$, I set off $40^{\circ}16'N.$, on the lat. arc; $6^{\circ}49'S.$, on the decl. arc; and at 3 h 2 m p.m., l. r. t., 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. At 6 h 12 m p.m., l. m. t., I observe the 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.

October 11, 1903.

October 12, 1903: At 7 h 30 m a.m., l. m. t., I lay off the azimuth of Polaris $1^{\circ}34.8'$ 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 0.27 ins. east of the mark established

chains with the solar.

At 9 h 2 m a.m., 11.2.11, I set off $40^{\circ}16'E$, on the 1st arc; $7'4''$, on the decl. arc; and mark the meridian determined with the solar, by a cross on the stone already set 5.00 a.m. of the cor.; this mark falls 0.35 in. east of the meridian established by Polaris observation.

The solar apparatus by p.m. and a.m. observations defines positions for true meridians respectively about $0'14''$ west and $0'12''$ 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 8 h 2 m a.m. is $N. 10^{\circ}34'W$, the angle thus determined, gives the mag. decl. $10^{\circ}34'E$.

North, bet. corr. 31 and 32, from the cor. of Tps. 2 and 3 S., R. 1 and 2 E., heretofore described.

Over mountainous land; through scattering timber and scattering undergrowth.

Ascend.

31.21 Top of ridge, 300 ft. above cor., bears NE and SW.

Descend.

42.22 Set a sandstone, $16 \times 12 \times 10$ ins., 12 ins. in the ground, for 1 sec. cor., marked 1 on 3 face; from which

A pine pole, 10 ins. diam., bears $S. 30^{\circ}E$, 12 1/2 ins. dist., marked 1 & 3 31 & 1.

A pine pole, 10 ins. diam., bears $W.$, 50 1/2 ins. dist., marked 1 & 3 32 & 1.

Enter heavy timber, bears E. and W.

43.23 Set a sandstone, $16 \times 12 \times 12$ ins., 15 ins. in the ground, for cor. of sec. 26, 30, 31, and 32, marked with 1 notch on E. and 3 notches on S. ed. cor.; from which

- Chains
- A pinon pine, 8 ins. diam., bears N. 40° E., 40 lks. dist., marked T 2 S R 5 W S 30 B T.
- A pinon pine, 10 ins. diam., bears S. 60° E., 12 lks. dist., marked T 2 S R 5 W S 31 B T.
- A pinon pine, 8 ins. diam., bears S. 45° W., 65 lks. dist., marked T 2 S R 6 W S 36 B T.
- A pinon pine, 8 ins. diam., bears N. 50° W., 55 lks. dist., marked T 2 S R 6 W S 25 B T.

*See Cover
Notes Ch. 7*

This, cor. is 600 ft. below ridge.

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.

North, bet. secs. 25 and 30.

Over mountainous land; through heavy timber and scattering sage brush.

Descend.

18.75 Bottom of hollow, 200 ft. below sec. cor., course NE.

Ascend.

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

Descend.

30.75 Bottom of canon, 50 ft. below spur, course E.

Ascend abruptly over a series of ledges and boulders

40.00 Set a sandstone, 16x12x12 ins., 11 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face; from which

A pinon pine, 8 ins. diam., bears S. 50° W., 30 lks. dist., marked $\frac{1}{4}$ S 25 B T.

No other trees within limits; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

54.00 Top of spur, 500 ft. above canon, bears N. 60° W. and S.

*See
note book
page 1*

West boundary of T.2 S. R.5 W.-Continued.

Chains . 60° E.
 Descend abruptly over ledges .
 65.00 Bottom of hollow, 200 ft. below spur, course S. 60° E.
 Ascend abruptly over ledges .
 75.00 Top of ridge, 300 ft. above hollow, bears E. and W.
 Descend abruptly over a series of ledges, from 5 to
 20 ft. high .
 80.00 Set a sandstone, 16x14x8 ins., 11 ins. in the ground,
 for cor. of secs. 19, 24, 25, and 30, marked with 4 notches
 on N. and 2 notches on S. edges; from which
 A pinon pine, 12 ins. diam., bears N. 81° E., 54
 lks. dist., marked T 2 S R 5 W S 19 B T.
 A pinon pine, 6 ins. diam., bears S. 51° E., 58
 lks. dist., marked T 2 S R 5 W S 30 B T.
 A pinon pine, 5 ins. diam., bears S. 69° W., 26
 lks. dist., marked T 2 S R 6 W S 25 B T.
 A pinon pine, 8 ins. diam., bears N. 6° W., 33
 lks. dist., marked T 2 S R 6 W S 24 B T.
 Land, mountainous, very rough .
 Soil, gravelly and rocky; 3rd and 4th rate.
 Timber, cedar and pinon pine.
 Undergrowth sage brush.
 Good grass for grazing.
 Mountainous or heavily timbered land, 80.00 chs.

North, bet. secs. 19 and 24.

Over mountainous land; through heavy timber.
 Descend abruptly over a series of ledges and boulders .
 32.70 Foot of descent, 700 ft. below sec. cor., bears E. and W.
 Leave timber, bears E. and W.
 Right bank of DuChesne River, 1½ ft. deep, sandy bottom,
 rapid current, course E.
 Thence along stream .

corrected to look 7 pg 1

corrected to look 7 pg 2

- 40.00 Point for $\frac{1}{4}$ sec. cor. falls is river.
- 40.30 Right bank of DuChesne River; course S.
Enter dense willows, bears NE and SW.
This small strip of land is subject to overflow, cor.
cannot be perpetuated.
- 42.15 Right bank of DuChesne River, 3 ft. deep, course E.
- 43.35 Left bank of DuChesne River, sandy bottom, moderate
current, 3 ft. deep, course E.
- 45.85 Nearest safe ground for $\frac{1}{4}$ sec. cor..
Set a sandstone, 18x9x6 ins., 12 ins. in the ground,
for witness cor. to $\frac{1}{4}$ sec. cor., marked W.C. $\frac{1}{4}$ on W.
face; and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high
W. of cor.
- 54.55 Leave willows and enter cultivated land, owned by
an Indian, bears NW and SE.
- 61.20 Pole fence, bears NW and SE.
Leave cultivated land and enter dense sage brush,
bears with fence.
- 63.40 Heber-Vernal road, bears NW and SE.
- 66.00 Leave canon bottom, bears NW and SE..
Enter heavy timber, bears NW and SE.
Ascend .
- 77.50 Top of ascent, 400 ft. above canon bottom, bears NW and
SE.
Thence over rolling mesa.
- 80.00 Set a hard cobble stone, 16x10x8 ins., 11 ins. in the
ground, for cor. of secs. 13, 18, 19, and 24, marked with
3 notches on N. and 3 notches on S. edges; from which
A cedar, 10 ins. diam., bears N. 47° E., 89 lks.
dist., marked T 2 S R 5 W S 18 B T.
A pinon pine, 20 ins. diam., bears S. 45° E., 10
lks. dist., marked T 2 S R 5 W S 19 B T,
A pinon pine, 12 ins. diam., bears S. 40° W., 40
lks. dist., marked T 2 S R 6 W S 24 B T.
A pinon pine, 15 ins. diam., bears N. 10° W., 125
lks. dist., marked T 2 S R 6 W S 13 B T.

*See correct
note book
page 3*

Chains

Land, mountainous and level. canon bottom.
 Soil, sandy loam in canon bottom and rocky on side hill; 2nd and 4th rate.
 Timber, cedar and pinon pine.
 Undergrowth, willows.
 Good grass for grazing.
 Mountainous or heavily timbered land, or land covered with dense undergrowth, 80.00 chs.
 October 12, 1903: At this cor. I set off $7^{\circ}9'S$, on the decl. arc; and at 0 h 1 m p.m., l.m.t., I observe the sun on the meridian, the resulting lat. is $40^{\circ}19'N$, which is the proper lat. nearly.

I

North, bet. secs. 13 and 18.

Over rolling mesa; through heavy timber.

40.00

Set a sandstone, 16x12x6 ins., 11 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face; from which
 A pinon pine, 16 ins. diam., bears $N. 45^{\circ} E.$, 73 lks. dist., marked $\frac{1}{4}$ S 18 B T.
 A cedar, 6 ins. diam., bears $S. 86^{\circ} W.$, 35 lks. dist., marked $\frac{1}{4}$ S 13 B T.

73.50

Leave mesa, bears NW and SE.

Descend .

80.00

Set a sandstone, 20x12x6 ins., 15 ins. in the ground, for cor. of secs. 7, 12, 13, and 18, marked with 2 notches on N. and 4 notches on S. edges; from which
 A pinon pine, 10 ins. diam., bears $N. 41^{\circ} E.$, 110 lks. dist., marked T 2 S R 5 W S 7 B T.
 A pinon pine, 10 ins. diam., bears $S. 60^{\circ} 30' E$ 91 lks. dist., marked T 2 S R 5 W S 19 B T.
 A pinon pine, 8 ins. diam., bears $S. 30^{\circ} W.$, 53 lks. dist., marked T 2 S R 6 W S 13 B T.
 A pinon pine, 11 ins. diam., bears $N. 35^{\circ} W.$, 101 lks. dist., marked T 2 S R 6 W S 12 B T.

connect
to look
page 3

st boundary of T. 2 S., R. 5 W. -Continued

Chains Land, mountainous and rolling mesa.

Timber, cedar and pinon pine.

Soil, sandy and gragelly; 2nd and 3rd rate.

Good grass for grazing.

Mountainous or heavily timbered land, 80.00 chs.

North, bet. secs. 7 and 12.

Over mountainous land; through heavy timber.

Descend .

4.50 Foot of descent, 75 ft. below sec. cor., bears N. 60° W.
and S. 60° E.

Enter bottom of Rock Creek Canon .

Leave timber and enter dense greasewoods, bears N. 60°
W. and S. 60° E.

13.25 Old road, bears N. 46° W. and S. 45° E.

14:00 Leave greasewoods and enter willows and bull berry
brush, bears E. and W.

16.05 Right bank of Rock Creek, rocky bottom, rapid current,
1½ ft. deep, course SE.

17.15 Left bank of Rock Creek.

25.0 Leave canon bottom, bears NW and SE.

Leave undergrowth and enter scattering cedar and
pine timber, bears NW and SE.

Ascend abruptly over ledges.

40.0 Set a sandstone, 16x10x6 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.

50.2 Top of ascent, 500 ft. above canon, bears N. 10° W. and S.
10° E.

Enter heavy timber, bears N. 10° W. and S. 10° E.

Thence over level mesa.

80.0 Set a sandstone, 16x8x6 ins., 12 ins. in the ground,
for cor. of secs. 1, 6, 7, and 12, marked with 1 notch

*See case
notes book
page 4*

West boundary of T. 2 S., R. 5 W. -Continued

Chains

on N. and S. notches on S. edges; from which

A pinon pine, 9 ins. diam., bears N. 42° E., 37
lks. dist., marked T 2 S R 5 W S 6 B T.

A pinon pine, 7 ins. diam., bears S. 25° E., 70
lks. dist., marked T 2 S R 5 W S 7 B T.

A pinon pine, 11 ins. diam., bears S. 33° W., 48
lks. dist., marked T 2 S R 6 W S 12 B T.

A pinon pine, 6 ins. diam., bears N. 66° W., 53
lks. dist., marked T 2 S R 6 W S 1 B T.

Land, mountainous and level.

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

Timber, cedar and pinon pine.

Undergrowth, willows, bull berry brush, and greasewood.

Good grass for grazing.

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

North, bet. secs. 1 and 6.

Over level mesa; through heavy timber.

4.15 Leave mesa, bears NE and SW.

Descend over a series of ledges.

40.00 Set a sandstone, 18x11x4 ins., 12 ins. in the ground,
for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face; from which

A pinon pine, 24 ins. diam., bears N. 53° E., 75
lks. dist., marked $\frac{1}{4}$ S 6 B T.

A cedar, 14 ins. diam., bears N. 18° 30' W., 14
lks. dist., marked $\frac{1}{4}$ S 1 B T.

79.00 Foot of descent, 500 ft. below mesa, bears N. 30° E. and
S. 30° W.

Leave timber and enter dense greasewoods and sage,
bears N. 30° E. and S. 30° W.

79.80 The cor. of Tps, 1 and 2 S., Rs. 5 and 6 W., heretofore

See connection
into book of
page 4

See connection
into book
of page 5

West boundary of T.2 S.R.5 W.-Concluded.

described.

Land mountainous and level.

Soil sandy and gravelly loam and rocky; 2nd and 4th 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 79.80 chs.

October 12, 1903.

BOUNDARIES OF T.2 S.R.5 W.

Latitudes, Departures, and Closing Errors.

Line designated	True Bearing	Distance chs.	Latitudes		Departure	
			N. chs.	S. chs.	E. chs.	W. chs.
W.bdy. of T.2 S.R.5 W.	North	479.80	479.80	.....	.....	.....
N.bdy. of T.2 S.R.5 W.	N.89°04'E.	475.15	7.73	.....	475.09	.....
E.bdy. of T.2 S.R.5 W.	South	485.98	.....	485.98	.....	.....
S.bdy. of T.2 S.R.5 W.	S.89°54'W.	476.50	.....	.84	.....	476.50
Convergency					.61	
Totals			487.53	486.82	475.70	47.50
			486.82			475.70
Error in lat.			.71			
Error in dep.						.80

GENERAL DESCRIPTION.

This township is rough and broken in the southern and western parts and rolling mesa in the northeastern part. It is well watered by Duchesne River and Rock Creek. The township should be subdivided.

October 12, 1903.

U.S. Deputy Surveyor.

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FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by

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

....., showing the respective capacities in which they acted:

For final affidavits see book *Z¹⁰* Tp. *3 S* R. *7 W*, Chairman.

....., Chairman.

....., Moundman.

....., Moundman.

....., Axman.

....., Axman.

....., Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted

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

those parts or portions of the

..... of the

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

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

For final affidavits see book *Z¹⁰* Tp. *3 S* R. *7 W*, Chairman.

....., Chairman.

....., Moundman.

....., Moundman.

....., Axman.

....., Axman.

....., Flagman.

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



FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

United States Deputy Surveyor

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

For final affidavit see book 2nd Tp. J. S. R. 707

_____ 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____



APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, August 22, 1903

The foregoing field notes of the survey of West Boundary of Township No. 2 South Range No. 5 West of the Uintah Special Base and Meridian, Utah,

executed by Andrew J. Stewart Jr. and Alfred L. Booth under contract No. 279, 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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FILED

AUG 12 1905

BOOK A-318

CORRECTIVE

FIELD NOTES

OF THE SURVEY OF THE

WEST BOUNDARY

of

Township No. 2 South, Range No. 5 West,

Volume
#
R0318

Of the UINTAH SPECIAL BASE AND Meridian,

STATE OF UTAH.

AS SURVEYED BY

Andrew J. Stewart Jr. and Alfred L. Booth, United States Deputy Surveyors,

their ~~for~~ Contract No. 270, dated July 22, 1905, ~~1898~~

Survey commenced April 22, 1905, ~~1898~~

Survey completed April 22, 1905, ~~1898~~

BOOK 2 1913

NAMES AND DUTIES OF ASSISTANTS.

John Kienke Chairman

Archie Walton Chairman

George W. Ekins Moundman

Quinby Stewart Moundman

John P. Madsen Axman

Richard Skousen Axman

Wm. Burridge Flagman

In preliminary affidavits in book 2 of 25 R 40

INDEX DIAGRAM.

Township 2 South, Range 5 West

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

Meanders Page.....

PRELIMINARY OATHS OF ASSISTANTS.

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

....., Chain

....., Chain

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



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

....., Mound

....., Mound

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



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

....., Ax

....., Ax

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



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

....., Flag

....., Flag

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



Survey commenced April 22, 1905, and executed with a W. and L. E. Gurley light mountain transit No. -, with solar attachment. The horizontal limb is provided with two double verniers placed opposite to each other, reading to single minutes of arc; which is also the least count of the verniers of the latitude and declination arcs.

The instrument was examined, tested on the meridian at Salt Lake City, found correct, and was approved by the surveyor general for Utah, on April 1, 1905.

At the cor. of secs. 25, 30, 31, and 36, latitude $40^{\circ}16'47''N.$, longitude $110^{\circ}32'07''W.$, I set off $40^{\circ}17'N.$, on the lat. arc; $12^{\circ}08'N.$, on the decl. arc; and at 7 h 3 m a.m., l.m.t., I determine a meridian with the solar.

Note: For complete test of instrument see notes of Sub-division T. 3 S., R. 5 W. -

From the cor. of secs. 25, 30, 31, and 36, which is a sandstone $12 \times 12 \times 5$ ins., above ground, firmly set, and from which

A pinon pine, 6 ins. dia., bears $N. 31^{\circ}E.$, 72 lks. dist. mkd. T 2 S R 5 W S 30 B T.

A pinon pine, 6 ins. dia., bears $S. 81^{\circ}E.$, 61 lks. dist. mkd. T 2 S R 5 W S 31 B T.

A pinon pine, 14 ins. dia., bears $S. 31^{\circ}W.$, 24 lks. dist. mkd. T 2 S R 6 W S 36 B T.

A cedar, 9 ins. dia., bears $N. 31^{\circ}W.$, 24 lks. dist. mkd. T 2 S R 6 W S 25 B T.

Thence I run

North, bet. secs. 25 and 30.

40.15 Intersect the $\frac{1}{4}$ sec. cor. bet. secs. 25 and 30.

I move the cor. 15 lks. S. and

40.00 Set a sandstone, $10 \times 12 \times 12$ ins., 11 ins. in the ground, for $\frac{1}{4}$ sec. cor., mkd. $\frac{1}{4}$ on W. face; from which

A cedar, 4 ins. dia., bears $S. 60^{\circ}E.$, 115 lks. dist. mkd. $\frac{1}{4}$ S 30 B T.

A pinon pine, 6 ins. dia., bears $N. 73^{\circ}W.$, 48 lks. dist. mkd. $\frac{1}{4}$ S 25 B T.

Corrective Notes of
Test Boundary of T.2 S., R.5 W., Continued.

- Chs. Note: I destroy all traces of the old cor.
- 80.25 Fall 22 lks. W. of the cor. of secs. 19, 24, 25, and 30.
I move the cor. 25 lks. S. and 22 lks. W. and
Set a sandstone, 16x14x8 ins., 11 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, 4 ins. dia., bears N. 66° E., 62
lks. dist. mkd. T 2 S R. 5 W S 19 B T.
A pinon pine, 4 ins. dia., bears S. 51° 15' E., 90
lks. dist. mkd. T 2 S R. 5 W S 30 B T.
A pinon pine, 8 ins. dia., bears S. 56° W., 31
lks. dist. mkd. T 2 S R. 6 W S 25 B T.
A pinon pine, 8 ins. dia., bears N. 64° 15' W., 46
lks. dist. mkd. T 2 S R. 6 W S 24 B T.
- Note: I destroy all traces of the old cor.
- Note: There is no change in topography of this mile.
- North, bet. secs. 19 and 24.
Over mountainous land; through heavy timber.
Descend abruptly over a series of ledges and boulders.
- 32.00 Foot of descent, 700 ft. below sec. cor., bears E. and W.
Leave timber, bears E. and W.
Right bank of DuChesne River 1½ ft. deep, sandy bottom,
rapid current, course E.
Thence along stream.
- 40.00 Point for ¼ sec. cor. falls in river.
- 40.70 Right bank of DuChesne River, course S.
Enter dense willows, bears NE and SW.
This small strip of land is subject to overflow, cor.
cannot be perpetuated and is therefore not set.
- 42.80 Right bank of DuChesne River, 3 ft. deep, course E.
- 44.80 Left bank of DuChesne River, sandy bottom, moderate cur-
rent, 3 ft. deep, course E.

Corrective Notes of

West boundary of T.2 S., R.5 W.-Continued.

Chs.

45.37 The witness cor. to $\frac{1}{4}$ sec. cor.

Described properly in the original field notes.

55.00 Leave willows and enter cultivated land owned by an Indian, bears NW and SE.

63.90 Pole fence, bears NW and SE.

Leave cultivated land, and enter dense sage brush, bears NW and SE.

64.10 Heber-Vernal road, bears NW and SE.

66.00 Leave canon bottom, bears NW and SE.

Enter heavy timber, bears NW and SE.

Asc.

77.50 Top of ascent, 400 ft. above canon, bears NW and SE.

Thence over rolling mesa.

80.00 The cor. of secs. 13, 18, 19 and 24. on line,

which is a cobblestone, 5x10x8 ins. above ground, firmly set, from which

A pinon pine, 9 ins. dia., bears N. 29° E., 49 lks. dist. .mkd. T 2 S R 5 W S 18 B T.

A pinon pine, 14 ins. dia., bears S. 33° E., 48 lks. dist. .mkd. T 2 S R 5 W S 19 B T.

A pinon pine, 6 ins. dia., bears S 76° 15' W., 53 lks. dist. .mkd. T 2 S R 6 W S 24 B T.

A pinon pine, 5 ins. dia., bears N. 52° W., 84 lks. dist. .mkd. T 2 S R 5 W S 13 B T.

North, bet. secs. 13 and 18.

39.85 Fall 3 lks. E. of $\frac{1}{4}$ sec. cor.

I move the cor. 15 lks. N. and 3 lks. E. and at

40.00 Set a sandstone, 16x10x8 ins., 11 ins. in the ground, for $\frac{1}{4}$ sec. cor. .mkd. $\frac{1}{4}$ on W. face; from which

A pinon pine, 12 ins. dia., bears N. 84° 30' E., 78 lks. dist. .mkd. $\frac{1}{4}$ S 13 B T.

Corrective Notes of

West boundary of T 2 S R 5 W -Continued

- chs. A pinon pine, 12 ins. dia., bears S. 87° W., 23 lks. dist. .mkd. $\frac{1}{4}$ S 13 B T.
- Note: I destroy all traces of the old cor.
- 80.30 The cor. of secs. 7, 12, 13, and 18, on line.
- I move the cor. 30 lks. S. and
- Set a sandstone, 20x12x6 ins., 15 ins. in the ground, for cor. of secs. 7, 12, 13, and 18, mkd. with 4 notches on S. and 2 notches on N. edges; from which
- A pinon pine, 14 ins. dia., bears N. 42° E., 72 lks. dist. .mkd. T 2 S R 5 W S 7 B T.
- A pinon pine, 10 ins. dia., bears S. 69° 45' E., 59 lks. dist. .mkd. T 2 S R 5 W S 18 B T.
- A pinon pine, 6 ins. dia., bears S. 77° 30' W., 43 lks. dist. .mkd. T 2 S R 6 W S 13 B T.
- A pinon pine, 14 ins. dia., bears N. 75° W., 56 lks. dist. .mkd. T 2 S R 6 W S 12 B T.
- Note: I destroy all traces of the old cor.
- Note: No change in topography on this mile.
- April 22, 1905: At this cor. I set off 12° 11' N., on the decl. arc; and at 0 h 1 m p.m., l.m.t., I observe the sun on the meridian the resulting lat. is 40° 19' N., which is the proper lat. nearly.
-
- North, bet. secs. 7 and 12.
- 40.22 The $\frac{1}{4}$ sec. cor. bet. secs. 7 and 12, on line.
- I move the cor. 22 lks. S. and
- Set a sandstone, 16x10x6 ins., 11 ins. in the ground, for $\frac{1}{4}$ sec. cor. .mkd. $\frac{1}{4}$ on W. face; from which
- A pinon pine, 6 ins. dia., bears S. 28° 30' E., 33 lks. dist. .mkd. $\frac{1}{4}$ S 7 B T.
- A pinon pine, 8 ins. dia., bears S. 36° W., 61 lks. dist. .mkd. $\frac{1}{4}$ S 12 B T.

Corrective Notes of

- Chs. Note: I destroy all traces of the old cor.
- 80.00 The cor. of secs. 1, 6, 7, and 12, on line, which is a sandstone 6x8x6 ins., above ground, firmly set, and mkd. as described by the original field notes; from which
- A pinon pine, 6 ins. dia., bears N. 63° E., 76 lks. dist.. mkd. T 2 S R 5 W S 6 B T.
 - A pinon pine, 20 ins. dia., bears S. 40° E., 130 lks. dist.. mkd. T 2 S R 5 W S 7 B T.
 - A pinon pine, 12 ins. dia., bears S. 79° W., 78 lks. dist.. mkd. T 2 S R 6 W S 12 B T.
 - A pinon pine, 12 ins. dia., bears N. 61° W., 93 lks. dist.. mkd. T 2 S R 6 W S 1 B T.

Note: No change in topography on this mile.

North bet. secs. 1 and 6.

- 40.00 The $\frac{1}{2}$ sec. cor. bet. secs. 1 and 6, on line, properly described in the original field notes.
- 79.80 The cor. of Tps. 1, and 2 S., Rs. 5 and 6 W., described properly in the original field notes.

April 22, 1905.


U.S. Deputy Surveyor.

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


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 Andrew J. Stewart Jr., United States Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the S. E. and N. W. bdy. T. 2 S. R. 4 W.; W. and N. bdy. T. 3 S. R. 5 W. and W. bdy. T. 3 S. R. 5 W. of Uintah Special Base and Meridian, Utah

- John Kienke, Chainman.
Archie Walton, Chainman.
George W. Ekins, Moundman.
Quimby Stewart, Moundman.
John O. Madsen, Axman.
Richard Skousen, Axman.
Wm Burridge, Flagman.

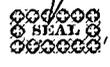
FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted Andrew J. Stewart Jr., United States Deputy Surveyor, in surveying all parts or portions of the S. E. and N. bdy. T. 2 S. R. 4 W.; W. and N. bdy. T. 3 S. R. 5 W. and W. bdy. T. 2 S. R. 5 W. of

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

- John Kienke, Chainman.
Archie Walton, Chainman.
George W. Ekins, Moundman.
Quimby Stewart, Moundman.
John O. Madsen, Axman.
Richard Skousen, Axman.
Wm Burridge, Flagman.

Subscribed and sworn to before me this 2nd day of May, 1905.



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

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, Andrew J. Stewart Jr, United States Deputy Surveyor, solemnly swear that, in pursuance of a contract received from Edward H. Anderson United States Surveyor General for Utah, bearing date of 22 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 the S. and E. and N. bdy's. T. 2 S. R. 4 W.; W. and N. bdy's. T. 3 S. R. 5 W. and W. bdy. T. 2 S. R. 5 W.

of the Utah Spec 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.

Andrew J. Stewart Jr
United States Deputy Surveyor

Subscribed by said Andrew J. Stewart Jr, and sworn to before me }
this 14th day of August, 1905

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



APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salubridity Filed Aug 29, 1905

The foregoing corrected field notes of the survey of the West Boundary of Township South Range 5 West of the Utah Spec Base and Meridian, Utah

executed by Andrew J. Stewart Jr & Alfred Barth under his contract No. 270, 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.

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BOOK A-318

APR 6 1904

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v.

FIELD NOTES

retracement
OF THE SURVEY OF THE

NORTH BOUNDARY

of

Township No. 2 South, Range No. 5 West

Of the UTAH SPECIAL BASE AND Meridian,

UTAH.

AS SURVEYED BY

Andrew J. Stewart, Jr. and Alfred L. Booth, United States Deputy Surveyors

their ~~under~~ Contract No. 270, dated July 22, 1903, 1898

tracement ~~by~~ commenced October 13, 1903, 1903

tracement ~~by~~ completed October 13, 1903, 1903

Returned to me 5, 78, 1904

NAMES AND DUTIES OF ASSISTANTS.

..... Joseph E. Pickens .	Chairman
..... Jacob A. Acord	Chairman
..... Arthur C. Thompson .	Roundman
..... Paul Ashworth	Roundman
..... Thomas E. Taylor Jr.	Axman
..... John H. Kienke	Axman
..... Quinby Stewart	Flagman

For preliminary affidavits see book *J. P. J. R. 11*

INDEX DIAGRAM:

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Meanders Page.....

PRELIMINARY OATHS OF ASSISTANTS.

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

_____, Chainman

_____, Chainman

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



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 }



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 }



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 }



Chains Survey commenced October 13, 1903, 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. Note: For complete test of instrument see notes of subdivision of T. 2 S., R. 5 W., Book "W". At the cor. . . . of Tps. 1 and 2 S., Rs. 5 and 6., W. latitude $40^{\circ}21'07''N.$, longitude $110^{\circ}32'07''W.$, I set off $40^{\circ}21'N.$, on the lat. arc; $7^{\circ}27'S.$, on the decl. arc; and at 8 h 2 m a.m., l.m.t., I determine a meridian with the solar .

Note: On account of the closing of this township I am led to believe that discrepancies exist in the north boundary of Tp. 2 S., R. 5 W., therefore I proceed to retrace the bdy. as follows:

From the cor. of Tps. 1 and 2 S., Rs. 5 and 6 W., heretofore described I run

East, on a retracement line bet. secs. 6 and 31.

36.20 The $\frac{1}{2}$ sec. cor. bet. secs. 6 and 31, which is a sandstone, 8x5x5 ins. above ground, firmly set and marked and witnessed as described by the surveyor general, bears North 65 lks. dist. To better perpetuate the cor. I mark trees as follows;

A pinon pine, 16 ins. diam., bears N. $43^{\circ}E.$, 55 lks. dist., marked $\frac{1}{2}$ S 31 B T.

A pinon pine, 24 ins. diam., bears S. $40^{\circ}W.$, 13 lks. dist., marked $\frac{1}{2}$ S 6 B T.

78.19 The cor. of secs. 5, 6, 31, and 32, which is a sandstone, 5x12x12 ins. above ground, firmly set, and marked and witnessed as described by the surveyor general, bears North 128 lks. dist.

The course of this line is therefore N. $89^{\circ}04'E.$, .

78.20 chs.

Retracement of North bdy. T. 2 S., R. 5 W. -Continued

Chains	East, on a retracement line bet. secs. 5 and 32.
39.90	The $\frac{1}{4}$ sec. cor. bet. secs. 5 and 32, which is a sandstone, 8x18x9 ins. above ground, firmly set, and marked and witnessed as described by the surveyor general, bears N. 63 lks. dist.
79.86	The cor. of secs. 4, 5, 32, and 33, which is a sandstone, 5x15x7 ins., above ground, firmly set, and marked and witnessed as described by the surveyor general, bears North 131 lks. dist.
	The course of this line is therefore N. 89° 04' E., 79.87 chs.
<hr/>	
	East, on a retracement line bet. secs. 4 and 33.
40.06	The $\frac{1}{4}$ sec. cor., bet. secs. 4 and 33, which is a sandstone, 4x9x5 ins. above ground, firmly set, and marked and witnessed as described by the surveyor general, bears N. 60 lks. dist.
80.09	The cor. of secs. 3, 4, 33, and 34, which is a sandstone, 5x10x4 ins. above ground, firmly set, and marked and witnessed as described by the surveyor general, bears North 150 lks. dist. The course of this line is therefore N. 89° 04' E., 80.10 chs.
<hr/>	
	East, on a random line bet. secs. 3 and 34.
40.06	The $\frac{1}{2}$ sec. cor. bet. secs. 3 and 34, which is a sandstone, 6x12x7 ins. above ground, firmly set, and marked and witnessed as described by the surveyor general, bears N. 62 lks. dist.
80.06	The cor. of secs. 2, 3, 34, and 35, which is a sandstone, 6x10x5 ins., above ground, firmly set, and marked and witnessed as described by the surveyor general, bears

V. t boundar of T 2 S R 5 W -Continued

Chains North, 130 lks. dist.; the course of this line is therefore N. $89^{\circ}04'E$. 80.07 chs. dist.

East, on a retracement line bet. secs. 2 and 35.

40.04 The $\frac{1}{4}$ sec. cor. bet. secs. 2 and 35, which is a sandstone, 5x12x5 ins., above ground, firmly set, and marked and witnessed as described by the surveyor general, bears North, 61 lks. dist.

80.06 The cor. of secs. 1, 2, 35, and 36, which is a sandstone, 5x15x5 ins., above ground, firmly set, and marked and witnessed as described by the surveyor general, bears North, 130 lks. dist.; the course of this line is therefore N. $89^{\circ}04'E$., 80.07 chs.

East, on a retracement line bet. secs. 1 and 36.

39.95 The $\frac{1}{4}$ sec cor. bet. secs. 1 and 36, which is a sandstone, 6x15x7 ins. above ground, firmly set, and marked and witnessed as described by the surveyor general, bears North, 60 lks. dist.

76.83 The closing cor. of Tps. 2 S., Rs. 4 and 5 W., heretofore described, bears North, 125 lks. dist.

79.88 The cor. of Tps. 1 S., Rs. 4 and 5 W., heretofore described bears North 130 lks. dist. ; the course of this line is therefore N. $89^{\circ}04'E$., 79.89 chs.

October 13, 1903: At this cor. I set Off $7^{\circ}32'S$., on the decl. arc; and at 0 h 2 m p.m., l.m.t., I observe the s on the meridian, the resulting lat. is $40^{\circ}21'N$.

October 13, 1903.

Note: On account of the great distance and loss of time is obtaining a notary public of any properly authorized officer of the court, I administer the preliminary and final oaths.

Andrew 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 Andrew J. Stewart, Jr., 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 E. bdy. of T. 3 S., R. 4 W.; and the retracement of the W. bdy. of T. 2 S., R. 5 W. of the Uintah Special Base and Meridian, in the State of Utah,~~

showing the respective capacities in which they acted:

- Joseph E. Pickens Chainman.
- Jacob A. Acord Chainman.
- Arthur C. Thompson Moundman.
- Paul Ashworth Moundman.
- Thomas E. Taylor, Jr. Axman.
- John H. Kienke Axman.
- Quincy Stewart Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted Andrew J. Stewart, Jr. ^{retracing and re} ₁ United States Deputy Surveyor, in surveying all

those parts or portions of the E. bdy. of T. 3 S., R. 4 W.; and in retracing all those parts or portions of the W. bdy. of T. 2 S., R. 5 W.

of the Uintah Base and meridian, State of Utah, which are represented

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

General for Utah

- Joseph E. Pickens Chainman.
- Jacob A. Acord Chainman.
- Arthur C. Thompson Moundman.
- Paul Ashworth Moundman.
- Thomas E. Taylor, Jr. Axman.
- John H. Kienke Axman.
- Quincy Stewart Flagman.

described and sworn to before me this 11th day of December, 1903

Andrew Stewart, Jr.
U.S. Deputy Surveyor



FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, Andrew J. Stewart Jr., United States Deputy Surveyor, 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 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~~ ^{retraced and re-surveyed} all those parts or portions of the S. bdy. of T. 3 S., R. 12 W.; and ~~surveyed~~ ^{retraced} all those parts or portions of the N. bdy. of T. 2 S., R. 5 W.

of the Uintah Special Base and ~~meridian~~ ^{in books 1 & V} meridian, in the State of Utah, which are represented in the foregoing field notes as having been ~~surveyed~~ ^{retraced} by me, and under my direction; and I do further solemnly swear that all the corners of said ~~survey~~ ^{retracement} have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for Utah and in the specific manner described in the field notes, and that the foregoing are the original field notes of such ~~survey~~ ^{retracement}; and should any fraud be detected, I will suffer the penalty of perjury under the provisions of an Act of Congress approved August 8, 1846.

Andrew J. Stewart Jr.
United States Deputy Surveyor

Subscribed by said Andrew J. Stewart Jr. and sworn to before me }
this 6th day of April, 1904

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



APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, August 22, 1904

The foregoing field notes of the ~~survey~~ ^{retracement} of the North Boundary of Township No. 2 South, Range No. 5 West of the Uintah Special Base and Meridian, Utah,

executed by Andrew J. Stewart Jr. and Alfred L. Booth under ~~his~~ ^{their} contract No. 270, dated July 22, 1903, ~~1903~~, having been critically examined, and the necessary corrections and explanations made, the said field notes, and ~~the~~ ^{retracements} 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.

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BOOK A-318

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FIELD NOTES

OF THE SURVEY OF THE

SUBDIVISION

of

Township No. 2 South, Range No. 5 West

Of the UTAH SPECIAL BASE AND Meridian,

UTAH

AS SURVEYED BY

Andrew J. Stewart Jr. and Alfred L. Booth, United States Deputy Surveyors,
their

Under ~~XX~~ Contract No. 270, dated July 22, 1903, 1899

Survey commenced October 13, 1903, 1899

Survey completed October 25, 1903, 1899

High 59.33.88 ✓ low 0.21.00 ✓
city 28.37 ✓

NAMES AND DUTIES OF ASSISTANTS.

Joseph E. Pickens	Chainman
Jacob A. Acord	Chainman
Arthur C. Thompson	Moundman
Paul Ashworth	Moundman
Thomas E. Taylor Jr.	Axman
John H. Kienke	Axman
Quinby Stewart	Flagman

For preliminary affidavits see book *D* Tp. 45 R. 4 *W*

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R0318

BOOK A-318

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Meanders Page.....

PRELIMINARY OATHS OF ASSISTANTS.

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

....., Chainman
....., Chainman

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



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 }



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 }



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 }



Survey commenced October 13, 1903; and executed with a W. and L. E. Gurley light, mountain transit, No. 1, with solar attachment. The horizontal limb is provided with two double verniers placed opposite to each other, reading to single minutes of arc; which is also the least count of the 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 10, 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 $40^{\circ}15'54''N.$, longitude $110^{\circ}26'29''W.$, I set off $40^{\circ}16'N.$, on the lat. arc; $7^{\circ}34'S.$, on the decl. arc; and at 4 h 2 m p.m., l.m.t., determine with the solar a meridian and mark a point thereof on a stone, firmly set in the ground, 5.00 chs. N. of cor.

At 6 h 4 m p.m., l.m.t., I observe Polaris at eastern elongation, 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.

October 13, 1903.

October 14, 1903: At 7 h 30 m a.m., l.m.t., I lay off the azimuth of Polaris $1^{\circ}34.8'$ 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 0.30 ins. east of the mark es-

Subdivision of T. 2 S., R. 5 W. -Continued

established with the solar.

At 8 h 2 m a.m., l.m.t., I set off $40^{\circ}16'N.$, on the lat. arc; $7^{\circ}49'S.$, 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 0.35 ins. east of the mark established by Polaris observation.

The solar apparatus, by p.m. and a.m. observations, defines positions for meridian, respectively about $0'16''$ west and $0'18''$ 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 8 h 20 m a.m. is $N.16^{\circ}37'W.$, the angle thus determined gives the mag. decl. $16^{\circ}37'E.$

From the cor. of secs. 1, 2, 35, and 36., heretofore described., on S. bdy. of Tp.,

I run

$N.0^{\circ}1'W.$, bet. secs. 35 and 36.

Over level canon bottom; through dense sage brush.

3.80 Wash, 20 lks. wide, 3 ft. deep, course W.

10.00 Wash, 20 lks. wide, 5 ft. deep, course SW.

22.00 Leave canon bottom, bears NE and NW.

Enter scattering timber, bears NE and NW.

Ascend rocky side hill.

33.00 Top of ascent, 300 ft. above canon, bears NE and NW.

Thence over mesa.

40.00 Set a sandstone, $14 \times 8 \times 6$ ins., 9 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face; from which

A cedar, 4 ins. diam., bears $S.30^{\circ}E.$, 135 lks.

dist., marked $\frac{1}{4}$ S 36 B T.

A cedar, 10 ins. diam., bears $S.60^{\circ}W.$, 80 lks.

Subdivision of T.2 S.R.5 W.-Continued.

Chains.

dist., marked $\frac{1}{4}$ S 35 B T

50.00 Leave timber bears N.80°W. and S.80°E.

80.00 Set a sandstone 15x10x4 ins. 10 ins. in the ground for cor. of secs. 25, 26, 35, and 36, marked with 1 notch on S. and 1 notch on E. edges; and dig pits 18x18x12 ins. in each sec. $5\frac{1}{2}$ ft. dist.; and raise a mound of earth 4 ft. base, 2 ft. high W. of cor.

Land mountainous and level.

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

Timber cedar and pinon pine.

Undergrowth sagebrush and greasewood.

Good grass for grazing.

Mountainous land, or land covered with dense undergrowth

80.00 chs.

Note: Knowing that the line bet. secs. 25 and 36 will not intersect the E. bdy. of Tp. within limits, I run

N. 89° 54' E. on a random line bet. secs. 25 and 36

for distance only.

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

80.16 Intersect E. bdy. of Tp., or First Guide Meridian West, 3.24 chs. S. of the cor. of secs. 25, 30, 31, and 36, heretofore described. Th

Set a sandstone 18x14x4 ins. 12 ins. in the ground, for closing cor. of secs. 25 and 36, marked C C on W., with 5 grooves on N. and 1 groove on S. faces; from which

A cedar 14 ins. diam. bears S. 35° W. 65 lks. dist.

marked T 2 S R 5 W S 36 B T

A cedar 24 ins. diam. bears N. 44° W. 13 lks. dist.

marked T 2 S R 5 W S 25 B T

I destroy all marks on the cor. of secs. 25, 30, 31, and 36 which pertain to secs. 25, and 36.

Thence I run

S. 89° 54' W. on a true line bet. secs. 25 and 36

SUBDIVISION OF T.2 S.R.5 W.-Continued.

Chains 7.00	Ascending through heavy cedar and pinon pine timber bears N.30°W. and S.30°E.
10.00	Enter mesa bears N.80°W, and S.80°E.
18.16	Leave cedar and pinon pine timber bears N.30°W. and S.30°E.
32.16	Leave mesa; descend; through scattering cedar and pine.
39.96	Bottom of hollow 150 ft. below mesa bourse S.W.
40.08	Set a sand cobble stone 16x8x6 ins. 11 ins. in the ground for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on N. face; from which A cedar 3 ins. diam. bears N.29°E. 59 lks. dist. marked $\frac{1}{4}$ S 25 B T A pinon pine 5 ins. diam. bears S.30°W. 48 lks. dist. marked $\frac{1}{4}$ S 36 B T
	Ascend.
44.88	Top of spur, projects S. Descend.
46.80	Wash 50 lks. wide, 10 ft. deep, in bottom of canon 50 ft. below spur, course S.20°E. Ascend; leave scattering timber bears N.W. and S.
56.66	Enter mesa bears N.W. and S.; through dense undergrowth.
80.16	The cor. of secs. 25, 26, 35, and 36. Land mountainous. Soil sandy and gravelly loam and rocky; 2nd and 4th rate. Timber cedar and pinon pine. Undergrowth sagebrush and shadscales. Good grass for grazing. Mountainous or heavily timbered land, or land covered with dense undergrowth 80.16 chs.
	N.0°1'W. bet. secs. 25 and 26
	Over level mesa; through dense undergrowth.
30.00	Enter heavy cedar and pinon pine timber bears E. and W.
34.00	Leave timber bears E. and W.
40.00	Set a cobble stone 16x10x6 ins. 11 ins. in the ground for

Subdivision of T.2 S.R.5 W.-Continued .

- Chain . $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on W.face;and raise a mound of stones 2 ft.base $1\frac{1}{2}$ ft.high W.of cor.
- 46.00 Leave mesa bears N.50°W, and S.50°E.
Descend.
- 70.00 Foot of descent 250 ft.below mesa,bears N.30°W.and S.30°E.
Enter bottom of canon.
- 80.00 Set a sandstone 18x16x5 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;and raise a mound of stone 2 ft. base $1\frac{1}{2}$ ft.high W.of cor.
Land mountainous and level.
Soil sandy and gravelly loam and rocky;2nd and 4th rate.
Timber cedar and pinon pine.
Undergrowth sagebrush.
Good grass for grazing.
Mountainous or heavily timbered land,or land covered with dense undergrowth 80.00 chs.
October 14,1903,at this cor.I set off 7°54'S.on the decl.arc;and at 0 h.2 m.p.m.1.m.t.I observe the sun on the meridian;the resulting lat.is 40°18'N.,which is the proper lat.,nearly.

For reasons already explained I run N.89°54'E.on a random line bet.secs.24 and 25,for distance only.

- 40.00 Set temp. $\frac{1}{4}$ sec.cor.
- 80.38 Intersect E.bdy.of Tp.or First Guide Meridian West 3.20 chs.S.of the cor.of secs.19,24,25, and 30,heretofore described,
Set a sandstone 18x9x4 ins.12 ins.in the ground,for closing cor.of secs.24 and 25,marked with C C on W.and 4 grooves on N.and 2 grooves on S.faces;and raise a mound

*See
Notes
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Subdivision of T.2 S.R.5 W.-Continued.

Chains.

of stone 2 ft. base $1\frac{1}{2}$ ft. high W. of cor.

I destroy all marks on the cor. of secs. 19, 24, 25, and 30 which pertain to secs. 24 and 25.

Thence I run

S. $89^{\circ}54'$ W. on true line bet. secs. 24 and 25.

Over mesa; through scattering pine timber.

40.19 Set a sandstone 20x15x12 ins. 15 ins. in the ground for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; from which

A pinon pine 12 ins. diam. bears N. 20° W. 75 lks. dist. marked $\frac{1}{4}$ S 24 B T

A pinon pine 10 ins. diam. bears S. W. 95 lks. dist. marked $\frac{1}{4}$ S 25 B T

42.90 Leave mesa; enter ledges, bears N. and S.; descend.

Through heavy timber

47.15 Leave ledges, bears N. and S.

72.65 Leave timber bears N. and S.

Descend.

75.13 Enter canon 450 ft. below mesa bears N. and S.

79.05 Wash 50 lks. wide, 10 ft. deep, course S.

80.38 The cor. of secs. 23, 24, 25, and 26.

Land mountainous and level.

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

Timber cedar and pinon pine.

Undergrowth sagebrush and shadscales.

Good grass for grazing.

Mountainous or heavily timbered land, or land covered with dense undergrowth 80.38 chs.

N. $0^{\circ}1'$ W. bet. secs. 23 and 24

Over level canon bottom; through dense undergrowth.

5.00 Wash 30 lks. wide, 8 ft. deep, course S. 20° E.

5.25 Leave canon bottom, bears N. 20° W. and S. 20° E.

Ascend through scattering timber.

25.00 Begin ascent of point of ridge bears N.

fl 2

Subdivision of T.2 S.R.5 W.-Continued.

Chains.

40.00

Set a sandstone 16x10x4 ins. 11 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face; from which

A pinon pine 17 ins. diam. bears S. 10° E. 25 lks. dist. marked $\frac{1}{4}$ S 24 B T

A pinon pine 13 ins. diam. bears N. 75° W. 65 lks. dist. marked $\frac{1}{4}$ S 23 B T

45.00

Leave ridge bears N.W. and S.

Descend gradually along side of mountain.

80.00

Set a sandstone 18x12x7 ins. 12 ins. in the ground for cor. of secs. 13, 14, 23, and 24, marked with 3 notches on S. and 1 notch on E. edges; from which

A pinon pine 10 ins. diam. bears N. 35° E. 150 lks. dist. marked T 2 S R 5 W S 13 B T

A pinon pine 12 ins. diam. bears S. 75° E. 65 lks. dist. marked T 2 S R 5 W S 24 B T

A pinon pine 10 ins. diam. bears S. 70° W. 50 lks. dist. marked T 2 S R 5 W S 23 B T

A pinon pine 12 ins. diam. bears N. 25° W. 75 lks. dist. marked T 2 S R 5 W S 14 B T

Land mountainous and level.

Soil sandy and gravelly loam and rocky; 2nd and 4th rate. Timber cedar and pinon pine.

Undergrowth sagebrush and shadscales.

Good grass for grazing.

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

October 14, 1903.

October 15, 1903: At 8 h. a. m. l. m. t. I set off 40° 19' N. on the lat. arc. 8° 11' S. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 13, 14, 23, and 24. Thence I run, for reasons already explained, N. 89° 54' E. on a random line bet. secs. 13 and 24, for distance only.

Subdivision of T.2 S.R.5 W.-Continued.

- Chains.
- 40.00 Set temp. $\frac{1}{2}$ sec. cor..
- 80.20 Intersect E.bdy.of Tp,or the First Guide Meridian West,
290 lks.S.of the cor.of secs.13,18,19,and 24,heretofore
described.
- Set a sandstone 18x12x9 ins.12 ins.in the ground for
closing cor.of secs.13 and 24,marked C C on W.;with 3
grooves on N.and 3 grooves on S.faces;from which
- A cedar 12 ins.diam.bears S.41°W.94 lks.dist.
marked T 2 S R 5 W S 24 B T
- A cedar 10 ins.diam.bears N.15°W.50 lks.dist.
marked T, 2 S R 5 W S 13 B T
- I destroy all marks on the cor.of secs.13,18,19,and 24
which pertain to secs.13 and 18.
- Thence I run
- S.89°54'W.on a true line bet.secs.13 and 24
Over rolling mesa.
- 10.00 Leave mesa;descend gradually;through heavy timber and
scattering undergrowth.
- 40.10 Set a sandstone 16x6x6 ins.11 ins.in the ground for $\frac{1}{4}$
sec.cor.,marked $\frac{1}{4}$ on N.face;from which
- A pinon pine 18 ins.diam.bears N.70°W.56 lks.dist.
marked $\frac{1}{4}$ S 13 B T
- A pinon pine 8 ins.diam.bears S.50°W.50 lks.dist.
marked $\frac{1}{4}$ S 24 B T
- 41.20 Enter ledges bear N.and S.
- Descend abruptly over series of sandstone ledges 10 to
40 ft.high.
- 64.20 Bottom of canon;course S.
- Ascend.
- 80.20 The cor.of secs.13,14,23,and 24;300 ft.above canon.
Land mountainous.and level.
Soil sandy and gravelly loam and rocky;2nd and 4th rate.
Timber cedar and pinon pine.
Undergrowth sagebrush.
Good grass for grazing.

Subdivision of T.2 S.R.5 W.-Continued.

Chains.

Mountainous and, or heavily timbered land 80.20 chs.

N.0°1'W. bet. secs. 13 and 14

Over mountainous land; through dense undergrowth and heavy timber.

Ascend.

11.00 Top of ridge 200 ft. above sec. cor., bears E. and W.

Descend.

23.00 Bottom of canon 300 ft. below ridge course S.30°E.;

Ascend.

40.00 Top of ascent 300 ft. above canon, bears E. and W.

Set a sandstone 18x8x6 ins. 12 ins. in the ground for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face; from which

A cedar 16 ins. diam. bears S.80°E. 65 lks. dist. marked $\frac{1}{4}$ S 13 B T

A cedar 10 ins. diam. bears N.75°W. 75 lks. dist. marked $\frac{1}{4}$ S 14 B T

Thence over mesa.

55.00 Leave mesa bears E. and W.

Descend.

67.00 Bottom of hollow 200 ft. below mesa, course E.

Ascend.

74.00 Top of ascent 250 ft. above hollow, bears E. and W.

Thence over mesa.

77.00 Leave timber bears E. and W.

80.00 Set a cobble stone 15x8x5 ins. 10 ins. in the ground for cor. of secs. 11, 12, 13, and 14, marked with 4 notches on S. and 1 notch on E. edges; and raise a mound of stone 2 ft. base $1\frac{1}{2}$ ft. high W. of cor.

Land mountainous and level.

Soil sandy and gravelly; 2nd rate.

Timber cedar and pinon pine.

Undergrowth sagebrush.

See Note B Page 12

See Note Page 12

10
SUBDIVISION OF T. 2 S. R. 5 W. - Continued.

Chains.

Good grass for grazing.
Mountainous or heavily timbered land, or land covered with dense undergrowth 80.00 chs.

For reasons already explained I run
N. 89° 54' E. on a random line bet. secs. 12 and 13 for distance only.

40.00 Set temp. $\frac{1}{4}$ sec. cor.
80.10 Intersect E. bdy. of Tp., or First Guide Meridian West, 265 lks. S. of the cor. of secs. 7, 12, 13, and 18, heretofore described.

Set a quartzite stone 16x10x6 ins. 11 ins. in the ground for closing cor. of secs. 12 and 13, marked C C on W., with 2 grooves on N. and 4 grooves on S. faces; from which

A cedar 10 ins. diam. bears S. 48° W. 30 lks. dist.
marked T 2 S R 5 W S 13 B T

A cedar 12 ins. diam. bears N. 46° W. 254 lks. dist.
marked T 2 S R 5 W S 12 B T

Destroy marks on cor. secs. 7, 12, 13, and 18 pertaining to secs. 12 and 13; thence I run

S. 89° 54' W. on a true line bet. secs. 12 and 13

Over mountainous land; through heavy cedar and pinon pine timber.

40.05 Set a quartzite stone 16x8x6 ins. 11 ins. in the ground for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on N. face; from which

A cedar 8 ins. diam. bears N. 12° E. 44 lks. dist.
marked $\frac{1}{4}$ S 12 B T

A cedar 8 ins. diam. bears S. 24° W. 47 lks. dist.
marked $\frac{1}{4}$ S 13 B T

Ascend gradually.

60.10 Enter mesa, bears N. E. and S. W.

65.10 Leave heavy cedar and pinon pine timber bears N. 80° W. and S. 80° E.

Enter dense undergrowth.

*to Rock 5
13*

Subdivision of T.2 S.R.5 W.-Continued.

Chains

80.10 The cor.of secs.11,12,13,and 14.
 Land mountainous.and level.
 Soil sandy loam;2nd rate.
 Timber cedar and pinon pine..
 Undergrowth sagebrush.
 Good grass for grazing.
 Mountainous or heavily timbered land,or land covered with
 dense undergrowth 80.10 chs.
 October 15,1903:At this cor.I set off 8°16'S.on the dec..
 arc;and at 0 h.2 m.p.m.l.m.t.I observe the sun on the
 meridian;the resulting lat.is 40°19'N.,which is the
 proper lat.,nearly.

N.0°1'W.bet.secs.11 and 12

Over rolling mesa;through dense undergrowth.

23.00 Leave mesa bears N.70°W.and S.70°E'

Enter heavy timber bears N.70°W.and S.70°E.

Descend.

30.00 Bottom of hollow 100 ft.below mesa,course E.

Ascend.

40.00 Top of ridge 100 ft.above hollow bears E.and W.

Set a sandstone 16x10x5 ins.11 ins.in the ground,for $\frac{1}{4}$
 sec.cor.,marked $\frac{1}{4}$ on W.face;from which

A cedar 10 ins.diam.bears N.E.325 lks.dist.
 marked $\frac{1}{4}$ S 12 B T

A cedar 8 ins.diam.bears S.70°W.59 lks.dist.
 marked $\frac{1}{4}$ S 11 B T

Descend.

60.00 Old road bears E.and W.,in bottom of hollow 200 ft.be-
 low ridge,course E.

Ascend.

64.00 Top of ascent 100 ft.above hollow bears N.75°E.and S.
 75°W.

Subdivision of T.2 S.R.5 W -Continued

Chains
80.00

Set a cobble stone 18x8x6 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 cedar 24 ins. diam. bears N. 72° E. 90 lks. dist.

marked T 2 S R 5 W S 1 B T

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

Land mountainous and level.

Soil sandy and gravelly; 2nd rate.

Timber cedar and pinon pine.

Undergrowth sagebrush.

Good grass for grazing.

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

For reasons already explained, I run

N. 89° 54' E. on a random line bet. secs. 1 and 12, for distance only.

40.00 Set temp. ¼ sec. cor.

80.00 Intersect E. bdy. of Tp., or First Guide Meridian West, 2.60 chs. S. of the cor. of secs. 1, 6, 7, and 12, heretofore described.

Set a sandstone 16x12x6 ins. 11 ins. in the ground for closing cor. of secs. 1 and 12, marked with 1 groove on N. and 3 grooves on S., and C C on W. faces; from which

A cedar 8 ins. diam. bears S. 57° 30' W. 40 lks. dist.

marked T 2 S R 5 W S 12 B T

A cedar 10 ins. diam. bears N. 17° W. 190 lks. dist.

marked T 2 S R 5 W S 1 B T

I destroy all marks on the cor. of secs. 1, 6, 7, and 12, which pertain to secs. 1 and 12.

Thence I run

S. 89° 54' W. on a true line bet. secs. 1 and 12

Subdivision of T.2 S.R.5 W.-Continued.

Chains.

Over mountainous land; through cedar and pinon pine timber.

40.00

Set a cobble stone 16x12x10 ins. 11 ins. in the ground for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; from which

A cedar 11 ins. diam. bears N. 80° E. 10.60 chs. dist. marked $\frac{1}{4}$ S. 1 B T

A cedar 8 ins. diam. bears S. 88° E. 7.50 chs. dist. marked $\frac{1}{4}$ S 12 B T

Ascend.

46.00

Enter level mesa bears N. 50° E. and S. 50° W.

Leave timber bears N. 50° E. and S. 50° W.

80.00

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

Land mountainous and level.

Soil sandy loam; 2nd rate.

Timber cedar and pinon pine.

Undergrowth sagebrush.

Good grass for grazing.

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

Knowing from previous retracements that I will not intersect the N. bdy. of the township within limits, I run

N. 0° 1' W. on a true line bet. secs. 1 and 2

Over level mesa; through dense undergrowth.

11.50

Enter scattering cedar and pinon pine timber bears E. and W.

16'00

Leave timber bears E. and W.

40.00

Set a quartzite stone 16x8x5 ins. 11 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face; dig pits 18x18x12 ins. N. and S. of stone 3 ft. dist.; and raise a mound of earth $3\frac{1}{2}$ ft. base $1\frac{1}{2}$ ft. high W. of cor.

84.30

Intersect N. bdy. of Tp. 290 lks. S. 89° 4' W. of cor. of secs. 1, 2, 35 and 36, which is a sandstone 5x15x5 ins. above

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Subdivision of T.2 S.R.5 W.-Continued.

Chains.

ground, firmly set and marked and witnessed as described by the surveyor general.

Set a quartzite stone 18x10x8 ins. 11 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; and raise a mound of stone 2 ft. base 1½ ft. high S. of cor.

Note: I destroy all marks on the cor. of secs. 1, 2, 35, and 36 which pertain to secs. 1 and 2.

Land level.

Soil sandy loam; 2nd rate.

Timber cedar and pinon pine.

Undergrowth sagebrush.

Good grass for grazing.

Land covered with dense undergrowth 84.30 chs.

October 15, 1903.

October 16, 1903, at 8 h. 2 m. a. m. I set off 40°16' N. on the lat. arc; 8°34' S. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 2, 3, 34, and 35 on south boundary of the township, heretofore described.

Thence I run

N. 0°2' W. bet. secs. 34 and 35

Over mountainous land; through scattering timber.

Descend.

12.00 Foot of descent 200 ft. below sec. cor., bears N. 60° W. and S. 60° E.

Leave timber, and enter dense rabbit brush bears N. 60° W. and S. 60° E.

Enter bottom of Duchesne River Canon.

14.00 Leave rabbit brush and enter dense willows and bull.

Subdivision of T.2 S. R.5 W.-Continued.

Chains

- berry brush and scattering cottonwood timber, bears E. and W.
- 16.50 Right bank of DuChesne River, rapid current, rocky bottom, 2½ ft. deep, course E.
- 18.50 Left bank of river.
- 23.00 Leave willows and bull berry brush and timber, and enter dense sage brush and greasewoods and shadscale, bears E. and W.
- 26.00 Heber-Vernal road, bears N. 60° W. and S. 60° E.
- 40.00 Set a sand cobble stone, 15x10x6 ins., 10 ins. in the ground, for ½ sec. cor., marked ½ 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 Set a quartzite cobble stone, 16x10x5 ins., 11 ins. in the ground, for cor. of secs. 26, 27, 34, and 35, marked with 1 notch on S. and 2 notches on E. edges; and raise a mound of stone, 8 ft. base, 1½ ft. high, W. of cor.
- Land, mountainous and level.
- Soil, sandy loam and rocky; 2nd and 4th rate.
- Timber, cedar, pinon pine, and cottonwood,.
- Undergrowth, sage brush, rabbit brush, greasewood, willows and bull berry brush.
- Good grass for grazing.
- Mountainous land, or land covered with dense undergrowth, 80.00 chs.

N. 85° 54' E., on a random line bet. secs. 26 and 35.

40.00 Set temp. ½ sec. cor.

80.20 Intersect N. and S. line; 15 lks. N. of the cor. of secs. 25, 26, 35, and 36.

Thence 1 run

West, on a true line bet. secs. 26 and 35.

Over level mesa; through dense undergrowth.

*See corrective
Book 8 Page 3*

Subdivision of T. 2 S., R. 5 W. -Continued.

Chains

- 40.10 Set a hard sand cobble stone, 15x10x4 ins., 10 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; 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 the cor.
- 43.00 Leave mesa, bears NW and SE.
Descend through scattering timber .
- 54.00 Bottom of hollow, 200 ft. below mesa, course S. 30° W.
Thence along hill side gradually descending.
- 70.00 Foot of descent, bears N. 45° W. and S. 45° E.
Enter bottom of DuChesne River Canon .
Leave timber , bears NW and SE.
- 80.20 The cor. of secs. 26, 27, 34, and 35.
Land, mountainous and level.
Soil, sandy loam; 2nd rate.
Timber, cedar and pinon pine.
Undergrowth, sage brush and shadscales.
Good grass for grazing.
Mountainous land, or land covered with dense undergrowth, 80.20 chs.
-
- N. 0° 2' W., bet. secs. 26 and 27.
Over level canon bottom; through dense undergrowth.
- 10.00 Leave canch bottom, bears NW and SE.
Enter scattering timber , bears NW and SE.
Ascend.
- 25.00 Top of spur, 200 ft. above sec. cor., bears N. 60° W. and S. 60° E.
Descend .
- 40.00 Set a limestone cobble, 15x8x4 ins., 11 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face; from which
A cedar, 4 ins. diam., bears N. 66° E., 60 lks.

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Map Book 8
page 3

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Map Book 8
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W - ntinued

- Chains dist., marked $\frac{1}{4}$ S 26 B T.
A cedar, 7 ins. diam., bears S. 40° W., 42 lks.
dist., marked $\frac{1}{4}$ S 27 B T.
45.50 Bottom of hollow, 250 ft. below spur, course S. 30° W.
Ascend..
75.75 Top of spur, 300 ft. above hollow, bears E. and W.
Descend..
80.00 Set a sandstone, 24x12x6 ins., 18 ins. in a mound of
stone on solid rock, for cor. of secs. 22, 23, 26, and 27
marked with 2 notches on S., and E. edges; from which
A cedar, 5 ins. diam., bears N. 85° E., 27 lks.
dist. marked T 2 S R 5 W S 23 B T.
A cedar, 14 ins. diam., bears S. 37° E., 171 lks.
dist., marked T. 2 S; R 5 W S 26 B T.
A pinon pine, 7 ins. diam., bears S. 9° W., 48
lks. dist., marked T 2 S R 5 W S 27 B T.
A cedar, 9 ins. diam., bears N. 42° W., 41 lks.
dist., marked T 2 S R 5 W S 22 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 land, or land covered with dense under-
growth, 80.00 chs.

October 16, 1903: At this cor. I set off 8° 39' S., 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° 18' N.,

East, on a random line bet. secs. 23 and 26.

40.00 Set temp. $\frac{1}{2}$ sec. cor.

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Subdivision of T 2 S . R 5 W -Continued

Chains

80.40 Intersect N. and S. line, 23 lks. S. of the cor. of secs. 23, 24, 25, and 26.

Thence I run

S. 89° 50' W., on a true line bet. secs. 23 and 26.

Over level canon bottom; through dense undergrowth.

6.00 Leave canon bottom, bears N. 10° W. and S. 10° E.

Ascend

8.00 Enter scattering timber, bears N. and S.

40.20 Top of spur, 300 ft. above canon, bears N. 30° W. and S. 30° E.

Set a sandstone, 15x8x4 ins., 10 ins. in the ground,

for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; from which

A pinon pine, 3 ins. diam., bears N. 40° W., 55

lks. dist., marked $\frac{1}{4}$ S 23 B T.

A cedar, 4 ins. diam., bears S. 50° W., 85 lks.

dist., marked $\frac{1}{4}$ S 26 B T.

Descend through heavy timber. Over sandstone ledges.

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

Land, mountainous and level.

Soil, sandy 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, 80.40 chs.

N. 0° 2' W., bet. secs. 22 and 23.

Over mountainous land; through heavy timber.

Ascend

25.00 Enter ledges, bears E. and W.

40.00 Set a sandstone, 15x10x4 ins., 10 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face; from which

Subdivision of T. 2 S. R. 5 W. -Continued.

Chains

- A pinon pine, 4 ins. diam., bears N. 85° E., 30
 lks. dist., marked $\frac{1}{4}$ S 23 B T.
- A pinon pine, 3 ins. diam., bears N. 60° W.,
 135 lks. dist., marked $\frac{1}{4}$ S 22 B T.
- 52.00 Top of spur, 500 ft. above sec. cor., bears N. 70° W.
 and S. 70° E.
- Descend .
- 62.50 Bottom of hollow, 150 ft. below spur, course SE.
 Ascend . Leave timber, bears E. and W.
- 80.00 Set a sandstone, 16x10x4 ins., 11 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, $1\frac{1}{2}$ ft. high, W. of cor.
- Land, mountainous .
- Soil, rocky; 4th rate.
- Timber, cedar and pinon pine.
- A very little grass.
- Mountainous or heavily timbered land, 80.00 chs .

N. 89° 50' E., on a random line bet. secs. 14 and 23.

- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 80.42 Intersect N. and S. line, 13 lks. N. of the cor. of secs.
 13, 14, 23, and 24.
- Thence I run
- S. 89° 56' W., on a true line bet. secs. 14 and 23.
- Over mountainous land; through heavy timber.
- Ascend over ledges and boulders.
- 30.00 Top of spur, 100 ft. above sec. cor., bears N. and S.
 Descend .
- 40.21 Set a sandstone, 20x8x6 ins., 15 ins. in the ground,
 for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; from which
- A pinon pine, 15 ins. diam., bears N. 35° W., 93
 lks. dist., marked $\frac{1}{4}$ S 14 B T.

Subdivision of T.2 S., R.5 W.-Continued.

Chains

A pinon pine, 8 ins. diam., bears S. 20° E., 53
 lks. dist., marked $\frac{1}{4}$ S 23 B T.

46.00 Ledge, 25 ft. high, bears NW and S. 30° E.

47.00 Ledge, 20 ft. high, bears NW and S. 30° E.

53.20 Bottom of hollow, 150 ft. below spur, course S. 30° E.
 Ascend .

70.00 Top of rocky spur, 150 ft. above hollow, bears N. 60° W.
 and S. 30° E.
 Descend . Leave timber; bears N. 80° W. and S. 80° E.

80.42 The cor. of secs. 14, 15, 22, and 23.
 Land, mountainous . Very rough.
 Soil, gravelly and rocky; 3rd and 4th rate.
 Timber, cedar and pinon pine.
 No Undergrowth.
 Good grass for grazing.
 Mountainous or heavily timbered land, 80.42 chs.

October 16, 1903.

October 17, 1903: At 8 h 2 m a.m., l.m.t., I set off
 40° 19' N., on the lat. arc; 8° 56' S., 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 mountainous land; through scattering timber.
 Ascend over ledges .

7.00 Top of rocky point, 100 ft. above sec. cor., bears NW.
 and SE.
 Descend .

20.00 Bottom of hollow, 300 ft. below spur, course SE.
 Ascend .

Chains

40.00 Set a sandstone, 18x12x10 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.

60.00 Leave ledges and ascend more gradually, bears E. and W.

80.0 Set a sandstone, 18x12x4 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; from which

A cedar, 12 in s. diam., bears N. 70° E., 15 lks. dist. marked T 2 S R 5 W S 11 B T .

A cedar, 12 ins. diam., bears S. 34° E., 35 lks. dist., marked T 2 S R 5 W S 14 B T .

A pinon pine, 10 ins. diam., bears S. 67° W., 12 lks. dist., marked T 2 S R 5 W S 15 B T .

A pinon pine, 10 ins. diam., bears N. 50° W., 23 lks. dist., marked T 2 S R 5 W S 10 B T .

Land, mountainous.

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

Timber, cedar and pinon pine.

Good grass for grazing.

Mountainous land, 80.00 chs.

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

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

80.48 Intersect N. and S. line, 19 lks. S. of the cor. of secs. 11, 12, 13, and 14.

Thence I run

S. 89° 48' W., on a true line bet. secs. 11 and 14.

Over level mesa; through dense undergrowth.

40.24 Set a sandstone, 15x10x4 ins., 10 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; 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.

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*See Corv
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Page 14*

Subdivision of T. 2 S., R. 5 W. - Continued

Chains

65.00 Enter heavy timber, bears N. 50° W. and S. 50° E.

70.00 Leave mesa, bears N. 50° W. and S. 50° E.

Descend .

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

Land, mountainous and level.

Soil, sandy 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, 80.48 chs.

October 17, 1903: At this cor. I set off 9° 1' S., on the decl. arc; and at 0 h 1 m p. m., l. m. t., I observe the sun on the meridian, the resulting lat. is 40° 19' N., which is the proper lat. nearly.

N. 0° 2' W., bet. secs. 10 and 11.

Over mountainous land; through scattering timber and scattering undergrowth.

Ascend .

8.00 Top of ascent, 100 ft. above sec. cor., bears N. 65° W. and S. 65° E.

Enter dense undergrowth

Thence over mesa.

18.00 Leave timber, bears E. and W.

40.00 Set a quartzite stone, 16x14x6 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.

49.00 Leave undergrowth and enter heavy timber, bears E. and W.

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to Book 8
p. 14

See descriptive
to Book 8
p. 15

Subdivision of T. 2 S., R. 5 W. -Continued.

Chains

54.00 Leave timber and enter dense undergrowth, bears E. and W.

80.00 Set a quartzite stone, 16x10x5 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; dig pits, 18x18x12 ins. in each sec. 5 1/2 ft. dist., and raise a mound of earth, 4 ft. base, 2 ft. high, W. of cor. Land, Mountainous and level. Soil, sandy and gravelly loam; 2nd 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.

N. 89° 48' E., on a random line bet. secs. 2 and 11.

40.00 Set temp. 2 sec. cor.

80.24 Intersect N. and S. line, 5 lks. E. of the cor. of secs. 1, 2, 11, and 12.

Thence I run

S. 85° 50' W., on a true line bet. secs. 2 and 11.

Over level. mesa; through dense undergrowth.

34.00 Old road, bears NW and SE

40.12 Set a cobble ^{stone} 16x10x5 ins., 11 ins. in the ground, for 1/4 sec. cor., marked 1/4 on N. face; dig pits, 18x18x12 ins. E. and W. of stone, 3 ft. dist.; and raise a mound of earth, 3 1/2 ft. base, 1 1/2 ft. high; N. of cor.

80.24 The cor. of secs. 2, 3, 10, and 11.

Land, level.

Soil, sandy loam; 2nd rate.

See corrective notes Book 28 Page 15

Subdivision of T. 2 S. R. 5 W -Continued

Chains No timber.
 Undergrowth, sage brush.
 Good grass for grazing.
 Land covered with dense undergrowth, 80.24 chs.

For reasons already explained I run
 N. 0° 2' W., on a true line bet. secs. 2 and 3.
 Over level mesa; through dense undergrowth.

6.00 Enter heavy timber, bears N. 60° W. and S. 60° E.
 12.00 Leave timber, bears E. and W.
 21.00 Old road, bears N. 60° W. and S. 60° E.
 40.00 Set a cobble stone, 16x10x4 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.

83.42 Intersect N. bdy. of Tp. 2. 86 chs. S. 89° 04' W. of cor. of secs.
 2, 5, 34, and 35, which is a sandstone, 5x10x5 ins. above
 ground, firmly set, and marked and witnessed as des-
 cribed by the surveyor general.

Set a cobble stone, 16x10x6 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; and raise
 a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, S. of cor.

Note: I destroy all marks on the cor. of secs. 2, 3, 34,
 and 35, which pertain to secs. 2 and 3.

Land, level.
 Soil, sandy loam; 2nd rate.
 Timber, cedar and pinon pine.
 Undergrowth, sage brush and shadscales.
 Good grass for grazing.
 Heavily timbered land, or land covered with dense un-
 dergrowth, 83.42 chs.

October 17, 1905.

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Division of T 2 S R 5 W -Continued

Chains

October 191905 :At 8 h 2 m a.m.,l.m.t.,I set off 40° 16'N.,on the lat.arc; 9°40'S.,on the decl.arc;and determine a meridian,with the solar,at the cor.of secs.3,4,33,and 34,on S.bdy.of Tp.,heretofore described.

Thence I run

N.0°2'W.,bet.secs.33 and 34.

Over mountainous land;through heavy timber.

Descend ..

31.50 Bottom of hollow,250 ft.below sec.cor.,course SE.

Ascend over a series of perpendicular sandstone ledges,from 5 to 15 ft. high .

40.00 Set a sandstone,15x6x6 ins.,10 ins.in the ground, for $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on W.face;from which

A cedar,4 ins.diam.,bears S.80°E.,50 lks. dist.,marked $\frac{1}{4}$ S 34 B T.

A cedar,3 ins.diam.,bears N.60°W.,150 lks. dist.,marked $\frac{1}{4}$ S 33 B T.

51.00 Top of ridge,350 ft.above hollow,bears N.60°W.and S.60°E.

Descend over ledges.

71.00 Foot of descent,400 ft.below ridge,bears N.60°W. and S.60°E.Leave ledges.

Enter bottom of DuChesne River Canon .

Leave heavy timber and enter scattering timber and dense undergrowth of sage brush and greasewoods, bears N.60°W.and S.60°E.

73.50 Pole fence,bears NE and SW.

80.00 Set a sandstone,18x9x7 ins.,12 ins.in the ground, for cor.of secs.27,28,33,and 34,marked with 1 notch on S.and 3 notches on E.edges;from which

A cedar,6 ins.diam.,bears S.35°E.,200 lks. dist.,marked T 2 S R 5 W S-34 B T.

A cedar,9 ins.diam.,bears S.58°W.,195 lks.

Chains

dist., marked T 2 S R 5 W S 33 B 1.

A cedar, 7 ins. diam., bears N. 58° W., 280 lks.

dist., marked T 2 S R 5 W S 28 B 1.

No other tree within limits; and raise a mound of stone, 2 ft. base, 1½ ft. high, E. of cor.

Land, mountainous and level.

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

Timber, cedar and pinon pine.

Undergrowth, sage brush and greasewoods.

Good grass for grazing.

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

N. 85° 54' E., on a random line bet. secs. 27 and 34.

40.00 Set temp. ¼ sec. cor.

79.90 Intersect N. and S. line, 20 lks. N. of the cor. of secs. 26, 27, 34, and 35.

Thence I run

N. 85° 55' W., on a true line bet. secs. 27 and 34.

Over level canon bottom; through dense sage brush and greasewoods.

24.50 Wash, 25 lks. wide, 10 ft. deep, course S. 20° E.

20.00 Old road, bears N. 20° W., and S. 20° E.

39.95 Set a sandstone, 15x10x7 ins., 10 ins. in the ground, for ¼ sec. cor., marked ¼ on N. face; and raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.

From this point an Indian Cabin (log) bears S. 35° E., 3.25 chs. dist.

48.50 Heber-Vernal road, bears NW and SE.

53.50 Leave sage brush and greasewoods and enter dense willows, bears N. and E.

64.40 Left bank of DuCherme River, sandy bottom, moderate current, 3 ft. deep, course S. 60° E.

67.50 Right bank of river.

Location of the Books

Location of the Books

Subdivision of T.2 S., R.5 W. -Continued.

Chains

- 73.60 Pole fence, bears N. 30° E. and S. 30° W.
Leave willows and enter dense sage brush and grease-
woods, bears N. 30° E. and S. 30° W.
- 79.90 The cor. of secs. 27, 28, 33, and 34.
Land, level.
Soil, sandy and clay loam; 2nd rate.
No timber.
Undergrowth, sage brush, greasewoods, and willows.
Good grass for grazing.
Land, covered with dense undergrowth, 79.90 chs.
-
- N. 0° 2' W., bet. secs. 27 and 28.
Over level canon bottom; through dense sage brush
and greasewoods.
- 3.50 Leave undergrowth and enter meadow land, bears NW
and SE.
- 10.00 Leave meadow and enter dense willows and bull berry
brush, bears N. 60° W. and S. 60° E.
- 16.25 Right bank of DuChesne River, sandy bottom, moderate
current, 2½ ft. deep, course S. 60° E.
- 18.00 Left bank of river.
- 19.00 Leave willows and bull berry brush and enter dense
greasewoods and sage brush, bears N. 60° W. and S. 60° E.
- 34.00 Heber Vernal road, bears NW and SE.
- 40.00 Set a sandstone, 16x10x7 ins., 11 ins. in the ground, ½
sec. cor., marked ¼ on W. face; and raise a mound of
stone, 2 ft. base, 1½ ft. high, W. of cor.
- 46.00 Leave canon bottom, bears N. 75° W. and S. 75° E.
Leave dense undergrowth and enter scattering under-
growth, and scattering cedar and pinon pine timber,
bears N. 75° W. and S. 75° E.
Ascend

*See
Notes Book
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of cont.*

Subdivision of T 2-S. R. 5-W -Continued

Chains

80.00 Set a sandstone, 15x6x6 ins., 10 ins. in the ground, for
 -- cor. of secs. 21, 22, 27, and 28, marked with 2 notches on
 S. and 3 notches on E. edges; from which
 A cedar, 7 ins. diam., bears N. 77° E., 120 lks.
 dist., marked T 2 S R 5 W S 22 B T.
 A pinon pine 7 ins. diam., bears S. 57° E., 25
 lks. dist., marked T 2 S R 5 W S 27 B T.
 A pinon pine, 9 ins. diam., bears S. 29° W., 60
 lks. dist., marked T 2 S R 5 W S 28 B T.
 A pinon pine, 9 ins. diam., bears N. 27° W., 70
 lks. dist., marked T 2 S R 5 W S 21 B T.

Land, mountainous and level .

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

Timber, cedar and pinon pine.

Undergrowth, sage brush, greasewoods, willows, and
 bull berry brush.

Good grass for grazing.

Mountainous land, or land covered with dense under-
 growth, 80.00 chs.

October 19, 1903: At this cor. I set off 9° 45' S., on the
 decl. arc; and at 0 h 1 m p.m. l.m.t., I observe the sun
 on the meridian, the resulting lat. is 40° 18' N., which
 is the proper lat. nearly.

S. 89° 55' E. , on a random line bet. secs. 22 and 27.

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

80.10 Intersect N. and S. line, 12 lks. S. of the cor. of secs.
 -- 22, 23, 26, and 27.

Thence I run

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

Over mountainous land; through scattering timber and
 scattering undergrowth .

See correction
 Atlas Book 8
 page 4
 in 2nd
 in front

Subdivision of T. 2 S. R. 5 W. - Continued.

Chains Descend .

10.00 Bottom of hollow, 200 ft. below sec. cor., course S. 30° W. A small stream of water, $\frac{1}{2}$ lk. wide, $\frac{1}{2}$ in. deep, in bottom. Good water.

Ascend .

12.50 Top of spur, 25 ft. above hollow, bears N. and S.

Descend .

15.50 Bottom of hollow, 30 ft. below spur, course S. 30° E.

Ascend .

38.00 Top of ridge, 350 ft. above hollow, bears N. and S.

Descend .

40.05 Set a sandstone, 16x9x5 ins., 11 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; from which

A pinon pine, 7 ins. diam., bears N. 22° E., 240 lks. dist., marked $\frac{1}{4}$ S 22 B T.

A cedar, 7 ins. diam., bears S. 27° E., 35 lks. dist., marked $\frac{1}{4}$ S 27 B T.

80.10 The cor. of secs. 21, 22, 27, and 28.

Land, mountainous .

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

Timber, cedar and pinon pine.

Undergrowth, sage brush.

Good grass for grazing.

Mountainous land, 80.10 chs.

N. 0° 2' W., bet. secs. 21 and 22.

Over mountainous land; through scattering timber and scattering undergrowth.

Ascend over a series of perpendicular ledges from 5 to 100 ft. high.

40.00 Set a sandstone, 24x10x4 ins., 18 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face; from which

A pinon pine, 6 ins. diam., bears S. 30° E., 130 lks. dist., marked $\frac{1}{4}$ S 22 B T.

*See
Note B
Page 4
indicated
in front*

Subdivision of T. 2 S. R. 5 W. - Continued

Chains

- A cedar, 5 ins. diam., bears W., 100 lks. dist. marked $\frac{1}{4}$ S. 21 B T.
- 51.65 Top of ridge, 1000 ft. above sec. cor., and 200 ft. above $\frac{1}{4}$ sec. cor., bears N. 30° W. and S. 30° E.
Thence continue to ascend gradually over ledges from 5 to 15 ft. high.
- 80.00 Set a sandstone, 16x10x7 ins., 11 ins. in the ground, for cor. of secs. 15, 16, 21, and 22, marked 2 S. on NE., 5 W on SE faces; and 3 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 very rough.
Soil, rocky; 4th rate.
Timber, cedar and pinon pine.
Undergrowth, sage brush.
Good grass for grazing.
Mountainous land, 80.00 chs.
- October 19, 1903: At this cor. I set off 40° 19' N., on the lat. arc; 9° 45' S., on the decl. arc; and at 4 h 30 m p.m. l.m.t., determine with the solar a meridian, and mark a point thereof on a stone already set 5.00 chs. N. of the cor.
- At 5 h 41 m p.m., l.m.t., I observe Polaris at eastern elongation, 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.

October 19, 1903.

October 20, 1903: At 7 h 30 m a.m., l.m.t., I lay off the azimuth of Polaris 1° 34.8' to the west, and mark a point in the meridian thus determined, by cutting a small groove in the stone already set 5.00 chs. N. of the cor.; this mark falls 0.38 ins. east of the mark

Subdivision of T 2 S R 5 W.-Continued.

Chains determined with the solar.

At 8 h 2 m a.m., l.m.t. I set, off $40^{\circ}19'N$, on the lat. arc; $10^{\circ}1'S$, on the decl. arc; and mark a point in the meridian determined with the solar, by a cross on the stone already set 5.00 chs. N. of the cor.; this mark falls 0.3 ins. east of the meridian established by the Polaris observation.

The solar apparatus, by p.m. and a.m. observations defines positions for meridians respectively about $0'20''$ 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 8 h 30 m a.m. is $N.16^{\circ}35'W$., the angle thus determined gives the mean mag. decl. $16^{\circ}35'E$.

Thence I run

East, on a random line bet. secs. 15 and 22.

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

80.32 Intersect N. and S. line, 19 lks. S. of the cor. of secs. 14, 15, 22, and 23.

Thence I run

$S.89^{\circ}52'W$., on a true line, bet. secs. 15 and 22.

Over mountainous land; through scattering timber and scattering undergrowth.

Descend .

18.50 Bottom of hollow, 100 ft. below sec. cor., course S.E.

Ascend .

40.16 Set a sandstone, $18 \times 10 \times 4$ 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.

55.00 Top of ridge, 700 ft. above hollow, bears NE and SW.

Descend .

89.00 Bottom of hollow, 300 ft. below ridge, course S.

Subdivision of T. 2 S., R. 5 W. -Continued

Chains	Thence along side of ridge . Ascend .
80.32	The cor. of secs. 15, 16, 21, and 22. . Land, mountainous. Soil, gravelly and rocky; 3rd and 4th rate. Timber, cedar and pinon pine. Undergrowth, sage brush. 0 Good grass for grazing. Mountainous land, 80.32 chs.

	N. 0° 2' W., bet. secs. 15 and 16 . Over very rough and mountainous land; through scattering timber and scattering undergrowth. Ascend over ledges from 10 to 100 ft. high .
40.00	Set a sandstone, 18x9x6 ins., 12 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face; from which A cedar, 10 ins. diam., bears S. 67° E., 56 lks. dist., marked $\frac{1}{4}$ S 15 B T. A cedar, 20 ins. diam., bears N. 89° W., 22 lks. dist., marked $\frac{1}{4}$ S 16 B T.
60.00	Top of ascent, 600 ft. above sec. cor., bears NE and SW. Leave ledges and enter dense undergrowth, bears with top of ascent. Thence over rolling mesa.
70.00	Leave timber, bears E. and W.
80.00	Set a sandstone, 16x12x5 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; 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. Land, mountainous and rolling . . . Soil, sandy loam on mesa and rocky on mountain; 2nd and 4th rate. Timber, cedar and pinon pine.

Chains Undergrowth, sage brush.
 Good grass for grazing.
 Mountainous land, or land covered with dense under-
 growth, 80.00 chs.

N. 89° 52' E., on a random line bet, secs, 10 and 15.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 80.18 Intersect N. and S. line, 2 lks. N. of the cor. of secs.
 10, 11, 14, and 15.
 Thence 1 run
 S. 89° 53' W., on a true line bet, sec. 10 and 15.
 Over mountainous land; through scattering timber and
 scattering undergrowth.
 Descend .
 29.00 Bottom of hollow, 250 ft. below sec. cor., course S. 15°
 E.
 Ascend .
 40.09 Set a sandstone, 14x9x5 ins., 9 ins. in the ground,
 for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; from which
 A cedar, 8 inc. diam., bears N. 69° E., 19 lks.
 dist., marked $\frac{1}{4}$ S 10 B T.
 A cedar, 12 ins. diam., bears S. 19° W., 89 lks.
 dist., marked $\frac{1}{4}$ S 15 B T.
 41.00 Leave timber, bears N. and S.
 57.00 Top of ridge, 300 ft. above hollow, bears N. and S. Desc nd.
 60.00 Enter dense sage brush, bears N. and S.
 65.00 Thence over rolling mesa.
 80.18 The cor. of secs. 9, 10, 15, and 16.
 Land, mountainous and level.
 Soil, sandy loam and rocky; 2nd and 4th rate.
 Timber, cedar and pinon pine.
 Undergrowth, sage brush.
 Good grass for grazing.

Subdivision of T. 2 S., R. 5 N. - Continued

Chains Mountainous land, or land covered with dense undergrowth, 80.18 chs.

October 20, 1905: At this cor. I set off $10^{\circ} 0' S.$ on the decl. arc; and at 0 h 1 m p.m., l.m.t., I observe the sun on the meridian, the resulting lat. is $40^{\circ} 19' N.$

N. $0^{\circ} 2' W.$, bet. secs. 9 and 10.

Over rolling mesa; through dense undergrowth.

40.00 Set a sandstone, 14x7x5 ins., 9 ins. in the ground, for $\frac{1}{2}$ sec. cor., marked $\frac{1}{2}$ on W. face; and dig pits, 18x18x12 ins. N. and S. of stone, 3 ft. dist.; and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

79.00 Enter heavy timber, bears E. and W.

Leave undergrowth, bears E. and W.

80.00 Set a cobble stone, 18x10x5 ins., 12 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, 8 ins. diam., bears N. $43^{\circ} E.$, 55 lks. dist., marked T 2 S R 5 W S 3 B T.

A cedar, 5 ins. diam., bears S. $23^{\circ} E.$, 45 lks. dist., marked T 2 S R 5 W S 10 B T.

A pinon pine, 8 ins. diam., bears S. $31^{\circ} W.$, 53 lks. dist., marked T 2 S R 5 W S 9 B T.

A pinon pine, 8 ins. diam., bears N. $32^{\circ} W.$, 78 lks. dist., marked T 2 S R 5 W S 4 B T.

Land, level.

Soil, sandy loam; 2nd rate.

Timber, cedar and pinon pine.

Undergrowth, sage brush.

Good grass for grazing.

Heavily timbered land, or land covered with dense undergrowth, 80.00 chs.

*See locust tree
in Book 8
page 16
see index
of front.*

Subdivision of T 2 S, R. 5 W. -Continued.

Chais

N. 89° 53' E., on a random line bet. secs. 3 and 10.

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

80.10 Intersect N. and S. line, 12 lks. S. of the cor. of secs. 2, 3, 10, and 11.

Thence I run

S. 89° 48' W., on a true line bet. secs. 3 and 10.

Over level mesa; through dense undergrowth.

40.05 Set a quartzite stone, 16x9x8 ins., 11 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.

78.50 Leave undergrowth and enter heavy timber, bears N. and S.

80.10 The cor. of secs. 3, 4, 9, and 10.

Land, level.

Soil, sandy loam; 2nd rate.

Timber, cedar and pinon pine.

Undergrowth, sage brush.

Good grass for grazing.

Heavily timbered land, or land covered with dense undergrowth, 80.10 chs.

*See lower
Note 13
Page 17*

For reasons already explained I run

N. 0° 2' W., on a true line bet. secs. 3 and 4.

Over level mesa; through heavy timber.

4.00 Leave timber and enter dense undergrowth, bears E. and W.

40.00 Set a cobble stone, 16x8x4 ins., 11 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.

82.59 Intersect N. bdy. of Tp., 2.80 chs. S. 89° 04' W. of cor. of secs. 3, 4, 33, and 34, which is a sandstone, 4x10x4 ins. above ground, firmly set; and marked and witnessed as

*See lower
Note 13
Page 17*

Subdivision of T 2 S E 5 W -Continued

Chains

described by the surveyor general.

Set a quartzite stone, 14x12x5 ins., 9 ins. in the ground, for closing cor. of secs. 3 and 4, marked C.C. on S., with 3 grooves on E. and 3 grooves on W. faces; and raise a mound of stone, 2 ft. base, 1½ ft. high, S. of cor. Destroy marks on old cor. pertaining to secs. 3 & 4. Land, level.

Soil, sandy loam; 2nd rate.

Timber, cedar and pinon pine.

Undergrowth, sage brush.

Good grass for grazing.

Heavily timbered land, or land covered with dense undergrowth, 82.59 chs.

October 20, 1903.

October 21, 1903: At 8 h 2 m a.m., l.m.t., I set off 40° 16' N., on the lat. arc; 10° 23' S., on the decl. arc; and determine a meridian, with the solar, at the cor. of secs. 4, 5, 32 and 33, on S. bdy. of Tp., heretofore described.

Thence I run

N. 0° 3' W., bet. secs. 32 and 33.

Over rolling mesa; through dense undergrowth.

12.00 Leave mesa, bears N. 70° W. and S. 70° E.

Descend through scattering cedar and pinon pine timber.

34.75 Bottom of hollow, 75 ft. below mesa, course S. 70° E.

Ascend

40.00 Set a sandstone, 24x12x7 ins., 18 ins. in the ground, for ¼ sec. cor., marked ¼ on W. face; from which

A cedar 6 ins. diam. bears S. 40° E., 210 lks. dist., marked ½ S 33. B T.

Subdivision of T 2 S. R. 5 W. -Continued.

- Chains A cedar, 6 ins. diam., bears S. 45° W., 192 lks.
dist., marked $\frac{1}{4}$ S 32 B T.
- 47.00 Top of spur, 100 ft. above hollow, bears N. 70° W and S.
70° E.
Descend .
- 59.75 Bottom of hollow; 75 ft. below spur, course S. 75° E.
Ascend .
- 80.00 Set a sandstone, 18x10x10 ins. in mound of stone on
solid rock, for cor. of secs. 28, 29, 32, and 33, marked with
1 notch on S. and 4 notches on E. edges; from which
A pinon pine, 10 ins. diam., bears N. 25° E.,
lks. dist., marked T 2 S R 5 W S 28 B T.
A pinon pine, 12 ins. diam., bears S. 15° E., 83
lks. dist., marked T 2 S R 5 W S 33 B T.
A cedar, 4 ins. diam., bears S. 30° W., 129 lks.
E. dist., marked T 2 S R 5 W S 32 B T.
A pinon pine, 11 ins. diam. bears N. 80° W., 33
lks. dist., marked T 2 S R 5 W S 29 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 land, or land covered with dense under-
growth, 80.00 chs,

N. 89° 54' E., on a random line bet. secs. 28 and 33.

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

80.12 Intersect N. and S. line 19 lks. N. of the cor. of secs.
27, 28, 33, and 34.

Thence 1 run

N. 89° 58' W., on a true line bet. secs. 28 and 33

*See
Notes
Page 4*

Chians Over level canon bottom; through dense sage brush and greasewoods, and scattering cedar timber.

14.00 Leave canon bottom, bears N. 30° W. and S. 30° E.
 Leave dense undergrowth and enter scattering undergrowth and heavy timber, bears N. 30° W. and S. 30° E.
 Ascend.

20.00 Fence (wire), bears N. and S.

34.00 Top of steep ascent, bears N 30° W. and S. 30° E.
 Thence ascend gradually.

40.06 Top of ridge, 250 ft. above canon bottom, bears N. 30° W. and S. 30° E.
 Set a sandstone, 16x10x8 ins., 11 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; from which
 A cedar, 8 ins. diam., bears N. 2° W., 21 lks. dist., marked $\frac{1}{4}$ S. 28 B.T.
 A cedar, 11 ins. diam., bears S. 5° W., 18 lks. dist., marked $\frac{1}{4}$ S. 33 B.T.
 Descend.

80.12 The cor. of secs. 28, 29, 32, and 35.
 Land, mountainous and level.
 Soil, sandy loam and rocky; 2nd and 4th rate.
 Timber, cedar and pinon pine.
 Undergrowth, sage brush and greasewoods.
 Good grass for grazing.
 Mountainous or heavily timbered land, or land covered with dense undergrowth, 80.12 chs.
 N. 0° 3' W., bet. secs. 28 and 29.
 Over mountainous land; through heavy timber.
 Ascend over sandstone ledges and boulders.

80.00 Top of ridge, 300 ft. above sec. cor.; bears N. 60° W. and S. 60° E.
 Descend abruptly over ledges.

See Corrective
 Note Book
 Page 4

Subdivision of T 2 S R 5 W -Continued

Chains

- 32.00 Foot of descent, leave ledges, bears N. 60° W. and S. 60° E.
Enter DuChesne River Canon.
Leave timber; enter dense sagebrush and greasewoods, bears N. 60° W. and S. 60° E.
- 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; dig pits, 18x18x12 ins. N. and S. of stone, 3 ft. dist.; and raise a mound of earth, 3 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor.
- 51.00 Old road, bears E. and W.
- 55.00 Leave sage brush and greasewoods and enter dense willows and bull berry brush, bears E. and W.
- 65.00 Enter heavy cottonwood timber, bears E. and W.
- 73.80 Right bank of DuChesne River, rocky bottom rapid current, 2 ft. deep, course E.
- 74.60 Left bank of River.
- 76.75 Leave willows and bull berry brush and cottonwood timber and enter dense sage brush, bears E. and W.
- 80.00 Set a sandstone, 18x8x8 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; 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.
Land, mountainous and level.
Soil, sandy loam and gravelly and rocky; 2nd 3rd and 4th rate.
Timber, cedar and pinon pine and cottonwood.
Undergrowth, sagebrush, greasewoods, willows, and bull berry brush.
Good grass for grazing.
Mountainous or heavily timbered land, or land covered with dense undergrowth, 80.00 chs.
October 21, 1903: At this cor. I set off 10° 28' S., on the decl. arc; and at 0 h 1; m. p. m., l. m. t.; I observe-

Subdivision of T. 2 S., R. 5 W. -Continued

Chains the sun on the meridian, the resulting lat. is $40^{\circ}18'$ N., which is the proper lat. nearly.

S. $89^{\circ}58'E.$, on a random line bet. secs. 21 and 28.

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

80.30 Intersect N. and S. line, 14 lks. N. of the cor. of secs. 21, 22, 27, and 28.

Thence I run

N. $89^{\circ}52'W.$, on a true line bet. secs. 21 and 28.

Over mountainous land; through scattering timber and scattering undergrowth.

Descend.

17.00 Bottom of hollow, 200 ft. below sec. cor., course S. $30^{\circ}W.$

Ascend

25.00 Top of ascent, 200 ft. above hollow, bears N. $30^{\circ}E.$ and S. $30^{\circ}W.$

Enter heavy timber, bears N. $30^{\circ}E.$ and S. $30^{\circ}W.$

Thence over mesa.

40.15 Set a sandstone, 16x8x5 ins., 11 ins. in the ground, for $\frac{1}{2}$ sec. cor., marked $\frac{1}{2}$ on N. face; from which

A pinon pine, 5 ins. diam., bears N. $20^{\circ}E.$, 50 lks. dist., marked $\frac{1}{2}$ S 21 B T.

A pinon pine, 6 ins. diam. bears S. $40^{\circ}E.$, 75 lks. dist. marked $\frac{1}{2}$ S 28 B T.

46.20 Leave mesa, bears N. $70^{\circ}W.$ and S. $70^{\circ}E.$

Descend

57.00 Foot of descent, 200 ft. below mesa, bears N. $70^{\circ}W.$ and S. $70^{\circ}E.$

Leave timber and enter dense sage brush, bears N. $70^{\circ}W.$ and S. $70^{\circ}E.$

Enter DuChesne River Canon bottom.

78.20 Heber-Vernal road, bears N. $60^{\circ}W.$ and S. $60^{\circ}E.$

See Corrections
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Page 5

See Corrections
Notes Book 8
Page 5

Chains

See Book page 5

80.30 The cor. of secs. 20, 21, 28, and 29.
 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 cover with dense undergrowth, 80.30 chs.

N. 0° 5' W., bet. secs. 20 and 21

Over level canon bottom; through dense sage brush.

1.50 Heber-Vernal road, bears N. 60° W. and S. 60° E.

11.00 Leave canon bottom, bears N. 60° W. and S. 60° E.

Enter scattering timber, bears N. 60° W. and S. 60° E.

Ascend over low ledges

13.00 Top of ascent, 200 ft. above canon bottom, bears N. 60° W. and S. 60° E. Leave ledges, bears N. 60° W. and S. 60° E. Thence over mesa

40.00 Set a sandstone, 20x14x4 ins., 15 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face; from which

A cedar, 8 ins. diam., bears S. 79° E., 59 lks. dist., marked $\frac{1}{4}$ S 21 B T.

A pinon pine, 6 ins. diam.; bears S. 70° W., 30 lks. dist., marked $\frac{1}{4}$ S 20 B T.

46.00 Leave mesa, bears E. and W.

Ascend abruptly over ledges and boulders.

80.00 Set a sandstone, 18x10x8 ins., 12 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; from which

A pinon pine, 16 ins. diam.; bears N. 60° E., 22 lks. dist., marked T 2 S R 5 W S 16 B T.

Subdivision of T. 2 S., R. 5 W., -Continued.

Chains

A cedar, 8 ins. diam. bears S. 23° E., 51 lks. dist., marked T 2 S R 5 W S 21 B T.

A pinon pine, 6 ins. diam., bears S. 40° W., 70 lks. dist., marked T 2 S R 5 W S, 20 B T.

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

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

S. 89° 52' E., on a range line bet. secs. 16 and 21

40.00 Set temp. sec. cor.

80.38 Intersect N. and S. line, 19 lks. S. of the cor. of secs. 15, 16, 21, and 22.

Thence 1 run

West, on a true line bet. secs. 16 and 21.

Over mountainous land; through heavy timber.

Ascend over ledges.

12.00 Top of ridge, 300 ft. above sec. cor., bears N. and S.

Descend over ledges.

22.50 Bottom of hollow, 600 ft. below ridge, course S. 10° E.

Ascend

40.19 Top of spur, 600 ft. above hollow, bears N. and S.

Set a sandstone, 24x12x9 ins., 18 ins. in the ground, for ¼ sec. cor., marked ¼ on N. face; from which

A pinon pine, 6 ins. diam., bears N. 20° E., 41

lks. dist., marked ¼ S 16 B T.

A pinon pine, 8 ins. diam., bears S. 50° W., 53

Chains lks. dist., marked $\frac{1}{4}$ S 21 B T.

59.00 Descend over ledges.

60.00 Bottom of hollow, 550 ft. below ridge, course S. 10° W.
Ascend

64.00 Top of spur, 250 ft. above hollow, bears N. and S.
Descend

68.00 Bottom of hollow, 300 ft. below spur, course S. 20° E.
Ascend over ledges.

80.38 Cor. of secs. 16, 17, 20, and 21.
This cor. is 600 ft. above hollow.
Land, mountainous, very rough ledges on entire mile.
Soil, rocky; 4th rate.
Timber, cedar and piñon pine.
Good grass for grazing.
Mountainous or heavily timbered land, 80.38 chs.

October 21, 1903.

October 22, 1903: At 8 h 2 m a.m., l.m.t., I set off
40° 19' N., on the lat. arc; 10° 44' S., on the decl. arc;
and determine a meridian, with the solar, at the cor.
of secs. 16, 17, 20, and 21.

Thence I run

N. 0° 3' W., bet. secs. 16 and 17.

Over mountainous land, through heavy timber;

Ascend over a series of ledges from 10 to 200 ft. hig.

40.00 Set a sandstone, 18x12x5 ins., 12 ins. in the ground,
for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face; from which

A cedar, 10 ins. diam., bears N. 70° E., 62 lks.
dist., marked $\frac{1}{4}$ S 16 B T.

A cedar, 19 ins. diam., bears N. 42° W., 72 lks.
dist., marked $\frac{1}{4}$ S 17 B T.

62.00 Top of ascent, 800 ft. above sec. cor., bears N. 60° W. and
S. 60° E.

Subdivision of T 2 S R 5 W -Continued

Chains Thence over rolling mesa . . .

80.00 Set a sandstone, 18x11x4 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 cedar, 12 ins. diam., bears N. 36° E., 40 lks. dist., marked T 2 S R 5 W S 9 B T.

A cedar, 8 ins. diam., bears S. 40° E., 70 lks. dist., marked T 2 S R 5 W S 16 B T.

A cedar, 10 ins. diam., bears S. 15° W., 30 lks. dist., marked T 2 S R 5 W S 17 B T.

A cedar, 12 ins. diam., bears N. 20° W., 45 lks. dist., marked T 2 S R 5 W S 8 B T.

Land, mountainous and level.

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

Timber, cedar and pinon pine.

Good grass for grazing.

Mountainous or heavily timbered land, 80.00 chs .

East, on a random line bet. secs. 9 and 16.

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

80.26 Intersect N. and S. line, 9 lks. S. of the cor. of secs. 9, 10, 15, and 16.

Thence 1 run

S. 89° 50' W., on a true line bet. secs. 9 and 16.

Over rolling mesa, through dense undergrowth.

40.13 Set a sandstone, 16x9x8 ins., 11 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.

55.00 Enter heavy timber, bears N. 10° W. and S. 10° E.

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

Land, level.

Soil, sandy loam; 2nd rate.

Timber, cedar and pinon pine.

Subdivision of T.2 S. R.5 W.-Continued.

Chains Undergrowth sage brush.

Good grass for grazing.

Heavily timbered land, or land covered with dense undergrowth, 80.26 chs.

October 22, 1903: At this cor. I set off $10^{\circ}49'S$, on the decl. arc; and at 0 h 1 m .p.m., l.m.t., I observe the sun on the meridian, the resulting lat. is $40^{\circ}19'N$, which is the proper lat. nearly.

$N.0^{\circ}3'W$, bet. secs. 8 and 9.

Over level mesa; through heavy timber .

35.00 Leave mesa, bears $N.80^{\circ}E$ and $S.10^{\circ}W$.

Descend .

40.00 Set a sandstone, $16 \times 10 \times 6$ ins., 11 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face; from which

A cedar, 8 ins. diam., bears $E.$, 15 lks.

dist., marked $\frac{1}{4} S 9 B T$.

A cedar, 8 ins. diam., bears $S.70^{\circ}W$, 20 lks.

dist., marked $\frac{1}{4} S 8 B T$.

46.00 Bottom of hollow, 205 ft. below ridge, course $N.70^{\circ}W$.

Ascend over ledges .

48.00 Leave timber, bears $E.$ and W .

70.00 Top of ridge, 400 ft. above hollow, bears $N.85^{\circ}W$ and $S.85^{\circ}E$. Leave ledges, bear with ridge.

Descend .

75.00 Enter heavy timber, bears $E.$ and W .

80.00 Set a sandstone, $36 \times 20 \times 6$ ins., 27 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 pinon pine, 11 ins. diam., bears $N.60^{\circ}E$, 115 lks. dist., marked $T 2 S R 5 W S 4 B T$.

A pinon pine, 14 ins. diam., bears $S.30^{\circ}E$, 62 lks. dist., marked $T 2 S R 5 W S 9 B T$.

See low
Notes
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Division of U. S. G. L. Contingent

Chains
 A cedar, 5 ins. diam., bears S. 80° E., 20
 dist., marked T 2 S R 5 W 2 0 B T.
 A pinon pine, 15 ins. diam., bears S. 80° E., 20
 lbs. dist., marked T 2 S R 5 W 2 5 B T.
 Land, mountainous and level.
 Soil, sandy loam and rocky; 2nd and 4th rate.
 Timber, cedar and pinon pine.
 Undergrowth, sage brush.
 Good grass for grazing.
 Mountainous or heavily timbered land, 80.00 chs.

*See location
 White Rock, 1
 page 11*

N. 80° 56' E., on a random line bet. secs. 4 and 9.

40.00 Set temp. 4 sec. cor.
 80.10 Intersect N. and S. line, 12 lbs. S. of the cor. of secs.
 3, 4, 9, and 10.
 Thence I run

*See location
 White Rock, 1
 page 11*

S. 80° 51' W., on a true line bet. secs. 4 and 9.

Over level mesa; through heavy timber.
 2.00 Leave timber, and enter dense undergrowth, bears NW
 and SE.
 23.00 Leave undergrowth and enter heavy timber, bears N. and
 S.
 30.00 Leave timber and enter dense undergrowth, bears N. and
 S.

40.00 Set a quartzite stone, 18x8x5 ins., 12 ins. in the
 ground, far 4 sec. cor., marked 4 on N. face; from
 which

A cedar, 12 ins. diam., bears N. 27° E., 50
 lbs. dist., marked 4 2 4 B T.

A cedar, 10 ins. diam., bears S. 61° E., 120
 lbs. dist., marked 4 2 4 B T.

*See location
 White Rock, 1
 page 11*

40.00 Leave undergrowth, and enter heavy timber, bears N.
 and S.

Subdivisi

Chains

- 57.00 Leave mesa, bears N. and S.
Descend abruptly.
- 80.10 The cor. of secs. 4, 5, 8, and 9.
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 cover
with dense undergrowth, 80.10 chs.

- For reasons already explained I run
N. 0° 3' W., on a true line bet. secs. 4 and 5.
Over mountainous land; through heavy timber.
Descend.
- 12.00 Bottom of hollow, 75 ft. below sec. cor., course S. 80° W.
Ascend.
- 30.00 Top of ridge, 200 ft. above hollow, bears N. 80° E. and
S. 80° W.
Descend.
- 40.00 Get a cobble stone, 20x14x5 ins., 15 ins. in the ground,
for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face; from which
A pinon pine, 12 ins. diam., bears S. 50° E., 30
lks. dist., marked $\frac{1}{4}$ S 4 B T.
A pinon pine, 17 ins. diam., bears S. 80° W., 35
lks. dist., marked $\frac{1}{4}$ S 5 B T.
- 55.00 Bottom of hollow, 200 ft. below ridge, course W.
Ascend.
- 73.00 Top of ascent, 200 ft. above hollow, bears N. 75° W. and
S. 75° E.
Thence over mesa.

See
Notes B
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Subdivision of T 2 S R 5 W -continued

Chains

74.00 Leave timber and enter dense undergrowth, bears N. 80° W. and S. 80° E.

81.70 Intersect N. bdy. of Tp., 2.82 chs. S. 89° 04' W. of cor. of secs. 4, 5, 32, and 33, which is a sandstone, 5x15x7 ins. above ground, firmly set, and marked and witnessed as described by the surveyor general. Set a sandstone, 16x14x7 ins., 11 ins. in the ground, for closing cor. of secs. 4 and 5, marked with C.C. on S., with 4 grooves on E. and 2 grooves on W. faces; and raise a mound of stone, 2 ft. base, 1½ ft. high, S. of cor.

Note: I destroy all marks on the cor. of secs., 4, 5, 32, and 33, which pertain to secs. 4 and 5.

Land, mountainous and level.

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

Timber, cedar and pinon pine.

Undergrowth, sage brush.

Mountainous or heavily timbered land, or land covered with dense undergrowth, 81.70 chs.

October 22, 1903.

October 23, 1903: At 8 h 2 m a.m., l.m.t., I set off 40° 16' N., on the lat. arc; 11° 6' S., 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 level mesa; through dense undergrowth and scattering timber.

40.00 Set a sandstone, 24x6x4 ins., 18 ins. in the ground,

Subdivision of T.2 S. R.5 W.-Continued.

Chains

for $\frac{1}{4}$ sec.cor., marked $\frac{1}{4}$ on W. face; from which

A cedar, 11 ins. diam., bears N. 80° E., 15 lks.
dist., marked $\frac{1}{4}$ S 32 B T.

A cedar, 9 ins. diam., bears N. 40° W., 55 lks.
dist., marked $\frac{1}{4}$ S 31 B T.

Enter heavy timber, bears E. and W.

53.00 Leave moss, bears N. 80° E. and S. 80° W.

Ascend over ledges.

58.50 Top of spur, 200 ft. above mesa, bears E. and W. Leave ledges.

Descend.

80.00 Set a sandstone, 18x8x7 ins., 12 ins. in the ground,
for cor. of sec. 29, 30, 31, and 32, marked with 1 notch
on S. and 5 notches on E. edges; from which

A pinon pine, 10 ins. diam., bears N. 50° E., 150
lks. dist., marked T 2 S R 5 7 S 29 B T.

A pinon pine, 12 ins. diam., bears S. 30° E., 95
lks. dist., marked T 2 S R 5 7 S 32 B T.

A pinon pine, 11 ins. diam., bears S. 85° W., 45
lks. dist., marked T 2 S R 5 35 31 B T.

A pinon pine, 9 ins. diam., bears NW., 83 lks.
dist., marked T 2 S R 5 W S 30 B T.

Land, mountainous and level.

Soil, sandy and gravelly and rocky; 2nd 3rd 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, 80.00 chs.

*See loose
Notes Book
Page 5*

N. 80° 54' E., on a random line bet. sec. 29 and 32.

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

80.22 Intersect N. and S. line, 23 lks. N. of the cor. of sec.

Subdivision of T. 2 S., R. 5 W. - Continued

28, 29, 32, and 33.

Thence I run

N. 89° 56' W., on a true line bet. secs. 29 and 32.

Over mountainous land; through scattering timber.

Descend.

40.11 Set a sandstone, 18x12x4 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 N. 40° W., 230 lks. dist., marked $\frac{1}{4}$ C 29 B 1.

A cedar, 12 ins. diam., bears S. 89° W., 205 lks. dist., marked $\frac{1}{4}$ C 32 B T.

50.00 Leave timber, bears N 60° W. and S. 60° E.

58.40 Bottom of hollow, 200 ft. below sec. cor., course S. 70° E.

Enter dense undergrowth and scattering timber, bears N. 60° W. and S. 70° E.

Ascend.

62.00 Enter heavy timber, bears N. 75° W. and S. 75° E.

80.22 The cor. of secs. 29, 30, 31, and 32.

Land, mountainous.

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, 80.22 chs.

S. 89° 54' W., on a random line bet. secs. 30 and 31.

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

76.27 Intersect W. bdy. of Tp., 23 lks. S. of the cor. of secs. 25, 30, 31, and 36, heretofore described.

Thence I run

Chains

S. 89° 56' E., on a true line bet. secs. 30 and 31.

Over mountainous land; through heavy timber.

Ascend .

30.00 Top of ridge, 250 ft. above sec. cor., bears N. and S.

Descend .

36.27 Set a sandstone, 15x13x4 ins., 10 ins. in the ground,

for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; from which

A pinon pine, 8 ins. diam., bears N. 50° E., 40

lks. dist., marked $\frac{1}{4}$ S 30 B T.

A pinon pine, 6 ins. diam., bears S. 10° W., 35

lks. dist., marked $\frac{1}{4}$ S 31 B T.

*See
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Page 6*

72.50 Bottom of hollow, 400 ft. below ridge, course N. 30° E.

Ascend .

76.27 The cor. of secs. 29, 30, 31, and 32.

Land, mountainous .

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

Timber, cedar and pinon pine.

Good grass for grazing.

Mountainous or heavily timbered land, 76.27 chs.

October 23, 1903: At this cor. I set off 11° 11' S., 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° 17' N., which is the proper lat. nearly.

N. 6° 4' W., bet. secs. 30 and 29.

Over mountainous land; through heavy timber.

Descend over ledges.

9.00 Bottom of hollow, 100 ft. below sec. cor., course S. 70°

E.

Ascend over a series of sandstone ledges from 6 to 30 ft. high.

40.00 Set a sandstone, 20x15x6 ins., 15 ins. in the ground,

for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face; from which

Subdivision of T. 2 S. R. 5 W -Continued

Chains

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See Indisp
in front.

- A pinon pine, 15 ins. diam., bears S. 75° E., 105
lks. dist., marked $\frac{1}{4}$ S 29 B T.
- A pinon pine, 11 ins. diam., bears N. 45° W., 125
lks. dist., marked $\frac{1}{4}$ S 30 B T.
- 42.30 Ledge 40 ft. high, bears E. and W.
- 44.00 Top of ridge, 400 ft. above hollow, bears N. 70° W. and
S. 70° E. Descend abruptly.
- 55.00 Leave ledges, bears N. 70° W. and S. 70° E.
- 62.80 Foot of descent, 800 ft. below ridge, bears E. and W.
Leave timber and enter dense undergrowth.
Enter bottom of DuChesne River Canon .
- 68.00 Enter heavy cottonwood timber, bears E. and W.
- 80.00 Set a quartzite stone, 15x8x6 ins. 10 ins. in the
ground, for cor. of secs. 19, 20, 29, and 30, marked with
2 notches on S. and 5 notches on E. edges; from which
A cottonwood, 10 ins. diam., bears N. 10° E., 60
lks. dist., marked T 2 S R 5 W S 20 B T.
A cottonwood, 7 ins. diam., bears S. 65° E., 150
lks. dist., marked T 2 S R 5 W S 29 B T.
A cottonwood, 10 ins. diam., bears S. 55° W.,
50 lks. dist., marked T 2 S R 5 W S 30 B T.
A cottonwood, 9 ins. diam., bears N. 35° W., 30
lks. dist., marked T 2 S R 5 W S 19 B T.

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See Indisp
front.

Land, mountainous and level .
Soil, sandy loam and rocky; 2nd and 4th rate.
Timber, cedar, pinon pine, and cottonwood.
Undergrowth, sage brush and greasewoods.
Good grass for grazing.
Mountainous or heavily timbered land, or land covered
with dense undergrowth, 80.00 chs.

3. 89° 56' E., on a random line bet. secs. 20 and 29.
40.00 Set temp. $\frac{1}{4}$ sec. cor.

Chains

80.20 Intersect N. and S. line, 5 lks. N. of the cor. of secs. 20, 21, 28, and 29.

Thence I run

N. 89° 54' W., on a true line bet. secs. 20 and 29.

Over level Canon bottom.; Through dense sage brush.

10.75 Pole fence, bears N. and S.

16.00 Pole fence, bears N. and S.

26.00 Old road, bears NW and SE.

37.00 Leave sage brush and enter willows rose bushes and bull berry brush (very dense) and heavy cottonwood timber, bears N. and S.

40.10 Set a sandstone, 18x9x5 ins., 12 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; from which

A cottonwood, 4 ins. diam., bears N. 50° E., 20 lks. dist., marked $\frac{1}{2}$ S 20 B T.

A cottonwood, 4 ins. diam., bears S. 10° W., 30 lks. dist., marked $\frac{1}{4}$ S 29 B T.

48.00 Left bank of DuChesne River, rapid current, 2 ft. deep, course S. E.

49.00 Right bank of River.

61.00 Right bank of DuChesne River, rocky bottom, 2 ft. deep, course N.

62.20 Left bank of river.

69.00 Left bank of DuChesne River, rocky bottom, 2 ft. deep, course S. 60° E.

71.00 Right bank of River.

79.50 Old road, bears N. and S.

80.20 The cor. of secs. 19, 20, 29, and 30.

and, level.

Soil, sandy loam; 2nd rate.

Timber, cottonwood.

Undergrowth, rose bushes, willows, bull berry bushes, sage brush.

Good grass for grazing.

Heavily timbered land, or land covered with dense

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Note B
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Subdivision of T 2 S. R 5 W -Continued

Chains undergrowth, 80.20 chs.

N. 89° 56' W., on a random line bet. secs .19 and

30.

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

76.04 Intersect W. bdy. of Tp., 23 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 mountainous land; through heavy timber .

Descend abruptly over ledges.

33.00 Foot of descent, 500 ft. below sec. cor., leave ledges,

bears NW and SE.

Leave timber and enter dense willows, rose bushes and bull berry brush, bears NW and SE.

Enter bottom DuChesne River Canon.

36.04 Set a sandstone, 18x8x6 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, E. of cor.

41.00 Right bank of DuChesne River, rocky bottom, rapid

current, 2 ft. deep, course S. 30° E.

41.95 Left bank of river.

Enter scattering cottonwood timber, bears N. 30° W. and S. 30° E.

57.00 Left bank of DuChesne River, rocky bottom, rapid

current, 2 ft. deep, course N. 30° E.

58.00 Right bank of river.

76.04 The cor. of secs. 19, 20, 29, and 30.

Land, mountainous and level.

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

Timber, cedar and pinon pine and cottonwood.

Undergrowth, willows, rose bushes, and bull berry brush.

Good grass for grazing.

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Subdivision of T. 2. S. R. 5. W -Continued:

Chairs

Mountainous or heavily timbered land, or land covered with dense undergrowth, 76.04 chs.

October 23, 1903.

October 24, 1903: At 8 h 2 m a.m l.m.t., I set off $40^{\circ}18'N.$, on the lat. arc; $11^{\circ}27'S.$, on the decl. arc; and determine a meridian, with the solar, at the cor. of secs. 19, 20, 29, and 30.

N. $0^{\circ}4'W.$ bet. secs. 19 and 20.

Over level canon bottom; through scattering undergrowth and heavy timber.

- 4.50 Right bank of DuChesne River, rocky bottom, course $S.60^{\circ}E.$
- 5.35 Left bank of river.
- 9.00 leave timber and undergrowth and enter cultivated land, bears E. and W.
- 11.00 An Indian's hay stack and corrals bears $N.60^{\circ}E.$, about 10.00 chs. dist.; his Teepee bears $N.71^{\circ}E.$, about 7.00 chs. dist.
- Another Indian's stacks and corrals bears $S.75^{\circ}E.$, about 3.00 chs. dist., and his Teepee bears $S.85^{\circ}E.$, about 8.00 chs.
- Another Indian's cabin bears $N.81^{\circ}W.$, about 25.00 chs dist.
- Another Indian's cabin bears $N.52^{\circ}W.$, 41.00 chs. dist.
- 13.00 Indian road, bears E. and W.
- 26.30 Wire fence, bears $N.70^{\circ}W.$ and $S.70^{\circ}E.$, on south bank of wash, 20 lks. wide, 6 ft. deep, course $S.70^{\circ}E.$ Leave cultivated land.
- 27.15 Heber-Vernal road, bears $N.70^{\circ}W.$ and $S.70^{\circ}E.$
- 30.00 Leave canon bottom, bears $N.70^{\circ}W.$ and $S.70^{\circ}E.$
- Ascend rocky and ledgy side hill.
- 30:50 Enter scattering timber, bears $N.70^{\circ}W.$ and $S.70^{\circ}E.$

Subdivision of T. 2 S., R. 5 W. -Continued.

Chains

- 40.00 Set a hard sandstone, 15x14x8 ins., 10 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face; from which
- A pinon pine, 8 ins. diam., bears S. 75° E., 59 lks. dist., marked $\frac{1}{4}$ S 20 B T.
- A cedar, 4 ins. diam., bears S. 45° W., 55 lks. dist., marked $\frac{1}{4}$ S 19 B T.
- 47.30 Top of ascent, 400 ft. above canon bottom, bears N. 70° W. and S. 70° E.
- Enter heavy timber, bears N. 70° W. and S. 70° E.
- Thence Over rolling and broken mesa; gradually ascending.
- 70.00 Leave mesa, bears N. 70° W. and S. 70° E.
- Ascend over ledges and boulders.
- 80.00 Set a sandstone, 18x8x5 ins., 12 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, 6 ins. diam., bears N. 74° E., 62 lks. dist., marked T 2 S R 5 W S 17 B T.
- A cedar, 8 ins. diam., bears S. 49° E., 104 lks. dist., marked T 2 S F 5 W S 20 B T.
- A cedar, 8 ins. diam., bears S. 51° W., 48 lks. dist., marked T 2 S R 5 W S 19 B T.
- A pinon pine, 5 ins. diam., bears N. 45° 30' W., 89 lks. dist., marked T 2 S R 5 W S 18 B T.
- Land, mountainous and level.
- Soil, sandy and clay loam and rocky; 2nd and 4th rate.
- Timber, cedar, pinon pine, and cottonwood.
- Undergrowth, willows.
- Good grass for grazing.
- Mountainous or heavily timbered land, 59.00 chs.

S. 89° 54' E., on a random line bet. secs. 17 and 20.

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Chains

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- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 80.00 Intersect N. and S. line, 23 lks. S. of cor. of secs. 16, 17, 20, and 21.

Thence I run

S. $89^{\circ} 56' W.$, on a true line bet. secs. 17 and 20.

Over mountainous land; through scattering timber and scattering undergrowth.

Ascend .

- 3.0 Top of ridge, 100 ft. above sec. cor., bears N. and S.

Descend .

- 28.00 Bottom of hollow, 600 ft. below ridge, course S.

Ascend .

- 40.00 Set a sandstone, 24x10x8 ins., 18 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; from which

- A pinon pine, 6 ins. diam., bears N. $9^{\circ} 30' W.$, 52 lks. dist., marked $\frac{1}{4}$ S 17 B T.

- A cedar, 8 ins. diam., bears S. $11^{\circ} 30' E.$, 39 lks. dist., marked $\frac{1}{4}$ S 20 B T.

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- 42.00 Top of ridge, 550 ft. above hollow, bears N. and S.

Descend .

- 59.00 Bottom of hollow, 500 ft. below ridge, course S.

Ascend .

- 80.00 The cor. of secs. 17, 18, 19, and 20.

Land, mountainous .

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

Timber, cedar and pinon pine.

Undergrowth, sage brush.

Good grass for grazing.

Mountainous land, 80.00 chs..

October 24, 1903: At this cor. I set off $11^{\circ} 32' S.$, on the decl. arc; and at 0 h 2 m p.m., l.m.t., observe the sun on the meridian, the resulting lat. is $40^{\circ} 19' N.$, which is the proper lat. nearly.

Subdivision of T. 2 S., R. 5 W., -Continued.

Chains	
	S. 89° 54' W., on a random line bet. secs. 18 and 19.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
75.82	Intersect W. bdy. of Tp., 5 lks. S. of the cor. of secs. 13, 18, 19, and 24, heretofore described.
	Thence I run
	N. 89° 56' E., on a true line bet. secs. 18 and 19.
	Over level mesa; through heavy timber.
25.00	Leave mesa, bears N. and S.
	Descend abruptly over ledges and boulders.
30.00	Foot of descent, 300 ft. below mesa, bears N. and S.
	Thence enter bottom of Rock Creek Canon.
	Leave timber and enter dense undergrowth, bears N. and S.
	Leave ledges, bears N. and S.
31.00	Enter scattering cottonwood timber, bears N. and S.
35.82	Set a hard cobble stone 15x8x6 ins., 10 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; from which
	A cottonwood, 6 ins. diam., bears N. 30° W., 35 lks. dist.; marked $\frac{1}{4}$ S. 18 B T.
	A cottonwood, 6 ins. diam., bears S. 40° E., 20 lks. dist., marked $\frac{1}{4}$ S 19 B T.
43.00	Right bank of Rock Creek, rapid current, rocky bottom $1\frac{1}{2}$ ft. deep; course S.
43.75	Left bank of creek.
48.00	Old road, bears N. and S.
54.00	Leave timber and undergrowth, bears N. and S.
	Leave canon bottom and begin ascent over ledges and boulders, bears N. and S.
	Enter cedar and pinon pine timber.
75.82	The cor. of secs. 17, 18, 19, and 20.
	Land, mountainous and level.
	Soil, gravelly and rocky; 2nd and 4th rate.
	Timber, cedar, pinon pine, and cottonwood.
	Undergrowth, willows and bull berry brush.
	Good grass for grazing.

See Corrective Note Books Page 9

See Corrective Note Books Page 9

Subdivision of T. 2 S., R. 5 W. -Continued.

Chains

Mountainous or heavily timbered land, or land covered with dense undergrowth, 75.82 chs.

N. 0° 4' W., bet. secs. 17 and 18.

Over mountainous land, through heavy timber.

Ascend .

18.00 Top of ridge, 400 ft. above cor., bears NE and SW.

Descend .

40.00 Set a sandstone, 16x10x5 ins., 11 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face; from which

A pinon pine, 5 ins. diam., bears N. 60° E., 28 lks. dist., marked $\frac{1}{4}$ S 17, B T.

A pinon pine, 8 ins. diam., bears S. 70° W., 52 lks. dist., marked $\frac{1}{4}$ S 18 B T.

80.00 Set a sandstone, 20x10x5 ins., 15 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, 18 ins. diam., bears N. 22° E., 94 lks. dist., marked T 2 S R 5 W S 8 B T.

A cedar, 12 ins. diam., bears S. 82° 30' E., 60 lks. dist., marked T 2 S R 5 W S 17 B T.

A cedar, 12 ins. diam., bears S. 18° W., 87 lks. dist., marked T 2 S R 5 W S 18 B T.

A cedar, 30 ins. diam., bears N. 62° W., 46 lks. dist., marked T 2 S R 5 W S 7 B T.

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.

*See
Note-Book
Page 19*

*See
Note-Book
Page 10*

Chains

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

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

80.10 Intersect N and S. line, 5 lks. S. of the cor. of secs. 8, 9, 16, and 17.

Thence I run

S. 89° 54' W., on a true line bet. secs. 8 and 17.

Over level mesa; through heavy timber.

4.50 Leave mesa, bears N. and S.

Descend

40.05 Set a sandstone, 18x14x4 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 N. 10° E., 49 lks. dist., marked $\frac{1}{4}$ S 8 B T.

A pinon pine, 16 ins. diam., bears S. 30° W., 37 lks. dist., marked $\frac{1}{4}$ S 17 B T.

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

This cor. is 1000 ft. below mesa.

Land, mountainous.

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

Timber, cedar and pinon pine.

Good grass for grazing.

Mountainous or heavily timbered land, 80.10 chs.

October 24, 1903.

October 25, 1903: At 8 h 2 m a.m., l.m.t., I set off 40° 19' N, on the lat. arc; and 11° 48' S., on the decl. arc; and determine a meridian, with the solar, at the cor. of secs. 7, 8, 17, and 18.

Thence I run

S. 89° 56' W., on a random line bet. secs. 7 and 18.

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

Subdivision of T. 2 S., R. 5 W. -Continued

Chains

- 75.62 Intersect W. bdy. of Tp., 5 lks. N. of the cor. of secs. 7, 12, 13, and 18, heretofore described.
- Thence I run
N. 89° 54' E., on a true line bet. secs. 7 and 18.
Over mountainous land; through scattering timber.
Descend .
- 5.50 Foot of descent, 50 ft. below sec. cor., bears N. 30° W. and S. 30° E.
- Leave timber and enter dense undergrowth.
- 9.50 Old road, bears N. and S.
- 21.00 Right bank of Rock Creek, rapid current, rocky bottom, 1½ ft. deep, course S. 10° E.
- 21.90 The left bank of Rock Creek.
- 25.50 Leave canon bottom, bears N. 20° W. and S. 25° E.
Enter scattering cedar and pinon pine.
Descend abruptly.
- 33.00 Top of ascent, 300 ft. above canon bears N. 10° W. and S. 10° E.
- Thence Over level mesa.
- 35.62 Set a cobble stone, 20x8x5 ins., 15 ins. in the round, for ¼ sec. cor., marked ¼ on N. face; from which
A pinon pine, 10 ins. diam., bears N. 20° W., 5 ½ lks. dist., marked ¼ S 7 B T.
A pinon pine, 10 ins. diam., bears S. 60° E., 25 lks. dist., marked ¼ S 18 B T.
- 51.90 Leave mesa, bears N. and S.
Descend .
- 56.90 Foot of descent, 250 ft. below mesa, bears N. 20° E. and S. 20° W.
- Enter bottom of hollow, course S. 20° W.
- 62.50 Leave bottom of hollow, bears N. 20° E. and S. 20° W.
Ascend .
- 67.90 Top of spur, 300 ft. above hollow, bears N. 30° E. and S. 30° W.
Descend .

See
Note Book
Page 10

See
Note B
Pages 11 and
19

Subdivision of T. 2 S R. 5 W continued

Chains	
74.40	Bottom of hollow, 350 ft. below spur, course S. 30° W. . Ascend .
75.62	The cor. of secs. 7, 8, 17, and 18. 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 under- growth, 75.62 chs.
	N. 09° 4' W., bet. secs. 7 and 8.
	Over mountainous land; through heavy timber.
	Descend .
1.00	Bottom of hollow, 20 ft. below sec. cor., course S. 30° W. . Ascend .
34.00	Top of ridge, 300 ft. above hollow, bears N. 20° E. and S. 20° W. . Descend .
40.00	Set a sandstone, 16x8x6 ins., 11 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face; from which A pinon pine, 7 ins. diam., bears N. 80° E., 20 lks. dist., marked $\frac{1}{4}$ S 8 B T. A pinon pine, 6 ins. diam., bears N. 85° W., 30 lks. dist., marked $\frac{1}{4}$ S 7 B T.
48.20	Bottom of hollow, 200 ft. below ridge, course S. 20° W. . Ascend .
63.50	Top of ridge, 200 ft. above hollow, bears N. 20° E. and S. 20° W. . Descend .
65.50	Bottom of hollow, 100 ft. below ridge, course S. 20° W. . Ascend .
80.00	Set a sandstone, 18x12x10 ins., 12 ins. in the ground

ubdivision of T. 2 S., R. 5 W. - Continued.

Chains 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, 12 ins. diam., bears N. 50° E., 65
lks. dist., marked T 2 S R 5 W S 5 B T.

A cedar, 6 ins. diam., bears S. 30° E., 45 lks. dist.,
marked T 2 S R 5 W S 8 B T.

A pinon pine, 12 ins. diam., bears S. 45° W., 62
lks. dist., marked T 2 S R 5 W S 7 B T.

A pinon pine, 14 ins. diam., bears N. 18° W., 70
lks. dist., marked T 2 S R 5 W S 6 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.

40.00 Set temp. $\frac{1}{4}$ sec. cor.
80.12 Intersect N. and S. line, 9 lks. S. of the cor. of secs.
4, 5, 8, and 9.
Thence I run
S. 89° 50' W., on a true line bet. secs. 5 and 8.

N. 89° 54' E., on a random line bet. secs. 5 and 8.

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

80.12 Intersect N. and S. line, 9 lks. S. of the cor. of secs.
4, 5, 8, and 9.

Thence I run
S. 89° 50' W., on a true line bet. secs. 5 and 8.

Over mountainous land; through heavy timber. Descend.

40.06 Set a sandstone, 18x12x5 ins., 12 ins. in the ground,
for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; from which

A cedar, 4 ins. diam., bears N. 5° W., 120 lks.

dist. marked $\frac{1}{4}$ S 5 B T.

A pinon pine, 10 ins. diam., bears S. 70° W., 60

Subdivision of T 2 S R 5 W -Continued

Chains	12 lks. dist., marked $\frac{1}{4}$ S 8 B.T.
62.00	Bottom of hollow, 600 ft. below sec. cor., course S. 30° W.
	Ascend .
71.00	Top of ridge, 150 ft. above hollow, bears N. 30° E. and S. 30° W.
	Descend .
74.50	Bottom of hollow, 250 ft. below ridge, course S. 25° W.
	Ascend .
80.12	The cor. of secs. 5, 6, 7, and 8.
	Land, mountainous .
	Soil, gravelly; 3rd rate.
	Timber, cedar and pinon pine.
	Good grass for grazing.
	Mountainous or heavily timbered land, 80.12 chs.
	<hr/>
	S. 89° 54' W., on a random line bet. secs. 6 and 7.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
75.40	Intersect W. bdy. of Tp., 12 lks. N. of the cor. of secs. 1, 6, 7, and 12., heretofore described.
	Thence I run
	N. 89° 49' E., on a true line bet. secs. 6 and 7.
	Over level mesa; through heavy timber.
11.00	Leave mesa, bears N. and S.
	Ascend .
14.00	Top of ridge, 150 ft. above mesa, bears N. and S.
	Descend .
35.40	Set a sandstone, 18x12x6 ins., 12 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; from which
	A pinon pine, 7 ins. diam., bears N., 20 lks. dist., marked $\frac{1}{4}$ S 6 B.T.
	A cedar, 12 ins. diam., bears S. 10° E., 55 lks. dist., marked $\frac{1}{4}$ S 7 B.T.

Chians

54.00 Bottom of hollow, 250 ft. below ridge, course S. 15° E.
Ascend over ledges.

69.50 Top of ridge, 300 ft. above hollow, bears N. 25° E. and
S. 25° W. Leave ledges, bears with ridge.
Descend.

75.40 The cor. of secs. 5, 6, 7, and 8.
Land, mountainous and level.
Soil, sandy loam and rocky; 2nd and 4th rate.
Timber, cedar and pinon pine.
Good grass for grazing.
Mountainous or heavily timbered land, 75.40 chs.

For reasons already explained I run

N. 0° 4' W., on a true line bet. secs. 5 and 6.

Over mountainous land; through heavy timber.

Ascend

14.50 Top of ridge, 200 ft. above sec. cor., bears N. 25° E. and
S. 25° W.

Descend

40.00 Set a sandstone, 18x12x6 ins., 12 ins. in the ground,
for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face; from which

A pinon pine, 10 ins. diam., bears S. 70° E., 80

lks. dist., marked $\frac{1}{4}$ S 5 B T.

A pinon pine, 16 ins. diam., bears S. 25° W., 54

lks. dist., marked $\frac{1}{4}$ S 6 B T.

80.74 Intersect N. bdy. of Tp., 260 lks. S. 89° 04' W. of cor. of secs.
secs. 5, 6, 31, and 32, which is a sandstone, 6x12x12
ins. above ground, firmly set, and marked and witnessed
as described by the surveyor general.

Set a sandstone, 18x14x6 ins. 12 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

Subdivision of T.2 S.,R.5 W.;-Continued.

Chains

which

A pinon pine, 13 ins. diam., bears S. 45° E., 48 lks. dist., marked T 2 S R 5 W S 5 B T.

A pinon pine, 10 ins. diam., bears S. 20° W., 58 lks. dist., marked T 2 S R 5 W S 6 B T.

Note: I destroy all marks on the cor. of secs. 5, 6, 31, and 32, which pertain to secs. 5 and 6.

Land, mountainous

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

Timber, cedar and pinon pine.

Good grass for grazing.

Mountainous or heavily timbered land, 80.74 chs.

November 25, 1903: At the noon hour the sky is overcast and solar observations are impossible.

November 25, 1903.

GENERAL DESCRIPTION.

This township contains several varieties of land from level canon bottoms to high rocky ridges.

The soil of the canon bottoms and mesas is generally sandy loam; 2nd rate. and the ridges are generally gravelly; 3rd and 4th rate.

The township is well watered in the western part by Rock Creek, which is about 90 lks. wide and 1½ ft. deep, and DuChesne River in the southern part. This river is about 100 lks. wide and 2 ft. deep.

Cottonwood timber is found along the river bottoms, and cedar and pinon pine timber is found on nearly every section in the township.

There is no mineral in the township.

There are five Indian settlers who are farming, altogether, about 200 acres of land; but I was unable to get their names or the amount of land each one claimed because there was no interpreter available.

Subdivision of T.2 S. R.5 W.-Concluded.

Chains

There is an Indian log cabin in sec.34, which has been abandoned.

There is an Indian cabin in the NW $\frac{1}{4}$ on sec.19, not seen from line .

In the north central part of the township is a large rolling mesa, which ^{is} well adapted for grazing purposes and, in my opinion will produce good crops without irrigation.

Andrew J. Stewart Jr.

U.S. Deputy Surveyor.

October 25, 1903.



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FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by

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

....., showing the respective capacities in which they acted:

- For final affidavits see book Z" Tp. 35 R. 7 N., Chainman.
....., Chainman.
....., Moundman.
....., Moundman.
....., Axman.
....., Axman.
....., Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted

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

..... of the

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

- For final affidavits see book Z" Tp. 35 R. 7 N., Chainman.
....., Chainman.
....., Moundman.
....., Moundman.
....., Axman.
....., Axman.
....., Flagman.

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



FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

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

For final affidavit see book 2" Tp. 3 S R. 7 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____



APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, August 22, 1903

The foregoing field notes of the survey of the subdivisional lines of Township 2 South Range No. 5 West of the Uintah Special Base and Meridian, Utah,

executed by Andrew J. Stewart Jr. and Alfred L. Booth under their contract No. 270, dated July 22, 1903, ~~XXXX~~ 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. Reeder
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

8
BOOK A-318

Filed Aug 14/05
M. W.
G. W.

Corrective FIELD NOTES

OF THE SURVEY OF THE
SUBDIVISION

of

Township No. 2 South, Range No. 5 West.

Of the UNITED STATES BASE AND Meridian,
STATE OF UTAH

AS SURVEYED BY

Andrew J. Stewart, Jr. and Alfred L. Booth, United States Deputy Surveyors

their

~~under~~ Contract No. 270, dated July 22, 1902, ~~BOOK~~

Survey commenced April 23, 1905, ~~BOOK~~

Survey completed August 6, 1905, ~~BOOK~~

NAMES AND DUTIES OF ASSISTANTS.

..... John Kienke Chairman

..... Archie Walton Chairman

..... George W. Ekins Moundman

..... Quinby Stewart Moundman

..... John P. Madsen Axman

..... Richard Skousen Axman

..... Wm. Burredge Flagman

For preliminary affidavits of above assistants, see book of J. S. B. & Co.

..... Erasmus Borgquist, Chairman

..... Quinby Stewart, Chairman

..... (Axman

..... Mymphas Murdock, (.....

..... (Moundman.

For preliminary affidavits of above assistants, see Book 3, T. 2 S., R. 4 W.

BOOK A-318

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Meanders Page.....

PRELIMINARY OATHS OF ASSISTANTS.

We, _____ and _____ do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will lay chain upon open and mowed 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 are measuring, to the best of our skill and ability, and in accordance with instructions given us, in the sum

_____, Chain
_____, Chain

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



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 sum

_____, Mound
_____, Mound

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



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 sum

_____, Ax
_____, Ax

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



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

_____, Flag

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



Corrective Notes of

Subdivision of T.2 S., R.5 W.

Survey commenced April 23, 1905, and executed with a W. and L. E. Gurley light mountain transit No. --, with solar attachment. The horizontal limb is provided with two double verniers placed opposite to each other, reading to single minutes of arc; which is also the least count of the verniers of the latitude and declination arcs. The instrument was examined, tested on the meridian at Salt Lake City, found correct, and was approved by the surveyor general for Utah, on April 1, 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 observations made during p.m. and a.m. hours, with a meridian established by observation on Polaris, I proceed as follows:

At the cor. of secs. 1, 2, 35, and 36, on S. bdy. of Tp. 14 N., longitude $110^{\circ} 26' 29''$ W., I set off $40^{\circ} 16' N.$, on the lat. arc; $12^{\circ} 33' N.$, on the decl. arc; and at 3 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.

April 23, 1905.

April 24, 1905: at 5 h 21 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, 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 $1^{\circ} 34'$ 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 0.3 ins. east of the mark determined with the solar.

At 7 h 3 m a.m., l.m.t., I set off $40^{\circ} 16' N.$, on the lat. arc; $12^{\circ} 47' N.$, on the decl. arc; and mark the meridian de-

Corrective Notes of

Subdivision of T. 2 S., R. 5 W. - Continued.

Chs. terminated 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 meridian established by Polaris observation. The solar apparatus by p.m. and a.m. observations defines positions for meridians respectively about 0'16" west and 0'21" 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° 37' W., the angle thus determined gives the mag. decl. 16° 37' E.

From the cor. of secs. 1, 2, 35, and 36, on S. bdy. of Tp., described correctly in the original field notes.

Thence I run

N. 0° 1' W., bet. secs. 35 and 36.

40.00 Fall 13 lks. E. of the $\frac{1}{4}$ sec. cor.

I move the cor. 13 lks. E. and

Set a sandstone, 14x8x6 ins., 9 ins. in the ground, for $\frac{1}{4}$ sec. cor., mkd. $\frac{1}{4}$ on W. face; from which

A cedar, 4 ins. dia., bears S. 37° 15' E., 135 lks. dist., mkd. $\frac{1}{4}$ S 36 B T.

A cedar, 12 ins. dia., bears S. 69° 45' W., 83 lks. dist., mkd. $\frac{1}{4}$ S 35 B T.

Note: I destroy all traces of the old cor.

80.00 The cor. of secs. 25, 26, 35, and 36, on line, described properly in the original field notes.

Note: There is no change in topography on this mile.

From the cor. of secs. 26, 27, 34 and 35, properly described

Corrective Notes of

Subdivision of T.2 S., R.5 W. -Continued.

- Chs. in the original field notes.
Thence I run
East, on a random line bet. secs. 26 and 35.
- 40.00 Fall 2 lks. S. of $\frac{1}{4}$ sec. cor.
- 80.20 Intersect N. and S. line, at the cor. of secs. 25, 26, 35, and 36.
Thence I run
West, on a true line bet. secs. 26 and 35.
- 40.10 Set a sandstone, 16x10x6 ins., 10 ins. in the ground, for $\frac{1}{4}$ sec. cor. mkd. $\frac{1}{4}$ on N. face; 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.
Note: I destroy all traces of the old cor.
- 80.20 The cor. of secs. 26, 27, 34, and 35.
Note: No change in topography.
-
- From the cor. of secs. 27, 28, 33, and 34, properly described in the original field notes.
Thence I run
S. 89° 55' E., on a random line bet. secs. 27 and 34.
- 39.90 Fall 10 lks. S. of $\frac{1}{4}$ sec. cor.
- 80.00 Intersect N. and S. line, 23 lks. S. of cor. of secs. 26, 27, 34, and 35.
Thence I run
S. 89° 55' W., on a true line bet. secs. 27 and 34.
- 40.00 Set a sandstone, 16x9x8 ins., 11 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, N. of cor.
Note: I destroy all trace of the old cor.
- 80.00 The cor. of secs. 27, 28, 33, and 34.
No change in topography.

Corrective notes of

Subdivision of T.2 S., R.5 W.-Continued.

- Chs. East, on a random line bet. secs. 22 and 27.
- 39.98 Fall 3 lks. S. of cor.
- 79.84 Intersect N. and S. line, 23 lks. S. of the cor. of secs. 22, 23, 26, and 27.
- Thence I run
S. 89° 50' W., on a true line bet. secs. 22 and 27.
- 39.92 Set a sandstone, 16x8x5 ins., 11 ins. in the ground, for $\frac{1}{4}$ sec. cor. .mkd. $\frac{1}{4}$ on N. face; from which
- A cedar, 8 ins. dia., bears S. 10° E., 81 lks.
dist. .mkd. $\frac{1}{4}$ S 27 B T.
- A pinon pine, 12 in. dia., bears N. 33° 40' E., 98 lks. dist. .mkd. $\frac{1}{4}$ S 28 B T.
- Note: I destroy all traces of the old cor.
- 79.84 The cor. of secs. 21, 22, 27, and 28.
- No change in topography .
-
- From the cor. of secs. 28, 29, 32, and 33, properly described in the original field notes.
- Thence I run
S. 89° 58' E., on a random line bet. secs. 28 and 33.
- 39.80 Fall 12 lks. S. of $\frac{1}{4}$ sec. cor.
- 79.90 Intersect N. and S. line, 27 lks. S. of the cor. of secs. 27, 28, 33, and 34.
- Thence I run
S. 89° 50' W., on a true line bet. secs. 28 and 33.
- 39.95 Set a sandstone, 16x9x8 ins., 11 ins. in the ground, for $\frac{1}{4}$ sec. cor. .mkd. $\frac{1}{4}$ on N. face; from which
- A cedar, 6 ins. dia., bears N. 5° E., 67 lks.
dist. .mkd. $\frac{1}{4}$ S 28 B T.
- A cedar, 4 ins. dia., bears S. 24° E., 20 lks.
dist. .mkd. $\frac{1}{4}$ S 33 B T.
- Note: I destroy all traces of the old cor.
- 79.90 The cor. of secs. 28, 29, 32, and 33.

CORRECTIVE NOTES OF
SUBDIVISION OF T.2 S., R.5 W., Continued.

Ins.

No change in topography.

April 24, 1905: At the noon hour the sky is overcast
and solar observations are impossible.

N. 0° 3' W., bet. Secs. 28 and 29.

40.00 Intersect $\frac{1}{4}$ sec. cor on line, properly described in the
original field notes.

80.00 The cor. of secs. 20, 21, 28 and 29, on line, properly des-
cribed in the original field notes.

No change in topography.

S. 29° 52' E., on a random line bet. secs. 31 and 28.

40.10 Fall 13 lks. S. of the $\frac{1}{4}$ sec. cor.

80.12 Intersect N. and S. line, 19 lks. S. of the cor. of secs.
21, 22, 27 and 28.

Thence I run
west on a true line, bet. Secs. 21 and 28.

40.06 Set a sandstone, 16x8x6 ins., 11 ins. in the ground, for $\frac{1}{4}$
sec. cor., mkd. $\frac{1}{4}$ on N. face; from which

A pinon pine, 5 ins. dia., bears N. 20° 25' E., 47
lks. dist., mkd. $\frac{1}{4}$ S 21 B T.

A pinon pine, 8 ins. dia., bears S. 35° E., 67 lks.
dist., mkd. $\frac{1}{4}$ S 28 B T.

I destroy all traces of the old cor.

80.12 The cor. of secs. 20, 21, 28 and 29.

No change in topography.

From the cor. of secs. 29, 30, 31 and 32, which is a sandstone,
6x8x7 ins. above ground, from which

A pinon pine, 20 ins. dia., bears N. 77° E. 55 lks.
dist., mkd. T 2 S R 5 W S 29 B T.

A pinon pine, 14 ins. dia., bears S. 62° E., 18 lks.

Subdivision of T.2 S., R.5 W..Continued.

- Chs. dist., mkd. T 2 S R 5 W S 32 B T.
A pinon pine, 6 ins. dia., bears S. 27° W., 92 lks.
dist., mkd. T 2 S R 5 W S 31 B T.
A cedar, 6 ins. dia., bears N. 42° W., 102 lks.
dist., mkd. T 2 S R 5 W S 30 B T.
- Thence I run
N. 89° 56' W. on a random line
bet. Secs. 30 and 31.
- 40.05 Fall 10 lks. N. of $\frac{1}{4}$ sec. cor.
- 76.27 Intersect w. bdy. of Tp, 19 lks. N. of the cor. of secs. 25, 30
31 and 36, properly described in the original field notes.
- Thence I run
N. 89° 56' E., on a true line bet. secs. 30 and 31.
- 36.27 Set a sandstone, 15x13x4 ins., 12 ins. in the ground, for $\frac{1}{4}$
sec. cor., mkd. $\frac{1}{4}$ on N. face; from which
A pinon pine, 8 ins. dia., bears N. 9° E., 22 lks.
dist., mkd. $\frac{1}{4}$ S 30 B T.
A pinon pine, 10 ins. dia., bears S. 17° W., 78 lks.
dist., mkd. $\frac{1}{4}$ S 31 B T.
- Note: I destroy all traces of the old cor.
- 76.27 The cor. of secs. 29, 30, 31 and 32.
No change in topography.
- April 24, 1905.
-
- April 25, 1905; At 7 h 2 m a.m. l.m.t., I set off 40° 17' N.,
on the lat. arc; 13° 07' on the decl. arc; and determine a
meridian with the solar at the cor. of secs. 29, 30, 31 and
32.
- Thence I run
N. 0° 04' W., bet. secs. 29 and 30.
- 39.60 Fall 3 lks. E. of $\frac{1}{4}$ sec. cor.
- Move cor. 40 lks. N. and 3 lks. E. - Set a sandstone 20x15x6
ins. 15 ins. in the ground, mkd. $\frac{1}{4}$ on W. face; from which
A pinon pine 6 ins. dia., bears N. 53° W. 90 lks.
dist., mkd. $\frac{1}{4}$ S 30 B T.
A pinon pine, 12 ins. dia., bears N. 57° E. 61 lks.
dist., mkd. $\frac{1}{4}$ S 29 B T.

Corrective Notes of
Subdivision of T.2 S., R.5 W. -Continued.

Chs.

80.50 Fall 13 lks. E. of cor. of secs. 19, 20, 29, and 30.
80.50 I move the cor. of secs. 19, 20, 29, and 30 50 lks. S. and
13 lks. E. and
stone
Set a Quartzite, 16x8x6 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; from which
A cottonwood, 12 ins. dia., bears N. 17° E., 78 lks.
dist. mkd. T 2 S R 5 W S 20 B T.
No other trees within limits; raise a mound of stone,
2 ft. base, 1½ ft. high, W. of cor.
Note: I destroy all traces of the old cor.
Note: No change in topography.

S. 89° 54' E., on a random line bet. secs. 20 and 29.

40.10 Fall 2 lks. N. of the $\frac{1}{4}$ sec. cor.
80.04 Intersct N. and S. line, 51 lks. S. of the cor. of secs.
20, 21, 28, and 29.

Thence I run

S. 89° 44' W., on a true line bet. secs. 20 and 29.

40.02 Set a sandstone, 18x9x5 ins., 12 ins. in the ground, for
 $\frac{1}{4}$ sec. cor. mkd. $\frac{1}{4}$ on N. face; from which

A cottonwood, 10 ins. dia., bears N. 83° E., 43 lks.
dist. mkd. $\frac{1}{4}$ S 20 B T.

A cottonwood, 5 ins. dia., bears S. 13° W., 18 lks.
dist. mkd. $\frac{1}{4}$ S 29 B T.

Note: I destroy all traces of the old cor.

80.04 The cor. of secs. 19, 20, 29, and 30.

Note; No change in topography.

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

40.30 Fall 22 lks. S. of $\frac{1}{4}$ S sec. cor.

Corrective Notes of
Subdivision of T.2 S., R.5 W.-Continued.

- chs.
- 76.04 Intersect W. bdy. of Tp., 23 lks. N. of the cor. of secs. 19, 24, 25, and 30.
Thence I run
N. 89° 44' E., on a true line bet. secs. 19 and 30.
- 36.04 Set a sandstone, 18x8x6 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.
Note: I destroy all traces of the old cor.
- 76.04 The cor. of secs. 19, 20, 23, and 30.
No change in topography.
-
- N. 0° 4' W., bet. secs. 19 and 20.
- 40.10 Fall 2 lks. E. of ¼ sec. cor.
I move the cor. 2 lks. E. and 10 lks. S. and
Set a sandstone, 15x14x8 ins., 10 ins. in the ground, for
¼ sec. cor., mkd. ¼ on W. face; from which
A cedar 14 ins. dia., bears N. 40° 30' E., 114 lks.
dist., mkd. ¼ S 20 B T.
A cedar, 5 ins. dia., bears N. 23° W., 56 lks.
dist., mkd. ¼ S 19 B T.
Note: I destroy all traces of the old cor.
- 80.30 Fall 10 lks. E. of cor. of secs. 17, 18, 19, and 20.
I move the cor. 10 lks. E. and 30 lks. S. and
Set a sandstone, 18x10x5 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; from which
A cedar, 6 ins. dia., bears N. 56° 30' E., 53 lks.
dist., mkd. T 2 S R 5 W S 17 B T.
A cedar, 8 ins. dia., bears S. 76° E., 55 lks.
dist., mkd. T 2 S R 5 W S 20 B T.
A cedar, 6 ins. dia., bears S. 57° W., 14 lks.
dist., mkd. T 2 S R 5 W S 19 B T.
A pinon pine, 12 ins. dia., bears N. 40° 30' W., 137

Corrective Notes of

Subdivision of T.2 S.,R.5 W.-Continued.

Chs. lks.dist..mkd.T 2 S R 5 W S 18 B T.

Note: I destroy all traces of the old cor.

No change in topography.

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

40.15 Fall 9 lks.S.of the cor.bct.secs.17 and 20.

80:00 Intersect N.and S.line, 23 lks.S.of the cor.of secs.
16,17,20, and 21.

Thence I run

S.89°46'W., on a true line bet.secs.17 and 20.

40.00 Set a sandstone, 24x10x8 ins., 12 ins.in mound of rock,
for $\frac{1}{4}$ sec.cor.mkd. $\frac{1}{4}$ on N.face; from which

A cedar, 8 ins.dia., bears N.40°15'E., 46 lks.

dist..mkd. $\frac{1}{4}$ S 17 B T.

A pinon pine, 8 ins.dia., bears S.70°E., 16 lks.

dist..mkd. $\frac{1}{4}$ S 20 B T.

Note: I destroy all traces of the old cor.

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

No change in topography.

S.89°56'W., on a random line bet.secs.18 and 19.

40.00 Fall 23 lks.S.of $\frac{1}{4}$ sec.cor.75.82 Intersect W.bdy.of Tp., 38 lks.N.of the cor.of secs.
13,18,19, and 24.

Thence I run

N.89°40'E., on a true line bet.secs.18 and 19.

35.82 Set a hard cobblestone, 15x8x6 ins., 10 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, N.of cor.

Note; I destroy all traces of the old cor.

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

No change in topography.

Corrective Notes of

Subdivision of T 2 S R 5 W -Continued

Chs. April 25, 1905: At the noon hour the sky is overcast and solar observations are impossible.

N. 0° 4' W., bet. secs. 17 and 18.

40.70 Fall 20 lks. W. of $\frac{1}{4}$ sec. cor.

I move the cor. 70 lks. S. and 20 lks. W. and

A boulder in place, 3x2x2 ft. above ground, for $\frac{1}{4}$ sec. cor.

I mark with a cross at the exact cor. point for $\frac{1}{4}$

sec. cor.; with $\frac{1}{4}$ W. of cross, from which

A pinon pine, 5 ins. dia., bears N. 24° 15' E., 83

lks. dist. mkd. $\frac{1}{4}$ S 17 B T.

A pinon pine, 8 ins. dia., bears N. 27° 30' W., 61

lks. dist. mkd. $\frac{1}{4}$ S 18 B T.

Note: I destroy all traces of the old cor.

80.00 The cor. of secs. 7, 8, 17, and 18, which is a sandstone, 5x10x5 ins. above ground, firmly set, and mkd. as described by the original field notes; from which:

A cedar, 16 ins. dia., bears N. 36° 50' E., 99 lks.

dist. mkd. T 2 S R 5 W S 8 B T.

A pinon pine, 6 ins. dia., bears S. 78° E., 79 lks.

dist. mkd. T 2 S R 5 W S 17 B T.

A cedar, 16 ins. dia., bears S. 49° W., 52 lks.

dist. mkd. T 2 S R 5 W S 18 B T.

A cedar, 12 ins. dia., bears N. 79° 45' W., 27 lks.

dist. mkd. T 2 S R 5 W S 7 B T.

No change in topography..

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

40.03 Fall 9 lks. S. of $\frac{1}{4}$ sec. cor.

75.32 Intersect W. bdy. of Tp., 33 lks. N. of the cor. of secs. 7, 12, 13, and 18.

Corrective Notes of

Subdivision of T 2 S R 5 W -Continued

- Chs. Thence I run
N. 89° 40' E., on a true line bet. secs. 7 and 18.
- 35.62 Set a cobblestone, 20x8x5 ins, 15. ins. in the ground,
for $\frac{1}{4}$ sec. cor. mkd. $\frac{1}{4}$ on N. face; from which
A pinon pine, 6 ins. dia., bears N. 12° W., 12 lks.
dist., mkd. $\frac{1}{4}$ S 7 B T.
A pinon pine, 14 ins. dia., bears S. 32° 30' E., 27
lks. dist., mkd. $\frac{1}{4}$ S 18 B T.
- Note: I destroy all traces of the old cor.
- 75.62 The cor. of secs. 7, 8, 17, and 18.
No change in topography.

April 25, 1905.



U.S. Deputy Surveyor.

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Corrective Notes of

Subdivision of T 2 S R. 5 W -

chs. Survey commenced Aug. 4, 1905, and executed with a W. and L. E. Gurley light mountain transit No. - with solar attachment. The horizontal limb is provided with two double verniers placed opposite to each other, reading to single minutes of arc; which is also the least count of the verniers of the latitude and declination arcs.

The instrument was examined, tested on the meridian at Salt Lake City, found correct, and was approved by the surveyor general for Utah, on April 1, 1905.

At the cor. of secs. 13, 14, 23, and 24, latitude $40^{\circ}18'50''N.$, longitude $110^{\circ}27'36''W.$ I set off $40^{\circ}19'N.$, on the lat. arc. $17^{\circ}23'N.$, on the decl. arc; and at 7 h 2 m a.m., l.m.t., I determine a meridian with the solar, at the cor. of secs. 13, 14, 23, and 24.

Note: For complete test of instrument see notes of Sub. T. 2 S., R. 4 W.

From the cor. of secs. 13, 14, 23, and 24, properly described in the original field notes.

Thence I run

$N. 0^{\circ}1'W.$, bet. secs. 13 and 14.

40:10 Fall 10 lks. E. of $\frac{1}{4}$ sec. cor.

I move the cor. 10 lks. E. and 10 lks. S. and

Set a sandstone, 20x8x6 ins., 15 ins. in the ground, for $\frac{1}{4}$ sec. cor. mkd. $\frac{1}{4}$ on W. face; from which

A cedar, 14 ins. dia., bears $N. 85^{\circ}E.$, 142 lks.
dist. mkd. $\frac{1}{4}$ S 13 B T.

A cedar, 10 ins. dia., bears $N. 57^{\circ}W.$, 32 lks.
dist. mkd. $\frac{1}{4}$ S 14 B T.

Note: I destroy all traces of the old cor.

80:10 Fall 3 lks. E. of cor. of secs. 11, 12, 13, and 14.

I move the cor. 10 lks. S. and 3 lks. E. and

Set a cobblestone, 16x8x5 ins., 11 ins. in the ground, for cor. of secs. 11, 12, 13, and 14, mkd. with 4 notches on S. and 1 notch on E. edges; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

Corrective notes of

Subdivision of T² S R 5 W, Continued

- Chs. No change in topography.
-
- N.89° 54' E., on a random line bet. secs. 12 and 13.
- 40.05 The $\frac{1}{4}$ sec. cor. bet. secs. 12 and 13., on line.
- 80.10 Intersect E. bdy. of Tp., at the closing cor. of secs. 12 and 13.
- Thence I run:
- S.89° 54' W., on a true line bet. secs. 12 and 13.
- 40.05 The $\frac{1}{4}$ sec. cor. bet. secs. 12 and 13. which is a quartzite, stone 6x6x6 ins. above ground, firmly set, and mkd. as described in the original field notes; from which
- ... cedar, 9 ins. dia., bears N. 3° W., 80 lks.
 dist. mkd. $\frac{1}{4}$ S 12 B T.
- A cedar, 14 ins. dia., bears S. 37° W., 1 lk.
 dist. mkd. $\frac{1}{4}$ S 13 B T.
- 80.10 The cor. of secs. 11, 12, 13 and 14.
- No change in topography.
-
- N. 0° 1' W., bet. secs. 11 and 12.
- 40.00 The $\frac{1}{4}$ sec. cor. bet. secs. 11 and 12. properly described in the original field notes.
- 80.00 The cor. of secs. 1, 2, 11, and 12., properly described in the original field notes.
- No change in topography.
-
- N. 0° 1' W., on a true line bet. secs. 1 and 2.
- 40.00 The $\frac{1}{4}$ sec. cor. bet. secs. 1 and 2, on line; properly described in the original field notes.
- 84.20 Intersect N. bdy. of Tp., at the closing cor. of secs. 1 and

Corrective Notes of

Subdivision of T 2 S R 5 W -Continued

Chs. 2, which is 2.90 chs. S. 89° 4' W., from the cor. of secs. 35 and 36. Properly described in the original field notes.
Note: No change in topography.

From the cor. of secs. 10, 11, 14, and 15, which is a sandstone, 6x12x4 ins., above ground, firmly set, and mkd. as described in the original field notes; from which

A pinon pine, 10 ins. dia., bears N. 43° E., 10 lks. dist. mkd. T 2 S R 5 W S 11 B T.

A pinon pine, 8 ins. dia., bears S. 7° E., 74 lks. dist. mkd. T 2 S R 5 W S 14 B T.

A pinon pine, 15 ins. dia., bears S. 33° W., 83 lks. dist. mkd. T 2 S R 5 W S 15 B T.

A cedar, 12 ins. dia., bears N. 28° W., 138 lks. dist. mkd. T 2 S R 5 W S 10 B T.

Thence I run

N. 89° 48' E., on a random line bet. secs. 11 and 14.

39.90 Fall 12 lks. S. of cor.

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

Thence I run

S. 89° 48' W., on a true line bet. secs. 11 and 14.

40.10 Set a sandstone, 15x10x5 ins., 10 ins. in the ground, for sec. cor. mkd. 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.

Note: I destroy all traces of the old cor.

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

No change in topography.

August 4, 1905: At this cor. I set off 17° 17' N., on the decl. arc; and at 0 h 6 m p.m., l.m.t., I observe the sun on the meridian the resulting lat. is 40° 19' N., which is the proper lat. nearly.

Corrective Notes of

Subdivision of T. 2 S., R. 5 E. - Continued.

- Chs. N. 0° 2' W., bet. secs. 10 and 11.

40.08 Fall 3 lks. E. of $\frac{1}{4}$ sec. cor.

I move the cor. 8 lks. S. and 3 lks. W. and

Set a quartzite stone 18x14x6 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.

Note: I destroy all traces of the old cor.
- 80.00 The cor. of secs. 2, 3, 10, and 11, properly described in the original field notes.

No change in topography.

- N. 89° 50' E., on a random line bet. secs. 2 and 11.

40.02 Fall 10 lks. S. of $\frac{1}{4}$ sec. cor.

80.00 Intersect N. and S. line, 46 lks. N. of cor. of secs. 1, 2, 11, and 12.

Thence I run

N. 89° 50' W., on a true line bet. secs. 2 and 11.

40.00 Set a cobblestone, 16x10x5 ins., 11 ins. in the ground, for $\frac{1}{4}$ sec. cor. mkd. $\frac{1}{4}$ on N. face; 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.

Note: I destroy all traces of the old cor.
- 80.00 The cor. of secs. 2, 3, 10, and 11.

No change in topography.

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

40.00 The $\frac{1}{4}$ sec. cor. bet. secs. 2 and 3, properly described in the original field notes.

83.22 Intersect N. bdy. of Tp., 3.27 chs. S. 89° 4' W. of the cor. of secs. 34 and 35.

Set a cobblestone, 16x10x6 ins., 11 ins. in the ground, for

Corrective Notes of

Subdivision of T 2 S R 5 W -Continued

Chs. closing cor. of secs. 2 and 3, mkd. with C.C. on S. and 2 grooves on E. and 4 grooves on W. faces; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, S. of cor.

Note: I destroy all traces of the old cor.

No change in topography.

August 4, 1905.

August 5, 1905: At 7 h 2 m a.m., 1. mt. I set off $40^{\circ} 19' N.$, on the lat. arc; $17^{\circ} 05' N.$, on the decl. arc; and determine a meridian with the solar, at the cor. of secs. 9, 10, 15 and 16, properly described in the original field notes.

Thence I run

$N. 0^{\circ} 2' W.$, bet. secs. 9 and 10.

40.00 The $\frac{1}{4}$ sec. cor. bet. secs. 9 and 10, on line, properly described in the original field notes.

80.05 Fall 5 lks. W. of cor. of secs. 3, 4, 9, and 10.

I move the cor. 5 lks. W and 5 lks. S and

Set a cobblestone, 18x10x5 ins., 12 ins. in the ground, for cor. of secs. 3, 4, 9, and 10, mkd. with 5 notches on S. and 3 notches on E. edges; from which

A pinon pine, 10 ins. dia., bears $N. 30^{\circ} E.$, 108 lks. dist. mkd. T 2 S R 5 W S 3 B T.

A cedar, 14 ins. dia., bears $S. 14^{\circ} E.$, 75 lks. dist. mkd. T 2 S R 5 W S 10 B T.

A pinon pine, 12 ins. dia., bears $S. 50^{\circ} W.$, 92 lks. dist. mkd. T 2 S R 5 W S 9 B T.

A pinon pine, 10 ins. dia., bears $N. 70^{\circ} W.$, 120 lks. dist. mkd. T 2 S R 5 W S 4 B T.

Note: I destroy all traces of the old cor.

No change in topography.

Corrective Notes of

Subdivision of 1.2 S., R.5 W.-Continued.

- Chs. N.89°48'E., on a random line bet. secs. 3 and 10.
- 40.04 Fall 10 lks. N. of $\frac{1}{4}$ sec. cor.
- 79.98 Intersect N. and S. line, at the cor. of secs. 2, 3, 10, and 11.
- Thence I run
- S.89°48'W. on a true line bet. secs. 3 and 10.
- 39.99 Set a quartzite stone, 16x9x8 ins., 11 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, N. of cor.
- Note: I destroy all traces of the old cor.
- 79.98 The cor. of secs. 3, 4, 9, and 10.
- No change in topography.
-
- N.0°2'W., on a true line bet. secs. 3 and 4.
- 39.80 Fall 2 lks. W. of $\frac{1}{4}$ sec. cor.
- I move the the cor. 2 lks. W. and 20 lks. N. and
- Set a cobblestone, 16x10x4 ins., 11 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.
- Note: I destroy all traces of the old cor.
- 82.29 Intersect N. bdy. of Tp., at the closing cor. of secs. 3 and 4, which is 2.80 chs. S.89°4'W. of cor. of secs. 33 and 34, both corners properly described in the original field notes.
- Note: No change in topography.
-
- From the cor. of secs. 4, 5, 8, and 9, which is a sandstone, 9x20x6 ins., above ground, firmly set, and mkd. as described in the original field notes; from which
- A pinon pine, 14 ins. dia., bears N.50°30'E., 94 lks. dist. mkd. T 2 SR 5 W S 4 B T.

Corrective Notes of

Subdivision of T.2 S.,R.5 W.-Continued.

- Chs. A pinon pine, 16 ins. dia., bears S. 26° E., 72 lks.
dist. .mkd. T 2 S R 5 W S 9 B T.
- A pinon pine, 16 ins. dia., bears S. 79° W., 20 lks.
dist. .mkd. T 2 S R 5 W S 8 B T.
- A pinon pine, 6 ins. dia., bears N. 81° W., 38 lks.
dist. .mkd. T 2 S R 5 W S 5 B T.
- Thence I run
N. 89° 51' E., on a random line bet. secs. 4 and 9.
- 40.10 Fall 5 lks. N. of $\frac{1}{4}$ sec. cor.
- 80.20 Intersect N. and S. line, at the cor. of secs. 3, 4, 9, and 10.
Thence I run
S. 89° 51' W., on a true line bet. secs. 4 and 9.
- 40.10 Set a quartzite stone 18x8x5 ins., 12 ins. in the ground, for
 $\frac{1}{4}$ sec. cor. .mkd. $\frac{1}{4}$ on N. face; from which
A cedar, 6 ins. dia., bears N. 23° W., 41 lks.
dist. .mkd. $\frac{1}{4}$ S 4 B T.
A cedar, 8 ins. dia., bears S. 22° E., 71 lks. dist. .
mkd. $\frac{1}{4}$ S 9 B T.
- Note: I destroy all traces of the old cor.
- 80.20 The cor. of secs. 4, 5, 8, and 9.
No change in topography.
August 5, 1905: At the noon hour the sky is overcast and
solar observations are impossible.
-
- From the cor. of secs. 23, 24, 25, and 26, properly described
in the original field notes.
- I run
N. 89° 54' E., on a random line bet. secs. 24 and 25.
- 40.00 The $\frac{1}{4}$ sec. cor. bet. secs. 24 and 25.
- 80.38 Intersect E. bdy. of Tp., at the closing cor. of secs. 24 and
25, properly described in the original field notes;
The cor. of secs. 19 and 30 bears North, 2.95 chs. dist.
Thence I run
S. 89° 54' W., on a true line bet. secs. 24 and 25.
- 40.19 The $\frac{1}{4}$ sec. cor. bet. secs. 24 and 25. described properly is

Corrective Notes of

Subdivision of T.2 S., R.5 W.-Continued.

Chs. the original field notes.

80.38 The cor. of secs. 23, 24, 25, and 26.

No change in topography.

August 5, 1905.

Aug. 6, 1905; During the examination of the township the following corrections were made:

The $\frac{1}{4}$ sec. cor. bet. secs. 26 and 27. I move 38 lks. N. and 8 lks. E. and

Set same stone, from which

A pinon pine, 6 ins. dia., bears S. 45° W., 49 lks.
dist. .mkd. $\frac{1}{4}$ S 27 B T.

and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor

The $\frac{1}{4}$ sec. cor. bet. secs. 17 and 18, I move 9 lks. W. and 72 lks. S. and

Set same stone, from which

A pinon pine, 6 ins. dia., bears N. 20° 15' E., 85 lks. dist. .mkd. $\frac{1}{4}$ S 17 B T.

A pinon pine, 12 ins. dia., bears N. 35° W., 66 lks. dist. .mkd. $\frac{1}{4}$ S 18 B T.

The $\frac{1}{4}$ sec. cor. bet. secs. 7 and 18. I move 21 lks. E. and 6 lks. N. and

Set same stone, from which

A pinon pine, 4 ins. dia., bears N. 76° 15' W., 76 lks. dist. .mkd. $\frac{1}{4}$ S 7 B T.

Corrective Notes of

Subdivision of T 2 S., R. 5 W. -Continued.

A p A pinon pine, 10 ins. dia., bears S. 21° 15' E., 94 1/4
dist. .mkd. 1/4 S 18 B T.

August 6 1905.

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

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

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

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FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

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

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

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

giving the respective capacities in which they acted:

..... Chainman.

..... Chainman.

Special assistants of 1st Deputy Surveyor Sec. Lock 10, F.S. & G.W. Moundman.

..... Moundman.

..... Arman.

..... Arman.

..... Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted.....

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

parts or portions of the.....

of the.....

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

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.

Special assistants of 1st Deputy Surveyor Sec. Lock 10, F.S. & G.W. Moundman.

..... Moundman.

..... Arman.

..... Arman.

..... Flagman.

described and sworn to before me this.....)

day of....., 190.....)



FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

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

[Location] in the *[County]* of *[State]*, which are represented in foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict conformity with the Manual of Surveying Instructions, and the general written instructions of the United States Surveyor General for *[District]*, and in the specific manner described in the field notes, and the foregoing are the original field notes of said survey.

United States Deputy Surveyor

Subscribed by said *[Name]*, and sworn to before me, this *[Date]* 19*[Year]*



APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL.

The foregoing field notes of the survey of *[Location]*

executed by *[Name]*, under his contract No. *[Number]*, dated *[Date]*, 19*[Year]*, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved

United States Surveyor General

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

United States Surveyor General

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by Andrew J. Stewart Jr.
....., United States Deputy Surveyor, to assist in running, measuring, and

staking the lines and corners described in the foregoing field notes of the survey of subdivisions
T. 2 S. R. 4 W. and T. 2 S. R. 5 W. of the Utah Special Base and Meridian
.....
giving the respective capacities in which they acted:

- Erasmus Borgquist Chairman.
- Quincy Stewart Chairman.
- Myrnes Murdock } Assman.
- } Moundman.
- Moundman.
- Arman.
- Arman.
- Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted Andrew J. Stewart Jr.
..... United States Deputy Surveyor, in surveying all

parts or portions of the subdivisions of T. 2 S. R. 4 W. and T. 2 S.
5 W. of the Utah Special Base and Meridian

..... of the
..... meridian, Utah of Utah, which are represented
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

- Erasmus Borgquist Chairman.
- Quincy Stewart Chairman.
- Myrnes Murdock } Assman.
- } Moundman.
- Moundman.
- Arman.
- Arman.
- Flagman.

described and sworn to before me this 6th
day of August, 1905.



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

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, Andrew J. Stewart Jr., United States Deputy Surveyor solemnly swear that, in pursuance of a contract received from Edward H. Anderson United States Surveyor General for Utah, bearing date 22nd day of July, 1903, I have well, faithfully, and truly, in my proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for Utah, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of the subdivisions of T. 2 S. 11. E. and T. 2 S. R. 5 W.

Base and meridian, in the State of Utah, which are represented in foregoing field notes as having been surveyed by me, and under my direction; and I do further 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 the foregoing are the original field notes of such survey.

Andrew J. Stewart Jr. United States Deputy Surveyor

Subscribed by said Andrew J. Stewart Jr. and sworn to before me this 14th day of August, 1905

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



APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, August 29, 1905

The foregoing field notes of the survey of the subdivisions of Township 2 South Range 5 West of the District of Special Base and Meridian Utah

executed by Andrew J. Stewart Jr. and Alfred C. Booth under his contract No. 270, dated July 22, 1903, having been critically examined, and the necessary corrections and explanations made, the said field notes, and surveys they describe, are hereby approved.

Edward H. Anderson United States Surveyor 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

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FIELD NOTES

OF THE SURVEY OF THE

FIRST STANDARD PARALLEL SCUTH

through

Range 6 West

Of the UUNTAH SPECIAL BASE AND Meridian,

UTAH

AS SURVEYED BY

Law J. Stewart Jr. and Alfred L. Booth, United States Deputy Surveyors,

their

under ~~his~~ Contract No. 270, dated July 22, 1903.

Survey commenced October 11, 1903.

Survey completed October 12, 1903.

6-50-001

*Ex. 1. B.
L.H.*

MSB

NAMES AND DUTIES OF ASSISTANTS.

Hyrum G. Smith	Chainman
Harvey R. Booth	Chainman
Israel Muhlestein	Chainman
Epoch Muhlestein	Chainman
George Stevens	Moundman
Hyrum E. Johnson	Axman
Don W. Meldrum	Flagman

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Meanders Page.....

PRELIMINARY OATHS OF ASSISTANTS.

WE Hyrum E. Smith and Harvey R. Booth and Israel Muhlstein and Enoch Muhlstein 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 are measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of the First St. Par. S., through R. 6 and 7 N. of the Uintah Special Base and Meridian, in the State of Utah.

Hyrum E. Smith, Chainman
Harvey R. Booth, Chainman
Israel Muhlstein, Chainman
Enoch Muhlstein, Chainman

Subscribed and sworn to before me this 30th day of August, 1903.



Alfred L. Booth
U. S. Deputy Surveyor

I George J. Stevens do solemnly swear that we will well and truly perform the duties of moundman in the establishment of corners, according to the instructions given me to the best of my skill and ability, in the survey of the First St. Par. S., through R. 6 and 7 N. of the Uintah Special Base and Meridian, in the State of Utah.

George Stevens, Moundman

Subscribed and sworn to before me this 30th day of August, 1903.



Alfred L. Booth
U. S. Deputy Surveyor

I Hyrum E. Johnson do solemnly swear that we will well and truly perform the duties of axman in the establishment of corners and other duties, according to instructions given me to the best of my skill and ability, in the survey of the First St. Par. S., through R. 6 and 7 N. of the Uintah Special Base and Meridian, in the State of Utah.

Hyrum E. Johnson, Axman

Subscribed and sworn to before me this 30th day of August, 1903.



Alfred L. Booth
U. S. Deputy Surveyor

I Don W. Meldrum 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 St. Par. S., through R. 6 and 7 N. of the Uintah Special Base and Meridian, in the State of Utah.

Don W. Meldrum, Flagman

Subscribed and sworn to before me this 30th day of August, 1903.



Alfred L. Booth
U. S. Deputy Surveyor

First Standard Parallel South through Range 6 West.

Chains Survey commenced October 11, 1903, and executed with a Young and Sons, light mountain transit No. 7381, with solar attachment. The horizontal limb is provided with two double verniers placed opposite to each other, reading to single minutes of arcs; 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 Standard cor. of Tps. 4 S., Rs. 5 and 6 W., latitude $40^{\circ}05'28''$ N., longitude $110^{\circ}32'07''$ W., I set off $40^{\circ}05'$ N., on the lat. arc; $6^{\circ}49'$ S., on the decl. arc; and at 4 h 2 m p.m., l.m.t., determine a meridian with the solar, and mark a point thereof on a stone firmly set in the ground, 5.00 chs. N. of the cor.

At 6 h 12^m p.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.

October 11, 1903.

October 12, 1903: At 7 h 30 m a.m., l.m.t., I lay off the azimuth of Polaris $1^{\circ}34.8'$ 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 point falls 0.37 ins. east of the mark established with the solar.

Chains At 8 h 3 m a.m., l.m.t., I set Off 40⁰05' N., on the lat. arc; 7⁰4' S., 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 0.41 ins. east of the mark established by the Polaris observation.

The solar apparatus by p.m. and a.m. observations defines positions for meridian, respectively about 0' 20" west and 0' 22" 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 8 h 30 m a.m. is 16⁰31' W., the angle thus determined, gives the mag. decl. 16⁰31' E.

From the point 2.79 ft. south of the standard cor. of Tps. 4 S., Rs. 5 and 6 W., heretofore described

I turn off an angle of 89⁰58' to the west, from the meridian, and run

N. 89⁰58' W., on secant south of sec. 36.

Over mountainous land; through heavy timber and scattering undergrowth.

Ascend . . .

18.00 Top of ridge, 400 ft. above cor.; bears NW and SE.

Descend . . .

20.00 Leave heavy and enter scattering timber, bears NW and SE.

Difference between 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 N. 1.25 ft. from secant.

Set a hard sandstone, 20x14x6 ins., 15 ins. in the

ground, for standard $\frac{1}{4}$ sec. cor., marked S.C. $\frac{1}{4}$ on N.

face; from which

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First Standard Parallel South, through Range 6 West. -Continued

Chains

A pinon pine, 8 ins. diam., bears N. 49° E., 84
lks. dist., marked T 4 S R 6 W S 35 B T.

A pinon pine, 8 ins. diam., bears N. 43° 30' W.,
67 lks. dist., marked T 4 S R 6 W S 34 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.

N. 89° 59' W., on secant . . . through sec. 34.

Over mountainous land; through scattering timber and
scattering undergrowth.

Descend gradually along side of ridge .

14.00 Top of spur, bears NW and SE.

Descend .

27.70 Bottom of Skitzzy Canon , 200 ft. below sec. cor., course
N. 20° E.

An old road in bottom of canon.

Ascend .

Difference between measurements of 40.00 chs., by two
sets of chainmen, is 2 lks.; position of middle point

By 1st set, 39.99 chs.

By 2nd set, 40.01 chs.; the mean of which is

40.00 .2.10 ft. south from secant,

Set a sandstone, 18x10x4 ins., 12 ins. in the ground,
for standard $\frac{1}{4}$ sec. cor., marked S.C. $\frac{1}{4}$ on N. face;
from which

A pinon pine, 10 ins. diam., bears N. 11 ° W., 30
lks. dist., marked $\frac{S_1}{\wedge 4}$ S 34 B T.

A cedar, 6 ins. diam., bears N. 53° 30' W., 95 lks.
dist., marked $\frac{S_2}{\wedge 4}$ S 34 B T.

First Standard Parallel South through Range 6 West-Continued

Chains Enter heavy timber, bears N. and S.

54.00 Top of ridge, 250 ft. above Skitzzy Canon bears N. 30° W. and S. 30° E.

Descend .

Difference between measurements of 80.00 chs. by two sets of chainmen, is 8 lks.; position of middle point

By 1st set, 79.96 chs.

By 2nd set, 80.04 chs.; the mean of which is

80.00 S. 2.24 ft. from the secant,

Set a sandstone, 18x11x4 ins., 12 ins. in the ground, for standard cor. of secs. 33 and 34, marked S.C. on N., with 3 grooves on E. and 3 grooves on W. faces; from which

A pinon pine, 8 ins. diam., bears N. 73° E., 145 lks. dist., marked T 4 S R 6 W S 34 B T.

A pinon pine, 16 ins. diam., bears N. 20° W., 46 lks. dist., marked T 4 S R 6 W S 33 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.

October 12, 1903: At this cor. I set off $7^{\circ}9'S.$, 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 $40^{\circ}05'N.$, which is the proper lat. nearly.

West, on secant through sec. 33.

Over mountainous land, through heavy timber.

Descend .

3.00 Bottom of hollow, 25 ft. below sec. cor., course N. 70° W.

Leave cedar and pinon pine timber and enter heavy

Chains red and white pine timber, bears N. 70° W. and S. 70° E.
 Ascend .

37.50 Top of ridge, 200 ft. above hollow, bears NW and SE.
 Descend .

37.75 Leave red and white pine timber and enter cedar and pinon pine timber, bears NW and SE.

Difference between measurements of 40.00 chs., by two sets of chainmen, is 6 lks.; position of middle point
 By 1st set, 39.97 chs. .
 By 2nd set, 40.03 chs.; the mean of which is

40.00 S. 2.10 ft. from secant, .

Set a sandstone, 16x10x5 ins., 11 ins. in the ground, for standard $\frac{1}{4}$ sec. cor., marked S. C. $\frac{1}{4}$ on N. face; from which

A pinon pine, 14 ins. diam., bears N. 80° E., 11 lks. dist., marked S C $\frac{1}{4}$ S 33. BT .

A pinon pine, 8 ins. diam., bears N. 10° W., 52 lks. dist., marked S. C $\frac{1}{4}$ S 33. B T.

Note: I erect a signal at this cor. for a test sight from one of the high points visible to the west.

42.75 Bottom of hollow, 100 ft. below $\frac{1}{4}$ sec. cor., course NW.
 Ascend .

50.75 Top of ridge, 150 ft. above hollow, bears NW and SE.
 Descend .

52.75 Bottom of hollow, 100 ft. below ridge, course NW.
 Ascend.

60.00 Top of ridge, 100 ft. above hollow, bears N. 60° W. and S. 60° E.
 Descend .

Difference between measurements of 80.00 chs., by two sets of chainmen, is 10 lks.; position of middle point
 By 1st set, 79.95 chs.
 By 2nd set, 80.05 chs.; the mean of which is

First Standard Parallel South, through Range 6 West -Continued

Chains

80.00 S. 1.68 ft. from the secant,

Set a sandstone, 16x8x8 ins., 11 ins. in the ground,
for standard cor. of secs. 32 and 33, marked S.C. on N.,
with 4 grooves on E. and 2 grooves on W. faces; from
which

A pinon pine, 12 ins. diam., bears N. 53° E.,

73 lks. dist. marked T. 4 S., R. 6 W. S 33 B T.

A pinon pine, 15 ins. diam., bears N. 9° W., 285

lks. dist., marked T 4 S R 6 W S 32 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.

S. 89° 59' W., on a secant through sec. 32.

Over mountainous land; through scattering timber.

Descend .

1.00 Foot of descent, 20 ft. below sec. cor., bears NW and SE.

Enter bottom of canon .

Leave timber and enter dense undergrowth, bears NW and SE .

6.00 Wash, 20 lks. wide, 3 ft. deep, in canon, course NW.

17.00 Leave canon bottom, bears NW and SE.

Ascend .

20.00 Top of spur, 100 ft. above hollow, bears NW and SE.

Descend into Lake Canon.

21.75 Foot of descent, 125 ft. below spur, bears N. 20° E. and S. 20° W.

Enter flat bottom of Lake Canon.

28.50 Leave canon bottom, bears N. 30° E. and S. 30° W.

First Standard Parallel South, through Range 6 West-Continued

- Chains Enter scattering timber, bears N. 30° E. and S. 30° W.
Ascend abruptly.
- Difference between 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 S. 0.98 ft. from secant,
- Top of ridge, 600 ft. above canon, bears NW. and SE.
Set a limestone, 15x12x4 ins., 10 ins. in the ground, for standard $\frac{1}{4}$ sec. cor., marked S. C. $\frac{1}{4}$ on N. face; from which
A pinon pine, 14 ins. diam., bears N. 60° E., 79 lks. dist., marked S. C. $\frac{1}{4}$ S 32 B T.
A pinon pine, 12 ins. diam. bears N. 15° E., 165 lks. dist., marked S C $\frac{1}{4}$ S 32 B T.
- Descend .
- 45.00 Bottom of hollow, 100 ft. below ridge, course SE .
Ascend steep mountain.
- 49.50 Top of spur, 250 ft. above hollow, bears NW and SE.
Descend .
- 53.00 Bottom of hollow, 100 ft. below spur, course SE.
Ascend .
- 74.00 Top of ridge, 300 ft. above hollow, bears NE and SW.
Descend gently along side hill.
- 74.25 Enter heavy red pine and white pine timber, bears NE and SW.
Difference between 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, 16x10x5 ins., 11 ins. in the ground, for standard cor. of secs. 31 and 32, marked S. C. on N., with 5 grooves on E. and 1 groove on W. face; from which
A red pine, 5 ins. diam., bears N. 60° E., 43

10
 First Standard Parallel South through Range 6 West-Continued

Chains

lks. dist., marked T 4 S R 6 W S 32 B T.

A red pine, 8 ins. diam., bears N. 31° 30' W.,
 77 lks. dist., marked T 4 S R 6 W S 31 B T.

Land, mountainous

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

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

Good grass for grazing.

Mountainous or heavily timbered land, 80.00 chs.

S. 89° 59' W., on secant south of sec. 31.

Over mountainous land; through heavy red and white
 pine timber.

Descend gently.

4.00 Bottom of hollow, 40 ft. below sec. cor., course N. 50° E.
 Enter cedar and pinon pine timber, bears with hollow.
 Ascend.

29.50 Top of ridge, 250 ft. above hollow, bears NE and SW.
 Descend.

39.00 Leave timber, bears NW and SE.

Difference Between measurements of 40.00 chs., by two
 sets of chainmen, is 6 lks.; position of middle point
 By 1st set, 39.97 chs.
 By 2nd set, 40.03 chs.; the mean of which is

40.00 N. 1.25 ft. from the secant,
 Set a sandstone, 16x10x4 ins., 11 ins. in the ground,
 for standard $\frac{1}{4}$ sec. cor., marked S C $\frac{1}{4}$ S on N. face;
 from which

A pinon pine, 16 ins. diam., bears N. 42° E., 86
 lks. dist., marked S C $\frac{1}{4}$ S 31 B T.

A pinon pine, 14 ins. diam., bears N. 6° E., 84
 lks. dist., marked S C $\frac{1}{4}$ S 31 B T.

43.00 Bottom of hollow, 100 ft. below ridge, course N.
 Ascend.

First S and T-Parallel South, through Range 6 West.-Continued.

Chains

46.00 Enter heavy timber, bears N. and S.

49.00 Top of ridge, 100 ft. above hollow, bears N. and S.

Descend

52.00 Bottom of hollow, 100 ft. below ridge, course N.

Ascend

69.75 Top of ridge, 125 ft. above hollow, bears N. and S.

Descend

76.20 Bottom of hollow, 100 ft. below ridge, course N.

Ascend .

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

By 1st set, 79.93 chs.

By 2nd set, 80.07 chs.; the mean of which is

80.00 N. 2.79 ft. from the secant,

Set a sandstone, 20x12x6 ins., 15 ins. in the ground, for standard cor. of Tps. 4 S., Rs. 6 and 7 W., marked SC 4 S on N., 6 W on E., and 7 W on W. faces; from which

A pinon pine, 6 ins. diam., bears N. 41° E., 38 lks. dist., marked T 4 S R 6 W S 31 B T.

A pinon pine, 14 ins. diam., bears N. 45° W., 31 lks. dist., marked T 4 S R 7 W S 36 B T.

I am unable to see the signal erected for a test sight at the $\frac{1}{4}$ sec. cor., on S. side of secs. 33, therefore I cannot test the line just run, with a Polaris meridian.

Land, mountainous .

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

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

Good grass for grazing.

Mountainous or heavily timbered land, 80.00 chs.

October 12, 1903.

.GENERAL DESCRIPTION.

.Through Range, 6 West this line crosses a series of ridges and hollows, heavily timbered most of the way, and covered with excellent grass for grazing. The land on both sides of the Parallel, is mountainous; well timbered and sufficiently well watered for grazing purposes. They should be subdivided.

Alfred L Booth
U. S. Deputy Surveyor.

October 12, 1903.

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

ing the respective capacities in which they acted:

For final affidavits see book *Z7* Tp. *4 S* R. *7 W* Chairman.

..... Chairman.

..... Moundman.

..... Moundman.

..... Arman.

..... Arman.

..... Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted.....

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

parts or portions of the.....

.....

.....

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

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

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

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

General for.....

For final affidavits see book *Z7* Tp. *4 S* R. *7 W* Chairman.

..... Chairman.

..... Moundman.

..... Moundman.

..... Arman.

..... Arman.

..... Flagman.

scribed and sworn to before me this }
day of..... 190..... }



FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, _____, United States Deputy Surveyor, solemnly swear that, in pursuance of a contract received from _____ United States Surveyor General for _____, bearing date of _____ day of _____, 190____, I have well, faithfully, and truly, in my 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 27 Tp. 4 S R. 7 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____



APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, August 22, _____, 190____

The foregoing field notes of the survey of First Standard Parallel South, through Range No. 6 West of the Uintah Special Base and Meridian, Utah,

executed by Andrew J. Stewart Jr. and Alfred L. Booth under his contract No. 270, dated July 22, 1903, ~~190X~~, 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-318

Y.

FIELD NOTES

OF THE SURVEY OF THE

WEST AND NORTH BOUNDARIES

of

Township No. 4 South, Range No. 6 West

Of the UTAH SPECIAL BASE AND Meridian,

UTAH

AS SURVEYED BY

Stewart W. Booth and Alfred L. Booth, United States Deputy Surveyors,

their

under ~~117~~ Contract No. 276, dated July 22, 1903, 1903

Survey commenced October 13, 1903, 1903

Survey completed October 15, 1903, 1903

W. Booth 6-0-10
W. Booth 5-7-92

NAMES AND DUTIES OF ASSISTANTS.

Hyrum O. Smith	Chairman
Harvey R. Booth	Chairman
Israel Muhlestein	Moundman
Enoch Muhlestein	Moundman
George Stevens	Armen
Hyrum E. Johnson	Armen
Don W. Meldrum	Flagman

For preliminary affidavits see book *F. T. S. B. 110*

BOOK A-318

INDEX DIAGRAM.

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Meanders Page.....

BOOK 17310
PRELIMINARY OATHS OF ASSISTANTS.

WE, _____ and _____

do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level chain over even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; 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

_____, *Chainman*
_____, *Chainman*

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



WE, _____ and _____

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

_____, *Moundman*
_____, *Moundman*

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



WE, _____ and _____

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

_____, *Axman*
_____, *Axman*

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



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 _____ }



West boundary of T. 4 S., R. 6 W. -

Survey commenced October 13, 1903, and executed with a Young and Sons light mountain transit, No. 7381, 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. Note: For complete test of instrument see notes of subdivision of this township.

I begin at the standard cor. of Tps. 4 S., Rs. 6 and 7 W., latitude $40^{\circ}05'28''N.$, longitude $110^{\circ}38'54''W.$, I set off $40^{\circ}05'N.$, on the lat. arc; $7^{\circ}27'S.$, on the decl. arc; and at 8 h 2 r a.m.l.m., determine a meridian with the solar.

Thence I run

North, bet. secs. 31 and 36.

Over mountainous land; through heavy timber.

Ascend .

13.00 Top of ridge, 100 ft. above cor., bears $N.40^{\circ}E.$ and $S.10^{\circ}W.$

Descend .

40.00 Bottom of hollow, 250 ft. below ridge, course NW.

Set a sandstone, $18 \times 12 \times 4$ ins., 12 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face; from which

A cedar, 24 ins. diam., bears $N.15^{\circ}E.$, 14 lks. dist., marked $\frac{1}{4}$ S 31 B T.

A red pine, 8 ins. diam., bears $N.60^{\circ}W.$, 35 lks. dist., marked $\frac{1}{4}$ S 36 B T.

53.00 Top of ridge, 200 ft. above hollow, bears NW and SE.

Descend .

64.00 Bottom of hollow, 250 ft. below ridge, course NW.

Ascend .

80.00 Set a sandstone, $16 \times 8 \times 5$ ins., 11 ins. in the ground, for cor. of secs. 25, 30, 31, and 36, marked with 5 notches on N. and 1 notch on S. edges; from which

West boundary of T 4 S R 6 W. -Continued.

- Chains A pinon pine, 10 ins. diam., bears N. 38° E.,
33 lks. dist., marked T 4 S R 6 W S 30 B T.
- A pinon pine, 14 ins. diam., bears S. 47° E., 66
lks. dist., marked T 4 S R 6 W S 31 B T.
- A pinon pine, 8 ins. diam., bears S. 68° W., 57
lks. dist., marked T 4 S R 7 W S 36 B T.
- A pinon pine, 8 ins. diam., bears N. 20° W., 69
lks. dist., marked T 4 S R 7 W S 25 B T.

Land, mountainous
Soil, gravelly; 3rd rate.
Timber, cedar, pinon pine and a few scattering red
pine.
Good grass for grazing.

Mountainous or heavily timbered land, 80.00 chs.

North, bet. secs. 25 and 30.

Over mountainous land; through heavy timber.

Ascend .

3.00 Top of ridge, 10 ft. above sec. cor., bears NW and E.

Descend .

37.00 Bottom of hollow, 300 ft. below ridge, course W.

Ascend .

40.00 Set a sandstone, 18x7x4 ins., 12 ins. in the ground,
for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face; from which

A pinon pine, 8 ins. diam., bears N. 60° E., 67
lks. dist., marked $\frac{1}{4}$ S 30 B T.

A pinon pine, 6 ins. diam., bears S. 56° W., 89
lks. dist., marked $\frac{1}{4}$ S 25 B T.

58.00 Top of ridge, 300 ft. above hollow, bears NW and SE...

Descend .

80.00 Set a sandstone, 15x8x5 ins., 10 ins. in the ground,
for cor. of secs. 19, 24, 25, and 30, marked with 4 notches
on N. and 2 notches on S. edges; from which

A pinon pine, 16 ins. diam., bears N. 25° E., 16

West boundary of T. 4 S R 6 W -Continued.

Chains

lks. dist., marked T 4 S R 6 W S 19 B T.
 A pinon pine, 10 ins. diam., bears S. 8° E., 74'
 lks. dist., marked T 4 S R 6 W S 30 B T.
 A pinon pine, 14 ins. diam., bears S. 51° W., 54'
 lks. dist., marked T 4 S R 7 W S 25 B T.
 A pinon pine, 6 ins. diam., bears N. 60° W., 38'
 lks. dist., marked T 4 S R 7 W S 24 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.

North, bet. secs. 19 and 24.

Over mountainous land; through heavy timber.

Descend .

37.00 Foot of descent, 300 ft. below sec. cor., bears NW and SE.

Leave timber and enter dense undergrowth, bears NW and SE.

Enter bottom of hollow.

40.00 Set a sandstone, 18x10x4 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.

41.00 Wash, 20 lks. wide, 10 ft. deep, course NW.

43.00 Leave canon bottom, bears NW and SE.

Ascend .

45.00 Top of spur, 50 ft. above hollow, bears E. and W.

Descend .

50.00 Foot of descent, 80 ft. below spur, bears N. 20° E. and SW.

Enter bottom of Dry Canon.

61.00 Wash, 20 lks. wide, 8 ft. deep, course N. 20° E.

West boundary of T 4 S .R 6 W -Continued.

Chains	
62.00	Old road, bears N. 20° E. and S. 20° W.
76.15	Same road, bears N. 20° W. and S. 20° E.
77.00	Same wash, 20 lks. wide, 4 ft. deep, course N. 20° W.
80.00	Set a shalestone, 18x8x6 ins., 12 ins. in the ground,
	for cor. of secs. 13, 18, 19, and 24, marked with 3
	notches on N. and 3 notches on S. edges; and raise a
	mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
	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, 80.00 chs.
	October 13, 1903: At the noon hour the sky is overcast
	and solar observations are impossible.
	<hr/>
	North, bet. secs. 13 and 18.
	Over level canon bottom; through dense undergrowth.
11.00	Leave canon bottom, bears NW and SE.
	Leave undergrowth and enter scattering timber,
	bears NW and SE.
	Ascend .
28.00	Top of ridge, 650 ft. above canon, bears NW and SE.
	Descend .
40.00	Set a limestone, 16x11x4 ins., 11 ins. in the ground,
	for ¼ sec. cor., marked 1 on W. face; from which
	A pinon pine, 10 ins. diam., bears E., 15 lks.
	dist., marked ¼ S 18, B. T.;
	A pinon pine, 12 ins. diam., bears W.; 75 lks.
	dist., marked ¼ S 13 B T.

West. boundary of T.4 S., R.6 W -Continued.

Chains

- 65.00 Top of perpendicular limestone ledge, 60 ft. high, bears E. and W.
- 67.00 Foot of descent, 500 ft. below ridge, bears E. and W. .
Leave timber and enter dense undergrowth of willows and rose bushes, bears E. and W.
Enter bottom of Strawberry River Canon .
- 71.00 Old road, bears E. and W.
- 78.70 Right bank of Strawberry River, sandy bottom, moderate current, 3 ft. deep, course N.
Point for cor. of secs. 7, 12, 13, and 18, will fall in river and cannot be set; therefore at this point ,
- 78.70 Set a sandstone, 15x8x6 ins., 10 ins. in the ground, for witness cor. to cor. of secs. 13 and 18, marked W.C on NE face; with 2 notches on N. and 4 notches on S. edges; and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, N. of cor.
- 80.00 Point for cor. of secs. 7, 12, 13, and 18, falls in river and cannot be set.
Land, mountainous and level...
Soil, sandy loam and gravelly; 2nd and 3rd rate.
Timber, cedar and pinon pine.
Undergrowth, willows and rose bushes.
Good grass for grazing.
Mountainous land, or land covered with dense undergrowth, 80.00 chs.

North, bet. secs. 7 and 12 .

Along river bed .

- 8.00 Left bank of Strawberry River, bears N. 80° E. and S. 10° W., course N. 80° E.
Enter dense undergrowth, bears with river bank.
- 8.10 Set a sandstone, 18x8x5 ins., 12 ins. in the ground, for witness cor. to cor. of secs. 7 and 12., marked W.C.

West boundary of T.4 S. .R.6 W.-Continued.

- Chains on NE face; with 2 notches on N. and 4 notches on S. edges; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
- 13.00 Leave canon bottom, bears N. 80° E. and S. 80° W.
 Leave undergrowth, bears N. 80° E. and S. 80° W.
 Ascend .
- 18.00 Enter heavy timber, bears E. and W.
- 40.00 Set a sandstone, 20x10x5 ins., 15 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{2}$ on W. face; from which
 A pinon pine, 4 ins. diam., bears S. 80° E., 120 dist., marked $\frac{1}{4}$ S 7 B T.
 A cedar, 7 ins. diam., bears S. 60° W., 75 lks. dist., marked $\frac{1}{4}$ S 12 B T.
- 80.00 Set a sandstone, 18x18x6 ins., 12 ins. in the ground, for cor. of secs. 1, 6, 7, and 12, marked with 1 notch on N. and 5 notches on S. edges; from which :
 A pinon pine, 6 ins. diam., bears N. 55° E., 173 lks. dist., marked T 4 S R 6 W S 6 B T.
 A pinon pine, 8 ins. diam., bears S. 37° E., 167 lks. dist., marked T 4 S R 6 W S 7 B T.
 A pinon pine, 10 ins. diam., bears S. 71° W., 137 lks. dist., marked T 4 S R 7 W S 12 B T.
 A pinon pine, 12 ins. diam., bears N. 50° W., 215 lks. dist., marked T 4 S R 7 W S 1 B T.
- Land, mountainous and level.
 Soil, gravelly and clay ; 3rd rate.
 Timber, cedar and pinon pine .
 Undergrowth, willows and sage brush.
 Good grass for grazing.
 Mountainous or heavily timbered land, or land covered with dense undergrowth, 80.00 chs.

North, bet. secs. 1 and 6.

Over mountainous land; through heavy timber .

West boundary of T 4 S R 6 W -Continued

- Chains Ascend .
- 12.50 Top of ridge, 150 ft. above sec. cor., bears E. and W.
Descend .
- 16.90 Leave timber, bears E. and W.
Enter dense undergrowth, bears E. and W.
- 21.65 Bottom of hollow, 400 ft. below ridge, course E.
Ascend .
- 28.15 Enter timber, bears E. and W.
- 40.00 Set a limestone, 20x12x5 ins., 15 ins. in the ground,
for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face; from which
A pinon pine, 5 ins. diam., bears S. 45° E., 65
lks. dist., marked $\frac{1}{4}$ S 6 B T.
A pinon pine, 4 ins. diam., bears S. 23° W., 80
lks. dist., marked $\frac{1}{4}$ S 1 B T.
- 42.50 Top of spur, 300 ft. above canon, bears E. and W.
Descend .
- 56.25 Bottom of canon, 500 ft. below ridge, course NE.
Ascend .
- 61.50 Top of spur, 300 ft. above canon, bears NW and SE.
Descend .
- 69.75 Bottom of canon, 250 ft. below ridge, course S. 45° E.
Ascend .
- 72.00 Leave heavy and enter scattering timber, bears E.
and W.
- 77.00 Leave scattering and enter heavy timber, bears E. and W.
- 80.00 Set a sandstone, 18x8x6 ins., 12 ins. in the ground,
for cor. of Tps. 3 and 4 S., R. 6 and 7 W., marked 3 S
on NE, 6 W on SE, 4 S on SW, and 7 W on NW faces; with
6 notches on each edge; from which
A pinon pine, 7 ins. diam., bears N. 28° E., 105
lks. dist., marked T 3 S R 6 W S 31 B T.
A pinon pine, 12 ins. diam., bears S. 40° E., 63
lks. dist., marked T 4 S R 6 W S 6 B T.
A pinon pine, 9 ins. diam., bears S. 29° W., 24
lks. dist., marked T 4 S R 7 W S 1 B T.

North boundary of T 4 S E 6 W - continued

Chains

- 18.00 Top of ridge, 50 ft. above Tp. cor; bears N. and S.
Descend .
- 38.92 Set a limestone, 18x12x5 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 N. 2° E., 68
 lks. dist., marked $\frac{1}{4}$ S 31 B T.
 A cedar, 5 ins. diam., bears S. 40° W., 70 lks.
 dist., marked $\frac{1}{4}$ S 6 B T.
- 41.00 Bottom of hollow, 200 ft. below ridge, course S. 10° W.
Ascend.
- 57.00 Top of ridge, 150 ft. above hollow, bears N. 45° E. and
S. 45° W.
Descend .
- 78.92 Set a sandstone, 16x10x5 ins., 11 ins. in the ground,
for cor. of secs. 5, 6, 31, and 32, marked with 5 notches
on E. and 1 notch on W. edges; from which
 A pinon pine, 10 ins. diam., bears N. 30° E., 115
 lks. dist., marked T 3 S R 6 W S 32 B T.
 A cedar, 18 ins. diam., bears S. 70° E., 95 lks.
 dist., marked T 4 S R 6 W S 5 B T.
 A cedar, 16 ins. diam., bears S. 60° W., 55 lks.
 dist., marked T 4 S R 6 W S 6 B T.
 A pinon pine, 10 ins. diam., bears N. 47° W., 55
 lks. dist., marked T 3 S R 6 W S 31 B T.

Land, mountainous .

Soil, gravelly; 3rd rate.

Timber, cedar and pinon pine.

Good grass for grazing.

Mountainous or heavily timbered land, 78.92 chs.

October 14, 1903: At the noon hour the sky is overcast
and solar observations are impossible.

East, on a true line bet. secs. 5 and 32.

North boundary of T. 4 S P. 6 Continued

- Chains Over mountainous land through heavy timber.
Descend gradually along side of hollow.
- 3.00 Leave timber, bears N. 70° E. and S. 70° W.
Enter dense undergrowth, bears N. 70° E. and S. 70° W.
- 24.00 Enter scattering timber, bears NE and SW.
- 26.00 Leave timber, bears N. and S.
- 40.00 Set a sandstone, 18x9x5 ins., 12 ins. in the ground,
for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; from which
A lone cedar, 6 ins. diam., bears N. 30° E., 120
lks. dist., marked $\frac{1}{4}$ S 32' B T.
No other trees within limits; raise a mound of stone,
2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
- 66.00 Bottom of hollow, 75 ft. below sec. cor., bourse S. 80° E.
Ascend.
- 80.00 Set a sandstone, 18x9x8 ins., 12 ins. in the ground,
for cor. of secs. 4, 5, 32, and 33, marked with 4 notches
on E. and 2 notches on W. edges; from which
A pinon pine 12 ins. diam., bears N. 31° E., 320
lks. dist., marked T 3 S R 6 W S 33 B T.
A cedar, 6 ins. diam. bears N. 62° W., 185 lks.
dist., marked T 3 S R 6 W S 32 B T.
No other trees within limits; raise a mound of stone,
2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
- Land, mountainous.
Soil, gravelly; 3rd rate.
Timber, cedar and pinon pine.
Undergrowth, dense sage brush.
Good grass for grazing.
Mountainous or heavily timbered land, or land covered
with dense undergrowth, 80.00 chs.

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

Over mountainous land; through scattering timber and

North boundary of T 4 S R.6 W.-Continued.

Chains scattering undergrowth.
 Ascend.

25.00 Enter heavy timber, bears N.80°W. and S.80°E.

40.00 Set a sand stone, 18x8x8 ins., 12 ins. in the ground,
 for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; from which
 A pinon pine, 6 ins. diam., bears N.10°W., 32
 lks. dist., marked $\frac{1}{4}$ S 33 B T.
 A pinon pine, 8 ins. diam., bears S.2°W., 37
 lks. dist., marked $\frac{1}{4}$ S 4 B T.

41.00 Top of spur, 100 ft. above sec. cor., bears N.80°W. and
 S.80°E.
 Descend.

75.00 Leave heavy and enter scattering timber, bears N.
 and S.

80.00 Set a sandstone, 16x10x4 ins., 11 ins. in the ground,
 for cor. of secs. 3, 4, 33, and 34, marked with 3
 notches on E. and 3 notches on W. edges; from which
 A cedar, 5 ins. diam., bears N.52°E., 320 lks.
 dist., marked T 3 S R 6 W S 34 B T.
 A cedar, 7 ins. diam., bears S.32°30'E., 292
 lks. dist., marked T 4 S R 6 W S 3 B T.
 A pinon pine, 6 ins. diam., bears S.20°W., 300
 lks. dist., marked T 4 S R 6 W S 4 B T.
 A pinon pine, 5 ins. diam., bears N.20°W., 180
 lks. dist., marked T 3 S R 6 W S 33 B T.

Land, mountainous.
 Soil, sandy and gravelly; 2nd and 3rd rate.
 Timber, cedar and pinon pine.
 Undergrowth, sage brush.
 Good grass for grazing.
 Mountainous or heavily timbered land, 80.00 chs.

October 14, 1903.

North boundary of T.4.S.,R.6 W -Continued.

Chains

October 15,1903:At 8 h 3 m a.m.,l.m.t.,I set off
40°11'N.,on the lat.arc;8°11'S.;on the decl.arc;and
determine a meridian,with the solar,at the cor.of.
secs.3,4,33,and 34,

Thence I run

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

Over mountainous land;through scattering timber and
dense undergrowth.

Descend

3.50 Enter heavy timber,bears N.and S.

36.80 Bottom of hollow,100 ft.below sec.cor.,course N.60°
E.

Ascend

40.00 Set a sandstone,20x10x6 ins.,15 ins.in the ground,
for $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on N.face;from which

A cedar,6 ins.diam.,bears N.85°W.,65 lks.

dist.,marked $\frac{1}{4}$ S 34 B T.

A cedar,12 ins.diam.,bears S.60°W.,27 lks.

dist.,marked $\frac{1}{4}$ S 3 B T.

80.00 Set a sandstone,16x14x4 ins.,11 ins.in the ground,
for cor.of secs.2,3,34,and 35,marked with 2 notches
on E.and 4 notches on W.edges; from which

A pinon pine,19 ins.diam.,bears N.45°E.,19 lks.

dist.,marked T 3 S R 6 W S 35 B T.

A cedar,10 ins.diam.,bears S.48°E.,52

lks.dist.,marked T 4 S R 6 W S 2 B T.

A pinon pine,10 ins.diam.,bears S.23°W.,88

lks.dist.,marked T 4 S R 6 W S 3 B T.

A pinon pine,8 ins.diam.,bears N.26°W.,47

lks.dist.,marked T 3 S.,R.6 W S 34 B T.

Land,mountainous

Soil,gravelly;3rd rate.

Timber,cedar and pinon pine.

Undergrowth,sage brush,

North boundary of T.4 S., R6W.-Continued

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

East, on a true line bet. secs. 2 and 35.

Over mountainous land; through heavy timber.

Ascend.

18.50 Top of spur, 50 ft. above sec. cor., bears N. 40° W. and S. 20° E.

Descend.

40.00 Set a sandstone, 20x14x6 ins., 15 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; from which

A pinon pine, 6 ins. diam., bears N. 50° W., 24 lks. dist., marked $\frac{1}{4}$ S 35 B T.

A pinon pine, 5 ins. diam., bears S. 10° E., 39 lks. dist., marked $\frac{1}{4}$ S 2 B T.

80.00 Set a sandstone, 20x12x4 ins., 15 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 cedar, 6 ins. diam., bears N. 40° E., 148 lks. dist., marked T. 3 S R 6 W S 36 B T.

A pinon pine, 12 ins. diam., bears S. 60° E., 89 lks. dist., marked T 4 S R 6 W S 1 B T.

A pinon pine, 6 ins. diam., bears S. 35° W., 108 lks. dist., marked T. 4 S R 6 W S 2 B T.

A cedar, 7 ins. diam., bears N. 45° W., 140 lks. dist., marked T 3 S R 6 W S 35 B T.

Land, rolling & mountainous.

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

Timber, cedar and pinon pine.

Good grass for grazing.

Mountainous or heavily timbered land, 80.00 chs.

North boundary of T 4 S R 6 W -Continued

Chains	
	East, on a true line bet. secs. 1 and 36.
	Over mountainous land; through heavy timber.
	Descend .
3.25	Bottom of hollow, 25 ft. below sec. cor., course N. 45° E.
	Ascend .
23.25	Top of divide ridge ^{bet} Strawberry River Canon and canon on north, 50 ft. above hollow, bears § E and S. 80° W.
	Descend .
26.25	Bottom of same hollow, 100 ft. below ridge, course SE.
	Ascend .
40.00	Set a sandstone, 18x14x6 ins., 12 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; from which A cedar, 4 ins. diam., bears N. 12° E., 150 lks. dist., marked $\frac{1}{4}$ S 36 B T. A pinon pine, 10 ins. diam., bears S. 48° E., .180 lks. dist., marked $\frac{1}{4}$ S 1 B T.
48.50	Top of ridge, 100 ft. above hollow, bears NW and SE. Descend .
63.25	Leave timber, bears N. and S.
73.50	Begin steep descent, bears N. 60° E. and S. 60° W.
76.00	Foot of descent, 250 ft. below ridge, bears N. 50° E. and S. 50° W. Enter dense willows and leave timber, bears N. 50° E. and S. 50° W.
78.00	Enter bottom of Strawberry River Canon.
80.00	Road, bears N. 50° E. and S. 50° W. The cor. of Tps. 3 and 4 S., R. 5 and 6 W., heretofore described. Land, mountainous and level. Soil, sandy loam and gravelly; 2nd and 3rd rate. Timber, cedar and pinon pine. Undergrowth, willows. Good grass for grazing. Mountainous or heavily timbered land, or land covered with dense undergrowth, 80.00 chs.

North boundary of T.4 S., R.6 W.-Continued.

Chains

October 15, 1903: At this cor. I set off 8° 16' S., on the decl. arc; and at 0 h 1 m p.m., l.m.t., observe the sun on the meridian, the resulting lat. is 40° 11' N., which is the proper lat. nearly.

October 15, 1903.

Latitude, departures, and closing errors.

Line designated	True Bearing.	dist- ance chs.	Latitudes		Departures	
			N. chs.	S. chs.	E. chs.	W. chs.
W. bdy. T.4 S., R.6 W.,	North	480.00	480.00			
N. bdy. T.4 S., R.6 W.	East	478.92			478.92	
E. bdy. T.4 S., R.6 W.	South	480.00		480.00		
S. bdy. T.4 S., R.6 W.	West	480.00				480.00
Convergency					.61	
Totals			480.00	480.00	479.53	480.00
Error in lat.				.00		
Error in dep.						.47

GENERAL DESCRIPTION.

This township is mountainous, well timbered and well watered. It should be subdivided.

Alfred L. Booth
U.S. Deputy Surveyor.

October 15, 1903.

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FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

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

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

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

- For final affidavits see book *Z¹² Tp. 2 S R. 7 W*....., *Chainman.*
-, *Chainman.*
-, *Moundman.*
-, *Moundman.*
-, *Asxman.*
-, *Asxman.*
-, *Flagman.*

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted.....

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

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

- For final affidavits see book *Z¹² Tp. 2 S R. 7 W*....., *Chainman.*
-, *Chainman.*
-, *Moundman.*
-, *Moundman.*
-, *Asxman.*
-, *Asxman.*
-, *Flagman.*

..... subscribed and sworn to before me this..... }
day of....., 189..... }



FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

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 _____ day of _____, 189 _____, I have well, faithfully, and truly, in a 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 Z³ Tp. 2 S. R. 7 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 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 incur 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 _____



APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, August 22, 1904.

The foregoing field notes of the survey of the West and North Edys. Tp. No. 4 S. 1. R. 6 E. of the Uintah Special Base and Meridian, Utah,

created by Andrew J. Stewart Jr. and Alfred L. Booth under contract No. 270, 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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FILED

APR 6 1904

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BOOK A-318

Ex. 2. 8.

z.
FIELD NOTES

L. H.

OF THE SURVEY OF THE

Subdivision

of

Township No. 4 South, Range No. 6 West,

Of the UINTAH SPECIAL BASE AND Meridian,

UTAH

AS SURVEYED BY

by J. Stewart, Jr. and Alfred L. Booth, United States Deputy Surveyors,

their

Under ~~the~~ Contract No. 270, dated July 22, 1903.

Survey commenced October 15, 1903.

Survey completed October 27, 1903.

Height 59.7898

NAMES AND DUTIES OF ASSISTANTS.

.....Hyrum G. Smith.....	.....Chairman.....
.....Harvey R. Booth.....	.....Chainman.....
.....Israel Muhlestein.....	.....Moundman.....
.....Enoch Muhlestein.....	.....Moundman.....
.....George Stevens.....	.....Axman.....
.....Hyrum E. Johnson.....	.....Axman.....
.....Don W. Meldrum.....	.....Flagman.....

For preliminary affidavits see book *H* Tp. 2, S. R. 4, W

INDEX DIAGRAM.

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

6	5	4	3	2	1
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

Meanders Page.....

PRELIMINARY OATHS OF ASSISTANTS.

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

....., Chain

....., Chain

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



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

....., Mound

....., Mound

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



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

....., Ax

....., Ax

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



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

....., Fla.

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



Subdivision of T 4 S .R 6 W

Survey commenced October 15, 1903, and executed with a Young and Sons light mountain transit, No. 7381, 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 observation on Polaris, I proceed as follows:

At the standard cor. of secs. 35 and 36, on S. bdy. T. 4 S., R. 6 W., latitude $40^{\circ}05'28''$ ^{longitude} N., $110^{\circ}33'15''$ W., I set off $40^{\circ}05'N.$, on the lat. arc; $8^{\circ}19'S.$, on the decl. arc; and at 4 h 3 m p.m. l.m.t., determine with the solar a meridian, and mark a point thereof on a stone set firmly in the ground, 5.00 chs. N. of the cor.

At 5 h 56 m p.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.

October 15, 1903.

October 16, 1903: At 7 h 30 m a.m., l.m.t., I lay off the azimuth of Polaris $1^{\circ}34.8'$ 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.

Subdivision of T. 4 S. R. 6 W. -Continued

Chains this mark falls 0.39 ins. east of the meridian determined with the solar.

At 8 h 2 m., a.m., l.m.t., I set off $40^{\circ}05'N.$, on the lat. arc; $8^{\circ}34'S.$, 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.; 0.34 ins. east of the meridian established by Polaris observation.

The solar apparatus, by p.m. and a.m. observations, defines positions for meridians respectively about $0'21''$ west and $0'18''$ 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 8 h 30 m a.m. is $N.16^{\circ}33'W.$, the angle thus determined gives the mag. decl. $16^{\circ}33'E.$

N. $0^{\circ}1'W.$; bet. secs. 35 and 36.

Over mountainous land; through heavy timber.

Descend .

2.00 Bottom of hollow, 30 ft. below sec. cor., course $S.30^{\circ}E.$

Ascend .

39.50 Top of ridge, 200 ft. above hollow, bears $N.60^{\circ}W.$ and $S.60^{\circ}E.$

Descend .

40.00 Set a sandstone, $24 \times 13 \times 4$ ins. 18 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face; from which

A pinon, pine, 7 ins. diam., bears $S.40^{\circ}E.$, 28 lks. dist., marked $\frac{1}{4}$ S 36 B T.

A pinon pine, 9 ins. diam., bears $S.50^{\circ}W.$, 30 lks. dist., marked $\frac{1}{4}$ S 35 B T.

57.50 Bottom of hollow, 75 ft. below ridge, course $N.60^{\circ}E.$

Ascend .

62.50 Top of spur, 50 ft. above hollow, bears E. and W.

Descend .

Subdivision of T.4 S., R.6 W.-Continued.

Chains

69.75 Bottom of hollow, 40 ft. below spur, course S.60°E.
Ascend .

80.00 Set a sandstone, 18x10x4 ins., 12 ins. in the ground,
for cor. of secs. 25, 26, 35, and 36, marked with 1 notch
on S. and 1 notch on E. edges; from which

A pinon pine, 7 ins. diam., bears N.69°E., 35
lks. dist., marked T 4 S R 6 W S 25 B T.

A pinon pine, 10 ins. diam., bears S.23°E.,
27 lks. dist., marked T 4 S R 6 W S 36 B T.

A pinon pine, 9 ins. diam., bears S.76°W., 35
lks. dist., marked T 4 S R 6 W S 35 B T.

A pinon pine, 4 ins. diam., bears N.68°W.,
38 lks. dist., marked T 4 S R 6 W S 26 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.

East, on a random line bet. secs. 25 and 36.

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

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

Thence I run

West, on a true line bet. secs. 25 and 36.

Over mountainous land; through heavy timber.

Descend .

5.00 Bottom of hollow, 25 ft. below sec. cor., course S.30°E.

Ascend .

11.00 Top of ridge, 50 ft. above hollow, bears N.30°W. and S.
30°E.

Descend .

40.00 Set a sandstone, 18x15x4 ins., 12 ins. in the ground,

Subdivision of T 4-S R 6-W -Continued.

Chains for $\frac{1}{4}$ sec.cor., marked $\frac{1}{4}$ on N.face; from which

A pinon pine, 6 ins.diam., bears N.70°E.,
22 lks.dist., marked $\frac{1}{4}$ S 25 B.T.

A pinon pine, 6 ins.diam., bears S.45°E., 38
lks.dist., marked $\frac{1}{4}$ S 36 B.T.

80.00 The cor.of secs.25,26,35, and 36.
Land; mountainous.
Soil, gravelly; 3rd rate.
Timber, cedar and pinon pine.
Good grass for grazing.
Mountainous or heavily timbered land, 80.00 chs.
October 16, 1903: At this cor. I set off 8°39'S., 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°06'N.,
which is the proper lat. nearly.

N.0°-1'W., bet.secs. 25 and 26.
Over mountainous land; through heavy timber.
Ascend

11.50 Top of ridge, divide between Indian Canon and Skitzzy
Canon, 75 ft.above sec.cor., bears N.60°E.and S.60°W.
Descend

40.00 Set a sandstone, 20x14x4 ins., 15 ins.in the ground,
for $\frac{1}{4}$ sec.cor., marked $\frac{1}{4}$ on W.face; from which

A pinon pine, 6 ins.diam., bears S.38°E.,
48 lks.dist., marked $\frac{1}{4}$ S 25 B.T.

A pinon pine, 12 ins.diam., bears S.30°W.,
27 lks.dist., marked $\frac{1}{4}$ S 26 B.T.

65.00 Leave timber, bears E.and W.

71.50 Enter heavy timber, bears E.and W.

80.00 Set a sandstone, 18x13x4 ins., 12 ins.in the ground.,
for cor. of secs.23,24,25, and 26, marked with 2 not-
ches on S.and 1 notch on E.edges; from which

A pinon pine, 11 ins.diam., bears N.35°E.

Subdivision of T 4 S R 6 W -Continued.

Chains	30 lks.dist.,marked T 4 S R 6 W S 24 B T. A pinon pine,8 ins.diam.,bears S.37° E.,38 lks.dist.,marked T 4 S R 6 W S 25 B T. A pinon pine,8 ins.diam.,bears S.60° W., 161 lks.dist.,marked T 4 S R 6 W S 26 B T. A pinon pine,7 ins.diam.,bears N.31° W.,22 lks.dist.,marked T 4 S R 6 W S 23 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. East,on a random line bet.secs.24 and 25. 40.00 Set temp.¼ sec.cor. 79.90 Intersect E.bdy.of Tp.,9 lks.N.of cor.of secs.19, 24,25,and 30,heretofore described. Thence I run N.89° 56' W.,on a true line bet.secs.24 and 25. Over mountainous land;through heavy timber. Descend ... 27.50 Bottom of hollow,100 ft.below sec.cor.,course N.30° E. Ascend . 39.95 Set a sandstone,18x10x4 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.,8 lks.dist. marked ¼ S 24 B.T. A pinon pine,8 ins.diam.,bears S.10° W.,1 lks.dist.,marked ¼ S 25 B T. 70.00 Top of ridge,150 ft.above hollow,bears N.20° E.and S. 5° W. Descend . 79.90 The cor.of secs.23,24,25,and 26.
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Subdivision of the T. S. R. P. - Cor. 4th

Chains Land, mountainous.
 Soil, sandy and gravelly; 2nd and 3rd rate.
 Timber, cedar and pinon pine.
 Good grass for grazing.
 Mountainous or heavily timbered land, 79.90 chs.

N. 0° 1' W., bet. secs. 23 and 24.
 Over mountainous land; through heavy timber.
 Descend along west slope of ridge.

40.00 Set a sandstone, 18x13x5 ins., 12 ins. in the ground,
 for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face; From which
 A pinon pine, 11 ins. diam., bears N. 40° E.,
 65 lks. dist., marked $\frac{1}{4}$ S 24 B T.
 A pinon pine, 13 ins. diam., bears N. 35° W.,
 22 lks. dist., marked $\frac{1}{4}$ S 23 B T.

80.00 Set a sandstone, 20x11x5 ins., 15 ins. in the ground,
 for cor. of secs. 13, 14, 23, and 24, marked with 3 notches
 on S. and 1 notch on E. edges; from which
 A pinon pine, 7 ins. diam., bears N. 75° E., 98
 lks. dist., marked T 4 S R 6 W S 13 B T.
 A pinon pine, 12 ins. diam., bears S. 50° E.,
 194 lks. dist., marked T 4 S R 6 W S 24 B T.
 A cedar, 8 ins. diam., bears S. 40° W., 104
 lks. dist., marked T 4 S R 6 W S 23 B T.
 A pinon pine, 8 ins. diam., bears N. 83° W., 27
 lks. dist., marked T 4 S R 6 W S 14 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.

October 16, 1903.

Subdivision of T.4 S..R.6 W.-Continued.

Chains

October 17, 1903: At 8 h 2 m a.m., l.m.t., I set Off 40° $8'N.$, on the lat.arc; $8^{\circ}56'S.$, on the decl.arc; and determine a meridian, with the solar, at the cor.of secs.13,14,23, and 24.

Thence I run
S. $89^{\circ}56'E.$, on a random line, bet. secs.13 and 24.

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

79.90 Intersect E.bdy.of 1p., 9 lks.S.of the cor.of secs. 13,18,19, and 24, heretofore described.

Thence I run
West, on a true line bet. secs.13 and 24.
Over mountainous land, through heavy timber.

Ascend

39.95 Set a sandstone, 15x11x4 ins., 10 ins.in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; from which

A pinon pine, 5 ins. diam., bears N. $20^{\circ}W.$, 42 lks. dist., marked $\frac{1}{4}$, S 13 B T.

A pinon pine, 6 ins., diam., bears S., 7 lks dist., marked $\frac{1}{4}$, S 24 B T.

78.00 Top of spur, 100 ft. above $\frac{1}{4}$ sec. cor., bears N. and S.

Descend

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

Land, mountainous.
Soil, sandy and gravelly; 2nd and 3rd rate.
Timber, cedar and pinon pine.
Good grass for grazing.

Mountainous or heavily timbered land, 79.90 chs.

N. $0^{\circ}1'W.$, bet. secs. 13 and 14.

Over mountainous land; through heavy timber.

Ascend.

1.50 Top of ridge, 10 ft. above sec. cor., bears N. $60^{\circ}W.$ and S. $60^{\circ}E.$

Subdivision of T 4 S R 6 W -Continued

- Chains Descend .
- 35.00 Bottom of hollow, 400 ft. below bridge, course N. E.
 Ascend .
- 40.00 Set a limestone, 18x12x4 ins., 12 ins. in the ground,
 for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face; from which
 A cedar, 7 ins. diam., bears E., 72 lks.
 dist., marked $\frac{1}{4}$ S 13 B T.
 A pinon pine, 10 ins. diam., bears S. 45° W., 102
 lks. dist., marked $\frac{1}{4}$ S. 14 B T.
- 40.50 Top of spur, 50 ft. above hollow, bears E. and W.
 Descend .
- 52.00 Bottom of same hollow, 50 ft. below spur, course NW.
 Ascend .
- 71.50 Top of ridge, 300 ft. above bottom of hollow, bears E.
 and W.
 Descend .
- 80.00 Set a sandstone, 30x10x6 ins., 22 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 pinon pine, 8 ins. diam., bears N. 10° E., 60
 lks. dist., marked T 4 S R 6 W S 12 B T.
 A pinon pine, 6 ins. diam., bears S. 55° E., 70
 lks. dist., marked T 4 S R 6 W S 13 B T.
 A pinon pine, 13 ins. diam., bears S. 45° W., 100
 lks. dist., marked T 4 S R 6 W S 14 B T.
 A pinon pine, 8 ins. diam., bears N. 70° W., 140
 lks. dist., marked T 4 S R 6 W S 11 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.

East, on a random line bet. secs. 12 and 13.

Subdivision of T 4 S R 6 W -Continued

Chains	
40.00	Set temp. $\frac{1}{4}$ sec. cor.
79.90	Intersect E. bdy. of Tp., at the cor. of secs. 7, 12, 13,
	and 18, heretofore described.
	Thence I run
	West, on a true line bet. secs. 12 and 13.
	Over mountainous land; through heavy timber.
	Ascend .
17.00	Top of ridge, 400 ft. above sec. cor., bears NE and SW.
	Descend .
20.00	Bottom of hollow, 225 ft. below ridge, course N.
	Ascend .
39.95	Top of ridge, 250 ft. above hollow, bears N. and S.
	Set a sandstone, 18x8x4 ins., 12 ins. in the ground,
	for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; from which
	A pinon pine, 12 ins. diam., bears N. 45° W., 100
	lks. dist., marked $\frac{1}{4}$ S 12 B T.
	A pinon pine, 8 ins. diam., bears S. 20° W., 80
	lks. dist., marked $\frac{1}{4}$ S 13 B T.
71.00	Bottom of hollow, 50 ft. below ridge, course N.
	Ascend .
77.00	Top of ridge, 100 ft. above hollow, bears N. 20° W. and S.
	20° E.
	Descend .
79.90	The cor. of secs. 11, 12, 13, and 14.
	Land, mountainous .
	Soil, gravelly; 3rd rate. .
	Timber, cedar and pinon pine.
	Good grass for grazing. .
	Mountainous or heavily timbered land, 79.90 chs.
	October 17, 1903: At this cor. I set off 9° 1' S., on the
	decl. arc; and at 0 h 1 m p.m., l.m.t., I observe the
	sun on the meridian, the resulting lat. is 40° 9' N.,
	which ^{is} the proper lat. nearly.

Subdivision of T 4 S R 6 W - Contin

Chains	
	N. 0° 1' W., bet. secs. 12 and 11.
	Over mountainous land; through heavy timber
	Ascend .
23.00	Top of spur 25 ft. above sec. cor., bears N. 60° W. and S. 60° E.
	Descend .
35.00	Bottom of hollow, 50 ft. below ridge, course N. 45° E.
	Ascend .
40.00	Set a sandstone, 16x5x4 ins., 11 ins. in the ground, for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on W. face; from which
	A pinon pine, 5 ins. diam., bears N. 40° E., 123
	lks. dist., marked $\frac{1}{4}$ S 12 B T.
	A pinon pine, 5 ins. diam., bears S. 35° W., 76
	lks. dist., marked $\frac{1}{4}$ S 11 B T.
50.00	Top of ridge, 200 ft. above hollow, bears NE and SW.
	Descend .
59.50	Bottom of hollow, 130 ft. below ridge, course NW .
	Ascend .
61.00	Top of ridge, 150 ft. above hollow, bears NW and SE. .
	Descend .
69.50	Bottom of hollow, 100 ft. below spur, course NW .
	Ascend .
74.50	Top of spur, 100 ft. above hollow, bears E. and W.
	Descend .
80.00	Set a sandstone, 16x12x9 ins., 11 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 pinon pine, 15 ins. diam., bears N. 50° E., 13
	lks. dist. marked T 4 S R 6 W S 1 B T.
	A pinon pine, 7 ins. diam., bears S. 21° E., 69
	lks. dist., marked T 4 S R 6 W S 12 B T.
	A pinon pine, 16 ins. diam., bears S. 79° W., 65
	lks. dist., marked T 4 S R 6 W S 11 B T.
	A cedar, 8 ins. diam., bears N. 43° W., 71 lks.
	dist., marked T 4 S R 6 W S 2 B T.

- Chains Land, mountainous
 Soil, gravelly; 3rd rate.
 Timber, cedar and pinon pine.
 Good grass for grazing.
 Mountainous or heavily timbered land, 80.00 chs.
-
- East, on a random line bet. secs. 1 and 12.
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 80.00 Intersect E. bdy. of 1p., at the cor. of secs. 1, 6, 7, and 12, heretofore described.
- Thence I run
 West, on a true line bet. secs. 1 and 12.
 Over mountainous land; through scattering timber . . .
 Descend .
- 9.50 Bottom of hollow, 100 ft. below sec. cor., course NE.
 Ascend .
- 40.00 Set a sandstone, 18x11x7 ins., 12 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; from which
 A cedar, 7 ins. diam., bears N. 20° E., 53 lks. dist., marked $\frac{1}{4}$ S. 1 B T.
 A pinon pine, 13 ins. diam., bears S., 17 lks. dist., marked $\frac{1}{4}$ S 12 B T.
- 54.00 Top of spur, 100 ft. above hollow, bears N. and S.
 Descend . .
- 68.50 Bottom of hollow, 150 ft. below spur, course NW.
 Ascend . .
- 76.00 Top of spur, 100 ft. above hollow, bears N. and S.
 Descend .
- 80.00 The cor. of secs. 1, 2, 11, and 12.
 Land, mountainous
 Soil, gravelly; 3rd rate.
 Timber, cedar and pinon pine.
 Good grass for grazing.

Chains Mountainous land, 80.00 chs.

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

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

80.08 Intersect N. bdy. of Tp., at the cor. of secs. 1, 2, 35, and 36, heretofore described.

Thence I run.

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

Over mountainous land; through heavy timber.

Ascend.

2.00 Top of ridge, 15 ft. above sec. cor., bears E. and W.

Descend. Leave timber, bears E. and W.

24.75 Foot of descent, 200 ft. below ridge, bears E. and W.

Enter dense undergrowth of willows and scattering timber.

Enter bottom of Strawberry River Canon.

35.80 Old road, bears E. and W.

37.00 Left bank of Strawberry River, rocky bottom, current rapid, $1\frac{1}{2}$ ft. deep, course E.

37.75 Right bank of river.

40.08 Set a limestone, 15x9x4 ins., 10 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face; from which

A cottonwood, 9 ins. diam., bears N. 75° E., 184 lks. dist., marked $\frac{1}{4}$ S 1 B T.

A cottonwood, 18 ins. diam., bears N. 80° W., 120 lks. dist., marked $\frac{1}{4}$ S 2 B T.

Leave canon bottom, bears E. and W.

Leave willow and cottonwood timber and enter scattering cedar and piñon pine timber, bears E. and W.

Ascend gradually along east side of canon.

65.00 Bottom of hollow, course NW.

Ascend.

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

Subdivision of T.4 S., R.6 W. -Continued

Chains.

Land, mountainous and level.
 Soil, sandy, loam and gravelly; 2nd and 3rd rate.
 Timber, cedar, pinon pine and cottonwood.
 Undergrowth, willows.
 Good grass for grazing.
 Mountainous or heavily timbered land, or land covered
 with dense undergrowth, 80.08 chs.

October 17, 1903;

October 19, 1903: At 8 h 2 m a.m., l.m.t. I set Off $40^{\circ} 05' N.$, on the lat. arc; $9^{\circ} 40' S.$, on the decl. arc; and determine a meridian, with the solar, at the standard cor. of secs. 34 and 35, on S. bdy. of Tp., heretofore described.

Thence I run

$N. 0^{\circ} 2' W.$, bet. secs. 34 and 35.

Over mountainous land; through heavy timber.

Descend.

15.00 Bottom of hollow, 75 ft. below sec. cor., course NW.

Ascend.

22.50 Top of spur, 100 ft. above hollow, bears NW and SE.

Descend.

40.00 Set a sandstone, 16x10x4 ins., 11 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face; from which

A pinon pine, 5 ins. diam., bears $N. 85^{\circ} E.$, 20 lks. dist. marked $\frac{1}{4}$ S 35 B T.

A pinon pine, 12 ins. diam., bears $S. 80^{\circ} W.$, 35 lks. dist., marked $\frac{1}{4}$ S 34 B T.

54.50 Bottom of hollow, 300 ft. below spur, course $N. 45^{\circ} W.$

Ascend.

67.00 Top of ridge, 450 ft. above hollow, bears E. and W.

Subdivision of T 4 S R 6 W - Continued

Chains

Descend .

74.00 Bottom of hollow, 100 ft. below ridge, course NW.

Ascend .

80.00 Set a sandstone, 18x10x4 ins., 12 ins. in the ground, for cor. of secs. 26, 27, 34, and 35, marked with 1 notch on S. and 2 notches on E. edges; from which

A pinon pine, 6 ins. diam., bears N. 62° E., 65 lks. dist., marked T 4 S R 6 W S 26 B T.

A pinon pine, 6 ins. diam., bears S. 49° E., 56 lks. dist., marked T 4 S R 6 W S 35 B T.

A pinon pine, 4 ins. diam., bears S. 65° W., 52 lks. dist., marked T 4 S R 6 W S 34 B T.

A pinon pine, 6 ins. diam. bears N. 27° W., 35 lks. dist., marked T 4 S R 6 W S 27 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.

Y

East, on a random line bet. secs. 26 and 35.

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

79.90 Intersect N. and S. line, 9 lks. N. of the cor. of secs. 25, 26, 35, and 36.

Thence I run

N. 89° 56' W.; on a true line bet. secs. 26 and 35.

Over mountainous land; through heavy timber.

Ascend .

32.00 Top of divide, ridge between Skitzzy and Indian canons, 250. ft. above sec. cor., bears N. 30° W. and S. 30° E.

Descend .

39.95 Set a sandstone, 24x12x5 ins., 18 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; from which

Subdivision of T.4 S R 6 W - Co. in.

Chains	A pinon pine, 8 ins. diam., bears N. 25° E., 65 lks. dist., marked $\frac{1}{4}$ S, 26 B T. A cedar, 12 ins. diam., bears S. 74° E., 60 lks. dist., marked $\frac{1}{4}$ S 35 B T.
41.25	Bottom of hollow, 300 ft. below ridge, course North. Ascend
47.50	Top of spur, 200 ft. above hollow, bears N. and S. Descend
71.75	Bottom of hollow, 250 ft. below spur, course N. 60° W. Ascend
78.00	Top of spur, 250 ft. above hollow, bears NW and SE. Descend
79.90	The cor. of secs. 26, 27, 34, and 35. Land, mountainous Soil, sandy loam and gravelly; 2nd and 3rd rate. Timber, cedar and pinon pine. Good grass for grazing. Mountainous or heavily timbered land, 79.90 chs.
	N. 0° 2' W., bet. secs. 26 and 27. Over mountainous land; through heavy timber, . Ascend
1.50	Top of spur, 10 ft. above sec. cor., bears NW and SE. Descend
25.00	Bottom of hollow, 400 ft. below spur, course NW Ascend
32.00	Top of spur, 200 ft. above hollow, bears NW and SE. Descend
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; from which A pinon pine, 18 ins. diam., bears S. 70° E., 50 lks. dist., marked $\frac{1}{4}$ S 26 B T. A pinon pine, 7 ins. diam., bears S. 70° W., 40 lks. dist., marked $\frac{1}{4}$ S 27 B T.

Subdivision of T. 4 S., R. 6 W., -Continued

Trains.

42.00 Bottom of hollow, 250 ft. below spur, course NW .

Ascend..

57.50 Top of spur, 250 ft. above hollow, bears E. and W.

Descend .

80.00 Set a limestone, 18x10x4 ins., 12 ins. in the ground,
for cor. of secs. 22, 23, 25, and 27, marked with 2
notches on S., and E. edges; from which

A pinon pine, 4 ins. diam., bears N. 65° E., 68
lks. dist., marked T 4 S R 6 W S 23 B T.

A pinon pine, 8 ins. diam., bears S. 60° E., 68
lks. dist., marked T 4 S R 6 W S 26 B T.

A pinon pine, 7 ins. diam., bears S. 26° W., 78
lks. dist., marked T 4 S R 6 W S 27 B T.

A pinon pine, 8 ins. diam., bears N. 52° W., 68
lks. dist., marked T 4 S R 6 W S 22 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.

October 19, 1903: At this cor. I set off 9° 45' S., on
the decl. arc; and at 0 h 2 m p. p. m., l. m. t., I ob-
serve the sun on the meridian, the resulting lat. is
40° 07' N., which is the proper lat. nearly.

S. 89° 56' E., on a random line bet. secs. 23 and 26.

40.00 Set temp. 4 sec. cor.

79.55 Intersect N. and S. line, 14 lks. N. of the cor. of secs.
23, 24, 25, and 26.

Thence I run

N. 60° 50' W., on a true line bet. secs. 23 and 26.

Over mountainous land; through heavy timber.

Subdivision of T 4 S R 6 W -Continued.

Chains	
	Descend .
16.00	Bottom of hollow, 250 ft. below sec. cor., course N. 15°
	W.
	Ascend .
27.25	Top of spur, 300 ft. above hollow, bears N. and S.
	Descend .
39.92 $\frac{1}{2}$	Set a limestone, 18x12x6 ins., 12 ins. in the ground,
	for $\frac{1}{4}$ sec. cor. , marked $\frac{1}{4}$ on N. face; from which
	A pinon pine, 5 ins. diam., bears N. 5° E., 34
	lks. dist., marked $\frac{1}{4}$ S 23 B T.
	A pinon pine, 8 ins. diam., bears S. 5° E., 30
	lks. dist., marked $\frac{1}{4}$ S 26 B T.
57.75	Bottom of hollow, 300 ft. below ridge, course N.
	Ascend .
73.00	Top of spur, 300 ft. above hollow, bears N. and S.
	Descend .
79.85	The cor. of secs. 22, 23, 26, and 27.
	Land, mountainous.
	Soil, gravelly; 3rd rate.
	Timber, cedar and pinon pine.
	Good grass for grazing.
	Mountainous or heavily timbered land, 79; 85 chs.
	<hr/>
	N. 0° 2' W., bet. secs. 22 and 23.
	Over mountainous land; through heavy timber.
	Descend .
2.00	Head of hollow, 10 ft below sec. cor., course W.
	Ascend .
5.25	Top of spur, 50 ft. above hollow, bears N. 20° W. and
	S. 20° E.
	Descend .
18.75	Bottom of hollow, 350 ft. below spur, course W.

Division of T 4 S. R 6 W -Continued

- Chains Ascend .
- 20.00 Point of spur, 50 ft. above hollow, bears E. and W.
Descend .
- 38.00 Foot of descent, 150 ft. below spur, bears N. 20° E. and
S. 20° W.
Enter bottom of Skitzzy Canon .
- 40.00 Set a sandstone, 28x14x6 ins., 21 ins. in the ground,
for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face; from which
A pinon pine, 14 ins. diam., bears N. 40° E.,
155 lks. dist., marked $\frac{1}{4}$ S 23 B T.
A cedar, 6 ins. diam., bears N. 55° W., 150
lks. dist., marked $\frac{1}{4}$ S 22 B T.
- 46.50 Old road, bears N. 30° W. and S. 30° W.
- 55.00 Leave canon bottom, bears N. 50° W. and S. 50° E.
Ascend .
- 59.00 Leave heavy and enter scattering timber, bears NW and
SE.
- 65.00 Point of spur, 150 ft. above canon, bears E. and W.
Descend .
- 71.00 Leave timber and enter dense sage brush, bears E. and
W.
- 71.20 Foot of descent, 150 ft. below spur, bears N. 40° E. and
S. 40° W.
Enter bottom of Skitzzy Canon.
- 75.65 Old road, bears N. 30° E. and S. 30° W.
- 78.00 Leave canon bottom, bears N. 10° E. and S. 40° W.
Ascend .
- 80.00 Set a sandstone, 18x10x5 ins., 12 ins. in the ground,
for cor. of secs. 14, 15, 22, and 23, marked with 3 notches
on S. and 2 notches on E. edges; from which
A cedar, 8 ins. diam., bears N. 59° E., 370
lks. dist., marked T 4 S R 6 W S 14 B T;
A cedar, 4 ins. diam., bears S. 82° E., 362
lks. dist., marked T 4 S R 6 W S 23 B T.
A pinon pine, 6 ins. diam., bears S. 45° W.,

Subdivision of T 4 S R 6 W -Continued

Chains 120 lks.dist., marked T 4 S R 6 W S 22 B T.
 A cedar, 4 ins.diam., bears N.16°W., 270 lks.
 dist., marked T 4 S R 6 W S 15 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, or land covered
 with dense undergrowth, 80.00 chs.

S.89°50'E., on a random line bet.sec.14 and 23.

40.00 Set temp. $\frac{1}{4}$ sec.cor.
 79.80 Intersect N.and S.line, 23 lks.S.of the cor.of secs.
 13, 14, 23, and 24.
 Thence I run
 West, on a true line bet.secs.14 and 23.
 Over mountainous land; through scattering timber.
 Descend .

33.00 Bottom of hollow, 150 ft.below sec.cor., course N.
 Ascend .

39.90 Set a limestone, 14x8x6 ins., 9 ins.in the ground,
 for $\frac{1}{4}$ sec.cor., marked $\frac{1}{4}$ on N.face; from which
 A pinon pine, 5 ins.diam., bears N.26°30'W.,
 102 lks.dist., marked $\frac{1}{4}$ S 14 B T.
 A pinon pine, 12 ins.diam., bears S.20°E., 80
 lks.dist., marked $\frac{1}{4}$ S 23 B T.

56.50 Top of ridge, 290 ft.above hollow, bears N.and S.
 Descend .

73.00 Foot of descent, 300 ft.below ridge, bears N.35°E.
 and S.35°W.
 Enter bottom of Skitzzy Canon.
 Leave timber and enter dense undergrowth, bears N.35°

Subdivisions of T. 4 S., R. 4 E., -Continued.

Chains E. and S. 33° W.

- 78.80 Old road, bears N. 10° E. and S. 10° W.
- 79.80 Leave canon bottom and ascend, bears N. 10° E. and S. 10° W.
- 79.80 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 land, or land covered with dense undergrowth, 79.80 chs.

October 19, 1903.

October 20, 1903: At 8 h 2 m. a. m., l. m. t., I set off 40° S' N., on the lat. arc; 10° 1' S., on the decl. arc; and determine a meridian, with the solar, at the cor. of secs. 14, 15, 22, and 23.

Thence I run
 1.00 S' W., bet. secs. 14 and 15.

Over mountainous land; through scattering timber and scattering undergrowth.

Ascend.

- 6.00 Top of spur, 50 ft. above sec. cor., bears E. and F.
- Descend.

- 26.10 Bottom of hollow, 60 ft. below spur, course N. 60° E.
- Ascend.

- 30.60 Foot of perpendicular ledge, 30 ft. high, bears N. 60° E. and S. 60° W. A 12 inch vein of elsterite crops out in this ledge.

- 38.00 Top of spur, 150 ft. above hollow, bears NE and SW.
- Descend.

- 40.00 Set a limestone, 1 1/2 x 10 x 4 ins., 10 ins. in the ground, for 1 sec. cor., marked in N. face; from which

Subdivision of T.4 S. R 6 W -Continued.

Chains	<p>A pinon pine, 16 ins. diam., bears N. 69° E., 77 lks. dist., marked $\frac{1}{4}$ S 14 B T.</p> <p>A pinon pine, 10 ins. diam., bears S. 80° W., 32 lks. dist., marked $\frac{1}{4}$ S 15 B T.</p> <p>41.15 Bottom of hollow, 150 ft. below spur, course NE. Ascend .</p> <p>49.00 Top of spur, 200 ft. above hollow, bears N. 70° E. and S. 70° W. Descend .</p> <p>56.10 Bottom of sharp ledgy hollow, 125 ft. below spur, course NE. Ascend .</p> <p>65.00 Top of spur, 100 ft. above hollow, bears NE and SW. Descend .</p> <p>75.45 Bottom of hollow, 75 ft. below spur, course NE . Ascend .</p> <p>80.00 Set a limestone, 24x12x4 ins., 18 ins. in the ground, for cor. of secs. 10, 11, 14, and 15, marked with 4 notches on S. and 2 notches on E. edges; from which</p> <p style="padding-left: 40px;">A pinon pine, 6 ins. diam., bears N. 68° E., 84 lks. dist., marked T 4 S R 6 W S 11 B T.</p> <p style="padding-left: 40px;">A pinon pine, 4 ins. diam., bears S. 56° E., 43 lks. dist., marked T 4 S R 6 W S 14 B T.</p> <p style="padding-left: 40px;">A cedar, 4 ins. diam., bears S. 72° W., 53 lks. dist., marked T 4 S R 6 W S 15 B T.</p> <p style="padding-left: 40px;">A pinon pine, 5 ins. diam., bears N. 54° W., 83 lks. dist., marked T 4 S R 6 W S 10 B T.</p> <p>Land, mountainous .</p> <p>Soil, gravelly; 3rd rate.</p> <p>Timber, cedar and pinon pine.</p> <p>Undergrowth, sage brush.</p> <p>Good grass for grazing.</p> <p>Mountainous land, 80.00 chs.</p>
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Chains

- East, on a random line bet. secs. 11 and 14.
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 79.65 Intersect N. and S. line, 23.1 kts. N. of the cor. of secs. 10, 11, 14, and 15.
- Thence I run
 - N. $89^{\circ} 50' W.$, on a true line bet. secs. 11 and 14.
 - Over mountainous land; through heavy timber.
 - Descend.
 - 27.75 Bottom of hollow, 300 ft. below sec. cor., course N.
 - Ascend.
 - 39.82 $\frac{1}{2}$ Set a limestone, 14x7x6 ins., 9 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; from which
 - A pinon pine, 14 ins. diam., bears N. $33^{\circ} E.$,
 - 122 kts. dist., marked $\frac{1}{4}$ S. 11, B T.
 - A pinon pine, 12 ins. diam., bears S. $61^{\circ} E.$, 88
 - kts. dist., marked $\frac{1}{4}$ S. 14 B T.
 - 47.50 Top of spur, 200 ft. above hollow, bears NW and SE.
 - Descend.
 - 57.50 Bottom of hollow, 80 ft. below spur, course NW.
 - Ascend.
 - 60.50 Top of spur, 50 ft. above hollow, bears NW and SE.
 - Descend.
 - 66.00 Road, bears N. $10^{\circ} E.$ and S. $10^{\circ} W.$ in bottom of Skitzy Canon, 300 ft. below ridge, course N. $10^{\circ} E.$
 - Ascend.
 - 79.65 The cor. of secs. 10, 11, 14, and 15.
 - Land, mountainous.
 - Soil, sandy and gravelly; 2nd and 3rd rate.
 - Timber, cedar and pinon pine.
 - Good grass for grazing.
 - Mountainous or heavily timbered land, 79.65 chs.

Subdivision of T 4 S R 5 W -Continued

Chains

N.0°2'W.,bet.secs.10.and.11.

Over mountainous land;through heavy timber ..

Ascend .

1.00 Top of ridge,10.ft.above sec.cor.,bears N.50°E.
and'S.50°W.

Descend .

40.00 Set a limestone,24x14x4 ins.,18 ins.in the ground,
for $\frac{3}{4}$ sec.cor.,marked $\frac{1}{4}$ on W.face;from which

A pinon pine,24 ins. diam.,bears S.72°E.,

.90 lks.dist.,marked $\frac{1}{4}$ S 11,B T.

A pinon pine,8 ins.diam.,bears S.31°30'W.

45 lks.dist.,marked $\frac{1}{4}$ S 10 B T.

46.00 Bottom of hollow,200 ft.below ridge,course N.20°E.

Ascend .

50.00 Top of spur,75 ft.above hollow,bears E.and W.

Descend .

63.25 Bottom of same hollow,100 ft.below ridge,course
N.40°W..

Ascend .

66.50 Top of spur,25 ft.above hollow,bears E.and W.

Descend..

73.50 Bottom of same hollow,80 ft.below spur,course N.20° E.
Leave timber,bears N.20°E.and S.20°W..

Ascend .

76.50 Top of spur,30 ft.above hollow,bears E.and W.

Descend .

79.50 Bottom of same hollow,50 ft.below spur,course N.30°
W.

Ascend ..

80.00 Set a limestone,15x12x5 ins.,10 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;and raise a mound of
stone,2 ft.base,1 $\frac{1}{2}$ ft.high,W.of cor.

Land,mountainous

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

Subdivision of T 4 S R. 6 W -Continued

Chains

- 76.80 Begin, abrupt. descent, bears N. and S.
- 79.78 The cor. of secs. 2, 3, 10, and 11.
Land, mountainous.
Soil, gravelly and rocky; 3rd and 4th rate.
Timber, cedar and pinon pine.
Good grass for grazing.
Mountainous land, 79.78 chs.

- N. 0° 2' W., on a random line bet. secs. 2 and 3.
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 80.14 Intersect N. bdy. of Tp., 5 lks. E. of the cor. of secs. 2, 3, 34, and 35, heretofore described.
Thence I run
S. 0° 4' E., on a true line bet. secs. 2 and 3.
Over mountainous land, through heavy timber.
Ascend.
- 8.75 Top of ridge, 25 ft. above sec. cor., bears E. and W.
Descend.
- 18.00 Foot of descent, 250 ft. below ridge, bears E. and W.
Enter Strawberry River Canon,
Leave timber and enter dense undergrowth, bears E. and W.
- 24.50 Left bank of Strawberry River, rapid current, rocky bottom, 2 ft. deep, course E.
- 25.50 Right bank of river.
- 30.00 Road, bears N. 70° E. and S. 70° W.
- 36.65 Leave river bottom, bears E. and W.
Leave undergrowth, bears E. and W.
Ascend abruptly.
- 40.14 Set a hard cobble stone, 16x10x5 ins., 11 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.
- 47.50 Top of spur, 150 ft. above river bottom, bears E. and W.

Subdivision of T 4 S R 6 W -Continued

Chains Descend abruptly .

57.00 Bottom of hollow, 110 ft. below spur, course N. 30° W.
Ascend .

59.50 Top of ledgy spur, 75 ft. above hollow, bears E. and W.
Descend .

62.50 Bottom of same hollow, 50 ft. below spur, course NE.
Ascend .

74.00 Top of spur, 50 ft. above hollow, bears E. and W.
Descend .

80.14 The cor. of secs. 2, 3, 10, and 11.
Land, mountainous and level.
Soil, sandy and gravelly; 2nd and 3rd rate.
Timber, cedar and pinon pine.
Undergrowth, sage brush, willows, and bull berry brush.
Good grass for grazing.
Mountainous or heavily timbered land, or land covered
with dense undergrowth, 80.14 chs.

October 20, 1903.

October 21, 1903: At 8 h 2 m a.m., l.m.t., I set off 40°
05' N., on the lat. arc; 10° 23' S., on the dec. arc; and de-
termine a meridian, with the solar, at the standard
cor. of secs. 33 and 34, on S. bdy. of Tp., heretofore des-
cribed.

Thence I run

N. 0° 2' W., bet. secs. 33 and 34.

Over mountainous land; through heavy timber .

Ascend .

13.00 Top of ridge, 100 ft. above sec. cor., bears E. and W..

Descend .

20.00 Bottom of hollow, 150 ft. below ridge, course N. 60° W.

Ascend .

Subdivision of T.4 S. R.6 W.-Continued.

Chains

- 40.00 Set a sandstone, 16x10x5 ins., 11 ins. in the ground ,
for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face; from which
A pinon pine, 16 ins. diam., bears S. 60° E., 20
lks. dist., marked $\frac{1}{4}$ S 34 B T .
A pinon pine, 18 ins. diam., bears N. 65° W.,
120 lks. dist., marked $\frac{1}{4}$ S 33 B T .
- 52.00 Top of ridge, 120 ft. above $\frac{1}{4}$ sec. cor., bears E. and W.
Descend .
- 64.00 Bottom of hollow, 200 ft. below ridge, course N. 80° W.
Ascend .
- 80.00 Set a sandstone, 18x12x6 ins., 12 ins. in the ground,
for cor. of secs: 27, 28, 33, and 34, marked with 1 notch
on S, and 3 notches on E. edges; from which
A pinon pine, 16 ins. diam., bears N. 60° E., 35
lks. dist., marked T 4 S R 6 W S 27 B T .
A pinon pine, 8 ins. diam., bears S. 40° E., 29
lks. dist., marked T 4 S R 6 W S 34 B T .
A pinon pine, 10 ins. diam., bears S. 49° W., 32
lks. dist., marked T 4 S R 6 W S 33 B T .
A pinon pine, 5 ins. diam., bears N. 25° W., 22
lks. dist., marked T 4 S R 6 W S 28 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.

East, on a random line bet. secs. 27. and 34.

- 40.00 Set temp. $\frac{1}{4}$ sec. cor. .
- 79.92 Intersect N. and S. line, 5 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.

Chains	Over mountainous land; through heavy timber and scattering undergrowth.
	Descend
7.50	Bottom of hollow, 200 ft. below sec. cor., course NW.
	Ascend
12.00	Top of spur, 100 ft. above hollow, bears NW and SE.
	Descend
25.40	Bottom of Skitzzy Canon, 500 ft. below spur, course N. 20° E.
	Ascend
26.40	Old road, bears N. 20° E. and S. 20° W.
39.96	Set a sandstone, 24x12x4 ins., 18 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; from which
	A pinon pine, 6 ins. diam., bears N., 60 lks. dist., marked $\frac{1}{4}$ S 27 B T.
	A pinon pine, 12 ins. diam., bears S., 30 lks. dist., marked $\frac{1}{4}$ S 34 B T.
67.00	Top of divide ridge between Skitzzy and Lake Canons, 700 ft. above canon, bears N. 15° W. and S. 15° E.
	Descend
79.92	The cor. of secs. 27, 28, 33, and 34.
	Land, mountainous
	Soil, sandy and gravelly; 2nd and 3rd rate.
	Timber, cedar and pinon pine;
	Undergrowth, sage brush.
	Good grass for grazing.
	Mountainous or heavily timbered land, 79.92 chs.
	<hr/>
	N. 0° 2' W., bet. secs. 27 and 28.
	Over mountainous land; through heavy timber and scattering undergrowth.
	Ascend
8.00	Top of divide ridge between Skitzzy and Lake Canons, 100 ft. above sec. cor., bears E. and W.

Subdivision of T 4 S R 6 W -Continued

Chains Descend .

40.00 Bottom of hollow, 200 ft. below ridge, course E.
 Set a sandstone, 18x12x4 ins., 12 ins. in the ground,
 for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face; from which
 A pinon pine, 12 ins. diam., bears N. 80° W., 35
 lks. dist., marked $\frac{1}{4}$ S 28 B T.
 A pinon pine, 10 ins. diam., bears S. 60° E., 30
 lks. dist., marked $\frac{1}{4}$ S 27, B T.

Ascend .

62.00 Top of divide ridge, between Skitay Canon and hollow
 on west, 150 ft. above hollow, bears E. and W.

Descend .

70.00 Bottom of hollow, 100 ft. below ridge, course N. 20° E.

Ascend:

80.00 Set a sandstone, 18x10x6 ins., 12 ins. in the ground,
 for cor. of secs. 21, 22, 27, and 28, marked with 2
 notches on S. and 3 notches on E. edges; from which
 A pinon pine, 8 ins. diam., bears N. 65° E., 65
 lks. dist., marked T 4 S R 6 W S 22 B T.
 A pinon pine, 10 ins. diam., bears S. 40° E., 75
 lks. dist., marked T 4 S R 6 W S 27 B T.
 A pinon pine, 10 ins. diam., bears S. 30° W., 20
 lks. dist., marked T 4 S R 6 W S 28 B T.
 A pinon pine, 15 ins. diam., bears N. 60° W., 70
 lks. dist., marked T 4 S R 6 W S 21 B T.

Land, mountainous.
 Soil, sandy loam and gravelly; 2nd and 3rd rate.
 Timber, cedar and pinon pine.
 Undergrowth, sage brush.
 Good grass for grazing.

Mountainous or heavily timbered land, 80.00 chs.
 October 21, 1903: At this cor. I set off 10° 28' S., on
 the decl. arc; and at 0 h 1 m p.m., l.m.t., observe the
 sun on the meridian, the resulting lat. is 40° 07' N.,
 which is the proper lat. nearly .

Subdivision of T-4 S-1 R-6 W.-Continued

Chains	
	S. 89° 58' E., on a random line bet. sec. 22 and 27.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
79.88	Intersect N. and S. line, 1 1/2 lks. N. of the cor. of secs. 22, 23, 26, and 27.
	Thence I run
	N. 89° 54' W., on a true line bet. secs. 22 and 27.
	Over mountainous land; through heavy timber and scattering sage brush.
	Descend
15.00	Old road, bears N. and S., in bottom of Skitzy Canon, 100 ft. below sec. cor., course N.
	Ascend
36.50	Top of spur, 200 ft. above canon, bears NE and SW.
	Descend
39.94	Set a sandstone, 18x12x4, ins., 12 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; from which
	A pinon pine, 6 ins. diam., bears N. 10° E., 75 lks. dist., marked $\frac{1}{4}$ S. 22 B. T.
	A pinon pine, 6 ins. diam., bears S. 5° E., 28 lks. dist., marked $\frac{1}{4}$ S. 27 B. T.
44.40	Bottom of hollow, 100 ft. below spur, course N. 20° E.
	Ascend
65.00	Top of divide ridge between Skitzy Canon and hollow on west, 150 ft. above hollow, bears N. 20° E. and S. 30° W.
	Descend
76.70	Bottom of hollow, 120 ft. below ridge, course N. 20° E.
	Ascend
79.88	The cor. of secs. 21, 22, 27, and 28.
	Land, mountainous.
	Soil, sandy and gravelly loam; 2nd rate.
	Timber, cedar and pinon pine.
	Undergrowth, sage brush.
	Good grass for grazing.
	Mountainous or heavily timbered land, 79.88 chs.

Subdivision of T.4 S., R.6 W. -Continued

Chains

N.0°2'W., bet. secs. 21 and 22.

Over mountainous land; through heavy timber and scattering sage brush.

Ascend.

31.50 Top of ridge, 150 ft. above sec. cor., bears N.80°E. and S.80°W.

Descend .

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; from which

A pinon pine, 5 ins. diam., bears E., 24 lks. dist., marked $\frac{1}{4}$ S 22 B T.

A pinon pine, 5 ins. diam., bears S.80°W., 40 lks. dist., marked $\frac{1}{4}$ S 21 B T.

67.00 Bottom of hollow, 250 ft. below ridge, course N.20°W.

Ascend .

80.00 Set a shalestone, 16x8x5 ins., 11 ins. in the ground, for cor. of secs. 15, 16, 21, and 22, marked 4 S on NE; 6 W on SE faces; with 3 notches on S., and E. edges; from which

A pinon pine, 12 ins. diam., bears N.30°E., 62 lks. dist., marked T 4 S R 6 W S 15 B T.

A pinon pine, 14 ins. diam., bears S.28°E., 90 lks. dist., marked T 4 S R 6 W S 22 B T.

A pinon pine, 16 ins. diam., bears S.34°W., 68 lks. dist., marked T 4 S R 6 W S 21 B T.

A pinon pine, 12 ins. diam., bears N.70°W., 77 lks. dist., marked T 4 S R 6 W S 16 B T.

Land, mountainous .

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

Timber, cedar and pinon pine.

Undergrowth, sage brush.

Good grass for grazing.

Mountainous or heavily timbered land, 80.00 chs.

October 21, 1903: At this cor. I set off 40° 8' \sqrt{N} ., on the lat. arc; 10° 30' \sqrt{S} ., on the decl. arc; and at 4 h 3 m

Subdivision of T.4 S., R.6 W., -Continued.

Chains 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 cor:

At 5 h 33 m p.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.

October 21, 1903.

October 22, 1903: At 7 h 33 m a.m., l.m.t., I lay off the azimuth of Polaris $1^{\circ}34.8'$ 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 0.23 ins east of the mark determined with the solar.

At 8 h 2 m a.m., l.m.t., I set off $40^{\circ}8'N.$, on the lat. arc; $10^{\circ}44'S.$, on the decl. arc; and determine with the solar a meridian, and mark a point thereof 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 established by Polaris observation.

The solar apparatus by p.m. and a.m. observations defines positions for meridians, respectively about $0'12''$ west and $0'19''$ 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 8 h 30 m a.m., is $N.16^{\circ}34'E.$; the angle thus determined, gives the mag. decl. $16^{\circ}34'E.$

Thence I run
 $S.89^{\circ}54'E.$, on a random line bet. secs. 15 and 22.

Subdivision of T 4 S ,R 6 W -Continued

Chains

- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 79.98 Intersect N. and S. line, 14 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 mountainous land; through heavy timber.
 Ascend .
- 22.50 Top of ridge, 500 ft. above sec. cor., bears N. and S.
 Descend . Enter scattering sage brush.
- 35.00 Bottom of hollow, 200 ft. below ridge, course NE.
 Ascend .
- 39.99 Set a sandstone, 16x9x4 ins., 11 ins. in the ground,
 for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; from which
 A pinon pine, 5 ins. diam., bears N. 38° E., 22
 lks. dist., marked $\frac{1}{4}$ S 15 B T.
 A pinon pine, 12 ins. diam., bears S. 16° W., 48
 lks. dist., marked $\frac{1}{4}$ S 22 B T.
- 48.00 Top of divide ridge between Skitzzy Canon and hollow
 on west, 500 ft. above hollow, bears N. and S.
 Descend .
- 64.00 Bottom of hollow, 300 ft. below ridge, course N.
 Ascend .
- 77.00 Top of ridge, 400 ft. above hollow, bears NW and SE.
 Descend .
- 79.98 The cor. of secs. 15, 16, 21, and 22.
 Land, mountainous .
 Soil, gravelly; 3rd rate.
 Timber, cedar and pinon pine.
 Undergrowth, sage brush.
 Good grass for grazing.
 Mountainous or heavily timbered land, 79.98 chs.

Subdivision of T 4 S R 6 W -Continued

Chains

N. 0° 2' W., bet. secs. 15 and 16.

Over mountainous land; through heavy timber.

Ascend .

3.50 Top of ridge, 25 ft. above sec. cor., bears E. and W.

Descend .

32.50 Bottom of hollow, 350 ft. below ridge course N. 20° E.

Ascend .

40.00 Set a limestone, 18x8x4 ins., 12 ins. in the ground,
for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face; from which

A pinon pine, 14 ins. diam., bears S. 70° E., 14
lks. dist., marked $\frac{1}{4}$ S 15 B T.

A pinon pine, 12 ins. diam., bears S. 50° W., 65
lks. dist., marked $\frac{1}{4}$ S 16 B T.

41.00 Top of spur, 50 ft. above hollow, bears E. and W.

Descend .

53.25 Bottom of hollow, 150 ft. below spur, course NW.

Ascend .

61.50 Top of spur, 200 ft. above hollow, bears N. 60° W. and
S. 60° E.

Descend .

72.25 Bottom of hollow, 150 ft. below spur, course NW.

Ascend . Leave heavy and enter scattering timber.

80.00 Set a limestone, 16x10x6 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. 33° E., 260
lks. dist., marked T 4 S R 6 W S 10 B T.

A pinon pine, 14 ins. diam., bears S. 44° W., 280
lks. dist., marked T 4 S R 6 W S 16 B T.

No other trees within limits; and raise a mound of
stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor.

Land, mountainous.

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

Timber, cedar and pinon pine.

Subdivision of T.4 S., R.6 W.-Continued.

Chains	Good grass for grazing. Mountainous or heavily timbered land, 80.00 chs,
	—————
	East, on a random line bet. secs. 10 and 15.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.18	Intersect N. and S. line, 14 lks. N. of the cor. of secs. 10, 11, 14, and 15. Thence I run N. 89° 54' W., on a true line bet. secs. 10 and 15. Over mountainous land; through scattering timber and scattering undergrowth.
1.25	Top of divide ridge between Skitzy Canon and hollow on west, 10 ft. above sec. cor., bears N. 50° E. and S. 50° W. Descend .
19.00	Bottom of hollow, 50 ft. below ridge, course N. Ascend .
34.00	Top of ridge, 50 ft. above hollow, bears N. and S. Descend .
40.09	Set a limestone, 15x14x4 ins., 10 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; from which A pinon pine, 6 ins. diam., bears N. 18° W., 98 lks. dist., marked $\frac{1}{4}$ S 10 B T. A pinon pine, 15 ins. diam., bears S. 10° W., 148 lks. dist., marked $\frac{1}{4}$ S 15 B T.
40.75	Bottom of hollow, 50 ft. below ridge, course N. 10° W. Ascend .
43.75	Top of spur, 40 ft. above hollow, bears N. and S. Descend .
50.00	Bottom of hollow, 60 ft. below spur, course NE. Ascend .

Subdivision of T.4 S., R.6 W. -Continued.

Chains

- 61.00 Top of ridge, 150 ft. above hollow, bears N. 10° E. and S. 10° W.
Descend .
- 66.50 Bottom of hollow, 50 ft. below ridge, course N. 10° E.
Ascend .
- 73.00 Top of ridge, 130 ft. above hollow, bears N. 10° E. and S. 10° E.
Descend .
- 80.18 The cor. of secs. 9, 10, 15, and 16.
Land, mountainous.
Soil, gravelly; 3rd rate.
Timber, cedar and pinon pine.
Undergrowth, sage brush.
Good grass for grazing.
Mountainous land, 80.18 chs.
October 22, 1903: At this cor. I set off 10° 49' S., on the decl. arc; and at 11 h 56 m p. m., l. m. t., observe the sun on the meridian, the resulting lat. is 40° 9' N.
-
- N. 0° 2' W., bet. secs. 9 and 10.
Over mountainous land; through scattering timber and scattering undergrowth.
Ascend .
- 2.00 Top of spur, 25 ft. above sec. cor., bears N. 60° W. and E.
Descend .
- 7.00 Bottom of hollow, 80 ft. below ridge, course NW.
Ascend .
- 25.00 Top of ridge, 60 ft. above hollow, bears N. 30° W. and S. 30° E.
Descend .

Subdivision of T.4 S., R.6 W. -Continued.

Chains

- 40.00 Set a limestone, 18x10x5 ins., 11 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$, on W. face; from which
- A cedar, 5 ins. diam., bears S. 26° E., 166 lks. dist., marked $\frac{1}{4}$ S 10 B T.
- A pinon pine, 5 ins. diam., bears N. 68° W., 45 lks. dist., marked $\frac{1}{4}$ S. 9 B T. . . .
- 54.00 Bottom of hollow, 300 ft. below ridge, course N. 20° W. Thence along side hill.
- 60.00 Bottom of same hollow, course NE. Ascend gradually along side hill. . .
- 67.40 Top of perpendicular ledge, 90 ft. high, bears N. 70° E. and S. 70° W. Descend into canon.
- 68.25 Foot of descent, 150 ft. below ledge, bears N. 70° E. and S. 70° W. Leave timber and enter dense willows, bears N. 70° E. and S. 70° W. Enter bottom of Strawberry River Canon.
- 68.75 Right bank of Strawberry River, sandy bottom, rapid current, 2 ft. deep, course N. 80° E.
- 69.60 Left bank of Strawberry River. Enter scattering cottonwood timber, bears N. 80° E. and S. 80° W.
- 80.00 Set a cobble stone, 18x8x4 ins., 12 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 cottonwood, 8 ins. diam., bears N. 40° E., 130 lks. dist., marked T 4 C R 6 W S 3 B T.
- A cottonwood, 12 ins. diam., bears S. 63° E., 10 lks. dist., marked T 4 S R 6 W S 10 B T.
- A cottonwood, 18 ins. diam., bears S. 63° W., 62 lks. dist., marked T 4 C R 6 W S 9 B T.
- A cottonwood, 12 ins. diam., bears N. 30° W., 210 lks. dist., marked T 4 S R 6 W S 4 B T.

Subdivision of T.4 S. R.6 W.-Continued.

Chains Land, mountainous and level.
 Soil, sandy loam and gravelly; 2nd and 3rd rate.
 Timber, cedar, pinon pine, and cottonwood.
 Undergrowth, sage brush and willows.
 Good grass for grazing.
 Mountainous land, or land covered with dense undergrowth, 80.00 chs.

S. 89° 54' E., on a random line bet. secs. 3 and 10.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 80.20 Intersect N. and S. line, 12 lks. N. of the cor. of secs 2, 3, 10, and 11.
 Thence I run,
 N. 89° 49' W., on a true line bet. secs. 3 and 10;
 Over mountainous land; through scattering timber and scattering sage brush.
 Descend .
 .50 Bottom of hollow, 10 ft. below sec. cor., course NW.
 Ascend .
 5.00 Top of spur, 200 ft. above hollow, bears N. and S.
 Descend .
 10.00 Bottom of hollow, 200 ft. below spur, course NE.
 Ascend .
 14.50 Leave timber, bears N. and S.
 14.60 Top of ridge, 400 ft. above hollow, bears NE and SW.
 Descend .
 14.75 Top of perpendicular ledge, 100 ft. high, bears NE and SW.
 20.50 Foot of descent, 375 ft. below ridge, bears NE and SW.
 Enter dense, sage brush, bears NE and SW.
 Enter bottom of Strawberry River Canon .
 35.00 Leave sage brush and enter dense willows and scattering cottonwood timber, bears N. and S.

Subdivision of T.4 S., R.6 W.-Continued.

Chains

- 40.10 Set a sandstone, 30x12x4 ins., 22 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; from which
 A cottonwood, 10 ins. diam., bears N. 63° W., 30 lks. dist., marked $\frac{1}{4}$ S 3 B T.
 A willow, 3 ins. diam., bears S. 42° W., 15 lks. dist., marked $\frac{1}{4}$ S 10 B T.
- 42.00 Leave willows and enter dense sage brush and rabbit brush, bears N. and S.
- 53.00 Leave canon bottom, bears NW and SE.
 Ascend spur.
- 54.00 Top of spur, 40 ft. above canon bottom, bears NE and SW.
 Descend .
- 55.00 Foot of descent, 30 ft. below spur, bears NE and SW.
 Enter bottom of Strawberry River Canon .
- 62.45 Right bank of Strawberry River, moderate current, sandy bottom, 3 ft. deep, course N.
- 63.30 Left bank of Strawberry River.
- 80.20 The cor. of secs. 3, 4, 9, and 10.
 Land, mountainous and level.
 Soil, sandy loam and gravelly; 2nd and 3rd rate.
 Timber, cedar, pinon pine, and cottonwood.
 Undergrowth, willows, sage brush and rabbit brush.
 Good grass for grazing.
 Mountainous land, or land covered with dense undergrowth, 80.20 chs.
-
- N. 0° 2' W., on a random line bet. secs. 3 and 4.
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 80.00 Intersect N. bdy. of T₁ P., 2 lks. W. of the cor. of secs. 3, 4, 33, and 34, heretofore described.
 Thence I run

Subdivision of T.4 S., R.6 W.- Continued.

Chains	
	S.0°1'E., on a true line bet. secs. 3 and 4. Over mountainous land; through heavy timber. Descend.
11.05	Bottom of hollow, 40 ft. below sec. cor., course N.85° E. Ascend.
26.00	Top of divide ridge between Strawberry River Canon and canon on North, 60 ft. above hollow, bears N.75° E. and S.75° W. Descend.
30.00	Begin more gradual descent; bears E. and W.
40.00	Set a sandstone, 18x10x6 ins., 12 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face; from which A pinon pine, 6 ins. diam., bears N.50° E., 33 lks. dist., marked $\frac{1}{4}$ S 3 B T. A pinon pine, 6 ins. diam., bears N.62° W., 23 lks. dist., marked $\frac{1}{4}$ S 4 B T.
48.75	Wash, 10 lks. wide, 3 ft. deep, course SE.
50.00	Top of perpendicular ledge; 20 ft. high, bears E. and W. Begin abrupt descent over ledges.
53.00	Foot of descent, leave ledges, 75 ft. below top of ledge, bears E. and W. Enter bottom of Strawberry River Canon.
67.25	Leave cedar and pinon pine timber and enter dense undergrowth and scattering cottonwood timber, bears E. and W. Old road, bears E. and W.
80.00	The cor. of secs. 5, 4, 9, and 10. Land, mountainous and level. Soil, sandy loam and gravelly; 2nd and 3rd rate. Timber, cedar and pinon pine and cottonwood. Undergrowth, sage brush, greasewoods, and willows. Good grass for grazing. Mountainous or heavily timbered land, or land covered with dense undergrowth, 80.00 chs.

October 22, 1903.

Subdivision of T. 4 S., R. 6 W., -Continued

Chains

October 23, 1903: At 8 h 3 m a.m., l.m.t., I set off $40^{\circ}05'N$, on the lat. arc; $11^{\circ}6'S$, on the decl. arc; and determined a meridian, with the solar, at the standard cor. of secs. 32 and 33, on S. bdy. of Tp., heretofore described.

Thence I run

$N. 0^{\circ}3'W$, bet. secs. 32 and 33.

Over mountainous land; through heavy timber.

Ascend .

16.50 Top of spur, 125 ft. above sec. cor., bears $N. 30^{\circ}E$ and $S. 30^{\circ}W$.

Descend.

29.00 Foot of descent, 150 ft. below spur, bears $N. 20^{\circ}E$ and $S. 20^{\circ}W$.

Leave timber and enter dense undergrowth, bears $N. 20^{\circ}E$ and $S. 20^{\circ}W$.

Enter bottom of Lake Canon.

40.00 Set a sandstone, $18 \times 14 \times 5$ ins., 12 ins. in the ground, for $\frac{1}{4}$ sec cor., marked $\frac{1}{4}$ on W. face; from which

A pinon pine, 10 ins. diam., bears $N. 64^{\circ}30'E$, 425 lks. dist., marked $\frac{1}{4}$ S 33 B T.

No other trees within limits; raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. .

60.00 Leave canon bottom, bears NE and SW.

Leave dense undergrowth, bears NE and SW.

Enter scattering timber, bears NE and SW.

Ascend abruptly over ledges.

66.50 Point of spur, 150 ft. above canon, bears NE and SW.

Descend . Leave ledges.

72.50 Bottom of Draw, 125 ft. below spur, course E.

Ascend over ledges, bears E. and W. .

77.00 Point of spur, 150 ft. above draw, bears NE and SW.

Leave ledges, bears NE and SW.

Subdivision of T. 4 S., R. 6 N., -Continued.

Chains Descend .

80.00 Set a limestone, 18x14x4 ins., 12 ins. in the ground, for cor. of secs. 28, 29, 32, and 33, marked with 1 notch on S. and 4 notches on E. edges; from which

A pinon pine, 8 ins. diam., bears N. 35° E., 76 lks. dist., marked T 4 S R 6 W S 28 B T.

A pinon pine, 8 ins. diam., bears S. 66° E., 70 lks. dist., marked T 4 S R 6 W S 33 B T.

A pinon pine, 12 ins. diam., bears S. 71° W. 66 lks. dist., marked T 4 S R 6 W S 32 B T.

A pinon pine, 12 ins. diam., bears N. 46° W., 55 lks. dist., marked T 4 S R 6 W S 29 B T.

Land, mountainous and level.

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

Timber, cedar and pinon pine.

Undergrowth, sage brush.

A very little grass.

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

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

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

80.18 Intersect N. and S. line, 23 lks. S. of the cor. of secs. 27, 28, 33, and 34.

Thence I run

S. 69° 50' W., on a true line bet. secs. 28 and 33.

Over mountainous land; through heavy timber.

Descend .

37.00 A shale ledge, 60 ft. high, bears N. and S. Leave timber.

40.09 Set a limestone, 18x14x3 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.

Enter dense sage brush, bears NW and SE.

Subdivision of T 4-S R-6-W -Continued

Chains

- 42.25 Bottom of hollow, 200 ft. below sec. cor., course N. 70° W.
Thence along side hill;
- 60.00 Foot of descent, bears N. and S.
Enter bottom of Lake Canon.
- 70.00 Leave canon, bears N. and S.
Ascend abruptly .
- 80.18 The cor. of secs. 28, 29, 32, and 33.
Land, mountainous and level.
Soil, shaly formation; 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, 80.18 chs.
-
- N. 0° 3' W., bet. secs. 28 and 29.
Over mountainous land; through heavy timber.
Descend.
- 27.50 Foot of descent, 150 ft. below sec. cor., bears N. 30° W. and S. 30° E.
Leave timber and enter dense undergrowth, bears N. 30° W. and S. 30° E.
Enter bottom of Lake Canon.
- 40.00 Set a sandstone, 20x12x4 ins., 15 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.
- 41.00 Trail, bears N. 30° W. and S. 30° E.
- 76.00 Leave canon bottom, bears N. 30° W. and S. 30° E.
Leave undergrowth and enter scattering timber, bears N. 30° W. and S. 30° E.
Ascend over a series of ledges.

Subdivision of T.4 S., R.6 W. -Continued.

Chains

80.00 Set a limestone, 18x13x4 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 pinon pine, 13 ins. diam., bears N. 60° E., 40 lks. dist., marked T 4 S R 6 W § 21 B T.

A pinon pine 15 ins. diam., bears S. 26° E., 35 lks. dist., marked T 4 S R 6 W § 28 B T.

A pinon pine, 13 ins. diam., bears S. 34° W., 35 lks. dist., marked T 4 S R 6 W § 29 B T.

A pinon pine, 16 ins. diam., bears N. 36° W., 37 lks. dist., marked T 4 S R 6 W § 20 B T.

Land, mountainous and level.

Soil, shaly formation; 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.

October 23, 1903: At this cor. I set off 11° 11' S., 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° 7' N., which is the proper lat. nearly.

N. 89° 50' E., on a random line bet. secs. 21 and 28.

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

80.10 Intersect N. and S. line, 2 lks. N. of the cor. of secs. 21, 22, 27, and 28.

Thence I run

S 89° 54' W., on a true line bet. secs. 21 and 28.

Over mountainous land; through heavy timber.

Ascend .

25.00 Top of divide ridge between Lake Canon and hollow on east, 400 ft. above sec. cor., bears N. and S.

Subdivision of T.4.S.,R 6.W.-Continued.

Chains	Descend.
40.05	Set a sandstone, 18x14x5 ins., 12 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; from which <p style="margin-left: 40px;">A pinon pine, 17 ins. diam., bears N. 81° W., 55 lks. dist., marked $\frac{1}{4}$ S 21 B T. A pinon pine, 11 ins. diam., bears S. 45° W., 18 lks. dist., marked $\frac{1}{4}$ S 28 B T.</p>
80.10	The cor. of secs. 20, 21, 28, and 29. Land, mountainous. Soil, shaly formation; 3rd rate. Timber, cedar and pinon pine. Good grass for grazing. Mountainous or heavily timbered land, 80.10 chs.
<hr/> <p>N. 0° 3' W., bet. secs. 20 and 21.</p>	
	Over mountainous land; through heavy timber. Descend .
4.50	Bottom of draw, 50 ft. below sec. cor., course W. Ascend abruptly.
33.00	Top of spur, 500 ft. above draw, bears N. 60° E. and S. 60° W. Descend .
39.10	Bottom of hollow, 200 ft. below spur, course S. 70° W. Ascend .
40.00	Set a limestone, 18x7x5 ins., 12 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face; from which <p style="margin-left: 40px;">A pinon pine, 10 ins. diam., bears E., 55 lks. dist., marked $\frac{1}{4}$ S 21 B T. A pinon pine, 12 ins. diam., bears W., 18 lks. dist., marked $\frac{1}{4}$ S 20 B T.</p>
70.00	Top of spur, 500 ft. above hollow, bears NW and SE. Descend .
80.00	Set a sandstone, 16x14x5 ins., 11 ins. in the ground, for cor. of secs. 16, 17, 20, and 21, marked with 3 notches

Subdivision of T. 4 S R 6 W -Continued

Chains on S. and 4 notches on E. edges, from which

A pinon pine, 7 ins. diam., bears N. 37° E., 26
 lks. dist., marked T 4 S R 6 W S 16 B T.

A pinon pine, 10 ins. diam., bears S. 63° E.,
 55 lks. dist., marked T 4 S R 6 W S 21 B T.

A pine, 12 ins. diam., bears S. 20° W., 39 lks.
 dist., marked T 4 S R 6 W S 20 B T.

A pinon pine, 6 ins. diam., bears N. 39° W.,
 80 lks. dist., marked T 4 S R 6 W S 17 B T.

Land, mountainous
 Soil, shaly and gravelly; 3rd rate.
 Timber, cedar and pinon pine.
 Good grass for grazing.
 Mountainous or heavily timbered land, 80.00 chs.

N. 89° 54' 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, 9 lks. N. of the cor. of secs.
 15, 16, 21, and 22.
 Thence I run
 S. 89° 58' W., on a true line bet. secs. 16 and 21.
 Over mountainous land; through heavy timber.
 Descend

10.50 Bottom of hollow, 500 ft. below sec. cor., course NW.
 Ascend.

23.20 Top of ridge, 600 ft. above hollow, bears N. and S.
 Descend

40.04 Set a limestone, 20x12x4 ins., 15 ins. in the ground,
 for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; from which

A pinon pine, 8 ins. diam., bears N. 20° W., 20
 lks. dist., marked $\frac{1}{4}$ S 16 B T.

A pinon pine, 12 ins. diam., bears S. 30° E., 30
 lks. dist., marked $\frac{1}{4}$ S 21 B T.

44.00 Bottom of hollow, 200 ft. below ridge, course N.

Subdivision of T 4 S R 6 W -Continued

Chains Ascend .
 63.00 Top of divide ridge between Lake Canon and hollow on east, 200 ft. above hollow, bears N. and S.

Descend .

80.08 The cor. of secs. 16, 17, 20, and 21.

Land, mountainous.

Soil, shaly and gravelly; 3rd rate.

Timber, cedar and pinon pine.

Good grass for grazing.

Mountainous or heavily timbered land, 80.08 chs.

October 23, 1903.

October 24, 1903 At 8 h 0 m a.m., l.m.t., I set off 40° 8' N., on the lat. arc; 11° 27' S., on the decl. arc; and determine a meridian with the solar, at the cor. of secs. 16, 17, 20, and 21.

Thence I run

N. 0° 3' W., bet. secs. 16 and 17.

Over mountainous land; through heavy timber.

Descend .

1.00 Bottom of hollow, 10 ft. below sec. cor., course N. 60° E.

Ascend .

2.70 Top of spur, 25 ft. above hollow, bears E. and W.

Descend .

6.00 Bottom of same hollow, 50 ft. below spur, course N. 80° W.

Ascend .

10.80 Top of spur, 60 ft. above hollow, bears E. and W.

Descend .

27.50 Bottom of hollow, 100 ft. below spur, course W.

Ascend .

38.75 Top of ridge, 150 ft. above hollow, bears E. and W.

Descend .

Subdivision of T. 4 S., R. 6 W. - Continue.

Chains

40.00 Set a limestone, 15x9x4 ins., 10 ins. in the ground, for $\frac{1}{2}$ sec. cor., marked $\frac{1}{4}$ on W. face; from which

A pinon pine, 12 ins. diam., bears S. 80° E., 45 lks. dist., marked $\frac{1}{2}$ S 16. B T.

A pinon pine, 12 ins. diam., bears S. 60° W., 50 lks. dist., marked $\frac{1}{2}$ S 17 B T.

60.00 Bottom of hollow, 100 ft. below ridge course NE.

Ascend .

78.10 Top of ridge, 150 ft. above hollow, bears N. 20° E. and S. 20° W.

Descend .

80.00 Set a limestone, 16x12x4 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 pinon pine, 6 ins. diam., bears N. 50° E., 58 lks. dist., marked T 4 S R 6 W S 9 B T.

A pinon pine, 10 ins. diam., bears S. 32° E., 80 lks. dist., marked T 4 S R 6 W S 16 B T.

A cedar, 10 ins. diam., bears S. 68° W., 59 lks. dist., marked T 4 S R 6 W S 17 B T.

A pinon pine, 8 ins. diam., bears N. 18° W., 76 lks. dist., marked T 4 S R 6 W S 8 B T.

Land, high, mountainous .

Soil, rocky; 4th rate.

Timber, cedar and pinon pine.

Good grass for grazing.

Mountain us or heavily timbered land, 80.00 chs.

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

40.00 Set temp. $\frac{1}{2}$ sec. cor.

80.20 Intersect N. and S. line, at the cor. of secs. 9, 10, 15, and 16.

Subdivision of T.4 S., R.6 W. -Continued.

Chains	Thence 1 run S. 89° 58' W., on a true line bet. secs. 9 and 16. Over mountainous land; through scattering timber. Descend .
16.10	Bottom of hollow, 200 ft. below sec. cor., course N. 10° W. Ascend .
39.00	Top of ridge, 400 ft. above hollow, bears N. and S. Descend .
40.10	Set a limestone, 15x10x4 ins., 10 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; from which A pinon pine, 4 ins. diam., bears N. 5° W., 132 lks. dist., marked $\frac{1}{4}$ S 9 B T. A pinon pine, 10 ins. diam., bears S. 28° W., 144 lks. dist., marked $\frac{1}{4}$ S 16 B T.
41.25	Bottom of hollow, 25 ft. below ridge, course N. Ascend .
44.50	Top of spur, 25 ft. above hollow, bears N. and S. Descend .
46.90	Bottom of hollow, 25 ft. below spur, course N. 20° E. Ascend .
63.00	Top of spur, 100 ft. above hollow, bears N. and S. Descend .
73.25	Bottom of hollow, 150 ft. below spur, course N. 20° W. Ascend .
79.80	Top of spur, 75 ft. above hollow, bears N. 20° E. and S. 20° W. Descend .
80.20	The cor. of secs. 8, 9, 16, and 17. Land, mountainous. Soil, gravelly; 3rd rate. Timber, cedar and pinon pine. Good grass for grazing. Mountainous land, 80.20 chs. October 24, 1903: At this cor. I set off 11° 32' S., on

Subdivision of T 4 S R 6 W -Continued

Chains

the decl. arc; and at 0 h 2 m. p. m., l. m. t., observe the sun on the meridian, the resulting lat. is $40^{\circ} 9' N$.

N. $0^{\circ} 3' W$., bet. secs. 8 and 9.

Over mountainous land; through scattering timber.

Descend .

1.75 Bottom of hollow, 50 ft. below sec. cor., course N. $20^{\circ} E$

Ascend .

26.70 Top of ridge, 100 ft. above hollow, bears N. $20^{\circ} E$. and S. $20^{\circ} W$.

Descend .

40.00 Set a sandstone, 15x9x6 ins., 10 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face; from which

A pinon pine, 5 ins. diam., bears E., 20 lks. dist., marked $\frac{1}{4}$ S 9 B T.

A pinon pine, 6 ins. diam., bears N. $20^{\circ} W$., 30 lks. dist., marked $\frac{1}{4}$ S 8 B T.

64.50 Leave timber and enter dense undergrowth, bears E. and W.

68.00 Foot of descent, 300 ft. below ridge, bears E. and W. Enter bottom of Strawberry River Canon.

Enter scattering cottonwood timber, bears E. and W.

72.50 Old road, bears E. and W.

80.00 Set a sandstone, 15x9x5 ins., 10 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 cottonwood, 6 ins. diam., bears N. $35^{\circ} E$., 103 lks. dist., marked T 4 S R 6 W S 4 B T.

A cottonwood, 4 ins. diam., bears S. $30^{\circ} E$., 27 lks. dist., marked T 4 S R 6 W S 9 B T.

A cottonwood, 5 ins. diam., bears S. $51^{\circ} W$., 42 lks. dist., marked T 4 S R 6 W S 8 B T.

Subdivision of T. 4 S., R. 6 W. -Continued

Chains No other trees within limits; raise a mound of stone,
 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
 Land, mountainous and level.
 Soil, sandy loam and gravelly; 2nd and 3rd rate.
 Timber, cedar, pinon pine, and cottonwood.
 Undergrowth, sage brush and willows.
 Good grass for grazing.
 Mountainous land, or land covered with dense under-
 growth, 80.00 chs.

N. $89^{\circ}58'E.$, on a random line bet. secs. 4 and 9.

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

80.24 Intersect N. and S. line, 9 lks. S. of the cor. of secs.
 3, 4, 9, and 10.
 Thence I run
 S. $89^{\circ}54'W.$, on a true line bet. secs. 4 and 9.
 Over level canon bottom; through dense undergrowth
 and scattering cottonwood timber.

11.62 Left bank of Strawberry River, sandy bottom, medium
 current, 2 ft. deep, course S.

12.40 Right bank of river.

27.75 Old road, bears NE and SW.

40.12 Set a limestone, 18x12x4 ins., 12 ins. in the ground,
 for $\frac{1}{4}$ sec. cor., marked π on N. face; 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.

80.24 The cor. of secs. 4, 5, 8, and 9.
 Land, level.
 Soil, sandy loam; 2nd rate.
 Timber, cottonwood.
 Undergrowth, sage brush, greasewoods, willows, and
 rabbit brush.
 Good grass for grazing.

Subdivision of T. 4 S., R. 6 W. -Continued

Chains	Land, covered with dense undergrowth, 80.24 chs.
	<hr style="width: 20%; margin: 0 auto;"/>
	N. 0° 3' W., on a random line bet. secs. 4 and 5.
40.00	Set temp. $\frac{1}{2}$ sec. cor.
80.28	Intersect N. bdy. of Tp., 12 lks. W. of the cor. of secs. 4, 5, 32, and 33, heretofore described, Thence I run S. 0° 2' W., on a true line bet. secs. 4 and 5. Over mountainous land; through dense undergrowth. Descend .
1.50	Bottom of hollow, 15 ft. below sec. cor., course SE. Ascend .
5.00	Enter heavy timber and leave undergrowth, bears E. and W.
35.00	Top of ridge, 200 ft. above sec. cor., bears E. and W. This is divide ridge between Strawberry River Canon, and canon on north. Descend .
40.28	Set a sandstone, 15x7x6 ins., 10 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face; from which A cedar, 5 ins. diam., bears E., 27 lks. dist., marked $\frac{1}{4}$ S 4 B T. A cedar, 5 ins. diam., bears N. 15° W., 12 lks. dist., marked $\frac{1}{4}$ S 5 B T.
58.55	Perpendicular ledge, 50 ft. high, bears E. and W.
61.00	Foot of descent, 300 ft. below ridge, bears E. and W. Enter Strawberry River Canon. Leave cedar and pinon pine timber and enter dense undergrowth and scattering cottonwoods, bears E. and W.
62.40	Left bank of Strawberry River, sluggish current, sandy bottom, 4 ft. deep, course E.
63.50	Right bank of River.
80.28	The cor. of secs. 4, 5, 8, and 9.

Subdivision of T. 4 S., R. 6 W. -Continued

Chains Land, mountainous and level.
 Soil, sandy loam and gravelly; 2nd and 3rd rate.
 Timber, cedar, pinon pine, and cottonwood.
 Undergrowth, sage brush, willows, and bull berry brush.
 Good grass for grazing.
 Mountainous or heavily timbered land, or land covered
 with dense undergrowth, 80.28 chs.

October 24, 1903.

October 25, 1903: At 8 h 30 a.m., l.m.t., I set off
 40° 05' N', on the lat. arc; 11° 48' S', on the decl. arc; and
 determine a meridian, with the solar, at the standard
 cor. of secs. 31 and 32, heretofore described.

Thence I run

N. 0° 4' W., bet. secs. 31 and 32.

Over mountainous land; through heavy timber.

Descend.

3.90 Bottom of hollow, 50 ft. below sec. cor., course NE.

Ascend.

32.50 Top of spur, 200 ft. above hollow, bears NE and SW.

Descend.

40.00 Set a sandstone, 15x10x5 ins., 10 ins. in the ground, for
 ½ sec. cor., marked ½ on W. face; from which

A red pine, 16 ins. diam., bears S. 75° E., 45
 lks. dist., marked ½ S 32 B T.

A pinon pine, 10 ins. diam., bears N. 50° W.,
 135 lks. dist., marked ¼ S 31 B T.

46.50 Bottom of hollow, 150 ft. below spur, course N. 30° E.

Ascend.

80.00 Set a sandstone, 18x8x5 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, 16 ins. diam., bears N. 33° E., 68

Subdivision of T.4 S., R.6 W. -Continued

Chains	<p>lks.dist., marked T 4 S R 6 W S29 B T .</p> <p>A pinon pine, 10 ins.diam., bears S. 51° E., 40</p> <p>lks.dist., marked T 4 S R 6 W S 32 B T .</p> <p>A pinon pine, 11 ins.diam., bears S. 35° W., 34</p> <p>lks.dist., marked T 4 S R 6 W S 31 B T .</p> <p>A pinon pine, 13 ins.diam., bears N. 56° W., 46</p> <p>lks.dist., marked T 4 S R 6 W S 30 B T .</p> <p>Land, mountainous .</p> <p>Soil, sandy and gravelly; 2nd and 3rd rate.</p> <p>Timber, cedar, pinon pine, and red pine.</p> <p>Good grass for grazing .</p> <p>Mountainous or heavily timbered land, 80.00 chs.</p>
	<p>East, on a random line bet.secs.29 and 32.</p>
40.00	Set temp. $\frac{1}{4}$ sec.cor.
80.18	Intersect N. and S. line, 19 lks.S. of the cor. of secs. 28, 29, 32, and 33.
	Thence I run
	S. 89° 52' W., on a true line bet.secs.29 and 32.
	Over mountainous land; through heavy timber .
	Ascend .
40.09	Set a sandstone, 18x11x5 ins., 12 ins.in the ground, for $\frac{1}{4}$ sec.cor., marked $\frac{1}{4}$ on N. face; from which
	A cedar, 8 ins.diam., bears N. 50° W., 50 lks. dist., marked $\frac{1}{4}$ S 29 B T .
	A pinon pine, 5 ins.diam., bears S. 45° E., 60 lks.dist. marked $\frac{1}{4}$ S 32 B T .
42.00	Top of spur, 350 ft. above sec.cor., bears N. and S.
	Descend .
70.00	Bottom of hollow, 400 ft. below spur, course N. 30° E.
	Ascend .
80.18	The cor. of secs. 29, 30, 31, and 32.
	Land, mountainous.

Subdivision of T.4 S.,R.6 W.-Continued.

Chains	Soil,gravelly;3rd rate. Timber,cedar and pinon pine. Good grass for grazing. Mountainous or heavily timbered land,80.18 chs.
	West,on a random line bet.secs.30 and 31.
40.00	Set temp. $\frac{1}{4}$ sec.cor.
79.80	Intersect W.bdy.of Tp.,9 lks.S.of the cor.of secs. 25,30,31,and 36,heretofore described. Thence I run S $_{89^{\circ}56'E}$.,on a true line bet.secs.30 and 31. Over mountainous land;through heavy timber. Ascend .
15.00	Top of spur,150 ft.above cor.,bears N.and S. Descend .
27.00	Bottom of hollow,300 ft.below spur,course N. Ascend .
39.80	Set a calcareous sandstone,15x9x4 ins.,10 inc.in the ground,for $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on N.face;from which A cedar,15 ins.diam.,bears N.45 $^{\circ}$ W.,43 lks.dist.marked $\frac{1}{4}$ S.30 B T. A pinon pine,6 ins.diam.,bears S.55 $^{\circ}$ E.,35 lks.dist.,marked $\frac{1}{4}$ S.31 B T.
43.00	Top of spur,300 ft.above hollow,bears NW and SE. Descend .
53.50	Bottom of hollow,300 ft.below spur,course N.30 $^{\circ}$ W. Ascend .
67.50	Top of divide ridge,between Lake and Dry canons, 240 ft.above hollow,bears N.and S. Descend .
79.80	The cor.of secs.29,30,31,and 32. Land,mountainous. Soil,gravelly;3rd rate.

Subdivision of T. 4 S. R. 6 W -Continued

- Chains Timber, cedar and pinon pine .
 Good grass for grazing.
 Mountainbus or heavily timbered land, 79.80 chs.
 October 25, 1903: At this cor. I set off $11^{\circ} 53' S.$, on
 the decl. arc; and at 0 h 3 m p.m., l.m.t., observe the
 sun on the meridian, the resulting lat. is $40^{\circ} 6' N.$
-
- N. $0^{\circ} 4' W.$, bet. secs. 29 and 30.
 Over mountainous land; through heavy timber.
 Ascend .
- 37.50 Top of ridge, 150 ft. above sec. cor., bears N. $30^{\circ} E.$ and
 S. $30^{\circ} W.$.
 Descend .
- 40.00 Set a sandstone, 18x8x4 ins., 12 ins. in the ground, .
 for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face ; from which
 A pinon pine, 9 ins. diam., bears S. $77^{\circ} E.$, 33
 lks. dist., marked $\frac{1}{4}$ S 29 B T.
 A cedar, 5 ins. diam., bears S. $51^{\circ} W.$, 70 lks.
 dist., marked $\frac{1}{4}$ S. 30 B. T.
- 71.50 Bottom of hollow, 300 ft. below spur, course N. $10^{\circ} W.$
 Ascend .
- 80.00 Set a limestone, 18x13x5 ins., 12 ins. in the ground, .
 for cor. of secs. 19, 20, 29, and 30, marked with 2 notches
 on S. and 5 notches on E. edges; from which
 A pinon pine, 10 ins. diam., bears N. $45^{\circ} E.$,
 35 lks. dist., marked T 4 S R 6 W S 20 B T.
 A pinon pine, 8 ins. diam., bears S. $30^{\circ} E.$, 52
 lks. dist., marked T. 4 S R 6 W S 29 B T.
 A pinon pine, 8 ins. diam., bears S. $27^{\circ} W.$, 90
 lks. dist., marked T 4 S R 6 W S 30 B T.
 A pinon pine, 12 ins. diam., bears N. $30^{\circ} W.$,

Subdivision of T. 4 S. R. 6 W. - Continued

Chains	70 lks. dist., marked T 4 S R 6 W S 19 B T.
	Land, mountainous .
	Soil, gravelly; 2nd and 3rd rate.
	Timber, cedar, pinon pine, red pine.
	Good grass for grazing.
	Mountainous or heavily timbered land, 80.00 chs.

	N. 89° 52' E., on a random line bet. secs. 20 and 29.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.28	Intersect N. and S. line, 14 lks. S. of the cor. of secs. 20, 21, 28, and 29.
	Thence I run
	S. 69° 46' W., on a true line bet. secs. 20 and 29.
	Overmountainous land; through scattering timber .
	Descend .
3.00	Foot of descent, 60 ft. below set. cor., bears N. 50° W. and S. 30° E.
	Enter bottom of Lake Canon .
	Leave timber and enter dense sage brush, bears N. 30° W. and S. 30° E.
9.75	Trail, bears N. 30° W. and S. 30° E.
11.50	Leave canon bottom, bears N. 30° W. and S. 30° E.
	Leave undergrowth, and enter heavy timber, bears N. 30° W. and S. 30° E.
	Ascend .
35.00	Top of spur, 600 ft. above canon , bears N. and S.
	Descend .
40.14	Set a limestone, 18x7x5 ins., 12 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; from which
	A pinon pine, 13 ins. diam., bears N. 10° W., 40 lks. dist., marked $\frac{1}{4}$ S 20 B T.
	A pinon pine, 14 ins. diam., bears S. 5° E., 62 lks. dist., marked $\frac{1}{4}$ S 29 B T.
57.00	Bottom of hollow, 350 ft. below spur, course N. 20° E.

- Chains Ascend abruptly.
- 75.00 Top of spur, 500 ft. above hollow, bears N. 10° W. and S. 10° E.
Descend .
- 80.28 The cor. of secs. 19, 20, 29, and 30.
Land, mountainous and level.
Soil, sandy and gravelly; 2nd and 3rd rate.
Timber, cedar and pinon pine.
Good grass for grazing.
Mountainous or heavily timbered land, or land covered with dense undergrowth, 80.28 chs.
-
- N. 89° 56' W., on a random line bet. secs. 19 and 30.
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 79.64 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° 58' E., on a true line bet. secs. 19 and 30.
Over mountainous land; through heavy timber.
Descend .
- 20.75 Bottom of hollow, 200 ft. below sec. cor., course N. 20° W.
Ascend .
- 39.64 Set a sandstone, 20x8x5 ins., 15 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; from which
A pinon pine, 13 ins. diam., bears N. 15° E., 48 lks. dist., marked $\frac{1}{4}$ S 19 B T.
A pinon pine, 10 ins. diam., bears S. 12° E., 11 lks. dist., marked $\frac{1}{4}$ S 30 B T.
- 58.50 Top of divide ridge between Lake and Dry Canons, 500 ft. above hollow, bears N. and S.
Descend .
- 78.00 Bottom of hollow, 350 ft. below ridge, course N. 30° W.
Ascend .
- 79.64 The cor. of secs. 19, 20, 29, and 30.

Subdivision of T. 4 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, 79.64 chs.

October 25, 1903.

October 26, 1903: At 8 h 0 m a.m., l.m.t., I set off
 40° 7' N., on the lat. arc; 12° 9' S., on the decl. arc; and
 determine a meridian, with the solar, at the cor. of
 secs. 19, 20, 29, and 30.

Thence I run

N. 0° 4' W., bet. secs. 19 and 20.

Over mountainous land; through heavy timber.

Descend gradually along side hill.

40.00 Set a sandstone, 15x11x4 ins., 10 ins. in the ground,
 for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face; from which

A pinon pine, 10 ins. diam., bears N. 78° E., 35
 lks. dist., marked $\frac{1}{4}$ S 20 B T.

A pinon pine, 14 ins. diam., bears N. 77° W., 60
 lks. dist., marked $\frac{1}{4}$ S. 19 B T.

50.00 Bottom of hollow, 300 ft. below sec. cor., course N. 70° E.

Ascend .

80.00 Set a limestone, 18x11x5 ins., 12 ins. in the ground,
 for cor. of secs. 17, 18, 19, and 20, marked with 3 notch-
 es on S. and 5 notches on E. edges; from which

A pinon pine, 10 ins. diam., bears N. 60° E., 45
 lks. dist., marked T 4 S R 6 W S 17 B T.

A pinon pine, 11 ins. diam., bears S. 30° E., 55
 lks. dist., marked T 4 S R 6 W S 20 B T.

A pinon pine, 8 ins. diam., bears S. 37° W., 60

Subdivision of T. 4 S., R. 6 W. -Continued

Chains 1ks. dist., marked T 4 S R 6 W S 19 B T.
 A pinon pine, 9 ins. diam., bears N. 40° W., 38
 lks. dist., marked T 4 S R 6 W S 18 B T.

Land, mountainous .
 Soil, sandy loam and rocky; 2nd and 4th rate.
 Timber, cedar and pinon pine.
 Good grass for grazing.
 Mountainous or heavily timbered land, 80.00 chs.

N. 89° 46' E., on a random line bet. secs. 17 and 20.

40.00 Set temp. $\frac{1}{2}$ sec. cor.

80.30 Intersect N. and S. line, 10 lks. N. of the cor. of secs.
 16, 17, 20, and 21.

Thence 1 run

S. 89° 50' W., on a true line bet. secs. 17 and 20.

Over mountainous land; through heavy timber.
 Descend

4.00 Bottom of hollow, 10 ft. below sec. cor., course NE.
 Ascend

12.00 Top of ridge, 200 ft. above hollow, bears NW and SE.
 Descend

30.00 Begin abrupt descent over ledges, bears N. and S.

40.15 Set a limestone, 20x7x5 ins., 15 ins. in the ground,
 for $\frac{1}{2}$ sec cor., marked $\frac{1}{2}$ on N. face; from which
 a pinon pine, 30 ins. diam., bears N. 20° W., 97
 lks. dist., marked $\frac{1}{2}$ S 17 B T.
 A cedar, 5 ins. diam., bears S. 5° E., 26 lks.
 dist., marked $\frac{1}{2}$ S 20 B T.

40.85 Top of ledge, 55 ft. high, bears N. and S.

50.50 Leave ledges, bears N. and S.

53.00 Foot of descent, 800 ft. below ridge, bears N. 20° W.
 and S. 20° E.

Leave timber and enter dense sage brush, bears N. 20° W.
 and S. 20° E.

Subdivision of T. 4 S., R. 6 W. -Continued

- Chains Enter bottom of Lake Canon.
- 55.62 Trail, bears N. 20° W. and S. 20° E.
- 63.00 Leave canon bottom, bears N. 20° W. and S. 20° E.
 Leave undergrowth and enter heavy timber, bears N. 20° W. and S. 20° E.
 The south edge of a lake bears N., about 7.00 chs. dist.
 Ascend abruptly .
- 80.30 The cor. of secs. 17, 18, 19, and 20.
 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 or heavily timbered land, 80.30 chs.
 October 26, 1903: At this cor. I set off 12° 13' S., 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° 8' N.
-
- S. 69° 58' W., on a random line bet. secs. 18 and 19.
- 40.00 Set temp. & sec. cor.
- 79.40 Intersect W. bdy. of 1p., 14 lks. N. of the cor., of secs. 13, 18, 19, and 24, heretofore described.
 Thence I run
 N. 69° 52' E., on a true line bet. secs. 18 and 19.
 Over level bottom of Dry Canon; through dense undergrowth.
- 6.00 Leave canon bottom, bears N. and S.
 Leave undergrowth and enter heavy timber, bears N. and S.
 Ascend .
- 25.46 Top of divide ridge, between Dry Canon and the hollow on the east, 500 ft. above canon, bears N. and S.

Subdivision of T. 4 S., R. 6 W. - Continued

Chains	Descend .
33.46	Bottom of hollow, 100 ft. below ridge, course N. Ascend .
39.46	Top of spur, 100 ft. above hollow, bears N. 10° W. and S. 10° E. Set a sandstone, 24x14x4 ins., 18 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; from which A white pine, 12 ins. diam., bears N. 15° E., 33 lks. dist., marked $\frac{1}{4}$ S 18 B T. A pinon pine, 8 ins. diam., bears S. 52° W., 39 lks. dist., marked $\frac{1}{4}$ S 19 B T.
60.00	Bottom of hollow, 100 ft. below spur, course NW. Ascend .
65.40	Top of ridge, 100 ft. above hollow, bears N. 20° W. and S. 20° E. Descend .
79.46	The cor. of secs. 17, 18, 19, and 20 . Land, mountainous and level. Soil, sandy and gravelly; 2nd and 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, 79.46 chs.

	N. 0° 4' W., bet. secs. 17 and 18. Over mountainous land; through scattering timber. Descend .
16.50	Foot of descent, 300 ft. below sec. cor., bears NW and SE. Leave timber and enter dense undergrowth, bears NW. and SE. Enter bottom of Lake Canon.

Subdivision of T.4 S., R.6 W. -Continued

Chains

- 24.50 South edge of Lake, bears NW and SE. 2 ft. deep, on line.
 This lake is about 15.00 chs. long and from 3.00 chs. to 7.00 chs. wide, average depth about 10 ft. The water is alkaline, and is supplied by seeping springs along the south side of the lake. It has no outlet.
- 29.00 North edge of lake, bears N.70°W. and S.70°E.
- 34.50 Leave canon bottom, bears NW and SE.
 Leave undergrowth and enter scattering timber, bears NW. and SE.
 Ascend
- 40.00 Set a limestone, 16x8x4 ins., 12 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{2}$ on W. face; from which
 A cedar, 8 ins. diam., bears N.60°E., 60 lks. dist., marked $\frac{1}{2}$ S 17 B T.
 A pinon pine, 8 ins. diam., bears N.30°W., 30 lks. dist., marked $\frac{1}{4}$ S 18 B T.
 Descend gradually.
- 60.00 Bottom of hollow, 50 ft. below $\frac{1}{4}$ sec. cor., course W.
 Ascend.
- 80.00 Set a sandstone, 16x10x6 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 cedar, 5 ins. diam., bears N.5°E., 170 lks. dist., marked T 4 S R 6 W S 8 B T.
 A cedar, 4 ins. diam., bears S.39°E., 109 lks. dist., marked T 4 S R 6 W S 17 B T.
 A pinon pine, 4 ins. diam., bears S.51° 30'W. 87 lks. dist., marked T 4 S R 6 W S 18 B T.
 A cedar, 4 ins. diam., bears N.62°W., 105 lks. dist., marked T 4 S R 6 W S 7 B T.
 Land, mountainous and level.
 Soil, gravelly and rocky; 3rd and 4th rate.
 Timber, cedar and pinon pine.
 Undergrowth, greasewoods.
 Good grass for grazing.

Subdivision of T 4.S R 6.W -Continued.

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

	N. 89° 50' E., on a random line bet. secs. 8 and 17.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.40	Intersect N. and S. line, 5 lks. S. of the cor. of secs. 8, 9, 16, and 17.
	Thence I run
	S. 89° 48' W., on a true line bet. secs. 8 and 17.
	Over mountainous land; through heavy timber.
	Descend .
1.25	Bottom of hollow, 20 ft. below sec. cor., course N. 10° E.
	Ascend .
13.00	Top of ridge, 150 ft. above hollow, bears N. 10° E. and S. 10° W.
	Descend .
17.85	Bottom of hollow, 60 ft. below ridge, course NW.
	Ascend .
25.50	Top of spur, 80 ft. above hollow, bears NW and SE.
	Descend .
30.00	Bottom of hollow, 60 ft. below ridge, course N. 60° W.
	Ascend .
40.20	Top of spur, 50 ft. above hollow, bears N. 80° W. and S. 80° E.
	Set a limestone, 24x14x4 ins., 18 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; from which
	A pinon pine, 8 ins. diam., bears N. 14° W., 59
	lks. dist., marked $\frac{1}{4}$ S 8 B T.
	A pinon pine, 9 ins. diam., bears S. 22° E., 108
	lks. dist., marked $\frac{1}{4}$ S 17 B T.
45.50	Bottom of hollow, 30 ft. below spur, course N.
	Ascend .
50.50	Top of spur, 120 ft. above hollow, bears N. and S.
	Descend .

Subdivision of T.4 S., R.6 W. -Continued.

Chains

59.75 Bottom of hollow, 50 ft. below spur, course N. 30° W.

Ascend .

66.00 Top of ridge, 80 ft. above hollow, bears NW and SE.

Descend .

73.25 Begin abrupt descent, bears NE and SW.

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

Land, mountainous .

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

Timber, cedar and pinon pine.

No grass.

Mountainous or heavily timbered land, 80.40 chs.

October 26, 1903.

October 27, 1903: At 8 h 2 m a.m., l.m.t., I set off 40° 9' N., on the lat. arc; 12° 29' S., on the decl. arc; and determine a meridian, with the solar, at the cor. of secs. 7, 8, 17, and 18.

Thence I run

S. 89° 52' W., on a random line bet. secs. 7 and 18.

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

78.00 Right bank of Strawberry River. Knowing that the cor. point for secs. 7, 12, 13, and 18, falls in river I set a temp. witness cor. Then I offset as follows:

South 1.30 chs.; then on offset line:

S. 89° 52' W., 1.30 chs. to west bdy. of Tp.,

which added to 78.00 chs. makes

79.30 Intersect W. bdy. of Tp., at the witness cor. of secs. 13 and 18., heretofore described, which is 1.30 chs. S. of the true cor. point.

Thence I run

N. 89° 52' E., on offset line,

Subdivision of T 4 S., R. 6 W. -Continued.

Chains	Over level canon bottom; through dense undergrowth.
1.30	Offset 1.30 chs. N. to true line, Set a sandstone, 18x9x5 ins., 12 ins. in the ground, for witness cor. to cor. of secs. 7 and 18, marked W.C. on NE face; 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. On right bank of Strawberry River, course N. Thence I run N. 89° 52' E., on the true line. Counting the distances from the true cor. point for cor. of secs. 7, 12, 13, and 18, in river. Over level canon bottom through dense undergrowth.
11.35	Right bank of Strawberry River, moderate current, 2½ ft. deep, course S.
13.00	Left bank of River, Enter scattering cottonwood timber, bears N. and S.
24.10	Left bank of Strawberry River, moderate current, 2 ft. deep, course N.
25.50	Right bank of River.
36.30	Right bank of Strawberry River, moderate current, 2 ft. deep, course S. 70° E.
37.90	Left bank of River.
39.30	Set a cobble stone, 15x10x6 ins., 10 ins. in the ground for ¼ sec. cor., marked ¼ on N. face; from which A cottonwood, 7 ins. diam., bears N. 5° E., 46 lks. dist., marked ¼ S 7 B T. A cottonwood, 6 ins. diam., bears S. 45° W., 33 lks. dist., marked ¼ S 18 B T.
40.90	Old road, bears N. and S.
44.80	Fence, bears N. 70° W. and S. 70° E.
49.30	Leave timber, bears N. and S.
59.20	Left bank of Strawberry River, rapid current, rocky bottom, 1½ ft. deep, course N.
59.80	Right bank of River.

Subdivision of T.4 S., R.5 W.-Continued.

Chains

- 72.00 Leave canon bottom, bears N and S.
 Leave undergrowth and enter scattering cedar and pinon pine timber, bears N. and S.
 Ascend abruptly.
- 79.30 The cor. of secs. 7, 8, 17, and 18.
 Land, mountainous and level.
 Soil, sandy loam and rocky; 2nd and 4th rate.
 Timber, cedar, pinon pine, and cottonwood.
 Undergrowth, sage brush, greasewoods, willows, and bull berry brush.
 Good grass for grazing.
 Mountainous land, or land covered with dense undergrowth, 79.30 chs.

N. 0° 4' W., bet. secs. 7 and 8.

Over mountainous land; through scattering timber.
 Descend along side hill.

- 31.00 Foot of descent, 400 ft. below sec. cor., bears NE and SW.
 Leave timber and enter dense undergrowth and scattering cottonwood timber, bears NE and SW.
 Enter bottom of Strawberry River Canon.
- 40.00 Set a cobble stone, 16x12x6 ins., 12 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face; dig pits, 18x18x12 ins., N. and S. of stone, 3 ft. dist., and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
- 56.00 Right bank of Strawberry River, moderate current, sandy bottom, 3 ft. deep, course E.
- 57.25 Left bank of Strawberry River.
- 72.50 Old road, bears E. and W.
- 80.00 Set a sandstone, 18x10x6 ins., 12 ins. in the ground, for cor. of secs. 5, 6, 7, and 8, marked with 5 notches on S., and E. edges; and raise a mound of stone, 2 ft.

Subdivision of T;4 S.,R.6 W. -Continued.

- Chains base, $1\frac{1}{2}$ ft. high, W. of cor.
- Land, mountainous and level.
- Soil, sandy loam in canon bottom and rocky on side hill; 2nd and 4th rate.
- Timber, cedar and pinon pine and cottonwood.
- Undergrowth, sage brush, greasewoods, and willows.
- Good grass for grazing.
- Mountainous land, or land covered with dense undergrowth, 80.00 chs.
- October 27, 1903: At this cor. I set off $12^{\circ}34'S.$, on the decl. arc; and at 6 h 1 m p.m., l.m.t., I observe the sun on the meridian, the resulting lat. is $40^{\circ}10'N.$
-
- N. $89^{\circ}48'E.$, on a random line bet. secs. 5 and 8.
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 80.20 Intersect N. and S. line, 14 lks. N. of the cor. of secs. 4, 5, 8, and 9.
- Thence I run
- S. $89^{\circ}54'W.$, on a true line bet. secs. 5 and 8.
- Over level canon bottom; through dense undergrowth, and scattering cottonwood timber.
- 17.80 Right bank of Strawberry River, gravelly bottom, moderate current, 3 ft. deep, course NE.
- An old road crosses the river at this point, bears NW and SE.
- 20.60 Left bank of river.
- 22.40 Old road, bears N. $10^{\circ}E.$ and S. $10^{\circ}W.$
- 40.10 Set a sandstone, 18x14x4 ins., 12 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; from which
- A cottonwood, 15 ins. diam., bears N. $15^{\circ}E.$, 400 lks. dist., marked $\frac{1}{4}$ S 5 B T.
- A cottonwood, 8 ins. diam., bears S. $17^{\circ}E.$, 230 lks. dist., marked $\frac{1}{4}$ S 8 B T.
- 80.20 The cor. of secs. 5, 6, 7, and 8.

Subdivision of T.4 S., R.6 W. -Continued.

Chains Land, level.
 Soil, sandy loam; 2nd rate.
 Timber, cottonwood.
 Undergrowth, sage brush, greasewoods, rabbit brush,
 willows, and bull berry brush.
 Good grass for grazing.
 Land, covered with dense undergrowth, 80.20 chs.

S. 89° 52' W., on a random line bet. secs. 6 and 7.

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

79.10 Intersect W. bdy. of Tp., 5 lks. S., of the cor. of secs.
 1, 6, 7, and 12, heretofore described.
 Thence 1 run
 N. 89° 54' E., on a true line bet. secs. 6 and 7.
 Over mountainous land; through scattering timber.
 Descend .

21.50 Bottom of hollow, 250 ft. below sec. cor., course S.
 Ascend .

23.25 Top of spur, 100 ft. above hollow, bears N. and S. 20° E.
 Descend .

39.10 Set a quartzite stone, 16x12x4 ins., 11 ins. in the
 ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; from which
 A pinon pine, 12 ins. diam., bears N. 7° W., 85
 lks. dist., marked $\frac{1}{4}$ S 6 B T.
 A pinon pine, 12 ins. diam., bears S. 5° W., 92
 lks. dist., marked $\frac{1}{4}$ S 7 B T.

42.50 Bottom of hollow, 200 ft. below spur, course S. 10° E.
 Ascend .

50.00 Top of spur, 100 ft. above hollow, bears N. and S. 20° E.
 Leave timber, bears N. and S. 20° E.
 Descend .

75.00 Foot of descent, 150 ft. below spur, bears NE and SW.
 Enter dense sage brush and greasewoods, bears NE
 and SW.

Subdivision of T.4 S. R.6 W. -Continued.

Chains Enter bottom of Strawberry River Canon.

79.10 The cor. of secs. 5, 6, 7, and 8. :
 Land, mountainous and level. :
 Soil, gravelly and sandy loam and rocky; 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, 79.10 chs.

N. $0^{\circ}4'$ W., on a random line bet. secs. 5 and 6.

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

80.18 Intersect N. bdy. of Tp., 19 lks. W. of the cor. of secs.
 5, 6, 31, and 32, heretofore described.
 Thence I run
 S. $0^{\circ}4'$ W., on a true line bet. secs. 5 and 6.
 Over mountainous land; through scattering timber.
 Ascend.

26.00 Top of divide ridge between Strawberry River and
 canon on north, 200 ft. above sec. cor., bears E. and
 W.
 Descend.

39.00 Bottom of hollow, 200 ft. below ridge, course SW.
 Ascend.

40.18 Set a sandstone, 20x6x5 ins., 15 ins. in the ground,
 for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face; from which
 A pinon pine, 12 ins. diam., bears S. 50° E.,
 65 lks. dist., marked $\frac{1}{4}$ S 5 B T.
 A pinon pine, 8 ins. diam., bears N. 70° W.,
 120 lks. dist., marked $\frac{1}{4}$ S 6 B T.

45.65 Top of spur, 200 ft. above hollow, bears E. and W.
 Descend.

Subdivision of T.4 S., R.6 W., -Continued.

Chains

- 71.00 Foot of descent, 600 ft. below spur, bears NW and SE.
Leave timber enter dense undergrowth, bears NW and SE.
Enter bottom of Strawberry River Canon.
- 80.18 The cor. of secs. 5, 6, 7, and 8:
Land, mountainous and level.
Soil, sandy loam in canon bottom and rocky on mountain;
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, 80.18 chs.

October 27, 1903.

 GENERAL DESCRIPTION.

This township is all mountainous and rough, and the soil ranges from sandy loam to rocky ground. The soil of the bottoms of the canons and hollows is generally sandy loam; 2nd rate, the remainder of the township is gravelly and rocky; 3rd and 4th rate. The township is watered by Strawberry River, which has a rapid current, an average depth of 1½ ft. and an average width of 90 fms., and a lake in secs. 17 and 18, which is about 30.00 chs. long by 5.00 chs. in width and containing about 15 acres. The lake has no outlet and is supplied by springs. Heavy cedar and pinon pine timber is found nearly all over the township; scattering cottonwood timber is found along the Strawberry River. There is a very dense growth of willows, sage brush,

Subdivision of T.4 S., R.6 W. -Continued

Chains

greasewoods, bull berry brush and rose bushes, along the Strawberry River Canon.

There are no settlers in the township.

There is some elaterite float in Skitzzy and Lake canons but not sufficient to classify it as mineral lands.

There is an abundant growth of rich and nutritious grasses almost on the entire township.

The township is well adapted for winter and early spring grazing.

Alfred L. Booth
U.S. Deputy Surveyor.

October 27, 1903.

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

ing the respective capacities in which they acted:
r final affidavits see book Z¹³ Tp. 2 S R. 7 W _____, *Chainman.*
_____, *Chainman.*
_____, *Moundman.*
_____, *Moundman.*
_____, *Arman.*
_____, *Arman.*
_____, *Flagman.*

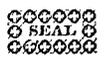
FINAL OATH OF ASSISTANTS.

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

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

final affidavits see book Z¹³ Tp. 2 S R. 7 W _____, *Chainman.*
_____, *Chainman.*
_____, *Moundman.*
_____, *Moundman.*
_____, *Arman.*
_____, *Arman.*
_____, *Flagman.*

scribed and sworn to before me this _____ }
lay of _____, 189 _____ }



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BOOK A-318

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FIELD NOTES

OF THE SURVEY OF THE

WEST AND NORTH BOUNDARIES

of

Township No. 3 South, Range No. 6 West,

Volume

#

R0318

Of the UTAH SPECIAL BASE AND Meridian,

UTAH

AS SURVEYED BY

Andrew J. Stewart Jr. and Alfred L. Booth, United States Deputy Surveyors.

their Contract No. 270, dated July 22, 1903, \$80

Survey commenced October 25, 1903, \$80

Survey completed October 29, 1903, \$80

Handwritten notes:
No. 270 - 5-27-03 ✓
No. 270 - 5-27-03 ✓

NAMES AND DUTIES OF ASSISTANTS.

..... Joseph E. Pickens	Chairman
..... Jacob A. Acord	Chairman
..... Arthur C. Thompson	Foundman
..... Paul Ashworth	Foundman
..... Thomas E. Taylor Jr.	Axman
..... John H. Kienke	Axman
..... Quinby Stewart	Flagman

For preliminary affidavits see book *29* Tp. 15 R. 5-9

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Volume
#
R0318

BOOK A-313

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Meanders Page.....

PRELIMINARY OATHS OF ASSISTANTS.

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

_____, Chainman
_____, Chainman

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



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 _____ }



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 _____ }



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 _____ }



Survey commenced October 25, 1903, and executed with a W. and L. E. Gurley light mountain transit, with solar attachment. The horizontal limb is provided with two double verniers, placed opposite to each other, reading to single minutes of arc; which is also the least count of the latitude and declination arcs.

The instrument was examined, tested on the true meridian at ^{Salt} Lake City, Utah, found correct, and was approved by the surveyor general for Utah, on August 10, 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 Tps. 3 and 4 S., Rs. 6 and 7 W., latitude $40^{\circ} 10' 41'' N.$, longitude $110^{\circ} 38' 54'' W.$, I set off $40^{\circ} 11' N.$, on the lat. arc; $11^{\circ} 55' S.$, on the decl. arc; and ^{at 4 h p.m.} 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.

At 5 h 13 m p.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.

October 25, 1903.

October 26, 1903. At 7 h 30 m a.m., l.m.t., I lay off the azimuth of Polaris $1^{\circ} 34.8'$ 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 0.4 ins. east of the meridian

West boundary of T. 3 S., R. 6 W. -Continued

Chains determined with the solar.

At 8 h. 3 m. a. m., l. m. t., I set off $40^{\circ}11'N.$, on the lat. arc; $12^{\circ}08'S.$, 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 meridian established by Polaris observation.

The solar apparatus by p. m., and a. m. observations defines positions for meridians, respectively about $0'21''$ west and $0'16''$ east of the meridian established by Polaris observation; therefore I conclude that the adjustments of the instrument are satisfactory.

The magnetic bearing of the meridian at 8 h. 30 m. a. m. is $N. 16^{\circ}33'W.$, the angle thus determined, gives the mag. decl. $16^{\circ}33'E.$

From the cor. of Tps. 3 and 4 S., Rs. 6 and 7., W., heretofore described

I run

North, bet. secs. 31 and 36.

Over mountainous land; through heavy timber.

Ascend .

14.00 Top of divide between Strawberry River Canon and canon on north, 150 ft. above Tp. cor., bears E. and W.

Descend .

26.50 Bottom of hollow, 150 ft. below ridge, course $S. 70^{\circ}E.$

Ascend .

33.00 Top of ridge, 100 ft. above hollow, bears E. and W.

Descend .

40.00 Set a sandstone, $15 \times 8 \times 4$ ins., 10 ins. in the ground,

for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face; from which

A pinon-pine, 8 ins. diam., bears $S. 80^{\circ}E.$, 37

lks. dist., marked $\frac{1}{4}$ S 31 B T.

West boundary of T. 3 S., R. 6 W. -Continued.

Chains	A pinon pine, 12 ins. diam., bears W., 57 lks. dist., marked $\frac{1}{2}$ S 36 B T.
50.00	Leave timber, bears N. 60° E. and S. 80° W. Enter dense undergrowth, bears N. 80° E. and S. 80° W.
57.60	Wash, 15 lks. wide, 2 ft. deep in bottom of hollow, 150 ft. below ridge, course N. 65° E. Ascend .
62.50	Heber-Vernal road, bears E. and W.
67.00	Enter heavy timber, bears E. and W., and leave under- growth, bears E. and W.
72.00	Top of ridge, 100 ft. above hollow, bears E. and W. Descend gradually.
80.00	Set a sandstone, 18x6x6 ins., 12 ins. in the ground, for cor. of secs. 25, 30, 31, and 36, marked with 5 notches on N. and 1 notch on S. edges; from which A cedar, 6 ins. diam., bears N. 40° E., 69 lks. dist., marked T 3 S R 6 W S 30 B T. A pinon pine, 20 ins. diam., bears S. 56° E., 40 lks. dist., marked T 3 S R 6 W S 31 B T. A cedar, 24 ins. diam., bears S. 57° W., 51 lks. dist., marked T 3 S R 7 W., S 36 B T. I. A pinon pine, 9 ins. diam., bears N. 23° W., 113 lks. dist., marked T 3 S R 7 W S 25 B T.
	Land, mountainous. Soil, clay & loam; 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.
	North, bet. secs. 25 and 30. Over mountainous land; through heavy timber. Descend.

West boundary of T. 3 S., R. 6 W. -Continued.

Chains	
4.00	Foot of descent, 25 ft. below sec. cor., bears E. and W. Enter rolling mesa.
25.00	Leave mesa, bears E. and W. Descend.
40.00	Set a sandstone, 16x8x5 ins., 11 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face; from which A cedar, 6 ins. diam., bears S. 80° E. 46 lks. . dist., marked $\frac{1}{4}$ S 30 B T. A pinon pine, 8 ins. diam., bears S. 12° W., 33 lks. dist., marked $\frac{1}{4}$ S 25 B T. A sandstone boulder, 4x2x2 ft. above ground, bears W., 2 lks. dist., marked + B O.
49.50	Bottom of canon, 300 ft. below mesa, course E. Ascend.
61.00	Top of steep ascent, 250 ft. above canon, bears E. and W. Ascend gradually.
80.00	Set a sandstone, 18x6x6 ins.; 12 ins. in the ground, for cor. of secs. 19, 24, 25, and 30, marked with 4 notches on N. and 2 notches on S. edges; from which A pinon pine, 12 ins. diam., bears N. 19° E., 75 lks. dist., marked T 3 S R 6 W S 19 B T. A pinon pine, 14 ins. diam., bears S. 61° E., 47 lks. dist., marked T 3 S R 6 W S 30 B T. A pinon pine, 8 ins. diam., bears S. 61° 30' W., 49 lks. dist., marked T 3 S R 7 W S 25 B T. A pinon pine, 18 ins. diam., bears N. 45° W., 88 lks. dist., marked T 3 S R 7 W S 24 B T. Land, mountainous and rolling mesa. Soil, clay and sandy loam; 2nd rate. Timber, cedar and pinon pine. Good grass for grazing. Mountainous or heavily timbered land, 80.00 chs.

West boundary of T. 3 S., R. 6 W. -Continued

Chains	North, bet. secs. 19 and 24.
	Over mountainous land; through heavy timber.
	Ascend
7.75	Top of ridge, 75 ft. above sec. cor., bears N. 65° W. and S. 65° E.
	Descend
40.00	Set a sandstone, 18x10x8 ins., 12 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face; from which
	A pinon pine, 14 ins. diam., bears S. 5° E., 16 lks. dist., marked $\frac{1}{4}$ S 19 B T.
	A pinon pine, 14 ins. diam., bears S. 86° W., 56 lks. dist., marked $\frac{1}{4}$ S 24 B T.
71.00	Leave timber and enter dense undergrowth, bears E. and W.
72.50	Old Heber-Vernal road, bears E. and W.
73.00	Bottom of hollow, 300 ft. below sec. cor., course E.
	Ascend
78.00	Leave undergrowth, and enter heavy timber, bears E. and W.
80.00	Set a sandstone, 18x8x8 ins., 12 ins. in the ground, for cor. of secs. 13, 18, 19, and 24, marked with 3 notches on N. and 3 notches on S. edges; from which
	A pinon pine, 14 ins. diam., bears N. 40° E., 107 lks. dist., marked T 3, S R 6 W S 18 B T.
	A cedar, 24 ins. diam., bears S. 65° E., 185 lks. dist., marked T 3 S R 6 W S 19 B T.
	A cedar, 14 ins. diam., bears S. 75° W., 177 lks. dist., marked T 3, S R 7 W S 24 B T.
	A cedar, 8 ins. diam., bears N. 3° W., 37 lks. dist., marked T 3 S R 7 W S 13 B T.
	Land, mountainous.
	Soil, gravelly; 3rd rate.
	Timber, cedar and pinon pine.
	Undergrowth, sagebrush.
	Good grass for grazing.

West boundary of T 3 S R 6 W -Continued

- Chains Mountainous or heavily timbered land, or land covered with dense undergrowth, 80.00 chs.
- October 26, 1903: At this cor. I set off $12^{\circ}13'S$, 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 $40^{\circ}13'N$.
- North, bet. secs. 13 and 18.
- Over mountainous land; through heavy timber,
Ascend .
- .50 Enter series of sandstone ledges, bears E. and W.
- 8.40 Top of ridge, 200 ft. above sec. cor., bears E. and W.
Descend gradually.
- 31.00 Bottom of hollow, 100 ft. below ridge, course E. Leave ledge.
Ascend .
- 40.00 Set a sandstone, 18x8x5 ins., 12 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face; from which
- A pinon pine, 8 ins. diam., bears $N.65^{\circ}E.$, 37 lks. dist., marked $\frac{1}{4}$ S. 18 B T..
- A pinon pine, 8 ins. diam., bears $S.36^{\circ}W.$, 65 lks. dist., marked $\frac{1}{4}$ S 13 B T.
- 42.00 Top of ridge, 100 ft. above hollow, bears E. and W.
Descend..
- 73.75 Bottom of hollow, 150 ft. below ridge, course E.
Ascend .
- 80.00 Set a sandstone, 15x8x7 ins., 10 ins. in the ground, for cor. of secs. 7, 12, 13, and 18, marked with 2 notches on N. and 4 notches on S. edges; from which
- A pinon pine, 10 ins. diam., bears $N.76^{\circ}E.$, 73 lks. dist., marked T 3 S R 6 W S 7 B T.
- A cedar, 8 ins. diam., bears $S.15^{\circ}30'E.$, 71 lks. dist., marked T 3 S R 6 W S 18 B T.

West boundary of T. 3 S., R. 6 W. -Continued.

Chains	A cedar, 18 ins. diam., bears S. 29° W., 105
	lks. dist., marked T 3 S R 7 W S 13 B T.
	A pinon pine, 10 ins. diam., bears N. 45° W., 112
	lks. dist., marked T 3 S R 7 W S 12 B T.
	Land, mountainous
	Soil, sandy loam and rocky; 2nd and 4th rate.
	Timber cedar and pinon pine.
No	Undergrowth,
	Good grass for grazing.
	Mountainous or heavily timbered land, 80.00 chs.
<hr/>	
	North, bet. secs. 7 and 12.
	Over mountainous land; through heavy timber.
	Ascend abruptly.
8.50	Top of ridge, 150 ft. above sec. cor., bears E. and W.
	Descend.
15.00	Leave timber and enter dense undergrowth, bears E.
	and W.
39.00	Enter scattering timber, bears NW and SE.
40.00	Set a quartzite stone, 16x8x6 ins., 11 ins. in the
	ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face; from which
	A pinon pine, 6 ins. diam., bears N. 35° E., 96
	lks. dist., marked $\frac{1}{4}$ S 7 B T.
	A cedar, 5 ins. diam., bears N. 60° W., 44 lks.
	dist., marked $\frac{1}{4}$ S 12 B T.
46.00	Bottom of canon, 200 ft. below ridge, course S. 50° E.
	Ascend over ledges.
50.00	Leave undergrowth and enter heavy timber, bears NW
	and SE.
80.00	Set a sandstone, 20x10x10 ins., 15 ins. in the ground,
	for cor. of secs. 1, 6, 7, and 12, marked with 1 notch
	on N. and 5 notches on S. edges; from which
	A pinon pine, 18 ins. diam., bears N. 43° E., 70

West boundary of T 3 S R 6 W -Continued

Chains

1. 1ks. dist., marked T 3 S R 6 W S 6 B T.
 A pinon pine, 14 ins. diam., bears S. 70° E., 45
2. 1ks. dist., marked T 3 S R 6 W S 7 B T.
 A pinon pine, 6 ins. diam., bears S. 30° W.
 135 lks. dist., marked T 3 S R 7 W S 12 B T.
 A cedar, 6 ins. diam., bears N. 85° W., 93 lks.
 dist., marked T 3 S R 7 W S 1 B T.
- Land, mountainous .
 Soil, sandy and rocky; 3rd 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, 80.00 chs.
-
- North, bet. secs. 1 and 6.
 Over mountainous land; through heavy timber .
 Ascend abruptly over ledges.
- 40.00 Set a sandstone, 24x10x6 ins., 18 in the ground,
 for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face; from which
 A pinon pine, 10 ins. diam., bears N. 85° E., 26
 lks. dist., marked $\frac{1}{4}$ S 6 B T.
 A pinon pine, 10 ins. diam., bears N. 35° W.,
 144 lks. dist., marked $\frac{1}{4}$ S 1 B T.
- 42.00 Top of ridge, 600 ft. above sec. cor., bears E. and W.
 Descend .
- 74.50 Bottom of hollow, 100 ft. below ridge, course S. 70° E.
 Ascend .
- 80.00 Set a sandstone, 18x10x8 ins., 12 ins. in the ground,
 for cor. of Tps. 2 and 3 S., Rs. 6 and 7 W., marked
 2 S on NE; 6 W on SE; 3 S on SW; and 7 W on NW face;
 with 6 notches on each edge; from which
0. A pinon-pine, 16 ins. diam., bears N. 55° E.,

West boundary of T. 3 S., R. 6 W. -Concluded.

Chains

57 lks. dist., marked T 2 S R 6 W S 31 B T.

A pinon pine, 8 ins. diam., bears S. 56° 30' E.,

23 lks. dist., marked T 3 S R 6 W S 6 B T.

A pinon pine, 20 ins. diam., bears S. 20° W.,

200 lks. dist., marked T 3 S R 7 W S 1 B T.

A pinon pine, 20 ins. diam., bears N. 83° W., 135

lks. dist., marked T 2 S R 7 W S 36 B T.

Land, mountainous .

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

Timber, cedar and pinon pine.

Good grass for grazing.

Mountainous, or heavily timbered land, 80.00 chs.

October 26, 1903.

NORTH BOUNDARY OF T. 3 S., R. 6 W.

October 27, 1903: At 8 h. 3 m a.m., l.m.t., I set Off 40° 16' N., on the lat. arc; 12° 29' E., on the decl. arc; and determine a meridian, with the solar, at the cor. of Tps. 2 and 3 S., Rs. 5 and 6. W., heretofore described.

Thence, I run

West, on a random line along the north bdy. of Tp., setting temp. sec. cors. and sec. cors. at intervals of 40.00 chs., and at 477.86 chs. intersect W. bdy. of Tp., 42 lks. N. of the cor. of Tps. 2 and 3 S., Rs. 6 and 7 W.; the falling answers to a correction of 3' or 7 lks. N. per mile counting from the cor. of Tps. 2 and 3 S., Rs. 6 and 7. W.

North boundary of T. 3 S., R. 6 W. - Continued

Chains October 27, 1903: At this cor. I set off $12^{\circ} 34' S.$, on the decl. arc; and at 0 h. 3 m. ^{pm} 1. m. t., I observe the sun on the meridian, the resulting lat. is $40^{\circ} 16' N.$, which is the proper lat. nearly.

Thence I run

N. $89^{\circ} 57' E.$, on a true line bet. secs. 6 and 31.

Over mountainous land; through heavy timber.

Ascend ridge over ledges

27.50 Top of ridge, 150 ft. above sec. cor., bears N. and S. Descend.

37.86 Set a sandstone, 18x10x10 ins., 12 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; from which

A pinon pine, 14 ins. diam., bears N. $54^{\circ} W.$, 28 lks. dist., marked $\frac{1}{4}$ S 31 B T.

A pinon pine, 13 ins. diam., bears S. $45^{\circ} E.$, 49 lks. dist., marked $\frac{1}{4}$ S 6 B T.

55.50 Bottom of hollow, 100 ft. below ridge, course S. $10^{\circ} W.$ Ascend.

77.86 Set a sandstone, 18x10x10 ins., 12 ins. in the ground, for cor. of secs. 5, 6, 31, and 32, marked with 5 notches on E. and 1 notch on W. edges; from which

A cedar, 24 ins. diam. bears N. $45^{\circ} 30' E.$, 76 lks. dist., marked T 2 S R 6 W S 32 B T.

A pinon pine, 20 ins. diam., bears S. $51^{\circ} E.$, 72 lks. dist., marked T 3 S R 6 W S 5 B T.

A pinon pine, 20 ins. diam., bears S. $30^{\circ} W.$, 82 lks. dist., marked T 3 S R 6 W S 6 B T.

A pinon pine, 13 ins. diam. bears N. $20^{\circ} W.$, 115 lks. dist., marked T 2 S R 6 W S 31 B T.

Land, mountainous.

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

Timber, cedar and pinon pine.

North boundary of T.3 S., R.6 W. -Continued.

Chains Good grass for grazing.
Mountainous or heavily timbered land, 77.86 chs.

N. 89° 57' E., on a true line bet. secs. 5 and 32.
Over mountainous land; through heavy timber.
Ascend abruptly over sandstone ledges.

27.00 Top of ascent, 800 ft. above sec. cor., bears NW and SE. Leave ledges, bears NW and SE.
Thence over mesa.

40.00 Set a sandstone, 18x8x8 ins., 12 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; from which

A pinon pine, 24 ins. diam., bears N 21° E., 48 lks. dist., marked $\frac{1}{4}$ S 32 B T.
A pinon pine, 24 ins. diam., bears S. 8° W., 37 lks. dist., marked $\frac{1}{4}$ S 5 B T.

49.50 Leave mesa, bears N. and S.
Descend over sandstone ledges.

80.00 Set a sandstone, 18x14x12 ins., 12 ins. in the ground, for cor. of secs. 4, 5, 32, and 33, marked with 4 notches on E. and 2 notches on W. edges; from which

A pinon pine, 6 ins. diam., bears N. 67° E., 67 lks. dist., marked T 2 S R 6 W S 33 B T.
A pinon pine, 20 ins. diam., bears S. 45° E., 50 lks. dist., marked T 3 S R 6 W S 4 B T.
A pinon pine, 8 ins. diam., bears S. 47° W., 108 lks. dist., marked T 3 S R 6 W S 5 B T.
A pinon pine, 7 ins. diam., bears N. 85° W., 32 lks. dist., marked T 2 S R 6 W S 32 B T.

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.

North boundary of T. 3 S., R. 6 W. - Continued

Chains

N. 89° 57' E., on a true line bet. secs. 4 and 33.

Over mountainous land; through heavy timber.

Descend over ledges.

40.00 Set a sandstone, 15x10x5 ins., 10 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 N. 45° E.,

. 150 lks. dist., marked $\frac{1}{4}$ S 33 B T.

A pinon pine, 8 ins. diam., bears S. 10° E., 125

lks. dist., marked $\frac{1}{4}$ S 4 B T.

42.00 Bottom of hollow, 500 ft. below sec. cor., course S.

Ascend over ledges.

80.00 Set a sandstone, 18x10x6 ins., 12 ins. in the ground,
for cor. of secs. 3, 4, 33, and 34, marked with 3 notches
on E. and 3 notches on W. edges; from which

A pinon pine, 8 ins. diam., bears N. 48° E., 107

lks. dist., marked T 2 S R 6 W S 34 B T.

A pinon pine, 10 ins. diam., bears S. 26° 30' E.,

93 lks. dist., marked T 3 S R 6 W S 3 B T.

A pinon pine, 12 ins. diam., bears S. 66° W.,

130 lks. dist., marked T 3 S R 6 W S 4 B T.

A cedar, 8 ins. diam., bears N. 44° W., 135 lks.

dist., marked T 2 S R 6 W S 33 B T.

Land, mountainous, very rough.

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

Timber, cedar and pinon pine.

Good grass for grazing.

Mountainous or heavily timbered land, 80.00 chs.

October 27, 1903.

October 28, 1903: At 8 h 2 m a.m., l.m.t., I set Off
40° 16' N., on the lat. arc; 12° 49' S., on the decl. arc;

North boundary of T 3 S R 6 W -Continued

- Chains and determine a meridian, with the solar, at the cor. of secs. 3, 4, 33, and 34.
- Thence - 1 run
 N. 89° 57' E., on a true line bet. secs. 3 and 34.
 Over mountainous land; through heavy timber.
 Ascend over ledges.
- 10.00 Top of ridge, 200 ft. above sec. cor.; bears N. and S.
 Descend .
- 30.00 Bottom of hollow, 400 ft. below ridge, course S.
 Ascend . . .
- 36.00 Top of spur, 100 ft. above hollow, bears N. and S.
 Descend .
- 38.60 Bottom of hollow, 50 ft. below ridge; course S. 10° E.
 Ascend .
- 40.00 Set a sandstone, 18x10x6 ins., 12 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; from which
 A pinon pine, 9 ins. diam., bears N. 23° E., 37 lks. dist., marked $\frac{1}{4}$ S 34 B T.
 A cedar, 10 ins. diam., bears S. 13° E., 35 lks. dist., marked $\frac{1}{4}$ S 3 B T.
- 77.50 Top of ridge, 600 ft. above hollow, bears N. and S.
 Descend.
- 80.00 Set a sandstone, 18x10x10 ins., 12 ins. in the ground, for cor. of secs. 2, 3, 34, and 35, marked with 2 notches on E. and 4 notches on W. edges; from which
 A pinon pine, 6 ins. diam., bears N. 55° E., 24 lks. dist., marked T 2 S R 6 W S 35 B T.
 A pinon pine, 10 ins. diam., bears S. 49° E., 69 lks. dist. marked T 3 S R 6 W S 2 B T.
 A pinon pine, 11 ins. diam., bears S. 41° W., 60 lks. dist., marked T 3 S R 6 W S 3 B T.
 A pinon pine, 12 ins. diam., bears N. 56° W., 129 lks. dist., marked T 2 S R 6 W S 34 B T.
- Land, mountainous . .
 Soil, gravelly; and rocky; 3rd and 4th rate.

North boundary of T. 3 S., R. 6 W. -Continued.

Chains	Timber, cedar and pinon pine. Good grass for grazing. Mountainous or heavily timbered land, 80.00 chs.
	<hr/> <p>N. 89° 57' E., on a true line bet. secs. 2 and 35. Over mountainous land; through heavy timber. Descend over ledges.</p>
2.50	Bottom of hollow, 40 ft. below sec. cor. course S. Ascend over ledges.
39.90	Top of ledge, 50 ft. high and edge of mesa, 700 ft. above hollow, bears N. and S. Leave ledges, bears N. and S. Thence over mesa.
40.00	Set a sandstone, 18x8x6 ins., 12 ins. in the ground, for $\frac{1}{2}$ sec. cor., marked $\frac{1}{2}$ on N. face; from which A pinon pine, 7 ins. diam., bears N. 17° W., 80 lks. dist., marked $\frac{1}{2}$ S 35 B T. A pinon pine, 8 ins. diam., bears S. 43° E., 60 lks. dist., marked $\frac{1}{2}$ S 2 B T.
56.00	Leave mesa, bears N. and S. Descend gradually over low ledges.
80.00	Set a sandstone, 18x9x5 ins., 12 ins. in the ground, for cor. of secs. 1, 2, 35, and 36, marked with 1 notch on E. and 5 notches on W. edges; from which A pinon pine, 10 ins. diam., bears N. 49° E., 99 lks. dist., marked T 2 S R 6 W S 36 B T. A pinon pine, 9 ins. diam., bears S. 52° 30' E., 163 lks. dist., marked T 3 S R 6 W S 1 B T. A pinon pine, 8 ins. diam., bears S. 44° 30' W., 72 lks. dist., marked T 3 S R 6 W S 2 B T. A pinon pine, 8 ins. diam., bears N. 27° 30' W., 95 lks. dist., marked T 2 S R 6 W S 35 B T.
	Land, mountainous and level. Soil, rocky; 4th rate.

North boundary of T.3 S R.6 W.: -Concluded.

Chains

Timber, cedar and pinon pine.

Mountainous or heavily timbered land, 80.00 chs.

N. 89° 57' E., on a true line bet. secs. 1 and 36.

Over mountainous land; through heavy timber.

Descend .

17.25 Head of canon, 425 ft. below sec. cor., course N. 20° E.

Ascend .

40.00 Set a sandstone, 16x8x8 ins., 11 ins. in the ground, for 1/4 sec. cor., marked 1/4 on N. face ; from which

A cedar, 24 ins. diam., bears N. 2° E., 10 lks. dist., marked 1/4 S 36 B T.

A pinon pine, 9 ins. diam., bears S. 65° W., 52 lks. dist., marked 1/4 S 1 B T.

60.00 Top of ridge, 250 ft. above canon, bears N. 20° E. and S. 20° W.

Descend .

80.00 The cor. of Tps. 2 and 3 S., Rs. 5 and 6 W.,

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.

October 28, 1903: At this cor. I set off 12° 54' S., 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° 16' N., which is the proper lat. nearly.

October 28, 1903.

Boundaries of T. 3 S., R. 6 W.

Latitudes, Departures, and Closing Errors.

Line designated	True Bearing	Distance Chs.	Latitude		Departure	
			N. Chs.	S. Chs.	E. Chs.	Ch
W. bdy. T. 3 S., R. 6 W.	North	480.00	480.00			
N. bdy. T. 3 S., R. 6 W.	N. 89° 57' E	477.86	.42		477.86	
E. bdy. T. 3 S., R. 6 W.	South	480.00		480.00		
S. bdy. T. 3 S., R. 6 W.	West	478.92				478
Convergency						.61
Totals			480.42	480.00	478.47	478
Error in lat.			480.00			178
Error in dep.			.42			

GENERAL DESCRIPTION.

This township is very rough and mountainous in the northern part, nearly level in the central part, and rolling and broken in the southern part.

The township is well timbered, but is without water.

It is well adapted for winter and spring grazing. It should be subdivided.

Andrew Stewart Jr.

U. S. Deputy Surveyor.

October 28, 1903.

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

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

showing the respective capacities in which they acted:

For final affidavits see book Z¹⁰ Tp. 3 S. R. 7 W, Chainman.
Chainman.
Moundman.
Moundman.
Axman.
Axman.
Flagman.

FINAL OATH OF ASSISTANTS.

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

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

For final affidavits see book Z¹⁰ Tp. 3 S. R. 7 W, Chainman.
Chainman.
Moundman.
Moundman.
Axman.
Axman.
Flagman.

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



FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

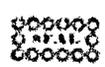
I, _____ United States Deputy Surveyor, solemnly swear that, in pursuance of a contract received from _____ United States Surveyor General for _____ bearing date _____ day of _____, 189____, I have well, faithfully, and truly, in my proper person, and in strict conformity with the instructions furnished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

For final affidavits see book 2^o Tp. 35. R. 7th

_____ 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 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 incur 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____



APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, August 22, 189____

The foregoing field notes of the survey of _____ the West and North Edys. Tp. No. 3 Range No. 6 West of the Uintah Special Base and Meridian, Utah,

examined by _____ Andrew J. Stewart Jr. and Alfred L. Booth, _____ under contract No. 370, dated _____ July 22, 1903, _____, having critically examined, and the necessary corrections and explanations made, the said field notes, and surveys they describe, are hereby approved.

Edward R. 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.

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APR 6 1904

BOOK A-318

Z.

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FIELD NOTES

OF THE SURVEY OF THE

SUBDIVISION.

of

Township No. 3 South, Range No. 6 East,

of the UTAH GENERAL BASE LINE Meridian.

UTAH

AS SURVEYED BY

Andrew J. Stewart Jr. and Edward H. Poeth, United States Deputy Surveyors.

Under his Contract No. 270, dated July 22, 1903. XXX

Survey commenced... October 28, 1903. XXX

Survey completed... November 8, 1903. XXX

[Handwritten signature]

:

NAMES AND DUTIES OF ASSISTANTS.

Joseph E. Pickens	Chainman
Jacob A. Acord	Chainman
Artur C. Thompson	Moundman
Paul Ashworth	Moundman
Thomas E. Taylor Jr.	Axman
John H. Kienke	Axman
Quinby Stewart	Flagman

For preliminary affidavits see book *D. Tp. 4 S. R. 4. 07*

BOOK A-318

INDEX DIAGRAM.

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Meanders Page.....

BOOK 1000
PRELIMINARY OATHS OF ASSISTANTS.

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

....., Chainman
....., Chainman

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



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

....., Moundman
....., Moundman

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



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

....., Axman
....., Axman

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



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
survey of

....., Flagman

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



Subdivision of T.3 S., R.6 W.

Chains Survey commenced October 28, 1903, and executed with a W. and L. E. Gurley light mountain transit, No. 1, with solar attachment. The horizontal limb is provided with two double verniers placed opposite to each other, reading to single minutes of arc; which is also the least count of the 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 10, 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 observation on Polaris; I proceed as follows:

At the cor. of secs. 1, 2, 35, and 36, on S. bdy. of T., latitude $40^{\circ} 10' 41'' N.$, longitude $110^{\circ} 33' 15'' W.$, I set off $40^{\circ} 11' N.$, on the lat. arc; $12^{\circ} 55' S.$, on the decl. arc; and at 4 h 3 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.

At 5 h 5 m p.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.

October 28, 1903.

October 29, 1903. At 7 h 30 m a.m., l.m.t., I lay off the azimuth of Polaris $1^{\circ} 34.8'$ 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 0.29 ins. east of the meridian

Subdivision of T. 3 S., R. 6 W -Continued

Chains	determined with the solar.
	At 8 h. 2 m a.m., l.m.t., I set off $40^{\circ} 11' N.$, on the lat. arc; $13^{\circ} 9' S.$, 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 0.32 ins. east of the meridian established by Polaris observation.
	The solar apparatus by p.m. and a.m. observations defines positions for meridian, respectively about $0' 15''$ west and $0' 17''$ east of the meridian established by the Polaris observation; therefore I conclude that the adjustments of the instrument are satisfactory.
	The magnetic bearing of the meridian at 8 h 30 m a.m., is $N. 16^{\circ} 40' W.$, the angle thus determined, gives the mag. decl. $16^{\circ} 40' E.$
	From the cor. of secs. 1, 2, 35, and 36, on S. bdy. of Tp., I run $N. 6^{\circ} 1' W.$, bet. secs. 35 and 36. Over mountainous land; through heavy timber. Descend .
8.25	Bottom of hollow, 50 ft. below sec. cor., course E. Ascend .
14.25	Top of spur, 50 ft. above hollow, bears E. and W. Descend .
30.00	Leave heavy and enter scattering timber, bears E. and W.
40.00	Set a limestone, $14 \times 12 \times 4$ ins., 9 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.
46.50	Bottom of hollow, 50 ft. below ridge, course $N. 60^{\circ} E.$ Ascend .

Subdivision of T. 3 S., R. 6 W. -Continued.

Chains

47.00 Heber-Vernal road, bears N. 60° E. and S. 60° W.

62.00 Top of ridge, 75 ft. above hollow, bears E. and W.
Descend .

80.00 Set a sandstone, 20x14x4 ins. 15 ins. in the ground,
for the cor. of secs. 25, 26, 35, and 36, marked with
1 notch on S., and E. edges; and from which
A pinon pine, 7 ins. diam., bears N. 76° E., 85
lks. dist., marked T 3 S R 6 W S 25 B T.
A pinon pine, 10 ins. diam., bears S. 68° E., 50
lks. dist., marked T 3 S R 6 W S 36 B T.
A pinon pine, 15 ins. diam., bears S. 62° W., 170
lks. dist., marked T 3 S R 6 W S 35 B T.
A cedar, 6 ins. diam., bears N. 66° W., 94 lks.
dist., marked T 3 S R 6 W S 26 B T.

Land, mountainous .
Soil, sandy and gravelly; 2nd and 3rd rate.
Timber, cedar and Pinon pine.
Good grass for grazing.
Mountainous or heavily timbered land, 80.00 chs.

*See Corrective
Notes Page 2 Bk. 9*

East, on a random line bet. secs. 25 and 36.

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

80.16 Intersect E. bdy. of Tp., 14 lks. S. of the cor. of secs.
25, 30, 31, and 36, heretofore described.
Thence I run
S. 89° 54' W., on a true line bet. secs. 25 and 36.
Over mountainous land; through scattering timber .
Ascend .

34.00 Top of spur, 150 ft. above sec. cor., bears N. and S.
Descend .

40.08 Set a sandstone, 18x12x4 ins., 12 ins. in the ground,
for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; from which

*See Corrective
Notes Page 3 Bk. 4*

Subdivision of T. 8 S., R. 6 W., -Continued

Chains

A pinon pine, 9 ins. diam., bears N. 20° W., 70
lks. dist., marked $\frac{1}{2}$ S 25 B T.

A pinon pine, 8 ins. diam., bears S. 65° W., 71
lks. dist., marked $\frac{1}{2}$ S 36 B T.

80.16

The cor. of secs. 25, 26, 35, and 36.

Land, mountainous.

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

Timber, cedar and pinon pine.

Good grass for grazing.

Mountainous or heavily timbered land, 80.16 chs.

N. 0° 1' W., bet. secs. 25 and 26.

Over mountainous land; through heavy timber .

Descend over ledges .

14.50 Bottom of hollow, 150 ft. below sec. cor., course N. 30° E.

Leave ledges, bears with hollow.

Ascend .

18.00 Top of spur, 40 ft. above hollow, bears N. 60° E. and S.
60° W.

Descend .

22.50 Bottom of hollow, 30 ft. below spur, course N. 80° E.

Ascend.

26.25 Top of spur, 30 ft. above hollow, bears N. 65° E. and S.
65° W.

Descend .

28.55 Bottom of hollow, 50 ft. below spur, course N. 85° E.

Ascend .

31.50 Top of spur, 75 ft. above hollow, bears N. 80° E. and S.
80° W.

Descend .

36.50 Leave timber, bears E. and W.

38.50 Foot of descent, 150 ft. below ridge, bears E. and W.

Enter dense undergrowth, bears E. and W.

See Corrected
Notes Page 3
p. 9See Corrected
Notes Page 3
p. 4

Subdivision of T. 3 S., R. 6 W. -Continued.

Chains. Enter bottom of canon .

40.00 Set a sandstone, 20x14x4 ins. 15 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.

45.00 Wash, 20 lks. wide, 3, ft. deep, course E.

52.50 Old Heber-Vernal road, bears E. and W.

54.50 Leave canon bottom, bears E. and W.
 Leave undergrowth and enter scattering timber, bears E. and W.
 Ascend .

56.00 Top of ascent, 30 ft. above canon, bears E. and W.
 Enter heavy timber, bears E. and W.
 Thence over mesa.

76.50 Leave mesa, bears N. 80° W. and S. 80° E.
 Descend.

80.00 Set a sandstone, 20x14x8 ins., 15 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 cedar, 8 ins. diam., bears N. 14° E., 255 lks. dist., marked T 3 S R 6 W S 24 B T.
 A cedar, 5 ins. diam., bears S. $16^{\circ} 30'$ E., 137 lks. dist., marked T 3 S R 6 W S 25 B T.
 A cedar, 5 ins. diam., bears S. 37° W., 134 lks. dist., marked T 3 S R 6 W S 26 B T.
 A cedar, 4 ins. diam., bears N. 88° W., 219 lks. dist., marked T 3 S R 6 W S 23 B T.

Land, mountainous and level.
 Soil, sandy loam and gravelly; 2nd and 3rd rate.
 Timber, cedar and pinon pine.
 Undergrowth, sage brush and greasewoods.
 Good grass for grazing.
 Mountainous or heavily timbered land, or land covered with dense undergrowth, 80.00 chs.
 October 29, 1903: At this cor. I set off $13^{\circ} 14'$ S., on the decl. arc; and at 11 h 58 m a.m., l.m.t., I observe the

*See Corrections
 Note Page 4
 10/29/03*

*See Corrections
 Note Page 4
 10/29/03*

Continue the run on the meridian, the resulting lat. is 40° 18' 30"

N. 89° 54' E., on a random line bet. secs. 24 and 25.

40.00 Set temp. & sec. cor.

80.30 Intersect E. bdy. of Tp., 19 lks. S. of the cor. of secs. 18, 24, 25, and 30. heretofore described.

Thence I run

S. 89° 46' E., on a true line bet. secn. 24 and 25.

Over level mesa; through heavy timber.

5.00 Edge of mesa, bears N. 20° W. and S. 20° E.

Descend over ledges.

11.00 Foot of descent, leave ledges, 150 ft. below mesa, bears N. and S.

Enter mesa.

31.90 Leave mesa, bears N. and S.

Descend over ledges.

40.15 Set a sandstone, 15x9x4 ins., 10 ins. in the ground, for & sec. cor., marked & on N. face; from which

A cedar, 12 ins. diam., bears N. 45° W., 150

lks. dist., marked & S 24 B T.

A pinon pine, 12 ins. diam., bears S. 43° W., 180

lks. dist., marked & S 25 B T.

43.00 Foot of descent, 100 ft. below mesa, bears N. 30° W. and S. 30° E. Leave ledges, bears E. 30° W. and S. 30° E.

Enter bottom of canon.

Leave timber and enter dense undergrowth, bears N. 30° W. and S. 30° E.

50.30 Wash, 100 lks. wide, 3 ft. deep, course S. 30° E.

57.00 Wash, 10 lks. wide, 3 ft. deep, course SE.

73.00 Leave canon bottom, bears N. 50° W. and S. 50° E.

Leave undergrowth and enter heavy timber, bears N. 50° W. and S. 50° E.

to section 24

to section 25

Subdivision of T.3.S.,R.6.W.-Continued.

Chains Ascend .

80.30 The cor.of secs.23,24,25,and 26,
Land,mountainous.and level.
Soil,sandy and clay loam and gravelly;2nd and 3rd
rate.
Timber,cedar and pinon pine..
Undergrowth,sage brush and greasewoods.
Good grass for grazing.
Mountainous or heavily timberedland,or land covered
with dense undergrowth,80.30 chs.

*See Corrective
Notes Page 5
Bk 7.*

N.6°1'W.,bet.secs.23 and 24.

Over mountainous land;through heavy timber and
dense sage brush.

Descend .

2.00 bottom of hollow,30 ft.below sec.cor.,course E.
Ascend over ledges.

5.00 Top of spur,30 ft.above hollow,bears E.and W.
Descend .

9.00 Bottom of hollow,30 ft.below spur,course E.
Ascend .

12.00 Top of spur,40 ft.above hollow,bears N.80°E.and S.
60°W.
Descend .

15.00 Foot of descent,50 ft.below spur,bears E.and W.
Leave timber,bears E.and W.
Enter bottom of canon .

31.50 Wash,200 lks.wide,4 ft.deep,course E..

36.50 Wash,150 lks.wide,4 ft.deep.,course E.

40.00 Set a sandstone,16x10x6 ins.,11 ins.in the ground,
for $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on W.face;from which

A lone pinon pine,10 ins.diam.,bears N.30°
E.,650 lks.dist.,marked $\frac{1}{4}$ S 24 B T.

*See Corrective
Notes Page 5
Bk 7*

Subdivision of T.3 S., R.6 W.-Continued.

Chains and raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

49.00 Leave canon bottom, bears NW and SE.

Leave undergrowth and enter heavy timber, bears NW and SE.

Ascend over ledges..

80.00 Set a sandstone, 16x10x6 ins., 11 ins. in the ground, for cor. of secs. 13, 14, 23, and 24, marked with 3 notches on S. and 1 notch on E. edges; from which

A pinon pine, 12 ins. diam., bears N. 21° E., 69 lks. dist., marked T 3 S R 6 W S 13 B T.

A cedar, 14 ins. diam., bears S. $18^{\circ} 30'$ E., 134 lks. dist., marked T 3 S R 6 W S 24 B T.

A pinon pine, 4 ins. diam., bears S. $71^{\circ} 30'$ W., 18 lks. dist., marked T 3 S R 6 W S 23 B T.

A pinon pine, 8 ins. diam., bears N. 52° W., 65 lks. dist., marked T 3 S R 6 W S 14 B T.

Land, mountainous and level.

Soil, sandy 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, 80.00 chs.

N. $89^{\circ} 46'$ E., on a random line bet. secs. 13 and 24.

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

80.40 Intersect E. bdy. of Tp., 9 lks. N. of the cor. of secs. 13, 18, 19, and 24, heretofore described.

Thence 1 run

S. $89^{\circ} 50'$ W., on a true line bet. secs. 13 and 24.

Over level mesa; through heavy timber.

3.00 Leave mesa, bears N. 10° W. and S. 10° E.

Subdivision of T. 3 S., R. 6 W. -Continued.

Chains Descend over ledges

21.75 Foot of descent, 600 ft. below mesa, bears N. and S.
 Leave ledges and enter bottom of canon.
 Leave timber and enter dense sage brush, bears N. and S.

25.75 Wash, 10 lks. wide, 2 ft. deep, course, S.

27.00 Leave canon bottom, bears N. and S.
 Leave undergrowth and enter heavy timber, bears N. and S.
 Ascend over ledges.

40.20 Set a sandstone, 18x10x5 ins., 12 ins. in the ground,
 for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; from which
 A pinon pine, 8 ins. diam., bears N. 80° E., 60
 lks. dist., marked $\frac{1}{4}$ S 13 B T.
 A cedar, 18 ins. diam., bears S. 40° E., 59
 lks. dist., marked $\frac{1}{4}$ S 24 B T.

67.50 Top of ridge, 500 ft. above canon, bears N. and S.
 Descend over ledges.

80.40 The cor. of sec. 13, 14, 23, and 24.
 Land, mountainous and level.
 Soil, sandy and clay loam and gravelly; 2nd and 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, 80.40 chs.

October 29, 1903.

October 30, 1903. At 8 h 2 m a.m., l.m.t., I set off
 40° 13' N., on the lat. arc; 13° 29' S., on the decl. arc;
 and determine a meridian, with the solar, at the cor.

Subdivision of T 3 S R 6 W -Continued.

- Chains of secs. 13, 14, 25, and 24.
- Thence I run,
- N. 0° 1' W., bet. secs. 13 and 14.
- Over mountainous land; through heavy timber.
- Ascend over ledges.
- 13.50 Top of ridge, 180 ft. above sec. cor., bears NW and SE.
- Descend gradually over a series of low ledges.
- 40.00 Set a sandstone, 18x9x4 ins., 12 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face; from which
- A cedar, 6 ins. diam., bears S. 86° E., 70 lks. dist., marked $\frac{1}{4}$ S 13 B T.
- A pinon pine, 15 ins. diam., bears N. 37° W., 73 lks. dist., marked $\frac{1}{4}$ S 14 B T.
- 80.00 Set a sandstone, 18x11x4 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 pinon pine, 12 ins. diam., bears N. 43° E., 230 lks. dist., marked T 3 S R 6 W S 12 B T.
- A pinon pine, 8 ins. diam., bears S. 60° E., 160 lks. dist., marked T 3 S R 6 W S 13 B T.
- A cedar, 10 ins. diam., bears S. 34° W., 236 lks. dist., marked T 3 S R 6 W S 14 B T.
- A cedar, 20 ins. diam., bears N. 45° W., 169 lks. dist., marked T 3 S R 6 W S 11 B T.
- Land, mountainous.
- Soil, sandy and rocky; 2nd 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. 12 and 13.
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 80.42 Intersect E. bdy. of Tp., 23 lks. N. of the cor. of secs.

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

- Chairs 7, 12, 13, and 18.
Thence I run
West, on a true line between secs. 12 and 13.
Over mountainous land; through dense undergrowth.
Ascend .
- 5.00 Enter heavy timber, bears N. 60° E. and S. 60° W.
- 30.50 Top of spur, 250 ft. above sec. cor., bears N. and S.
Descend .
- 35.75 Bottom of hollow, 150 ft. below spur, course S. 40° E.
Ascend over ledges.
- 40.21 Set a sandstone, 16x10x4 ins., 12 ins. in the ground,
for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; from which
A pinon pine, 6 ins. diam., bears N. 54° E., 113
lks. dist., marked $\frac{1}{4}$ S 12 B T.
A pinon pine, 8 ins. diam., bears S. 45° E., 60
lks. dist., marked $\frac{1}{4}$ S 13 B T.
- 80.42 The cor. of secs. 11, 12, 13, and 14.
Land, mountainous .
Soil, sandy and rocky; 2nd and 4th rate.
Timber, cedar and pinon pine.
Good grass for grazing.
Undergrowth, sagebrush.
Mountainous or heavily timbered land, or land covered
with dense undergrowth, 80.42 chs.
-
- N. 0° 1' W., bet. secs. 11 and 12.
Over mountainous land; through heavy timber.
Ascend gradually along side of ridge .
- 35.30 Top of ridge, 100 ft. above sec. cor., bears E. and W.
Descend gradually.
- 40.00 Set a sandstone, 16x8x6 ins., 11 ins. in the ground,
for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face; from which
A cedar, 15 ins. diam., bears N. 70° E., 110 lks.

Subdivision of T. 3 N. R. 6 W. -Continued

Chains dist., marked $\frac{1}{4}$ S 12 B T.
 A cedar, 4 ins. diam., bears S. 70° W., 50 lks.
 dist., marked $\frac{1}{4}$ S 11 B T.

66.50 Bottom of hollow, 100 ft. below ridge, course SE.
 Ascend over ledges.

80.00 Top of ridge, 150 ft. above hollow, bears NW. and SW.
 Set a sandstone, 16x10x6 ins., 11 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 cedar, 6 ins. diam., bears N. 75° E., 46 lks.
 dist., marked T 3 S R 6 W S 1 B T.
 A cedar, 8 ins. diam., bears S. 16° E., 92
 lks. dist., marked T 3 S R 6 W S 12 B T.
 A pinon pine, 16 ins. diam., bears S. 58° W., 55
 lks. dist., marked T 3 S R 6 W S 11 B T.
 A pinon pine, 14 ins. diam., bears N. 43° W., 43
 lks. dist., marked T 3 S R 6 W S 2 B T.

Land, mountainous.
 Soil, sandy loam and gravelly; 2nd and 3rd rate.
 Timber, cedar and pinon pine.
 Good grass for grazing.
 Mountainous or heavily timbered land, 80.00 chs.

East, on a random line bet. secs. 1 and 12.

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

80.00 Intersect E. bdy. of Tp., 16 lks. S. of the cor. of secs.
 1, 6, 7, and 12, heretofore described.
 Thence I run
 S. 80° 53' W., on a true line bet. secs. 1 and 12.
 Over mountainous land; through heavy timber.
 Ascend.

11.00 Top of ridge, 50 ft. above sec. cor., bears N. 30° W. and
 S. 30° E.
 Descend abruptly over ledges.

Subdivision of T. 3 S., R. 6 W. - Continued

- Chains
- 40.10 Set a sandstone, 14x10x6 ins., 9 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 N. 50° W., 78
lks. dist., marked $\frac{1}{4}$ S 1 B T.
A pinon pine, 6 ins. diam., bears S. 80° W., 19
lks. dist., marked $\frac{1}{4}$ S 12 B T.
- 45.60 Bottom of canon, 600 ft. below ridge, course S. 30° E.
Ascend over ledges.
- 80.20 The cor. of secs. 1, 2, 11, and 12.
Land, mountainous.
Soil, sandy loam and rocky; 2nd and 4th rate.
Timber, cedar and pinon pine.
Good grass for grazing.
Mountainous or heavily timbered land, 80.20 chs.
-
- N. 0° 1' W., on a random line bet. secs. 1 and 2.
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 80.06 Intersect N. bdy. of Tp., 5 lks. N. 89° 57' E., of the cor.
of secs. 1, 2, 35, and 36, heretofore described.
Thence I run
S. 0° 3' E., on a true line bet. secs. 1 and 2.
Over mountainous land; through heavy timber.
Ascend.
- 1.50 Top of ridge, divide between Strawberry and DuChesne
River systems, 50 ft. above sec. cor., bears N. 85° W.
and S. 85° E.
Descend abruptly over a series of ledges from 10
to 100 ft. high.
- 40.06 Set a sandstone, 20x15x4 ins., 15 ins. in the ground,
for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face; from which
A cedar, 8 ins. diam., bears S. 75° W., 23 lks.
dist., marked $\frac{1}{4}$ S 2 B T.

Subdivision of T 3 S R 6 W -Continued

Chains	A pinon pine, 5 ins. diam., bears S. 85° E., 14 lks. dist., marked $\frac{1}{4}$ S 1 B T.
50.00	Bottom of hollow, 1000 ft. below ridge, course SE. Ascend gradually. Leave ledges.
80.06	The cor. of secs. 1, 2, 11, and 12. This cor. is 100 ft. above hollow. Land, mountainous. Soil, sandy and rocky; 2nd and 4th rate. Timber, cedar and pinon pine. Good grass for grazing. Mountainous or heavily timbered land, 80.06 chs.
	October 30, 1903.

	October 31, 1903: At 8 h. 3 m a.m., l.m.t., I set off 40° 11' N., on the lat. arc; 13° 48' S., on the decl. arc; and determine a meridian, with the polar, at the cor. of secs. 2, 3, 34, and 35, on S. bdy. of 1p., heretofore described.
	Thence I run N. 0° 2' W., bet. secs. 34 and 35. Over mountainous land; through heavy timber. Descend .
17.75	Bottom of hollow, 100 ft. below sec. cor., course NE. Ascend .
18.35	Heber-Vernal road, bears NE. and SW.
25.00	Top of ridge, 30 ft. above hollow, bears N. 60° E. and S. 60° W. Descend .
40.00	Set a sandstone, 24x13x4 ins., 18 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face; from which A cedar, 4 ins. diam., bears E., 60 lks. dist., marked $\frac{1}{4}$ S 35 B T.

Subdivision of T 3 S R 6 W -Continued

Chains A cedar, 7 ins. diam., bears N. 20° W., 70 lks.
 .dist., marked $\frac{1}{4}$ S 34 B T.

68.25 Bottom of hollow, 200 ft. below ridge, course N. 20° E.
 Ascend

70.00 Wash, 20 lks. wide, 3 ft. deep, course NE. Ascend.

80.00 Set a sandstone, 24x14x6 ins., 18 ins. in the ground,
 for cor. of secs. 26, 27, 34, and 35, marked with 1 notch
 on S. and 2 notches on E. edges; from which

 A cedar, 5 ins. diam., bears N. 89° E., 80 lks.
 dist., marked T 3 S., R. 6 W. S 26 B T.

 A cedar, 5 ins. diam., bears S. 50° E., 110 lks.
 dist., marked T 3 S R 6 W S 35 B T.

 A cedar, 4 ins. diam., bears S. 68° W., 37 lks.
 dist., marked T 3 S R 6 W S 34 B T.

 A pinon pine, 20 ins. diam., bears N. 38° W.,
 75 lks. dist., marked T 3 S R 6 W S 27 B T.

Land, mountainous .
 Soil, sandy and gravelly; 2nd and 3rd rate.
 Timber, cedar and pinon pine.
 Good grass for grazing.
 Mountainous or heavily timbered land, 80.00 chs.

East, on a random line bet. secs. 26 and 35.

40.00 Set temp. $\frac{1}{2}$ sec. cor.

79.86 Intersect N. and S. line, at the cor. of secs. 25, 26, 35,
 and 36.

Thence I run
 West, on a true line bet. secs. 26 and 35.
 Over mountainous land; through heavy timber.
 Descend.

10.50 Bottom of hollow, 100 ft. below sec. cor., course N. 40° E.
 Ascend

34.00 Top of ridge, 150 ft. above hollow, bears N. and S.

*See Correct
 Notes Pages
 Bk 9*

Subdivision of T 3 S R 6 W -Continued

Chains	
39.93	<p>Set a sandstone, 24x8x6 ins., 18 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; from which</p> <p style="padding-left: 40px;">A pinon pine, 18 ins. diam., bears N. 55° W., 48 lks. dist., marked $\frac{1}{4}$ S 26 B T.</p> <p style="padding-left: 40px;">A pinon pine, 18 ins. diam., bears S. 20° W., 60 lks. dist., marked $\frac{1}{4}$ S 35 B T.</p>
67.00	<p>Bottom of hollow, 150 ft. below ridge, course NE.</p> <p>Ascend</p>
79.86	<p>The cor. of secs. 26, 27, 34, and 35.</p> <p>Land, mountainous.</p> <p>Soil, sandy and gravelly; 2nd and 3rd rate.</p> <p>Timber, cedar and pinon pine.</p> <p>Good grass for grazing.</p> <p>Mountainous or heavily timbered land, 79.86 chs.</p> <hr style="width: 20%; margin: 20px auto;"/> <p style="padding-left: 40px;">N. 0° 2' W., bet. secs. 26 and 27.</p> <p>Over mountainous land; through heavy timber.</p> <p>Ascend</p>
14.40	<p>Top of ridge, 100 ft. above sec. cor., bears N. 70° E. and S. 70° W.</p> <p>Descend</p>
37.40	<p>Bottom of canon, 250 ft. below ridge, course N. 65° E.</p> <p>Ascend</p>
40.00	<p>Set a sandstone, 20x12x6 ins., 15 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face; from which</p> <p style="padding-left: 40px;">A cedar, 6 ins. diam. bears N. 30° E., 270. lks. dist., marked $\frac{1}{4}$ S 26 B T.</p> <p style="padding-left: 40px;">A cedar, 5 ins. diam., bears N. 35° W., 275 lks. dist., marked $\frac{1}{4}$ S 27 B T.</p>
42.00	<p>Top of ridge, 100 ft. above canon, bears N. 60° E. and S. 60° W.</p> <p>Descend</p>

See Corrective Notes Page 6 36-9.

See Corrective Notes Page 6 36-9.

See Corrective Notes Page 6 36-9.

Subdivision of T. 3 S., R. 6 W. - Continued.

Bottom of hollow, 150 ft. below ridge, course E.
 Ascend
 30.00 Set a sandstone, 20x14x6 ins., 15 ins. in the ground,
 for cor. of secs. 22, 23, 26, and 27, marked with 2 notches
 on S. and 2 notches on E. edges; from which
 A cedar, 5 ins. diam., bears N46° E., 95 lks.
 dist., marked T 3 S R 6 W S 23 B T.
 A cedar, 10 ins. diam., bears S. 20° E., 35 lks.
 dist., marked T 3 S R 6 W S 26 B T.
 A cedar, 10 ins. diam., bears S. 62° W., 39 lks.
 dist., marked T 3 S R 6 W S 27 B T.
 A pinon pine, 12 ins. diam., bears N. 33° W., 148
 lks. dist., marked T 3 S R 6 W S 22 B T.
 Land, mountainous.
 Soil, sandy and gravelly; 2nd and 3rd rate.
 Timber, cedar and pinon pine.
 Good grass for grazing.
 Mountainous or heavily timbered land, 80.00 chs.
 October 31, 1903: At this cor. I set off 13° 54' S., 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° 12'
 N., which is the proper lat. nearly.
 East, on a random line bet. secs. 23 and 26.
 40.00 Set temp. & sec. cor.
 50.10 Intersect N. and S. line, at the cor. of secs. 23, 24, 25,
 and 26.
 Thence I run
 West, on a true line bet. secs. 23 and 26.
 Over mountainous land; through heavy timber.
 Ascend gradually.
 58.50 Top of ridge, 250 ft. above sec. cor., bears N. and S.

See Corrector
Note Page 6
Bk. 9

See Corrector
Note Page 7
Bk. 9

Subdivision of T. 3 S., R. 6 W. -Continued

Chains Descend gradually .

40.05 Set a sandstone, 16x10x4 ins., 11 ins. in the ground,
for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; from which
A pinon pine, 7 ins. diam., bears N. 20° E., 300
lks. dist., marked $\frac{1}{4}$ S 23 B T.
A pinon pine, 8 ins. diam., bears S. 14° E., 90
lks. dist., marked $\frac{1}{4}$ S 26 B T.

66.60 Old Heber-Vernal road, bears N. 75° W. and S. 75° E.

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

Land, mountainous .

Soil, gravelly; 3rd rate.

Timber, cedar and pinon pine.

Good grass for grazing.

Mountainous or heavily timbered land, 80.10 chs.

N. 0° 2' W., bet. secs. 22 and 23.

Over mountainous land; through heavy timber.

Ascend gradually.

5.75 Leave timber and enter dense sage brush, bears N.
60° E. and S. 60° W.

10.20 Old Heber-Vernal road, bears N. 52° W. and S. 52° E.

16.50 Leave sage brush and enter heavy timber, bears N. 50°
W. and S. 50° E.

40.00 Set a sandstone, 16x12x4 ins., 12 ins. in the ground,
for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face; from which

A pinon pine, 10 ins. diam., bears N. 70° E., 56
lks. dist., marked $\frac{1}{4}$ S 23 B T.

A pinon pine, 30 ins. diam., bears N. 75° W., 103
lks. dist., marked $\frac{1}{4}$ S 22 B T.

80.00 Set a sandstone, 20x10x6 ins., 15 ins. in the ground,
for cor. of secs. 14, 15, 22, and 23, marked with 3
notches on S. and 2 notches on E. edges; from which

A cedar, 16 ins. diam., bears N. 48° 30' E., 102
lks. dist., marked T 3 S R 6 W S 14 B T.

*See correction
Page 7
1/29*

*See correction
Page 7
1/29*

*See correction
Page 7
1/29*

Subdivision of T 3 S. R.6 W.-Continued.

Chains

A cedar, 10 ins. diam., bears S. 78° W., 115 lks. dist., marked T 3 S R 6 W S 22 B T.

A cedar, 10 ins. diam., bears N. 20° W., 92 lks. dist., marked T 3 S R 6 W S 15 B T.

No tree within limits in sec. 23 therefore I dig a pit 18x18x12 ins. in sec. 23, 5½ ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, W. of cor.

Land, mountainous .

Soil, sandy and gravelly loam; 2nd 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.

East, on a random line bet. secs. 14 and 23.

40.00 Set temp. ¼ sec. cor.

80.28 Intersect N. and S. line, 23 lks. S. of the cor. of secs. 13, 14, 23, and 24.

Thence I run

S. 89° 50' W., on a true line bet. secs. 14 and 23.

Over mountainous land ; through heavy timber and dense sage brush.

Descend abruptly over ledges.

23.00 Bottom of hollow, 350 ft. below sec. cor., course S. 20° E.

Ascend abruptly over ledges.

40.14 Set a sandstone, 18x14x7 ins., 12 ins. in the ground, for ½ sec. cor., marked ¼ on N. face; from which

- A pinon pine, 24 ins. diam., bears N. 54° 30' E., 162 lks. dist., marked ¼ S 14 B T.

A pinon pine, 6 ins. diam., bears S. 27° 30' E., 46 lks. dist., marked ¼ S 23 B T.

70.00 Top of ridge, 500 ft. above hollow, bears N. and S.

See Corrector Notes Page 8 BK 7.

See Corrector Notes Page 8 BK 7.

See Corrector Notes Page 8 BK 7.

Subdivision of T 3 S R 6 W -Continued

Chains Leave ledges.
Descend .
80.28 The cor. of secs. 14, 15, 22, and 23.
Land, mountainous .
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, 80.28 chs.

October 31, 1903.

November 1, 1903: At 8 h 2 m a.m., l.m.t., I set off
40° 13' N., on the lat. arc; 14° 8' S., 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 mountainous land; through heavy timber and dense
sage brush;

Ascend gradually.

10.00 Top of ridge, 50 ft. above sec. cor., bears E. and W.

Descend .

34.00 Bottom of hollow, 100 ft. below ridge, course E.

Ascend .

40.00 Set a sandstone, 16x12x5 ins., 11 ins. in the ground,
for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face; from which

A pinon pine, 12 ins. diam., bears N. 61° 30' E.

48 lks. dist., marked $\frac{1}{4}$ S 14 B T.

A pinon pine, 11 ins. diam., bears S. 45° 30' W

85 lks. dist., marked $\frac{1}{4}$ S 15 B T.

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

*The corrective
notes pages 8
86.7.*

Subdivision of T 3 S R 6 W -Continued

Chains	Descend .
80.00	Set a sandstone, 16x14x10 ins., 11 ins. in the ground, for cor. of secs. 10, 11, 14, and 15, marked with 4 notches on S. and 2 notches on E. edges; from which A cedar, 6 ins. diam., bears N. 53° E., 54 lks. dist., marked T 3 S., R. 6 W., S 11 B T. A pinon pine, 14 ins. diam., bears S. 67° E., 75 lks. dist., marked T 3 S R 6 W S 14 B T. A pinon pine, 10 ins. diam., bears S. 34° 30' W. 72 lks. dist., marked T 3 S R 6 W S 15 B T. A pinon pine, 16 ins. diam., bears N. 61° 30' W. 30 lks. dist., marked T 3 S R 6 W S 10 B T.
	Land, mountainous.
	Soil, sandy and gravelly; 2nd 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.

	N. 89° 50' E., on a random line bet. secs. 11 and 14.
40.00	Set temp. $\frac{1}{2}$ sec. cor.
80.14.	Intersect N. and S. line, 14 lks. N. of the cor. of secs. 11, 12, 13, and 14.
	Thence $\frac{1}{2}$ run S. 89° 56' W., on a true line bet. secs. 11 and 14.
	Over mountainous land; through scattering timber.
	Ascend .
10.00	Top of ridge, 50 ft. above sec. cor., bears N. and S. Descend abruptly over ledges.
40.07	Set a sandstone, 18x12x7 ins., 12 ins. in the ground, for $\frac{1}{2}$ sec. cor., marked $\frac{1}{2}$ on N. face; and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor.

Subdivision of T. 3 S., R. 6 W. -Continued.

Chains	
40.30	Bottom of hollow, 800 ft. below ridge, course SE. Ascend abruptly over ledges.
80.14	The cor. of secs. 10, 11, 14, and 15. Land, mountainous. Soil, gravelly and rocky; 3rd and 4th rate. Timber, cedar and pinon pine. Good grass for grazing. Mountainous land, 80.14 chs. November 1, 1903: At this cor. I set off $14^{\circ}15'S.$, on the decl. arc; and at 6 h 2 m. p. l. m. t., I observe the sun on the meridian, the resulting lat. is $40^{\circ}14'N.$
<hr/>	
N. $0^{\circ}2'W.$, bet. secs. 10 and 11.	
Over mountainous land; through heavy timber and scattering sage brush.	
Descend.	
33.20	Bottom of hollow, 400 ft. below sec. cor., course SE. Ascend over ledges.
40.00	Set a sandstone, 20x15x5 ins., 15 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face; from which A pinon pine, 6 ins. diam., bears $S. 85^{\circ}E.$, 3 lks. dist., marked $\frac{1}{4}$ S. 11 B T. A cedar, 8 ins. diam., bears $S. 75^{\circ}W.$, 5 lks. dist., marked $\frac{1}{4}$ S. 10 B T.
46.00	Top of spur, 300 ft. above hollow, bears NW and SE. Descend over ledges.
55.70	Bottom of hollow, 200 ft. below spur, course $S. 85^{\circ}E.$ Ascend.
80.00	Set a sandstone, 18x9x7 ins., 12 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

Subdivision of T 3 S R 6 W -Continued

Chains

A pinon pine, 12 ins. diam., bears N. 72° E.,
 129 lks. dist., marked T 3 S R 6 W S 2 B T.
 A pinon pine, 16 ins. diam., bears S. 46° E., 60
 lks. dist., marked T 3 S R 6 W S 11 B T.
 A pinon pine, 14 ins. diam., bears S. 76° 30' W.
 24 lks. dist., marked T 3 S R 6 W S 10 B T.
 A pinon pine, 12 ins. diam., bears N. 34° 30' W.,
 135 lks. dist., marked T 3 S R 6 W S 3 B T.

Land, mountainous .

Soil, sandy and gravelly; 2nd rate.

Timber, cedar and pinon pine.

Undergrowth, sage brush.

Good grass for grazing.

Mountainous or heavily timbered land, 80.00 chs.

N. 89° 56' E., on a random line bet. secs. 2 and 11

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

80.00 Intersect N. and S. line, 9 lks. N. of the cor. of secs.
 1, 2, 11, and 12.

Thence \bar{I} run

West, on a true line bet. secs. 2 and 11.

Over mountainous land; through heavy timber.

Descend over a series of ledges.

40.00 Set a sandstone, 16x10x8 ins. 12 ins. in the ground,
 for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; from which

A pinon pine, 6 ins. diam., bears S. 10° W., 48
 lks. dist., marked $\frac{1}{4}$ S. 11 B T.

A cedar, 20 ins. diam., bears N. 5° W., 37 lks.
 dist., marked $\frac{1}{4}$ S. 2 B T.

60.00 Bottom of hollow, 800 ft. below ridge, course S.

Ascend .

80.00 The cor. of secs. 2, 3, 10, and 11.

Land, mountainous.

Subdivision of T. 3 S., R. 6 W. - Continued

- Chains 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. 0° 2' W., on a random line bet. secs. 2 and 3.
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 80.14 Intersect N. bdy. of Tp., 2 lks N. 89° 57' E., of, cbr. of secs. 2, 3, 34, and 35, heretofore described.
- Thence 1 run
 S. 0° 3' E., on a true line bet. secs. 2 and 3.
 Over mountainous land; through heavy timber.
 Descend along side of ridge over ledges .
- 16.00 Top of ridge, 400 ft. below sec. cor., bears N. 25° W. and S. 25° E.
 Thence descend abruptly over ledges .
- 40.14 Set a sandstone, 20x15x4 ins., 15 ins. in the ground, for $\frac{1}{2}$ sec. cor., marked $\frac{1}{4}$ on W. face; from which
 A pinon pine, 5 ins. diam., bears S. 85° E., 14 lks. dist., marked $\frac{1}{4}$ S 2 B T.
 A cedar, 8 ins. diam., bears S. 75° W., 23 lks. dist., marked $\frac{1}{4}$ S 3 B T.
- 50.00 Bottom of hollow, 600 ft. below ridge, course S. 45° E.
 Ascend gradually . Leave ledges.
- 76.50 Top of spur, 150 ft. above hollow, bears E. and W.
 Descend gradually.
- 80.14 The cor. of secs. 2, 5, 10, and 11.
 Land, mountainous. very rough and ledgy.
 Soil, rocky; 4th rate.
 Timber, cedar and pinon pine.
 Good grass for grazing.
 Mountainous or heavily timbered land, 80.14 chs.

November 1, 1903.

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

Chains

- November 2, 1903: At 8 h 3 m a.m., l.m.t., I set off 40° 11' N., on the lat. arc; 14° 27' S., on the decl. arc; and determine a meridian, with the solar, at the cor. of secs. 3, 4, 33, and 34, on S. bdy. of Tp., heretofore described.
- Thence I run:
- N. 0° 2' W., bet. secs. 33 and 34.
- Over mountainous land; through heavy timber.
- Ascend.
- 6.00 Top of ridge, 50 ft. above sec. cor., bears E. and W.
- Descend.
- 16.10 Heber-Vernal road, bears E. and W., in bottom of hollow, 30 ft. below ridge, course E.
- Ascend.
- 24.50 Top of ridge, 50 ft. above hollow, bears N. 55° E. and S. 55° W.
- Descend.
- 40.00 Set a sandstone, 18x12x4 ins., 12 ins. in the ground, for $\frac{1}{2}$ sec. cor., marked $\frac{1}{2}$ on W. face; from which
- A pinon pine, 4 ins. diam., bears N. 30° E., 50 lks. dist., marked $\frac{1}{2}$ S 34 B.T.
- A cedar, 8 ins. diam., bears S. 30° W., 78 lks. dist., marked $\frac{1}{2}$ S 33 T.
- 46.25 Bottom of hollow, 60 ft. below ridge, course NE.
- Ascend.
- 66.00 Top of ascent, 100 ft. above hollow, bears NE. and SW.
- Enter mesa.
- 80.00 Set a sandstone, 18x12x4 ins., 12 ins. in the ground, for cor. of secs. 27, 28, 33, and 34, marked with 1 notch on S. and 3 notches on E. edges; from which
- A pinon pine, 10 ins. diam., bears N. 45° E., 108 lks. dist., marked T 3 S R 6 W S 27 B.T.
- A pinon pine, 14 ins. diam., bears S. 60° E., 15 lks. dist., marked T 3 S R 6 W S 34 B.T.
- A cedar 4 ins. diam., bears S. 15° W., 85

Subdivision of T.3 S. R.6 W.-Continued.

Chains

N.0°2'W., bet. secs. 27 and 28.

Over level mesa; through heavy timber.

30.50 Leave mesa, bears E. and W. Leave heavy timber.,

Descend .

38.00 Foot of descent, 300 ft. below mesa, bears E. and W.

Enter scattering timber, and dense undergrowth, bears E. and W.

Enter bottom of canon.

40.00 Set a sandstone, 20x12x6 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.

42.50 Wash, 100 lks. wide, 8 ft. deep, course N.85° E.

51.00 Leave canon bottom, bears E. and W.

Ascend abruptly.

64.00 Top of ascent, 300 ft. above canon, bears E. and W.

Enter heavy timber, bears E. and W.

Thence Over mesa.

80.00 Set a sandstone, 20x15x5 ins., 15 ins. in the ground, for cor. of secs. 21, 22, 27, and 28, marked with 2 notches on S. and 3 notches on E. edges; from which

A cedar, 6 ins. diam., bears N.67° E., 127 lks. dist., marked T 3 S R 6 W S 22 B T.

A pinon pine, 10 ins. diam., bears S.36° E., 159 lks. dist., marked T 3 S R 6 W S 27 B T.

A pinon pine, 6 ins. diam., bears S.54° W., 72 lks. dist., marked T 3 S R 6 W S 28 B T.

A pinon pine, 6 ins. diam., bears N.45° W., 60 lks. dist., marked T 3 S R 6 W S 21 B T.

Land, mountainous and level.

Soil, sandy and gravelly loam; 2nd and 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.

Subdivision of T. 3 S. R. 6 W. -Continued.

Chains November 2, 1903: At this cor. I set off $14^{\circ} 33' S.$, 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 $40^{\circ} 12' N.$, which is the proper lat. nearly.

$S. 89^{\circ} 55' E.$, on a random line bet. secs. 22 and 27.

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

79.90 Intersect N. and S. line, 23 lks. S. of the cor. of secs. 22, 23, 26, and 27;

Thence \perp run

$S. 89^{\circ} 55' W.$, on a true line bet. secs. 22 and 27.

Over mountainous land; through heavy timber.

Descend .

10.00 Bottom of hollow, 200 ft. below sec. cor., course SW.

Ascend .

36.00 Leave timber and enter dense undergrowth and scattering timber, bears N. and S.

39.95 Set a limestone, 16x14x8 ins., 11 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; from which

. A cedar, 6 ins. diam., bears $N. 20^{\circ} E.$, 145 lks. dist., marked $\frac{1}{4}$ S 22 B T.

. A cedar, 6 ins. diam., bears $S. 80^{\circ} E.$, 400 lks. dist., marked $\frac{1}{4}$ S 27 B T.

48.00 Top of ascent, 200 ft. above hollow, bears $N. 10^{\circ} E.$ and $S. 10^{\circ} W.$

Enter heavy timber, bears $N. 10^{\circ} E.$ and $S. 10^{\circ} W.$

Thence over rolling mesa.

53.00 Leave heavy and enter scattering timber, bears N. and S.

75.00 Enter heavy timber, bears N. and S.

79.90 The cor. of secs. 21, 22, 27, and 28.

Land, mountainous and rolling mesa.

Soil, sandy loam; 2nd rate.

Timber, cedar and pinon pine.

*See Corrections
Notes Page 9
Sh. 7.*

*See Corrections
Notes Page 9
Sh. 7.*

Subdivision of T-3 S R 6 W -Continued

Chains Mountainous or heavily timbered land, or land covered with dense undergrowth, 79.90 chs.

N. 0° 2' W., bet. secs. 21 and 22.

Over rolling mesa ; and ; through Scattering timber and dense undergrowth .

35.00 Leave timber, bears E. and W.

40.00 Set a sandstone, 24x18x8 ins., 18 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.

42.00 Old Heber-Vernal road, bears E. and W.

45.25 Wash, 10 lks. wide, 2 ft. deep, course E.

80.00 Set a sandstone, 14x12x7 ins., 9 ins. in the ground, for cor. of secs. 15, 16, 21, and 22, marked 3 S on NE; and 6 W on SE faces; with 3 notches on S., and E. edges; 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. Land, rolling mesa.

Soil, clay and sandy loam; 2nd rate.

Timber, cedar and pinon pine.

Undergrowth, sage brush and shadscales.

Good grass for grazing.

Land covered with dense undergrowth, 80.00 chs.

November 2, 1903: At this cor. I set off 40° 13' N., on the lat. arc; 14° 34' S., on the decl. arc; and at 4 h 3 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.

November 2, 1903.

November 3, 1903: At 4 h 35 m, a.m. l.m.t., I observe

Subdivision of T. 3 S. R. 6 W -Continued

Chains Polaris at western 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 7 h 33 m a.m., l.m.t., I lay off the azimuth of Polaris $1^{\circ}34.8'$ to the east, 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 .29 ins. east of the mark determined with the solar.

At 8 h 2 m a.m., l.m.t., I set Off $40^{\circ}13'N.$, on the lat. arc; $14^{\circ}46'S.$, 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.; on which it falls 0.37 ins. east of the meridian established by Polaris observation.

The solar apparatus by p.m. and a.m. observations defines positions for meridians, respectively about $0'15''$ west and $0'19''$ 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 8 h 30 m a.m., is $N.16^{\circ}40'W.$, the angle thus determined gives the mag. decl. $16^{\circ}40'E.$

Thence I run

$N.89^{\circ}55'E.$; on a random line bet. secs. 15 and 22.

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

80.10 Intersect N. and S. line, 16 lks. S. of the cor. of secs. 14, 15, 22, and 23.

Thence I run

$S.89^{\circ}48'W.$, on a true line bet. secs. 15 and 22. Over mountainous land; through heavy timber and dense

Subdivision of T. 3 S., R. 6 W. -Continued.

Chains

71.80 Top of ridge, 800 ft. above mesa, bears NW and SE.
Descend abruptly over ledges.

80.00 Set a sandstone, 18x9x6 ins., 12 ins. in the ground,
for cor. of secs. 9, 10, 15, and 16, marked with 4 notches
on S. and 3 notches on E. edges; from which

A pinon pine, 10 ins. diam., bears N. 19° E.,
95 lks. dist., marked T 3 S R 6 W S 10 B T.

A cedar, 4 ins. diam., bears S. 46° E., 62 lks.
dist., marked T 3 S R 6 W S 15 B T.

A cedar, 10 ins. diam., bears S. 47° W., 35 lks.
dist., marked T 3 S R 6 W S 16 B T.

A pinon pine, 8 ins. diam., bears N. 16° W., 96
lks. dist., marked T 3 S R 6 W S 9 B T.

Land, mountainous and level.

Soil, sandy loam on mesa; gravelly and rocky on mount-
ain; 2nd, 3rd, and 4th rate.

Timber, cedar and pinon pine.

Undergrowth, sage brush and shadscales.

Good grass for grazing.

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

N. 89° 48' E., on a random line, bet. secs. 10 and 15.

40.00 Set temp. sec. cor.

80.00 Intersect N. and S. line, 5 lks. N. of the cor. of secs.
10, 11, 14, and 15.

Thence 1 run

S. 89° 50' W., on a true line bet. secs. 10 and 15.

Over mountainous land; through heavy timber.

ascend

20.00 Top of ascent, 150 ft. above sec. cor., bears N. 35° W.
and S. 35° E.

Thence over rolling mesa.

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

Chains

- 40.00 Set a sandstone, 16x15x6 ins., 10 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; from which
 A cedar, 12 ins. diam., bears N. 25° W., 275 lks. dist., marked $\frac{1}{4}$ S 10 B. T.
 A cedar, 4 ins. diam., bears S. 20° W., 285 lks. dist., marked $\frac{1}{4}$ S 15 B. T.
- 72.00 Leave mesa, bears N. 40° W. and S. 40° E.
 Ascend over ledges.
- 80.00 The cor. of secs. 9, 10, 15, and 16.
 Land, mountainous and rolling mesa.
 Soil, sandy and gravelly loam and rocky; 2nd and 4th rate.
 Timber, cedar and pinon pine.
 Good grass for grazing.
 Mountainous or heavily timbered land, 80.00 chs.
 November 3, 1903: at this cor. I set off 14° 52' 5", 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° 14' N., which is the proper lat. nearly.
-
- N. 0° 2' W., bet. secs. 9 and 10.
 Over mountainous land; through heavy timber.
 Descend abruptly over ledges.
- 12.00 Foot of descent, 200 ft. below sec. cor., leave ledges, bears N 40° W. and S 40° E.
 Enter rolling mesa.
- 40.00 Set a sandstone, 16x9x6 ins., 11 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face; from which
 A pinon pine, 20 ins. diam., bears S. 64° E., 82 lks. dist., marked $\frac{1}{4}$ S 10 B. T.
 A pinon pine, 30 ins. diam., bears N. 75° W., 22 lks. dist., marked $\frac{1}{4}$ S 9 B. T.

Subdivision of T. 3 S., R. 6 W -Continued.

Chains	
58.00	Leave mesa, bears N. 50° W. and S. 50° E. Descend over ledges.
80.00	400 ft. below mesa. Set a sandstone, 18x9x4 ins., 12 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 cedar, 6 ins. diam., bears N. 44° E., 34 lks.. dist., marked T 3 S R 6 W S 3 B T. A cedar, 8 ins. diam., bears S. 62° E., 39 lks.. dist., marked T 3 S R 6 W S 10 B T. A pinon pine, 20 ins. diam., bears S. 17° W., 28 lks. dist., marked T 3 S R 6 W S 9. B T. A pinon pine, 12 ins. diam., bears N. 34° W., 33 lks. dist., marked T 3 S R 6 W S 4 B T.
	Land, mountainous and rolling mesa. Soil, sandy and gravelly loam on mesa and rocky on mountain; 2nd and 4th rate. Timber, cedar and pinon pine. Good grass for grazing. Mountainous or heavily timbered land, 80.00 acs.
	N. 89° 50' E., on a random line bet. secs. 3 and 10.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.06	Intersect N. and S. line, 14 lks. N. of the cor. of secs. 2, 3, 10, and 11.
	Thence I run S. 89° 56' W., on a true line bet. secs. 3 and 10.
	Over mountainous land; through heavy timber. Ascend.
34.00	Top of ridge, 250 ft. above sec. cor., bears N. and S. Descend abruptly over ledges.
40.03	Set a sandstone, 14x8x6 ins., 9 ins. in the ground,

Subdivision of T 3 S R 6 W :-Continued

- Chains for $\frac{1}{4}$ sec.cor., marked $\frac{1}{4}$ on N. face; from which
- A pinon pine, 16 ins. diam., bears N. 5° W., 54 lks. dist., marked $\frac{1}{4}$ S 3 B T.
- A pinon pine, 10 ins. diam., bears S. 40° W., 80 lks. dist., marked $\frac{1}{4}$ S 10 B T.
- 75.00 Bottom of hollow, 800 ft. below ridge, course S .60° E. Ascend over ledges.
- 80.06 The cor. of secs. 3, 4, 9, and 10.
Land, mountainous.
Soil, sandy and gravelly loam; 2nd and 3rd rate.
Timber, cedar and pinon pine.
Good grass for grazing.
Mountainous, or heavily timbered land, 80.06 chs .
-
- N. 0° 2' W., on a random line bet. secs. 3 and 4.
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 80.16 Intersect N. Bdy. of Tp., 7 lks. S. 89° 57' W., of cor. of secs. 3, 4, 33, and 34, heretofore described.
Thence I run
S. 0° 1' W., on a true line bet. secs. 3 and 4.
Over mountainous land; through heavy timber.
Descend abruptly over a series of perpendicular sandstone ledges, from 15 ft. to 150 ft. high .
- 40.16 Set a sandstone, 18x10x6 ins., 12 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face; from which
- A pinon pine, 8 ins. diam., bears N. 67° E., 60 lks. dist., marked $\frac{1}{4}$ S 3 B T.
- A pinon pine, 6 ins. diam., bears N. 63° W., 40 lks. dist., marked $\frac{1}{4}$ S 4 B T.
- 76.75 Bottom of hollow, 800 ft. below sec. cor. and 400 ft. below $\frac{1}{4}$ sec. cor., course S. 80° E.
Ascend over ledges.
- 80.16 The cor. of secs. 3, 4, 9, and 10.
Land, mountainous very rough.

Subdivision of T. 3 S., R. 6 W. -Continued

Chains Soil, gravelly and rocky; 3rd and 4th rate.
 Timber, cedar and pinon pine.
 Good grass for grazing.
 Mountainous or heavily timbered land, 80.16 chs.

November 3, 1903.

November 4, 1903: At 8 h 3 m a.m., l.m.t., I set off
 40° 11' N., on the lat. arc; 15° 5' S., on the decl. arc; and
 determine a meridian, with the solar, at the cor. of
 secs. 4, 5, 32, and 33, on S. bdy. of Tp., heretofore
 described.

Thence I run

N. 0° 3' W., bet. secs. 32 and 33.

Over mountainous land; through heavy timber.

Ascend .

5.00 Top of ridge, 100 ft. above sec. cor., bears E. and W.

Descend .

14.00 Heber-Vernal road, bears E. and W., in bottom of hollow,
 100 ft. below ridge, course E.

Ascend .

28.00 Top of ridge, 250 ft. above hollow, bears N. 60° W. and
 S. 60° E.

Descend .

40.00 Set a sandstone, 24x8x3 ins., 18 ins. in the ground,
 for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face; from which

A pinon pine, 6 ins. diam., bears S. 80° E., 25
 lks. dist., marked $\frac{1}{4}$ S 33 B T.

A pinon pine, 6 ins. diam., bears W., 45 lks.
 dist., marked $\frac{1}{4}$ S 32 B T.

41.50 Bottom of hollow, 150 ft. below ridge, course NE.

Ascend .

54.00 Top of spur, 300 ft. above hollow, bears NE and SW.

Subdivision of T 3 S ,R 6 W -Continued

Chains Descend .

74.00 Bottom of hollow,300 ft.below spur,course N.60°E.
Ascend .

78.50 Top of spur,300 ft.above hollow,bears N.85°E.and S.
85°W.
Descend .

80.00 Set a sandstone,18x7x5 ins.,12 ins.in the ground,
for cor.of secs.28,29,32,and 33,marked with 1 notch
on S.and 4 notches on E.edges;from which

A pinon pine,5 ins.diam.,bears N.55°E.,71
lks.dist.,marked T 3 S R 6 W S 28 B T;

A pinon pine,10 ins.diam.,bears S.30°E.,69
lks.dist.,marked T 3 S R 6 W S 33 B T.

A pinon pine,12 ins.diam.,bears S,31°W.,71
lks.dist.,marked T.3 S.,R.6 W S 32 B T.

A pinon pine 8 ins.diam.,bears N.68°W.,61
lks.dist.,marked T 3 S R 6 W S 29 B T.

Land,mountainous .

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

Timber,cedar and pinon pine.

Good grass for grazing.

Mountainous or heavily timbered land,80.00 chs.

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

40.00 Set temp.¼ sec.cor.

79.80 Intersect N.and S.line,at the cor.of secs.27,28,33,
and 34.

Thence I run

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

Over rolling mesa;through heavy timber.

14.50 Leave mesa,bears N.and S.
Descend ledgy side hill .

29.45 Bottom of hollow,150 ft.below mesa,course N.

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Subdivision of T. 3 S., R. 6 W. -Continued.

Chains	Leave ledges ,bears N. and S.
	Ascend .
34.50	Top of ridge, 100 ft. above hollow, bears N. 30° E. and S. 30° W.
	Descend .
39.90	Set a sandstone, 18x10x4 ins., 12 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; from which
	A pinon pine, 8 ins. diam., bears N. 10° W., 30 lks. dist., marked $\frac{1}{4}$ S 28 B T.
	A pinon pine, 8 ins. diam., bears S. 5° E., 50 lks. dist., marked $\frac{1}{4}$ S 33 B T.
67.00	Bottom of hollow, 400 ft. below ridge, course N. 50° E.
	Ascend .
76.00	Top of spur, 300 ft. above hollow, bears N. 70° E. and S. 70° W.
	Descend .
79.80	The cor. of secs. 28, 29, 32, and 33.
	Land, mountainous.
	Soil, sandy and gravelly loam and rocky; 2nd and 4th rate.
	Timber, cedar and pinon pine.
	Good grass for grazing.
	Mountainous or heavily timbered land, 79.80 chs.

	N. 0° 3' W., bet. secs. 28 and 29.
	Over mountainous land; through heavy timber.
	Descend .
26.00	Bottom of canon, 400 ft. below sec. cor., course S. 70° E.
	Ascend .
40.00	Set a sandstone, 18x10x3 ins., 12 ins. in the ground , for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face; from which
	A cedar, 4 ins. diam., bears S. 38° E., 85 lks. dist., marked $\frac{1}{4}$ S 28 B T.
	A pinon pine, 8 ins. diam., bears S. 75° W., 23

Subdivision of T 3 S R 6 W -Continued

Chains 1ks. dist., marked $\frac{1}{4}$ S 29 B T.

40.50 Top of perpendicular ledge, 20 ft. high, bears NW and SE.

Top of ascent, 400 ft. above canon, bears NW and SE.

Leave timber and enter dense undergrowth, bears NW and SE.

Thence over rolling mesa.

45.00 Enter scattering timber, bears NW and SE.

80.00 Set a sandstone, 14x10x6 ins., 9 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 pinon pine, 5 ins. diam., bears N. 37° E., 230 lks. dist., marked T 3 S R 6 W S 21 B T.
- A pinon pine, 8 ins. diam., bears S. 40° E., 118 lks. dist., marked T 3 S R 6 W S 28 B T.
- A cedar, 10 ins. diam., bears S. 16° W., 71 lks. dist., marked T 3 S R 6 W S 29 B T.
- A cedar, 6 ins. diam., bears N. 3° W., 294 lks. dist., marked T 3 S R 6 W S 20 B T.

Land, mountainous and level.

Soil, sandy and gravelly; 2nd and 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.

November 4, 1903: At this cor. I set off 15° 10' S., 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° 12' N.

East, on a random line bet. secs. 21 and 28.

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

Subdivision of T. 3 S., R. 6 W. -Continued

Chains	
79.80	Intersect N. and S. line, at the cor. of secs. 21, 22, 27, and 28.
Thence I run	West, on a true line bet. secs. 21 and 28.
	Over rolling mesa; through heavy timber.
39.90	Set a sandstone, 18x12x6 ins., 12 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; from which
	A cedar, 6 ins. diam., bears N. 61° W., 130 lks; dist.; marked $\frac{1}{4}$ S 21 B T.
	A cedar, 6 ins. diam., bears S. 87° E., 556 lks. dist., marked $\frac{1}{4}$ S 28 B T.
79.80	The cor. of secs. 20, 21, 28, and 29.
Land, rolling mesa.	Soil, sandy and clay loam; 2nd rate.
Timber, cedar and pinon pine.	Good grass for grazing.
Heavily timbered land, 79.80 chs.	N. 0° 3' W., bet. secs. 20 and 21.
	Over rolling mesa; through heavy timber.
40.00	Set a sandstone, 18x13x5 ins., 12 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face; from which
	A pinon pine, 10 ins. diam., bears N. 81° E.,; 145 lks. dist., marked $\frac{1}{4}$ S 21 B T.
	A cedar, 8 ins. diam., bears W., 15 lks. dist., marked $\frac{1}{4}$ S 20 B T.
45.00	Leave timber and enter dense undergrowth, bears E. and W.
51.50	Wash, 10 lks. wide, 2 ft. deep, course E.
52.00	Old Heber-Vernal road, bears E. and W.
70.00	Enter heavy timber, bears E. and W.
80.00	Set a sandstone, 18x8x6 ins., 12 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; from which

Subdivision of T. 3 S., R. 6 W. -Continued

Chains

A pinon pine, 10 ins. diam., bears S. 69° E., 98 lks. dist., marked T 3 S R 6 W S 21 B T.

A cedar, 12 ins. diam., bears S. 41° W., 154 lks. dist., marked T 3 S R 6 W S 20 B T.

A cedar, 8 ins. diam., bears N. 33° W., 90 lks. dist., marked T 3 S R 6 W S 17 B T.

No tree within limits in sec. 16; raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.

Land, rolling.

Soil, gravelly and sandy loam; 2nd rate.

Timber, cedar and pinon pine.

Undergrowth, sage brush and shadscales.

Good grass for grazing.

Heavily timbered land, or land covered with dense undergrowth, 80.00 chs.

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

40.00 Set temp. ¼ sec. cor.

80.00 Intersect N. and S. line, at the cor. of secs. 15, 16, 21, and 22.

Thence I run

West, on a true line bet. secs. 16 and 21.

Over gently rolling mesa; through dense undergrowth.

40.00 Set a sandstone, 20x10x4 ins., 15 ins. in the ground, for ¼ sec. cor., marked ¼ on N. face; dig pits, 18x18x12 ins. E. and W. of stone, 3 ft. dist.; and raise a mound of earth, 3½ ft. base, 1½ ft. high, N. of cor.

79.90 Wash, 10 lks. wide, 2 ft. deep, course SE.

80.00 The cor. of secs. 16, 17, 20, and 21.

Land, nearly level.

Soil, clay and sandy loam; 2nd rate.

No timber.

Undergrowth, sage brush.

Good grass for grazing.

Subdivision of T. 3 S., R. 6 E., Contained

Chains Land covered with dense undergrowth, 80.00 chs.

November 4, 1903.

November 5, 1903: At 8 h 3 m a.m., l.m.t., I set off
 40° 13' N., on the lat. arc; 15° 24' S., on the decl. arc;
 and determined a meridian with the solar, at the cor.
 of sec. 16, 17, 20, and 21.

Thence I run

N. 0° 3' E., bet. sec. 16 and 17.

Over gently rolling mesa; through scattering timber
 and dense undergrowth.

.15 Wash, 10 lks. wide, 2 ft. deep, course S. 40° E.

22.50 Leave mesa, bears NE and SW.

Leave undergrowth and enter heavy timber, bears
 NE and SW.

Ascend

40.00 Set a sandstone, 16x10x5 ins., 11 ins. in the ground,
 for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on E. face; from which

A pinon pine, 4 ins. diam., bears S. 40° E., 55
 lks. dist., marked $\frac{1}{4}$ S 16 B T.

A pinon pine, 10 ins. diam., bears S. 60° W., 35
 lks. dist., marked $\frac{1}{4}$ S 17 B T.

80.00 Set a sandstone, 16x12x4 ins., 11 ins. in the ground,
 for cor. of sec. 8, 9, 16, and 17, marked with 4 notches
 on S. and 4 notches on E. edges; from which

A cedar, 9 ins. diam., bears N. 60° E., 36 lks.
 dist., marked T 3 S R 6 W S 6 B T.

A pinon pine, 11 ins. diam., bears S. 30° E., 91
 lks. dist., marked T 3 S R 6 W S 16 B T.

A cedar, 8 ins. diam., bears S. 40° W., 109 lks.
 dist., marked T 3 S R 6 W S 17 B T.

A cedar, 9 ins. diam., bears N. 60° W., 459 lks.
 dist., marked T 3 S R 6 W S 8 B T.

Subdivision of T 3 S .R 6 W -Continued.

Chains Land, mountainous and level.
Soil, sandy loam on mesa and rocky and gravelly on mountain; 2nd, 3rd and 4th rate.
Timber, cedar and pinon pine.
Undergrowth, sage brush and shadscales.
Good grass for grazing.
Mountainous or heavily timbered land, or land covered with dense undergrowth, 80.00 chs.

East, on a random line bet. secs. 9 and 16.

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

79.84 Intersect N. and S. line, 5 lks. S. of the cor. of secs. 9, 10, 15, and 16.
Thence I run
S. $89^{\circ}58'W.$, on a true line bet. secs. 9 and 16.
Over mountainous land; through heavy timber.
Ascend over ledges.

8.00 Top of ridge, 150 ft. above sec. cor., bears NW. and SE.
Descend over ledges.

39.92 Set a sandstone, 18x14x4 ins., 12 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; from which
A pinon pine, 18 ins. diam., bears N. $20^{\circ}W.$, 75 lks. dist., marked $\frac{1}{4}$ S 9 B T.
A pinon pine, 18 ins. diam., bears S. $30^{\circ}E.$, 45 lks. dist., marked $\frac{1}{4}$ S 16 B T.

52.00 Bottom of hollow, 400 ft. below ridge, course S.
Ascend over ledges.

79.84 The cor. of secs. 8, 9, 16, and 17.
Land, mountainous.
Soil, gravelly and rocky; 3rd and 4th rate.
Timber, cedar and pinon pine.
Good grass for grazing.
Mountainous or heavily timbered land, 79.84 chs.

Subdivision c of T.3.S.,R.6 W.-Continued

Chains

N.0°3'W.,bet.secs.8and 9.

Over mountainous land;through scattering timber and dense undergrowth.

Ascend

35.00 Begin abrupt ascent,bears NE and SW. Enter ledges.

40.00 Set a sandstone,20x12x6 ins.,15 ins.in the ground, for $\frac{1}{4}$ sec.cor., marked $\frac{1}{4}$ on W.face;from which

A pinon pine,9 ins.diam.,bears S.70°E.,

30 lks.dist.,marked $\frac{1}{4}$ S 9 B T.

A pinon pine,10 ins.diam.,bears S.20°W,

60 lks.dist.,marked $\frac{1}{4}$ S 8 B T.

60.00 Top of ridge,500 ft.above sec.cor.,bears N.40°E.and S.40°W.

Enter heavy timber,bears N.40°E.and S.40°W.

Thence along side of ridge .Ascend gradually.

80.00 Set a sandstone,16x14x6 ins.,11 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 pinon pine,16 ins.diam.,bears N.25°E.

38 lks.dist.,marked T 3 S R 6 W S 4 B T.

A pinon pine,14 ins.diam.,bears S.10°E.,

71 lks.dist.,marked T 3 S R 6 W S 9 B T

A cedar,14 ins.diam.,bears S.65°W.,33

lks.dist.,marked T 3 S R 6 W S 8 B T.

A pinon pine,12 ins.diam.,bears N.75°W.

40 lks.dist.,marked T 3 S R 6 W S 5 B T.

Land,mountainous .

Soil,gravelly and rocky;3rd 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,80.00 chs.

November 5,1903:At this cor.I set off 15°29'S.,on the

Subdivision of T 3 S R 6 W -Continued.

- Chains decl. arc; and at 0 h 2 m p.m., l.m.t., I observe the sun on the meridian, the resulting lat. is $40^{\circ}15'N.$, which is the proper lat. nearly.
-
- N. $89^{\circ}58'E.$, on a random line bet. secs. 4 and 9.
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 79.90 Intersect N. and S. line, 5 lks. N. of the cor. of secs. 3, 4, 9, and 10.
- Thence I run
- West, on a true line bet. secs. 4 and 9.
- Over mountainous land; through heavy timber.
- Ascend abruptly over ledges.
- 39.95 Set a sandstone, 24x10x 10 ins., 18 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; from which
- A pinon pine, 6 ins. diam., bears N. $40^{\circ}W.$, 54 lks. dist., marked $\frac{1}{4}$ S 4 B T.
- A pinon pine, 18 ins. diam., bears S. $55^{\circ}E.$, 45 lks. dist., marked $\frac{1}{4}$ S 9 B T.
- This cor. is 600 ft. above sec. cor.
- 76.00 Top of ridge, 400 ft. above $\frac{1}{4}$ sec. cor., bears N. and S.
- Descend gradually.
- 79.90 The cor. of secs. 4, 5, 8, and 9.
- Land, mountainous
- Soil, gravelly and rocky; 3rd and 4th rate.
- Timber, cedar and pinon pine
- Good grass for grazing.
- Mountainous or heavily timbered land, 79.90 chs.
-
- N. $0^{\circ}3'W.$, on a random line bet. secs. 4 and 5.
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 80.32 Intersect N. hdy. of T., 16 lks. S. $89^{\circ}57'W.$ of cor. of secs.

Subdivision of T.3 S., R.6 W. -Continued

Chains	4, 5, 32, and 33, heretofore described.
	Thence I run
	S. 0° 4' W., on a true line bet. secs. 4 and 5.
	Over mountainous land through scattering timber.
	Descend abruptly over ledges from 20 ft. to 50 ft. high.
10.00	Bottom of hollow, 350 ft. below sec. cor., course S. 65° E.
	Ascend abruptly over ledges.
19.00	Top of spur, 250 ft. above hollow, bears N. 65° W. and S. 65° E.
	Descend abruptly over ledges.
28.00	Bottom of hollow, 300 ft. below spur, course S. 65° E.
	Ascend over ledges.
40.32	Set a sandstone, 18x12x10 ins. 12 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face; from which
	A pinon pine, 4 ins. diam., bears S. 40° E., 50
	lks. dist., marked $\frac{1}{4}$ S 4 B T.
	A pinon pine, 12 ins. diam., bears N. 45° W., 35
	lks. dist., marked $\frac{1}{4}$ S 5 B T.
68.00	Top of ridge, 500 ft. above hollow, bears N. 10° W. and S. 10° E.
	Descend gradually.
	Enter heavy timber, bears N. 10° W. and S. 10° E.
80.32	The cor. of secs. 4, 5, 8, and 9.
	Land, mountainous.
	Soil, rocky; 4th rate.
	Timber, cedar and pinon pine.
	Good grass for grazing.
	Mountainous or heavily timbered land, 80.32 chs.

November 5, 1903.

November 6, 1903. At 8 h 4 m a.m., l.m.t., I set off

Subdivision of T 3 S R 6 W -Continued.

Chains

40°11'N., on the lat. arc; 15°42'S., 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; through scattering timber.

Ascend .

24.00 Top of ridge, 40 ft. above sec. cor., bears E. and W.

Descend .

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; from which

A pinon pine, 10 ins. diam., bears N. 55° E., 3
lks. dist., marked $\frac{1}{4}$ S. 32 B T.

A pinon pine, 3 ins. diam., bears N. 85° W., 48
lks. dist., marked $\frac{1}{4}$ S 31 B T.

48.00 Bottom of hollow, 100 ft. below ridge, course N. 70° E.

Ascend .

57.75 Foot of sandstone ledge, 15 ft. high, bears N. 50° E. and
S. 50° W.

59.50 Top of ridge, 75 ft. above hollow, bears N. 50° E. and S.
50° W.

Descend . . .

66.50 Heber-Vernal road, bears E. and W. In bottom of hol-
low, 40 ft. below ridge course E.

Ascend .

80.00 Set a sandstone, 18x10x10 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, 10 ins. diam., bears N. 63° E.,
126 lks. dist., marked T 3 S R 6 W S 29 B T.

A pinon pine, 14 ins. diam., bears S. 54° E., 85
lks. dist., marked T 3 S R 6 W S 32 B T.

A cedar, 8 ins. diam., bears S. 65° W., 74 lks.
dist., marked T 3 S R 6 W S 31 B T.

Subdivision of T 3 S R 6 W -Continued

Chains	A pinon pine; 12 ins. diam., bears N. 10° W., 90 lks. dist., marked T 3 S R 6 W S 30 B T. Land, mountainous Soil, sandy and gravelly loam; 2nd rate. Timber, cedar and pinon pine. Good grass for grazing. Mountainous land, 80.00 chs.
	East, on a random line bet. secs. 29 and 32.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.18	Intersect N. and S. line, 7 lks. N. of the cor. of secs. 28, 29, 32, and 33. Thence I run. N. 89° 57' W., on a true line bet. secs. 29 and 32. Over mountainous land; through heavy timber; Ascend
25.00	Top of ascent, 150 ft. above sec. cor., bears N. and S. Thence over mesa.
40.09	Set a sandstone, 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 N. 5° E., 54 lks. dist., marked $\frac{1}{4}$ S 29 B T. A pinon pine, 11 ins. diam., bears S. 26 lks. dist. marked $\frac{1}{4}$ S 32 B T.
63.00	Leave mesa, bears N. 65° W. and S. 65° E. Descend
80.18	The cor. of secs. 29, 30, 31, and 32. Land, mountainous and level. Soil, sandy and rocky; 2nd and 4th rate. Timber, cedar and pinon pine. Good grass for grazing. Mountainous or heavily timbered land, 80.18 chs.

Subdivision of T.3 S., R.6 W. -Continued

Chains

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

40.00 Set temp. $\frac{1}{4}$ seccor.

78.60 Intersect W. bdy. of Tp., 14 lks. N. of the cor. of secs. 25, 30, 31, and 36.

Thence I run

N. $89^{\circ} 54' E.$, on a true line bet. secs. 30 and 31.

Over mountainous land; through heavy timber.

Descend gradually .

38.60 Set a sandstone, 16x12x4 ins., 11 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; from which

A pinon pine, 13 ins. diam., bears N. $4^{\circ} W.$, 48 lks. dist., marked $\frac{1}{4}$ S 30 B T.

A pinon pine, 15 ins. diam., bears S. $45^{\circ} W.$, 55 lks. dist., marked $\frac{1}{4}$ S 31 B T.

78.60 The cor. of secs. 29, 30, 31, and 32.

Land, mountainous.

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

Timber, cedar and pinon pine.

Good grass for grazing.

Mountainous or heavily timbered land, 78.60 chs .

November 6, 1903: At this cor. I set off $15^{\circ} 47' S.$, 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 $40^{\circ} 12' N.$, which is the proper lat. nearly.

N. $0^{\circ} 4' W.$, bet. secs. 29 and 30.

Over mountainous land; through heavy timber.

Ascend .

3.50 Top of ascent, 25 ft. above sec. cor., bears E. and W.

Thence over mesa.

38.00 Leave mesa, bears N. $60^{\circ} E.$ and S. $60^{\circ} W.$

Descend .

40.00 Set a sandstone, 16x8x6 ins., 11 ins. in the ground,

Subdivision of T. 3 S., R. 6 W. -Continued.

Chains	<p>for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face; from which</p> <p>A pinon pine, 10 ins. diam., bears S. 86° E., 58 lks. dist., marked $\frac{1}{4}$ S 29 B T.</p> <p>A pinon pine, 4 ins. diam., bears S. 59° W., 82 lks. dist., marked $\frac{1}{4}$ S 30 B T.</p>
52.00	<p>Bottom of canon, 500 ft. below mesa, course N. 60° E. Ascend abruptly.</p>
68.50	<p>Top. of ascent, 500 ft. above canon, bears N. 60° E. and S. 60° W.</p> <p>Thence over mesa.</p>
80.00	<p>Set a sandstone, 16x8x6 ins., 11 ins. in the ground, for cor. of secs. 19, 20, 29, and 30, marked with 2 notches on S. and 5 notches, on E. edges; from which</p> <p>A pinon pine, 14 ins. diam., bears N. 28° 30' E., 95 lks. dist., marked T 3 S R 6 W S 20 B T.</p> <p>A pinon pine, 5 ins. diam., bears S. 46° E., 61 lks. dist., marked T 3 S R 6 W S 29 B T.</p> <p>A pinon pine, 10 ins. diam., bears S. 57° W., 57 lks. dist., marked T 3 S R 6 W S 30 B T.</p> <p>A pinon pine, 10 ins. diam., bears N. 35° 30' W., 187 lks. dist., marked T 3 S R 6 W S 19 B T.</p>
	<p>Land, mountainous and level.</p> <p>Soil, sandy and rocky; 2nd and 4th rate.</p> <p>Timber, cedar and pinon pine .</p> <p>Good grass for grazing.</p> <p>Mountainous or heavily timbered land, 80.00 chs.</p>
	<p>S. 89° 57' E., on a random line bet. secs. 20 and 29.</p>
40.00	<p>Set temp. $\frac{1}{4}$ sec. cor.</p>
80.38	<p>Intersect N. and S. line, 16 lks. N. of the cor. of secs. 20, 21, 28, and 29.</p> <p>Thence I run</p> <p>N. 89° 50' W., on a true line bet. secs. 20 and 29.</p>

Subdivision of T.3 S., R.6 W. -Continued.

- Chains Over level mesa; through heavy timber .
- 17.50 Leave mesa, bears N. 20° E. and S. 20° W.
Descend abruptly over ledges.
- 26.70 Bottom of canon, 500 ft. below mesa, course S. 20° W.
Ascend over ledges.
- 36.75 Top of ascent, 500 ft. above canon, bears N. 20° E. and
S. 20° W. Leave ledges, bears N. 20° E. and S. 20° W.
Thence over rolling mesa.
- 40.19 Set a sandstone 16x8x6 ins., 11 ins. in the ground,
for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; from which
A pinon pine, 6 ins. diam., bears N. 12° E., 49
lks. dist., marked $\frac{1}{4}$ S 20 B T.
A pinon pine, 15 ins. diam., bears S. 19° E.,
118 lks. dist., marked $\frac{1}{4}$ S 29 B T.
- 80.38 The cor. of secs. 19, 20, 29, and 30.
Land, mountainous and level.
Soil, sandy and rocky; 2nd and 4th rate.
Timber, cedar and pinon pine.
Good grass for grazing.
Mountainous or heavily timbered land, 80.38 chs.
-
- S. 89° 54' W., on a random line bet. secs. 19 and 30.
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 78.46 Intersect W. bdy. of Tp., 14 lks. S. of the cor. of secs.
19, 24, 25, and 30., heretofore described.
Thence I run
East, on a true line bet. secs. 19 and 30.
Over mountainous land; through heavy timber.
Ascend .
- 3.00 Top of spur, 25 ft. above sec. cor., bears N. 10° E. and
S. 10° W.
Descend .
- 22.50 Foot of descent, 100 ft. below ridge, bears N. and S.
Thence over rolling mesa.

Subdivision of T. 2 S. R. 1 W. Continued

Chains	
38.46	Set a sandstone, 14x10x6 ins., 9 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; from which A pinon pine, 8 ins. diam., bears N. 19° E., 104 lks. dist., marked $\frac{1}{4}$ S 19 B T. A pinon pine, 6 ins. diam., bears S. 35° W., 80 lks. dist., marked $\frac{1}{4}$ S 30 B T.
78.46	The cor. of secs. 19, 20, 29, and 30. Land, mountainous and level. Soil, sandy and gravelly; 2nd and 3rd rate. Timber, cedar and pinon pine. Good grass for grazing. Mountainous or heavily timbered land, 78.46 chs.
	<hr/> N. 0° 4' W., bet. secs. 19 and 20. Over gently rolling mesa; through heavy timber. Descend gradually.
40.00	Set a sandstone, 18x12x5 ins., 12 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face; from which A pinon pine, 11 ins. in diam., bears N. 70° E., 20 lks. dist., marked $\frac{1}{4}$ S 20 B T. A cedar, 14 ins. diam., bears S. 87° W., 50 lks. dist., marked $\frac{1}{4}$ S 19 B T.
57.00	Leave mesa, bears E. and W. Descend .
58.50	Bottom of hollow, 50 ft. below mesa, course E. Ascend gradually.
67.50	Leave timber, bears E. and W.
70.40	Old Heber-Vernal road, bears E. and W. Enter dense undergrowth, bears E. and W.
80.00	Set sandstone, 18x16x6 ins., 12 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; and raise a mound of

Subdivision of T.3. S.R.6 W.-Continued.

Chains.

stone 2 ft. base $1\frac{1}{2}$ ft. high W. of cor.
 Land mountainous and rolling mesa.
 Soil sandy and gravelly; 2nd and 3rd rate.
 Timber cedar and pinon pine.
 Undergrowth sagebrush.
 Good grass for grazing.
 Mountainous or heavily timbered land, or land covered
 with dense undergrowth 80.00 chs.

November 6, 1903.

November 7, 1903: At 8 h. 5 m. a. m. I set off $40^{\circ}13'N$.
 on the lat. arc; $16^{\circ}0'S$ on the decl. arc; and determine a
 meridian with the solar at the cor. of secs. 17, 18, 19
 and 20.

Thence I run

S. $89^{\circ}50'E$ on a random line bet. secs. 17 and 20

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

80.10 Intersect N. and S. line 23 lks. S. of the cor. of secs. 16, 17,
20 and 21.

Thence I run

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

Over level mesa; through scattering timber and dense
sagebrush.

11.00 Leave mesa, bears N. and S.

Ascend abruptly over ledges.

28.10 Top of ridge 500 ft. above mesa, bears N. and S.

Descend abruptly over ledges.

40.05 Set a sandstone 18x10x6 ins. 12 ins. in the ground, for
 $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; from which

A cedar 6 ins. diam. bears $N. 5^{\circ}W$. 37 lks. dist.

marked $\frac{1}{4}$ S 17 B T

A pinon pine 4 ins. diam. bears $S. 10^{\circ}E$. 34 lks.

dist., marked $\frac{1}{4}$ S 20 B T

Subdivision of T.3 S.R.6 W.-Continued.

Chains.	
68.25	Bottom of canon, 600 ft. below ridge, course S. 20° E. Ascend; leave ledges.
80.10	The cor. of secs. 17, 18, 19, and 20. Land mountainous and level. Soil sandy and rocky; 2nd and 4th rate. Timber cedar and pinon pine. Undergrowth sagebrush. Good grass for grazing. Mountainous land, or land covered with dense undergrowth 80.10 chs.
	<hr/> <p>West on a random line bet. secs. 18 and 19</p>
40.00	Set temp. $\frac{1}{4}$ sec. cor.
78.38	Intersect W. bdy. of Tp. at the cor. of secs. 13, 18, 19, and 24, heretofore described. Thence I run East on a true line bet. secs. 18 and 19 Over mountainous land; through heavy timber and dense undergrowth. Descend gradually along side of ridge.
38.38	Set a sandstone 16x10x5 ins. 11 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 N. 33° E. 37 lks. dist. marked $\frac{1}{4}$ S 18 B T A cedar 8 ins. diam. bears S. 81° 30' W. 40 lks. dist. marked $\frac{1}{4}$ S 19 B T
75.00	Leave timber bears N. and S.
78.38	The cor. of secs. 17, 18, 19, and 20. Land mountainous. Soil sandy and gravelly loam; 2nd rate. Timber cedar and pinon pine. Undergrowth sagebrush.

Subdivision of T 3 S R 6 W -Continued

3Chains Good grass for grazing.

Mountainous or heavily timbered land, or land covered with dense undergrowth, 78.38 chs.

N.0°4'W., bet. secs. 17 and 18, .

Over mountainous land; through dense undergrowth.

Ascend .

5.00 Top of spur, 25 ft. above sec. cor., bears N.75°W. and S.75°E.

Descend .

15.00 Bottom of canon, 50 ft. below spur, course S.30°E.

Enter scattering timber, bears N.30°W. and S.30°E.

Ascend .

23.00 Begin abrupt ascent over ledges, bears NW and SE.

Leave undergrowth, bears NW and SE.

40.00 Set a sandstone, 16x13x4 ins., 12 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face; from which

A pinon pine, 6 ins. diam., bears N.63°E., 100 lks. dist., marked $\frac{1}{4}$ S 17 B T.

A pinon pine, 10 ins. diam., bears S.45°W., 10 lks. dist., marked $\frac{1}{4}$ S 18 B T.

80.00 Set a sandstone, 20x11x4 ins., 15 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, 4 ins. diam., bears N.70°E., 105 lks. dist., marked T 3 S R 6 W S 8 B T.

A pinon pine, 10 ins. diam., bears S.68°E., 115 lks. dist., marked T 3 S R 6 W S 17 B T.

A pinon pine, 4 ins. diam., bears S.62°W., 47 lks. dist., marked T 3 S R 6 W S 18 B T.

A pinon pine, 14 ins. diam., bears N.25°W., 45 lks. dist., marked T 3 S R 6 W S 7 B T.

Land, mountainous.

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

Subdivision of T. 2 S., R. 6 W., -Continued.

Chains	<p>Timber, cedar and pinon pine.</p> <p>Undergrowth, sage brush.</p> <p>Good grass for grazing.</p> <p>Mountainous land, or land covered with dense undergrowth.</p> <p>80.00 chs.</p> <p>November 7, 1903: at this cor. I set off $10^{\circ} 5' 31''$, 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 $40^{\circ} 14' N$.</p>
	<p>East, on a random line bet. sec. 8 and 17.</p>
40.00	Set temp. sec. cor.
80.20	Intersect N. and S. line, at the cor. of secs. 8, 3, 16, and 17.
	Thence I run
	West, on a true line bet. secs. 8 and 17.
	Over mountainous land, through heavy timber.
	Ascend over ledges.
39.50	Top of ridge, 300 ft. above sec. cor., bears N. and S.
	Descend over ledges.
40.10	Set a sandstone, $16 \times 12 \times 5$ ins., 11 ins. in the ground, for $\frac{1}{2}$ sec. cor., marked $\frac{1}{2}$ on N. face; from which
	A cedar, 5 ins. diam., bears N. $60^{\circ} W.$, 40 lks. dist., marked $\frac{1}{2}$ C 8 B T.
	A cedar, 5 ins. diam., bears S. $20^{\circ} E.$, 40 lks. dist., marked $\frac{1}{2}$ C 17 B 1.
80.20	500 ft. below ridge.
	The cor. of secs. 7, 8, 17, and 18.
	Land, mountainous.
	Soil, rocky; 4th rate.
	Timber, cedar and pinon pine.
	Good grass for grazing.
	Mountainous or heavily timbered land, 80.20 chs.

Subdivision of T.3 S. R.6 W.-Continued.

Chains

West, on a random line bet. secs. 7 and 18.

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

78.20 Intersect W. bdy. of Tp., 10 lks. S. of the cor. of secs. 7, 12, 13, and 18, heretofore described.

Thence I run

S. $89^{\circ}56'E.$, on a true line bet. secs. 7 and 18.

Over mountainous land; through heavy timber.

Descend.

14.00 Bottom of canon, 50 ft. below sec. cor., course S. $30^{\circ}E.$

Ascend abruptly over ledges.

38.20 Set a sandstone, 18x10x5 ins., 12 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; from which

A cedar, 10 ins. diam., bears N. $50^{\circ}E.$, 40 lks. dist., marked $\frac{1}{4}$ S 7 B T.

A pinon pine, 14 ins. diam., bears S. $45^{\circ}W.$, 55 lks. dist., marked $\frac{1}{4}$ S 18 B T.

78.20 700 ft. above canon.

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

Land, mountainous.

Soil, rocky; 4th rate.

Timber, cedar and pinon pine.

Undergrowth, sage brush in bottom of canon.

Good grass for grazing.

Mountainous or heavily timbered land, 78.20 chs.

N. $0^{\circ}4'W.$, bet. secs. 7 and 8.

Over mountainous land; through heavy timber.

Ascend abruptly over ledges.

15.00 Top of ridge, 200 ft. above sec. cor., bears E. and W.

Descend abruptly over ledges.

40.00 Set a sandstone, 18x10x5 ins., 12 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face; from which

Subdivision of T. 3 S., R. 4 E. - Continued

Chains A cedar, 14 ins. diam., bears N. 50° E., 48 lks. dist., marked 2 S 8 B T.

A pinon pine, 11 ins. diam., bears N. 86° W., 60 lks. dist., marked 1 S 7 B T.

62.25 Bottom of canon, 450 ft. below ridge, course S. 60° W.

Ascend abruptly over ledges.

80.00 Set a sandstone, 18x12x4 ins., 12 ins. in the ground, for cor. of secs. 5, 6, 7, and 8, marked with 5 notches on S., and E. edges; from which

A pinon pine, 5 ins. diam., bears N. 16° E., 42 lks. dist., marked T 3 S R 6 W S 5 B T.

A pinon pine, 8 ins. diam., bears S. 60° E., 50 lks. dist., marked T 3 S R 6 W S 6 B T.

A pinon pine, 11 ins. diam., bears S. 51° W., 47 lks. dist., marked T 3 S R 6 W S 7 B T.

80.00 A pinon pine, 6 ins. diam., bears N. 80° W., 45 lks. dist., marked T 3 S R 6 W S 8 B T.

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.

November 7, 1903.

November 8, 1903: At 8 h 3 m a.m., l.m.t., I set off 40° 15' N., on the lat. arc; 16° 18' S., on the decl. arc; and determine a meridian, with the solar, at the cor. of secs. 5, 6, 7, and 8. Thence I run

East, on a random line bet. secs. 5 and 8.

40.00 Set temp. & sec. cor.

80.06 Intersect N. and S. line, 14 lks. S. of the cor. of secs. 4, 5, 8, and 9.

Thence I run

S. 89° 54' W., on a true line bet. secs. 5 and 8.

Over mountainous land; through heavy timber.

Descend gradually.

Subdivision of T 3 S R 6 W -Continued

Chains

- 17.00 Begin abrupt descent over ledges, bears N. 30° E. and S. 30° W.
- 40.03 Set a sandstone, 16x10x6 ins., 11 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; from which
 A pinon pine, 6 ins. diam., bears N., 100 lks. dist., marked $\frac{1}{4}$ S 5 B T.
 A pinon pine, 7 ins. diam., bears S. 30° W., 75 lks. dist. marked $\frac{1}{4}$ S 8 B T.
- 67.00 Bottom of canon, 500 ft. below sec. cor., course S. 10° W.
 Ascend over ledges .
- 80.00 The cor. of secs. 5, 6, 7, and 8.
 Land, mountainous .
 Soil, gravelly and rocky; 3rd and 4th rate .
 Timber, cedar and pinon pine.
 Good grass for grazing.
 Mountainous or heavily timbered land, 80.06 chs.
-
- N. 89° 56' W., on a random line bet. secs. 6 and 7.
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 78.00 Intersect W. bdy. of Tp., 5 lks. S. of the cor. of secs. 1, 6, 7, and 12, heretofore described.
 Thence I run
 S. 89° 54' E., on a true line bet. secs. 6 and 7.
 Over mountainous land; through heavy timber.
 Descend . . .
- 12.00 Bottom of hollow, 200 ft. below sec. cor., course S. 10° W.
 Ascend over ledges.
- 35.00 Top of ridge, 400 ft. above canon, bears N. 60° E. and S. 60° W.
 Descend over ledges.
- 38.00 Set a sandstone, 18x7x4 ins., 12 ins. in the ground,

Subdivision of T 3 S R 6 W -Continued

- Chains for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; from which
- A cedar, 16 ins. diam., bears N. 30° W., 20 lks. dist., marked $\frac{1}{4}$ S 6 B T.
- A pinon pine, 9 ins. diam., bears S. 50° E., 22 lks. dist., marked $\frac{1}{4}$ S 7 B T.
- 78.00 The cor. of secs. 5, 6, 7, and 8.
Land, mountainous.
Soil, gravelly and rocky; 3rd and 4th rate.
Timber, cedar and pinon pine.
Good grass for grazing.
Mountainous or heavily timbered land, 78.00 chs.
-
- N. 0° 4' W., on a random line bet. secs. 5 and 6.
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 80.22 Intersect N. bdy. of Tp., 22 lks. S. 89° 57' W. of the cor. of secs. 5, 6, 31, and 32, heretofore described.
Thence I run
S. 0° 5' W., bet. secs. 5 and 6.
Over mountainous land; through heavy timber.
Over ledges.
Descend.
- 16.00 Bottom of hollow, 150 ft. below sec. cor., course W.
Ascend.
- 40.22 Set a sandstone, 16x10x4 ins., 11 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face; from which
- A pinon pine, 12 ins. diam., bears S. 80° E., 30 lks. dist., marked $\frac{1}{4}$ S 5 B T.
- A pinon pine, 10 ins. diam., bears W., 20 lks. dist., marked $\frac{1}{4}$ S 6 B T.
- 56.70 Top of spur, 250 ft. above hollow, bears N. 60° E. and S. 60° W.
Descend.
- 80.22 The cor. of secs. 5, 6, 7, and 8.

Subdivision of T 3 S R 6 W -Concluded.

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, 80.22 chs.

11 a m. November 8, 1903.

GENERAL DESCRIPTION.

This township is rolling in the southern part; mesa in the central part and very rough and ledgy in the northern part. And the soil ranges from sandy loam to stony ground. The soil on the mesas is generally sandy loam; 2nd rate; the rolling mountains in the southern part are, in general, sandy and gravelly; 2nd and 3rd rate.; while the northern part is mostly rocky; 4th rate.

There is no water in the township; but it is well adapted for winter and early spring grazing.

There are no settlers in the township.

There is no mineral in the township.

There is a heavy growth of cedar and pinon pine timber on almost the entire township.



U.S. Deputy Surveyors.

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FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by _____

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

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

showing the respective capacities in which they acted:

For final affidavits see book Z" Tp. 3 S R. 7 W _____, Chairman.

_____, Chairman.

_____, Moundman.

_____, Moundman.

_____, Arman.

_____, Arman.

_____, Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted _____

_____ United States Deputy Surveyor, in surveying all

those parts or portions of the _____

_____ of the _____

_____ meridian, _____ of _____, which are represented

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

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

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

General for _____

For final affidavits see book Z" Tp. 3 S R. 7 W _____, Chairman.

_____, Chairman.

_____, Moundman.

_____, Moundman.

_____, Arman.

_____, Arman.

_____, Flagman.

Subscribed and sworn to before me this _____ }

day of _____, 189 _____ }



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 _____ day of _____, 189 _____, I have well, faithfully, and truly, in my proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for _____, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of _____

For final affidavit see book Z" Tp. 3 S. R. 7 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 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 incur 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 _____ }



APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, August 22, _____

The foregoing field notes of the survey of the Subdivisional lines of Township No. 3 South, Range No. 6 West of the Uintah Special Base and Meridian in Utah, _____

executed by Andrew J. Stewart Jr. and Alfred L. Booth under ~~his~~ ^{their} contract No. 270, dated July 22, 1903, ~~xxx~~, having critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Edward Henderson
United States Surveyor

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

United States Surveyor

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BOOK A-318

FILED
JUL 17 1905

CORRECTIVE FIELD NOTES

OF THE SURVEY OF THE

SUBDIVISION

of

Township No. 3 South, Range No. 6 West,

Of the UTAH SPECIAL BASE AND Meridian,

STATE OF UTAH.

AS SURVEYED BY

Andrew J. Stewart Jr. and Alfred L. Booth, United States Deputy Surveyors,

under their Contract No. 270, dated July 22, 1905, 1905

Survey commenced April 27, 1905, 1905

Survey completed April 29, 1905, 1905

NAMES AND DUTIES OF ASSISTANTS.

John Kienke Chainman

Archie Walton Chainman

George W. Ekins Moundman

Quinby Stewart Moundman

John P. Madsen Axman

Richard Skousen Axman

Wm. Burridge Flagman

For foreman, affidavit see book 1 p. 35 R4 W.

BOOK A-318

INDEX DIAGRAM.

Township 35 South, Range 6 West

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20	20	28	27	6	20
				5	3
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Meanders Page.....

PRELIMINARY OATHS OF ASSISTANTS.

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

....., Chain

....., Chain

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



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

....., Mound

....., Mound

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



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

....., Ax

....., Ax

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



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

....., Flag

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



Corrective Notes of

Subdivision of T 3 S R 6 W -

Survey commenced April 27, 1905, and executed with a W. and L. E. Gurley light mountain transit, No. - with solar attachment. The horizontal limb is provided with two double verniers placed opposite to each other, reading to single minutes of arc; which is also the least count of the verniers of the latitude and declination arcs.

The instrument was examined, tested on the meridian at Salt Lake City, found correct, and was approved by the surveyor general for Utah, on April 1, 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 observations made during p.m. and a.m. hours with a meridian established by observation on Polaris, I proceed as follows:

At the cor. of secs. 1, 2, 35, and 36, on S. bdy. of Tp., latitude $40^{\circ} 10' 41''$ N., longitude $110^{\circ} 33' 15''$ W., I set off $40^{\circ} 11'$ N., on the lat. arc; $13^{\circ} 51'$ N., on the decl. arc; and at 3 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.

April 27, 1905.

April 28, 1905: At 5 h 53 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 on a wooden plug driven in the ground, 5.00 chs. N. of the cor.

At 6 h 58 m a.m., l.m.t., I lay off the azimuth of Polaris $1^{\circ} 34'$ to the west, and mark a point in the meridian thus determined by cutting a small groove in the stone, already set 5.00 chs. N. of the cor.; this mark falls 0.37 ins. east of the meridian established by the solar.

Subdivision of T.3 S., R.6 W.—Continued.

Chs. At 7 h 2 m a.m., l.m.t., I set off $40^{\circ}11'N.$, on the lat. arc. $14^{\circ}05'N.$, 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 meridian established by Polaris observation. The solar apparatus by p.m. and a.m. observations defines positions for meridians respectively about $0'19''$ west and $0'20''$ east of the meridian established by observation on Polaris; 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 $N.16^{\circ}40'W.$, the angle thus determined gives the mag. decl. $16^{\circ}40'E.$,

From the cor. of secs. 1, 2, 35, and 36, on S. bdy. of Tp., which is a sandstone, $5 \times 12 \times 4$ ins., above ground, firmly set, and mkd. and witnessed as described in the original field notes.

Thence I run

$N.0^{\circ}1'W$ bet. secs. 35 and 36.

40.00 The $\frac{1}{4}$ sec. cor. bet. secs. 35 and 36, on line, described properly in the original field notes.

80.40 The cor. of secs. 25, 26, 35, and 36, on line.

I move the cor. 40 lks. S. and

Set a sandstone, $18 \times 6 \times 6$ ins., 12 ins. in the ground, for cor. of secs. 25, 26, 35, and 36, mkd. with 1 notch on S., and E. edges; from which

A pinon pine, 6 ins. dia., bears $N.51^{\circ}E.$, 33 lks. dist.. mkd. T 3 S R 6 W S 25 B T.

A pinon pine, 9 ins. dia., bears $S. 20^{\circ}30'E.$, 30 lks. dist.. mkd. T 3 SR 6 W B 36 B T.

A pinon pine, 14 ins. dia., bears $S.74^{\circ}45'W.$, 126 lks. dist.. mkd. T 3 S R 6 W S 35 B T.

Corrective Notes of
 Subdivision of T.3 S., R.6 W.-Continued.

Chs. A cedar, 6 ins. dia., bears N. 33° 45' W., 100 lks.
 dist..mkd. T 3 S R 6 WS 26 B T.

Note: I destroy all traces of the old cor.

Note: There is no change in topography on this mile.

N. 89° 54' E., on a random line bet. secs. 25 and 36.

40.00 Fall 27 lks. S. of $\frac{1}{4}$ sec. cor.

80.26 Intersect E. edy. of Tp., 37 lks. N. of the cor. of secs. 25, 30,
 31, and 36.

Thence I run

N. 89° 50' W., on a true line bet. secs. 25 and 36.

40.13 Set a sandstone, 15x12x12 ins., 10 ins. in the ground, for
 $\frac{1}{4}$ sec. cor..mkd. $\frac{1}{4}$ on N. face; from which

A pinon pine, 5 ins. dia., bears N. 22° E., 100
 lks. dist..mkd. $\frac{1}{4}$ S 25 B T.

A pinon pine, 5 ins. dia., bears S. 41° W., 32 lks.
 dist..mkd. $\frac{1}{4}$ S 36 B T.

Note: I destroy all traces of the old cor.

80.26 The cor. of secs. 25, 26, 35, and 36.

Note: No change in topography on this mile.

N. 0° 1' W., bet. secs. 25 and 26.

39.25 The $\frac{1}{4}$ sec. cor. bet. secs. 25 and 26.

I move the cor. 75 lks. E. and at

40.00 Set a sandstone, 18x12x4 ins., 12 ins. in the ground, for
 $\frac{1}{4}$ sec. cor..mkd. $\frac{1}{4}$ on W. face; from which

A cedar, 6 ins. dia., bears S. 1° 30' E., 200 lks.
 dist..mkd. $\frac{1}{4}$ S 25 B T.

A cedar, 6 ins. dia., bears S. 16° W., 159 lks.
 dist..mkd. $\frac{1}{4}$ S 26 B T.

Note: I destroy all traces of the old cor.

Corrective Notes of

Subdivision of T.3 S., R.6 W.-Continued

Chs.

- 80.00 Fall 30 lks. East of the cor. of secs. 23, 24, 25, and 26.
I move the cor. 30 lks. E. and
Set a sandstone³, 18x12x6 ins., 12 ins. in the ground, for
cor. of secs. 23, 24, 25, and 26, mkd. with 2 notches on S. and
1 notch on E. edges; from which
- A cedar, 9 ins. dia., bears N. 6° E., 155 lks.
dist. mkd. T 3 S R 6 W S 24 B T.
- A cedar, 4 ins. dia., bears S. 10° E., 235 lks.
dist. mkd. T 3 S R 6 W S 25 B T.
- A cedar, 4 ins. dia., bears S. 76° 15' W., 214 lks.
dist. mkd. T 3 S R 6 W S 26 B T.
- A cedar, 12 ins. dia., bears N. 42° 45' W., 283 lks.
dist. mkd. T 3 S R 6 W S 23 B T.
- Note: I destroy all traces of the old cor.
- April 28, 1905: At this cor. I set off 14° 08' N., on the decl.
arc; and at 11h 57m a.m., l.m.t., I observe the sun on the
meridian the resulting lat. is 40° 12' N., which is the proper
lat. nearly.
- N. 89° 46' E., on a random line bet. secs. 24 and 25.
- 39.70 Fall 17 lks. N. of $\frac{1}{4}$ sec. cor.
- 80.50 Intersect E. bdy. of Tp., 32 lks. N. of the cor. of secs. 19,
24, 25, and 30.
Thence I run
West, on a true line bet. secs. 24 and 25.
- 40.25 Set a sandstone, 16x9x6 ins., 11 ins. in the ground, for
 $\frac{1}{4}$ sec. cor., mkd. $\frac{1}{4}$ on N. face; from which
- A pinon pine, 14 in. dia., bears S. 18° E., 100 lks
dist. mkd. $\frac{1}{4}$ S-25 B-T.
- A ledge, bears N. 3 lks. dist. mkd. + B O. S 24
- Note: I destroy all traces of the old cor.
- 80.50 The cor. of secs. 23, 24, 25, and 26.

Corrective Notes of

Subdivision of T.3 S. R.6 W.-Continued.

Chs. Note: No change in topography on this mile.

N. 0° 1' W., bet. secs. 23 and 24.

39.80 Fall 5 lks. E. of $\frac{1}{2}$ sec. cor.

I move the cor. 5 lks. E. and 60 lks. N. and at

40.00 Set a sandstone, 16x10x6 ins., 11 ins. in the ground, for $\frac{1}{2}$ sec. cor. mkd. $\frac{1}{2}$ on W. face; and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor.

Note: I destroy all traces of the old cor.

80.00 The cor. of secs. 13, 14, 23, and 24, on line, which is a sandstone, 3x10x6 ins., above ground, firmly set,; from which

A pinon pine, 14 ins. dia., bears N. 51° 30' E., 43 lks. dist. mkd. T 3 S R 6 W S 13 B T.

A cedar, 24 ins. dia., bears S. 66° E., 152 lks. dist. mkd. T 3 S R 6 W S 24 B T.

A pinon pine, 5 ins. dia., bears S. 12° 30' W., 46 lks. dist. mkd. T 3 S R 6 W S 23 B T.

A pinon pine, 10 ins. dia., bears N. 87° 15' W., 41 lks. dist. mkd. T 3 S R 6 W S 14 B T.

Note: There is no change in topography on this mile.

From the cor. of secs. 26, 27, 34, and 35, which is sandstone, 6x14x6 ins., above ground, firmly set; and mkd. and witnessed as described in the original field notes.

Thence I run

East, on a random line bet. secs. 26 and 35.

40.00 Fall 5 lks. S. of $\frac{1}{2}$ sec. cor.

80.20 Intersect N. and S. line 23 lks. S. of the cor. of secs. 25, 26, 35, and 36.

Corrective Notes of

Subdivision of T.3 S., R.6 W.-Continued.

- Chs. Thence I run
 S.89°50'W., on a true line bet. secs. 26 and 35.
- 40.10 Set a sandstone, 18x8x6 ins., 12 ins. in the ground, for
 $\frac{1}{4}$ sec. cor. mkd. $\frac{1}{4}$ on N. face; from which
 A cedar, 10 ins. dia., bears N.85°E., 19 lks.
 dist. mkd. $\frac{1}{4}$ S 26 B T.
 A pinon pine, 24 ins. dia., bears S.21°W., 92
 lks. dist. mkd. $\frac{1}{4}$ S 35 B T.
- Note: I destroy all traces of the old cor.
- 80.20 The cor. of secs. 26, 27, 34, and 35.
 Note: No change in topography.
-
- N.0°2'W., bet. secs. 26 and 27.
- 40.50 The $\frac{1}{4}$ sec. cor. bet. secs. 26 and 27.
 I move the cor. 50 lks. S. and
 Set a sandstone, 20x12x6 ins., 15 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.
 Note: I destroy all traces of the old cor.
- 80.30 The cor. of secs. 22, 23, 26, and 27.
 I move the cor. 30 lks. S. and
 Set a sandstone, 20x14x8 ins., 15 ins. in the ground, for
 cor. of secs. 22, 23, 26, and 27, mkd. with 2 notches on S., and
 E. edges; from which
 A cedar, 6 ins. dia., bears N.2°30'E., 276 lks.
 dist. mkd. T 3 S R 6 W S 23 B T.
 A pinon pine, 12 ins. dia., bears S.10°45'E., 65
 lks. dist. mkd. T 3 S R 6 W S 26 B T.
 A pinon pine, 8 ins. dia., bears S.56°30'W., 132
 lks. dist. mkd. T 3 S R 6 W S 27 B T.
 A cedar, 5 ins. dia., bears N.67°45'W., 79 lks.
 dist. mkd. T 3 S R 6 W S 22 B T.
- Note: I destroy all traces of the old cor.

Corrective Notes of

Subdivision of T.3 S..R.6 W.--Continued.

Chs. Note:No change in topography.

April 28,1905.

April 29,1905.At 7 h 3 m a.m.,l.m.t.,I set off $40^{\circ}12'N.$,
on the lat.arc; $14^{\circ}24'N.$,on the decl.arc;and determine
a meridian,with the solar,at the cor.of secs.

22,23,26, and 27.

Thence I run

East,on a random line bet.secs.23 and 26.

40.10 Fall 15 lks.S.of $\frac{1}{4}$ sec.cor.

80.44 Intersect N.and S.line,10 lks.S.of the cor.of secs.

23,24,25, and 26.

Thence I run

S. $89^{\circ}56'W.$,on a true line bet.secs.23 and 26.

40.22 Set a sandstone, 16x12x4 ins.,11 ins.in the ground,for

$\frac{1}{4}$ sec.cor..mkd. $\frac{1}{4}$ on N.face;from which

A pinon pine,6 ins.dia.,bears N. $39^{\circ}45'E.$,33
lks.dist..mkd. $\frac{1}{4}$ S 23 B T.

A pinon pine,8 ins.dia.,bears S. $9^{\circ}15'W.$,138
lks.dist..mkd. $\frac{1}{4}$ S 26 B T.

Note:destroy all traces of the old cor.

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

Note:No change in topography .

N. $0^{\circ}2'W.$,bet.secs.22 and 23.

40.17 Fall 3 lks.E.and $\frac{1}{4}$ Sec .cor.

I move the cor.17 lks.S.and 3 lks.E.and

Set a sandstone,18x12x4 ins.,E ins.in the ground,for

$\frac{1}{4}$ sec.cor..mkd. $\frac{1}{4}$ on W.face;from which

A pinon pine,7 ins.dia.,bears N. $75^{\circ}15'E.$,20
lks.dist..mkd. $\frac{1}{4}$ S 23 B T.

A pinon pine,18 ins.dia.,bears S. $82^{\circ}30'W.$,133

Corrective Notes of
Subdivision of T.3 S., R.6 W. - Continued.

Chs.	1ks. dist. .mkd. $\frac{3}{4}$ S 22 B T.
	Note: I destroy all traces of the old cor.
80.00	The cor. of secs. 14, 15, 22, and 23, on line which is sandstone 5x9x6 ins., above ground, firmly set; from which A cedar, 16 ins. dia., bears N. 54° 30' E., 85 lks. dist. .mkd. T 3 S R 6 W S 14 B T. A cedar, 6 ins. dia., bears S. 19° 50' E., 400 lks. dist. .mkd. T 3 S R 6 W S 23 B T. A cedar, 8 ins. dia., bears S. 69° 20' W., 125 lks. dist. .mkd. T 3 S R 6 W S 22 B T. A cedar, 8 ins. dia., bears N. 32° 40' W., 74 lks. dist. .mkd. T 3 S R 6 W S 15 B T.
	Note: No change in topography.
	—————
	N. 89° 50' E., on a random line bet. secs. 14 and 23.
39.97	Fall 3 lks. N. of $\frac{1}{4}$ sec. cor.
80.20	Intersect N. and S. line, at the cor. of secs. 13, 14, 23, and 24. Thence $\frac{1}{4}$ run S. 89° 50' W., on a true line bet. secs. 13 and 24.
40.10	Set a sandstone, 20x18x5 ins., 15 ins. in the ground, for $\frac{1}{4}$ sec. cor. .mkd. $\frac{1}{4}$ on N. face; from which A pinon pine, 12 ins. dia., bears N. 60° E., 171 lks. dist. .mkd. $\frac{1}{4}$ S 14 B T. A pinon pine, 5 ins. dia., bears S. 54° 30' E., 57 lks. dist. .mkd. $\frac{1}{4}$ S 23 B T.
	Note: I destroy all traces of the old cor.
80.20	The cor. of secs. 14, 15, 22, and 23. Note: No change in topography.
	—————

Corrective Notes of

Subdivision of T.3 S., R.6 W.-Continued.

- Chs.
- From the cor. of secs. 21, 22, 27, and 28, which is a sandstone
5x13x5 ins., above ground, firmly set, and mkd. and witnessed
as described in the original field notes.
- I run
N. 89° 55' E., on a random line bet. secs. 22 and 27.
- 39.98 Fall 15 lks. N. of $\frac{1}{4}$ sec. cor.
- 80.12 Intersect N. and S. line, 23 lks. S. of the cor. of secs. 22, 23, 26, and 27.
- Thence, I run
S. 89° 45' W., on a true line bet. secs. 22 and 27.
- 40.06 Set a limestone, 16x14x8 ins., 11 ins. in the ground, for
 $\frac{1}{4}$ sec. cor. mkd. $\frac{1}{4}$ on N. face; from which
A cedar, 6 ins. dia., bears N. 20° E., 124 lks.
dist. mkd. $\frac{1}{4}$ C 22 B T.
- No other tree within limits; raise a mound of stone,
2 ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor.
- Note: I destroy all traces of the old cor.
- Note: The above is the correct description of this cor.
after it was moved when the Examiner was in the field
as per his certificate of July 8, 1905.
- 80.12 The cor. of secs. 21, 22, 27, and 28.
- Note: No change in topography.

April 29, 1905.

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

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FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

List of the names of the individuals employed by _____

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

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

_____ the respective capacities in which they acted:

Chainman.

Chainman.

Moundman.

Final affidavit sub book 10 J. S. R. G. Jr

Moundman.

Arman.

Arman.

Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted _____

United States Deputy Surveyor, in surveying all

_____ parts or portions of the _____

_____ of the _____

_____ meridian, _____ of _____, which are represented

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

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

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

_____ for _____

Chainman.

Chainman.

Moundman.

Final affidavit sub book 10 J. S. R. G. Jr

Moundman.

Arman.

Arman.

Flagman.

_____ subscribed and sworn to before me this _____

_____ day of _____, 190 _____



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BOOK A-318

FILED
APR 6 1904

FIELD NOTES

OF THE SURVEY OF THE
WEST AND NORTH BOUNDARIES

of

Township No. 2 South, Range No. 6 West,

Of the UTAH SPECIAL BASE AND Meridian,

UTAH.

AS SURVEYED BY

Andrew J. Stewart Jr. and Alfred L. Booth United States Deputy Surveyors

their

under Contract No. 270, dated July 22, 1903. 190

Survey commenced October 28, 1903. 190

Survey completed October 31, 1903. 1903

W. B. ... 579.80
N " " 576.80

NAMES AND DUTIES OF ASSISTANTS.

..... Hyrum G. Smith Chainman

..... Harvey R. Booth Chainman

..... Israel Muhlestein Moundman

..... Enoch Muhlestein Moundman

..... George Stevens Axman

..... Hyrum E. Johnson Axman

..... Don W. Meldrum Flagman

..... For preliminary affidavits see book *F. Tp. 2 S. R. 4 W*

BOOK A-318

INDEX DIAGRAM.

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Meanders Page.....

PRELIMINARY OATHS OF ASSISTANTS.

We, and do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level chains, over sea and in even 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 are measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey

..... Chain
..... Chain

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



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

..... Mound
..... Mound

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



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

..... Ax
..... Ax

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



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

..... Flag

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



Chains

Survey commenced October 28, 1903: And executed with a Young and Sons light mountain transit, No. 7381, 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 Tps. 2 and 3 S., Rs. 6 and 7 W., latitude $40^{\circ}15'54''$ N., longitude $110^{\circ}38'54''$ W., I set off $40^{\circ}16'$ N. on the lat. arc; $12^{\circ}55'$ C., on the decl. arc; and at 4 h 3 m p.m., l.m.t., determine with the solar, a meridian, and mark a point thereof on a stone set firmly in the ground, 5.00 chs. N. of the cor.

At 5 h 5 m p.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.

October 28, 1903.

October 29, 1903. At 7 h 30 m a.m., l.m.t., I lay off the azimuth of Polaris $1^{\circ}34.8'$ to the west, and mark the meridian thus determined, by cutting a groove in the stone already set 5.00 chs. N. of the cor.; this mark falls 0.36 ins. east of the meridian determined with the solar.

West boundary of T. 2 S., R. 6 W. -Continued

Chains At 8 h 3 m a.m., l.m.t., l set off $40^{\circ}16'N.$, on the lat. arc; $13^{\circ}9'S.$, 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 0.4 ins. east of the meridian established by Polaris observation.

The solar apparatus by p.m. and a.m. observations, defines positions for meridians respectively about $0'19''$ west and $0'21''$ 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 8 h 30 m a.m., is $N.16^{\circ}42'W.$, the angle thus determined, gives the mag. decl. $16^{\circ}42'E.$

North, bet. secs. 31 and 36.

Over mountainous land; through heavy timber.

Ascend abruptly over ledges from 10 ft. to 50 ft. high.

18.00 Top of ridge, 600 ft. above sec. cor., bears E. and W.
Descend over ledges.

38.00 Bottom of hollow, 450 ft. below ridge, course W.
Ascend over ledges.

40.00 Set a sandstone, $18 \times 11 \times 4$ ins., 12 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face; from which

A pinon pine, 8 ins. diam., bears $N.65^{\circ}E.$, 34 lks. dist., marked $\frac{1}{4}$ S 31 B T.

A pinon pine, 7 ins. diam., bears $S.70^{\circ}W.$, 42 lks. dist., marked $\frac{1}{4}$ S 36 B T.

50.00 Top of spur, 200 ft. above hollow, projects W. . .
Descend over ledges.

55.00 Bottom of hollow, 250 ft. below spur, course $S.80^{\circ}W.$
Ascend over ledges.

West boundary of T 2 S .R 6 W.-Continued.

Chains

80.00 Set a sandstone, 18x12x4 ins., 12 ins. in the ground, for cor. of secs. 25, 30, 31, and 36, marked with 5 notches on N. and 1 notch on S. edges; from which

A pinon pine, 10 ins. diam., bears N. 20° E., 30 lks. dist., marked T 2 S R 6 W S 30 B T.

A pinon pine, 8 ins. diam., bears S. 60° E., 70 lks. dist., marked T 2 S R 6 W S 31 B T

A cedar, 14 in. diam., bears S. 40° W., 30 lks. dist., marked T 2 S R 7 W S 36 B T.

A pinon pine, 10 ins. diam., bears N. 30° W., 25 lks. dist., marked T 2 S R 7 W S 25 B T.

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.

North, bet. secs. 25 and 30. .

Over mountainous land; through heavy timber.

Ascend abruptly over ledges from 10 ft. to 100 ft. high.

8.00 Top of divide ridge, between Strawberry and DuChesne River systems, 400 ft. above sec. cor., bears E. and W. Descend gradually . Leave ledges.

40.00 Set a sandstone, 16x9x6 ins., 11 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face; from which

A pinon pine, 8 ins. diam., bears S. 85° E., 98 lks. dist., marked $\frac{1}{4}$ S 30 B T.

A pinon pine, 10 ins. diam., bears S. 80° W., 120 lks. dist., marked $\frac{1}{4}$ S 25 B T.

57.00 Bottom of hollow, 300 ft. below ridge, course E. Ascend .

65.00 Top of ridge, 100 ft. above hollow, bears NE and SW.

Chains	Descend.
80.00	Set a sandstone, 18x8x6 ins., 12 ins. in the ground, for cor. of secs. 19, 24, 25, and 30, marked with 4 notches on N. and 2 notches on S. edges; from which A pinon pine, 6 ins. diam., bears N. 44° E., 110 lks. dist., marked T 2 S R 6 W S 19 B T. A pinon pine, 4 ins. diam., bears S. 63° E., 95 lks. dist., marked T 2 S R 6 W S 30 B T. A pinon pine, 5 ins. diam., bears S. 26° W., 120 lks. dist., marked T 2 S R 7 W S 25 B T. A pinon pine, 5 ins. diam., bears N. 73° W., 81 lks. dist., marked T 2 S R 7 W S 24 B T. 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.
	North, bet. secs. 19 and 24. Over mountainous land; through heavy timber. Descend.
40.00	Set a sandstone, 24x12x6 ins., 18 ins. in the ground, for $\frac{1}{2}$ sec. cor., marked $\frac{1}{2}$ on W. face; from which A pinon pine, 24 ins. diam., bears E., 60 lks. dist., marked $\frac{1}{2}$ S 19 B T. A pinon pine, 24 ins. diam., bears S. 86° W., 36 lks. dist., marked $\frac{1}{2}$ S 24 B T.
50.00	Begin rapid descent toward DuChesne River, bears N. 80° E. and S. 80° W..
77.00	Foot of descent, 1000 ft., below sec. cor., bears E. and W. Leave cedar and pinon pine timber and enter scattering cottonwood timber and dense undergrowth of sage and rabbit brush, bears E. and W.

West boundary of T.2 S., R.6 -Continued.

- Chains Enter bottom of DuChesne River Canon.
- 80.00 Set a sandstone, 18x10x7 ins., 12 ins. in the ground, for cor. of secs. 13, 18, 19, and 24, marked with 3 notches on N. and 3 notches on S. edges; from which
- A cottonwood, 8 ins. diam., bears N. 20° E., 175 lks. dist., marked T 2 S R 6 W S 18 B T.
 - A cottonwood, 6 ins. diam., bears S. 45° E., 88 lks. dist., marked T 2 S R 6 W S 19 B T.
 - A cottonwood, 6 ins. diam., bears S. 84° W., 22 lks. dist., marked T 2 S R 7 W S 24 B T.
 - A cottonwood, 10 ins. diam., bears N. 39° W., 90 lks. dist., marked T 2 S R 7 W S 13 B T.
- Land, mountainous and level.
- Soil, sandy loam and rocky; 2nd and 4th rate.
- Timber, cedar, pinon pine, and cottonwood.
- Undergrowth, sage and rabbit brush.
- Good grass for grazing.
- Mountainous or heavily timbered land, or land covered with dense undergrowth, 80.00 chs.
- October 29, 1903: At this cor. I set off 13° 14' S, 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° 19' N.
-
- North, bet. secs. 13 and 18.
- Over level canon bottom; through scattering cottonwood timber and dense sage and rabbit brush.
- .30 Enter dense willows, hull berry brush, rose bushes, and haws, bears E. and W.
- 5.75 Right bank of the DuChesne River, rocky bottom, rapid current, 1 ft. deep, course E.
- 6.75 Left bank of DuChesne River.
- 7.50 Leave timber and willows, bullberry brush, rose bushes, and haws, and enter dense sage and rabbit

West boundary of T. 2 S., R. 6 W. -Continued.

Chains brush, bears E. and W.

12.40 Enter cottonwood timber, bears E. and W.

13.00 Leave timber, bears E. and W.

19.50 Heber-Vernal road, bears E. and W.

22.00 Leave undergrowth and enter heavy timber, bears E. and W.

. Leave canon bottom, bears E. and W.

. Ascend abruptly over ledges.

40.00 Set a sandstone, 16x8x4 ins., 11 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face; from which

. A pinon pine, 8 ins. diam., bears S. 40° E., 29 lks. dist., marked $\frac{1}{4}$ S 18 B T.

. A pinon pine, 12 ins. diam., bears S. 82° W., 37 lks. dist.; marked $\frac{1}{4}$ S 13 B T.

80.00 Set a sandstone, 24x10x10 ins., 18 ins. in the ground, for cor. of secs. 7, 12, 13, and 18, marked with 2 notches on N. and 4 notches on S. edges; from which

. A pinon pine, 10 ins. diam., bears N. 49° E., 41 lks. dist., marked T 2 S R 6 W S 7 B T.

. A pinon pine, 20 ins. diam., bears S. 35° E., 36 lks. dist., marked T 2 S R 6 W S 18 B T.

. A pinon pine, 20 ins. diam., bears S. 56° W., 49 lks. dist., marked T 2 S R 7 W S 13 B T.

. A pinon pine, 10 ins. diam., bears N. 63° W., 90 lks. dist., marked T 2 S R 7 W S 12 B T.

Land, mountainous and level.

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

Timber, cedar, pinon pine, and cottonwood.

Undergrowth, sage brush, rabbit brush, willows, bull berry brush, rose bushes, and haws.

Good grass for grazing.

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

West boundary of T. 2 S., R. 6 W. -Continued.

Chains

North, bet. secs. 7 and 12.

Over mountainous land; through heavy timber.

Ascend over a series of ledges.

17.00 Top of ridge, 300 ft. above sec. cor., and 1700 ft. above
DuChesne River bottom, bears E. and W.

Descend over ledges.

40.00 400 ft. below ridge.

Set a sandstone, 16x10x5 ins., 11 ins. in the ground,
for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face; from which

A pinon pine, 14 ins. diam., bears N. 62° E.,
26 lks. dist., marked $\frac{1}{4}$ S 7 B T.

A pinon pine, 16 ins. diam., bears N. 86° W.,
60 lks. dist., marked $\frac{1}{4}$ S 12 B T.

45.00 Bottom of hollow, 650 ft. below ridge, course W.

Leave ledges, bears E. and W.

Ascend abruptly.

80.00 Set a sandstone, 24x10x10 ins., 18 ins. in the ground,
for cor. of secs. 1, 6, 7, and 12, marked with 1 notch
on N. and 5 notches on S. edges; from which

A pinon pine, 18 ins. diam., bears N. 62° E., 65
lks. dist., marked T 2 S R 6 W S 6 B T.

A pinon pine, 14 ins. diam., bears S. 28° E., 20
lks. dist., marked T 2 S R 6 W S 7 B T.

A pinon pine, 8 ins. diam., bears S. 50° W., 47
lks. dist., marked T 2 S R 7 W S 12 B T.

A pinon pine, 24 ins. diam., bears N. 45° W., 42
lks. dist., marked T 2 S R 7 W S 1 B T.

This cor. is 600 ft. above hollow.

Land, mountainous.

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

Timber, cedar and pinon pine.

Good grass for grazing.

Mountainous or heavily timbered land, 80.00 chs.

West boundary of T. 2 S., R. 6 W. -Continued.

Chains

North, bet. secs. 1 and 6.

Over mountainous land; through heavy timber.

Ascend .

36.00 Top of ridge, 400 ft. above sec. cor., bears NW and SE.

Descend .

40.00 Set a sandstone, 24x8x5 ins., 18 ins. in the ground,
for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face; from which

A pinon pine, 4 ins. diam., bears N. 30° 30' E.,
35 lks. dist., marked $\frac{1}{4}$ S 6 B T.

A cedar, 4 ins. diam., bears S. 80° W., 100 lks.
dist., marked $\frac{1}{4}$ S 1 B T.

79.80 Set a sandstone, 30x14x12 ins., 22 ins. in the ground,
for cor. of Tps. 1 and 2 S., Rs. 6 and 7 W., marked with
1 S on NE; 6 W on SE; 2 S on SW; and 7 W on NW faces;
with 6 notches on each edge; from which

A pinon pine, 10 ins. diam., bears N. 78° E., 48
lks. dist., marked T 1 S., R. 6 W S 31 B T.

A pinon pine, 10 ins. diam., bears S. 45° E., 60
lks. dist., marked T 2 S R 6 W S 6 B T.

A pinon pine, 10 ins. diam., bears S. 45° W., 40
lks. dist., marked T 2 S R 7 W S 1 B T.

A pinon pine, 14 ins. diam., bears N. 30° W., 23
lks. dist., marked T 1 S R 7 W S 36 B T.

Land, mountainous .

Soil, rocky; 4th rate.

Timber, cedar and pinon pine.

Good grass for grazing.

Mountainous or heavily timbered land, 79.80 chs.

October 29, 1903.

October 30, 1903: At 8 h 4 m a.m. l.m.t., I set off

North boundary of T. 2 S. R. 6 W. -Continued

Chains

40° 21' N., on the lat. arc; 13° 29' S., on the decl. arc;
and determine a meridian with the solar, at the cor.
of Tps. 1 and 2 S., Rs. 5 and 6 W., heretofore described.
Thence I run

West, on a random line along north boundary of
T. 2 S., R. 6 W., setting temp. $\frac{1}{4}$ sec. and sec. cors. at
intervals of 40.00 chs., and at 476.80 chs., intersect
W. bdy. of Tps. 139 lks. North of the cor. of Tps. 1 and
2 S., Rs. 6 and 7 W.; the falling answers to a correc-
tion of 10' or 23 lks. N. per mile counting from the
cor. of Tps. 1 and 2 S., Rs. 6 and 7 W.

October 30, 1903: At this cor. I set off 13° 34' S., on the
decl. arc; and at 0 h 2 m p.m., l.m.t., observe the sun
on the meridian, the resulting lat. is 40° 21' N., which
is the proper lat. nearly.

Thence I run

N. 89° 50' E., on a true line bet. secs. 6 and 31.

Over mountainous land; through heavy timber.

Descend abruptly over a series of ledges from 10 ft.
to 100 ft. high.

25.00 Bottom of canon, 400 ft. below cor., course S. 30° E.

Ascend abruptly over ledges.

36.80 Set a sandstone, 16x10x8 ins., 11 ins. in the ground,
for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; from which

A cedar, 14 ins. diam., bears N. 20° E., 55 lks.
dist., marked $\frac{1}{4}$ S 31 B T.

A cedar, 8 ins. diam., bears S. 31° E., 83 lks.
dist., marked $\frac{1}{4}$ S 6 B T.

60.00 Top of ridge, 600 ft. above canon, bears N. and S.

Descend over ledges.

76.80 Set a sandstone, 18x10x10 ins., 12 ins. in the ground,
for cor. of secs. 5, 6, 31; and 32; marked with 5 notches

North boundary of T. 2 S., R. 6 W -Continued

Chains on E. and 1 notch on W. edges; from which

A pinon pine, 12 ins. diam., bears N. 75° E., 30
 lks. dist., marked T. 1 S. R. 6 W S 32 B T.

A pinon pine, 10 ins. diam., bears S. 80° E., 55
 lks. dist., marked T 2 S R 6 W S 5 B T.

A pinon pine, 14 ins. diam., bears S. 25° W., 75
 lks. dist., marked T. 2 S R 6 W S 6 B T.

A pinon pine, 14 ins. diam., bears N. 60° W., 100
 lks. dist., marked T. 1 S R 6 W S 31 B T.

Land, mountainous, very rough.

Soil, rocky; 4th rate.

Timber, cedar and pinon pine.

Good grass for grazing.

Mountainous or heavily timbered land, 76.80 chs.

N. 89° 50' E., on a true line bet. secs. 5 and 32.

Over mountainous land; through heavy timber.

Descend .

23.00 Bottom of hollow, 150 ft. below sec. cor., course S. 80°
 E.

Ascend .

40.00 Set a sandstone, 24x12x4 ins., 18 ins. in the ground,
 for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; from which

A pinon pine, 24 ins. diam., bears N. 65° W., 24
 lks. dist., marked $\frac{1}{4}$ S 32 B T.

A pinon pine, 12 ins. diam., bears S. 30° W., 80
 lks. dist., marked $\frac{1}{4}$ S 5 B T.

50.00 Top of ridge, 200 ft. above hollow, bears N. 70° W. and
 S. 40° E.

Descend .

75.00 Leave timber, bears N. and S.

80.00 Set a sandstone, 16x8x8 ins., 11 ins. in the ground,
 for cor. of secs. 4, 5, 32, and 33, marked with 4 notches

North boundary of T 2 S R 6 W -Continued

Chains on E. and 2 notches on W. edges; and raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high, ^{NW or} N. of cor.

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 true line bet. secs. 4 and 33.

Over mountainous land; through dense undergrowth.

Descend . .

4.00 Bottom of hollow, 50 ft. below sec. cor., course SE.

Ascend .

5.00 Enter heavy timber, bears NW and SE.

32.00 Top of ridge, 250 ft. above hollow, bears N. 20° W. and S. 20° E.

Descend .

40.00 Set a sandstone, 18x8x6 ins., 12 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; from which

A cedar, 15 ins. diam., bears N. 56° W., 110 lks. dist., marked $\frac{1}{4}$ S 33 B. T.

A pinon pine, 24 ins. diam., bears S. 28° W., 67 lks. dist., marked $\frac{1}{4}$ S 4 B. T.

45.25 Bottom of hollow, 250 ft. below ridge, course S.

Ascend .

52.00 Top of ridge, 200 ft. above hollow, bears N. and S.

Descend .

54.00 Bottom of hollow, 200 ft. below ridge, course S. 10° W.

Ascend .

80.00 Set a sandstone, 18x10x8 ins., 12 ins. in the ground, for cor. of secs. 3, 4, 33, and 34, marked with 3 notches E., and W. edges; from which

A pinon pine, 6 ins. diam., bears N. 55° E., 48

North boundary of T. 2 S. R. 6 W -Continued.

Chains

lks. dist. marked T 1 S. R 6 W S 34 B T.
 A pinon pine, 14 ins. diam., bears S. 75° E., 120
 lks. dist., marked T. 2 S R 6 W S 3 B T.
 A cedar, 8 ins. diam., bears S. 43° W., 35 lks.
 dist., marked T 2 S R 6 W S 4 B T.
 A pinon pine, 15 ins. diam., bears N. 15° W., 16
 lks. dist., marked T 1 S R 6 W S 33 B T.

Land, mountainous;

Soil, gravelly and rocky; 3rd 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, 80.00 chs.

October 30, 1903.

October 31, 1903: At 8 h 4 m a.m., l.m.t., I set off
 40° 21' N., on the lat. arc; 13° 48' S., on the decl. arc;
 and determine a meridian, with the solar, at the cor.
 of secs. 3, 4, 33, and 34.

Thence I run

N. 89° 50' E., on a true line bet. secs. 3 and 34.

Over mountainous land; through heavy timber.

Ascend.

1.50 Top of ridge, 20 ft. above sec. cor., bears N. and S.

Descend over a series of ledges.

26.50 Bottom of hollow, 450 ft. below ridge, course S.

Ascend.

31.00 Top of spur, 400 ft. above hollow, projects as S.

Descend.

40.00 Set a sandstone, 18x10x5 ins., 12 ins. in the ground,
 for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; from which

A pinon pine, 18 ins. diam., bears N. 67° E.,

North boundary of T 2 S ,R 6 W -Continued

Chains. 20 lks.dist.,marked $\frac{1}{4}$ S 34 B T.
 A pinon pine,14 ins.diam.,bears S.15°E.,34
 lks.dist.,marked $\frac{1}{4}$ S 3 B T.

48.00 Bottom of hollow,300 ft.below ridge,course S.
 Ascend .

72.00 Top of ridge,250 ft.above hollow,bears N.and S.
 Descend .

80.00 Set a sandstone,18x9x5 ins.,12 ins.in the ground,
 for cor.of secs.2,3,34,and 35,marked with 2 notches
 on E.and 4 notches on W.edges;from which

A pinon pine,8 ins.diam.,bears N.31°E.,32
 lks.dist.,marked T1 S.,R 6 W S 35 B T.

A cedar,6 ins.diam.,bears S.25°E.,29 lks.
 dist.,marked T 2 S R 6 W S 2 B T.

A pinon pine,12 ins.diam.,bears S.22°W.,48
 lks.dist.,marked T 2. S R 6 W S 3 B T.

A pinon pine,9 ins.diam.,bears N.71°W.,29
 lks.dist.,marked T 1 S R 6 W S 34 B T.

Land,mountainous.
 Soil,sandy and rocky;3rd and 4th rate.
 Timber,cedar and pinon pine.
 Good grass for grazing.
 Mountainous or heavily timbered land,80.00 chs.

N.80° 50'E.,on a true line bet.secs.2 and 35.
 Over mountainous land;through heavy timber .
 Descend over a series of ledges.

20.00 Bottom of hollow,300 ft.below sec.cor.,course S.
 Ascend .

30.00 Leave ledges,bears NW and SE.

40.00 Top of ridge,350 ft.above hollow,bears NE and SE. .
 Set a sandstone,15x9x8 ins. ,10 ins.in the ground,
 for $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on N.face;from which

North boundary of T. 2 S., R. 6 W. - Continued.

Chains
 . A pinon pine, 8 ins. diam., bears N. 60° W., 24
 lks. dist., marked $\frac{1}{4}$ S 35 B T.
 . A pinon pine, 30 ins. diam., bears S. 62° E.,
 33 lks. dist., marked $\frac{1}{2}$ S 2 B T.
 80.00 Set a sandstone, 18x11x4 ins., 12 ins. in the ground,
 for cor. of secs. 1, 2, 35, and 36, marked with 1 notch
 on E. and 5 notches on W. edges; from which
 . A pinon pine, 18 ins. diam., bears N. 65° E., 60
 lks. dist., marked T. 1 S R 6 W S 36 B T.
 . A pinon pine, 18 ins. diam., bears S. 60° E., 72
 lks. dist., marked T 2 S R 6 W S 1 B T.
 . A red pine, 18 ins. diam., bears S. 32° E., 90
 lks. dist., marked T 2 S R 6 W S 2 B T.
 . A pinon pine, 17 ins. diam., bears N. 45° E., 35
 lks. dist., marked T 1 S R 6 W S 35 B T.

land, mountainous.

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

Timber, cedar and pinon pine.

Good grass for grazing.

Mountainous or heavily timbered land, 80.00 cts.

N. 89° 50' E., on a true line bet. secs. 1 and 36.

Over mountainous land; through heavy timber .

Descend .

1.00 Leave timber, bears N. and S.

22.50 Bottom of hollow, 600 ft. below sec. cor., course S. 20° E .

Ascend .

32.00 Top of ridge, 700 ft. above hollow, bears N. and S. .

Enter scattering timber, bears N. and S.

Descend.

40.00 Set a sandstone, 18x10x6 ins., 12 ins. in the ground,
 for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; from which

A pinon pine, 8 ins. diam., bears N. 60° W., 15

North boundary of T. 2 S. R. 6 W. -Concluded.

Chains	1ks.dist.,marked $\frac{1}{4}$ S 36 B T. A pinon pine,10 ins.diam.,bears S.15°E.,20 1ks.dist.,marked $\frac{1}{4}$ S 1 B T.
47.00	Bottom of hollow,600 ft.below ridge,course S.20°E. Ascend over ledges.
57.00	Top of ridge,600 ft.above hollow,bears N.and S. Descend .
64.00	Foot of descent,650 ft.below ridge,bears N.and S. Leave ledges and timber,bears N.and S. Enter dense undergrowth,bears N.and S. Enter bottom of Rock Creek Canon.
66.25	Old road,bears N.and S. Enter heavy cottonwood,timber,bears N.and S.
73.00	Right bank of Rock Creek,rapid current,rocky bottom, 2 ft.deep,course S. Leave timber,bears N.and S.
73.40	Left bank of Rock Creek .
80.00	The cor.of Tps.1 and 2 S.,Rs.5 and 6 W. Land,mountainous and level. Soil,sandy loam and gravelly;2nd and 3rd rate. Timber,cedar,pinon pine,and cottonwood. Undergrowth,sage brush and greasewoods and willows. Good grass for grazing. Mountainous or heavily timbered land,or land covered with dense undergrowth,80.00 chs. October 31,1903:At this cor.I set off 13°54'S.,on the decl.arc;and at 0 h 2 m p.m.,1.m.t.,I observe the sun on the meridian,the resulting lat,is 40°21'N., which is the proper lat.nearly.

October 31,1903.

Boundaries of T 2 S. R 6 W -Concluded

Latitudes, departures, and closing errors.

Line designated	true bearing	dist- ance chs.	latitudes		Departures	
			N. chs.	S. chs.	E. chs.	W. chs.
W.bdy.T.2 S.,R.6 W.	North	479.80	479.80			
N.bdy.T.2 S.,R.6 W.	N.89° 50' E.	476.80	1.39		476.80	
E.bdy.T.2 S.,R.6 W.	South	479.80		479.80		
S.bdy.T.2 S.,R.6 W.	S.89° 57' W.	477.86		.42		477.
Convergency						.61
Totals			481.19	480.22	477.41	477.
Error in lat.			480.22			477.
Error in dep.			.97			

GENERAL DESCRIPTION.

This township is very rough and precipitious .
It is well watered and well timbered, and well
adapted for grazing. It should be subdivided.

Alfred L. Booth
U.S. Deputy Surveyor.

October 31, 1903.

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

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

showing the respective capacities in which they acted:

For final affidavits see book 212 Tp. 2 S R. 7 W, Chainman.
Chainman.
Moundman.
Moundman.
Axman.
Axman.
Flagman.

FINAL OATH OF ASSISTANTS.

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

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

For final affidavits see book 212 Tp. 2 S R. 7 W, Chainman.
Chainman.
Moundman.
Moundman.
Axman.
Axman.
Flagman.

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



FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

United States Deputy Surveyor,
I have, in pursuance of a contract received from
bearing date of
190 , I have, well, faithfully, and truly, in my
strict conformity with the instructions furnished by the United States Surveyor
General for
the Manual of Surveying Instructions, and the laws of
I have surveyed all the parts or portions of
For final affidavit see book Z Ep. C S R. T. W

of the
meridian, in the
of
which are represented in
the following field notes 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
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

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL.

Salt Lake City, Utah, August 22, 1903

The foregoing field notes of the survey of the West and North Boundaries of Twp. No. 2 South, Range No. 6 West of the Uintah Special Base and Meridian.

Reviewed by Major J. Stewart, Jr. and Alfred L. Booth,
and by me No. 370 dated July 22, 1903, having
noted the same, and the necessary corrections and explanations made, the said field notes, and
certificates thereto, are hereby approved.

James H. Woodruff
United States Surveyor Gen

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

United States Surveyor Gen

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FIELD NOTES

OF THE SURVEY OF THE

SUBDIVISION

of

Township No. 2 South, Range No. 6 West

Of the UTAH SPECIAL BASE AND Meridian,

UTAH

AS SURVEYED BY

Andrew J. Stewart Jr. and Alfred L. Booth, United States Deputy Surveyors,

their

under his Contract No. 270, dated July 22, 1903.

Survey commenced October 31, 1903.

Survey completed November 11, 1903.

Handwritten signature or initials

NAMES AND DUTIES OF ASSISTANTS.

Hyrum G. Smith	Chainman
Harvey R. Booth	Chainman
Israel Muhlestein	Moundman
Enoch Muhlestein	Moundman
George Stevens	Axman
Hyrum E. Johnson	Axman
Don W. Meldrum	Flagman

For preliminary affidavits see book A-318 p. 2, 3, 4, 5.

BOOK A-318

INDEX DIAGRAM.

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

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

Meanders Page.....

PRELIMINARY OATHS OF ASSISTANTS.

WE, _____ and _____ do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level chain over even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; we will report the true distances to all notable objects, and the true lengths of all lines that we are 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 }



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 }



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 }



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 }



Subdivision of T 2 S R 6 W

Survey commenced October 31, 1903. And executed with a Young and Sons light, mountain transit, No. 7381, 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 $40^{\circ}15'54''N.$, longitude $110^{\circ}33'15''W.$, I set off $40^{\circ}16'N.$, on the lat. arc; $13^{\circ}55'S.$ on the decl. arc; and at 4 h 3 m p.m., l.m.t., Determine a meridian with the solar, and mark a point thereof on a stone firmly set in the ground, 5.00 chs. N. of the cor.

At 4 h 53 m p.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 cor.

October 31, 1903..

November 1, 1903: At 7 h. 30 m a.m., l.m.t., I lay off the azimuth of Polaris $1^{\circ}34.8'$ to the west and mark a point in the meridian thus determined, by cutting a small groove in the stone, already set 5.00 chs. N. of the cor.; this mark falls 0.34 ins.

Subdivision of T 2 S . R 6 W -Continued

Chains east of the mark determined with the solar.

At 8 h 3 m a.m., l.m.t., I set off $40^{\circ}16'N.$, on the lat. arc; $14^{\circ}8'S.$, on the decl. arc; and mark a point in the meridian determined with the solar, by a cross on the stone already set 5.00 chs. N. of the cor.; this mark falls 0.3 ins. east of the meridian established by observation on Polaris.

The solar apparatus by p.m. and a.m. observations, defines positions for meridians respectively about $0'18''$ 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 8 h 40 m a.m., l.m.t., is $N.16^{\circ}42'W.$, the angle thus determined, gives the mag. decl. $16^{\circ}42'E.$

From the cor. of secs. 1, 2, 35, and 36, on S. bdy. of Tp., heretofore described.

Thence I run

$N.0^{\circ}1'W.$, bet. secs. 35 and 36.

Over mountainous land; through heavy timber.

Ascend abruptly

15.00 Top of ascent, 100 ft. above sec. cor., bears E. and W.

Thence over mesa.

Descend gradually

40.00 Set a sandstone, $16 \times 10 \times 5$ ins., 11 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face; from which

A pinon pine, 15 ins. diam., bears $N.57^{\circ}30'E.$,

100 lks. dist., marked $\frac{1}{4}$ S 36 B T

A pinon pine, 5 ins. diam., bears $S.82^{\circ}W.$, 67

lks. dist., marked $\frac{1}{4}$ S 35 B T.

45.00 Leave mesa, bears NE and SW. Descend abruptly.

80.00 Set a sandstone, $20 \times 12 \times 5$ ins., 15 ins. in the ground,

Subdivision of T 2 S E 6 W -Continued

Chains for cor. of secs. 25, 26, 35, and 36, marked with 1 notch on S. and 1 notch on E. edges; from which

A pinon pine, 10 ins. diam., bears N. 49° E., 99 lks. dist., marked T 2 S., R. 6 W. S. 25 B T.

A pinon pine, 4 ins. diam., bears S. 41° E., 40 lks. dist., marked T 2 S R 6 W S 36 B T.

A pinon pine, 5 ins. diam., bears S. 51° W., 40 lks. dist., marked T 2 S R 6 W S 35 B T.

A pinon pine, 8 ins. diam., bears N. 47° W., 82 lks. dist., marked T 2 S R 6 W S 26 B T.

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° 57' E., on a random line bet. secs. 25 and 36.

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

80.18 Intersect E. bdy. of Tp. 10 lks. N. of the cor. of secs. 25, 30, 31, and 36, heretofore described.

Thence 1 run

N. 89° 59' W., on a true line bet. secs. 25 and 36.

Over mountainous land; through heavy timber.

Ascend.

15.00 Top of ridge, 400 ft. above sec. cor., bears N. 10° E. and S. 10° W. Leave heavy and enter scattering timber.

Descend.

25.00 Bottom of hollow, 500 ft. below ridge, course N. 20° E.

Ascend.

40.09 Set a sandstone, 20x12x6 ins., 15 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.

48.00 Top of perpendicular ledge, 100 ft. high, bears N. 10° E.

Subdivision of T. 2 S. R. 6 W. -Continued.

Chai ns	and S. 10° W.
53.00	Top of ascent, 1000 ft. above hollow, bears N. 10° E. and S. 10° W.
	Thence over rolling mesa.
	Enter heavy timber, bears N. 10° E. and S. 10° W.
72.00	Leave mesa, bears N. 10° E. and S. 10° W.
	Descend .
80.18	The cor. of secs. 25, 26, 35, and 36.
	Land, mountainous and level.
	Soil, sandy and rocky; 2nd and 4th rate.
	Timber, cedar and pinon pine.
	Good grass for grazing.
	Mountainous, or heavily timbered land, 80.18 chs.
	<hr/>
	N. 0° 1' W., bet. secs. 25 and 26.
	Over mountainous land; through heavy timber.
	Descend .
35.00	Leave heavy and enter scattering timber; bears E. and W.
40.00	Set a sandstone, 14 x 15 x 5 ins., 10 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face; and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor.
47.50	Bottom of canon, 1000 ft. below sec. cor., course S. 80° E.
	Ascend abruptly .
48.00	Enter ledges., bears N. 80° W. and S. 80° E.
72.50	Top of ascent, 1000 ft. above canon, bears N. 80° E. and S. 80° W.
	Leave ledges, bears N. 80° E. and S. 80° W.
	Enter heavy timber, bears N. 80° E. and S. 80° W.
	Thence over mesa.
80.00	Set a sandstone, 16 x 15 x 4 ins., 11 ins. in the ground, for cor. of secs. 23, 24, 25, and 26, marked with 2 notches on S. and 1 notch on E. edges; from which A pinon pine, 8 ins. diam., bears N. 24° E., 35

Subdivision of T 2 S R 6 W -Continued

Chairs

lks. dist., marked T 2 S R 6 W S 24 B T.

A. pinon pine, 8 ins. diam., bears S. 14° E., 20

lks. dist., marked T 2 S R 6 W S 25 B T.

A. pinon pine, 12 ins. diam., bears S. 12° W., 19

lks. dist., marked T 2 S R 6 W S 26 B T.

A. pinon pine, 10 ins. diam., bears N. 60° W.,

20 lks. dist., marked T 2 S R 6 W S 23 B T.

Land, mountainous and level.

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.

November 1, 1903: At this cor. I set of 14° 13' S., 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° 18' N. which is the proper lat. nearly.

S. 89° 50' E., on the random line bet. secs. 24 and 25.

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

80.02 Intersect E. bdy. of Tp., 12 lks. S. of the cor. of secs. 19, 24, 25, and 30, heretofore described.

Thence I run

S. 89° 56' W., on a true line bet. secs. 24 and 25.

Over mountainous land; through heavy timber.

Ascend abruptly over ledges.

26.75 Top of ascent, 400 ft. above sec. cor., bears N. 30° W. and S. 30° E.

Thence over rolling mesa.

Leave heavy timber and enter scattering timber and dense undergrowth, bears N. 30° W. and S. 30° E.

40.01 Set a sandstone, 18x12x5 ins., 12 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; and raise a mound

See Corrective
Notes Page 1
Bk. 10.

See Corrective
Notes Page 1
Bk. 10

See Corrective
Notes Page 1
Bk. 10

Subdivision of T. 2 S., R. 9 W. - Continued

Chains of stone, 2 ft. base, 1 1/2 ft. high, N. of cor.
 45.00 Leave mesa, bears N. 30° W. and S. 30° E.
 Descend.
 50.50 Bottom of hollow, 300 ft. below mesa, course S. 25° E.
 Ascend .
 53.00 Top of ascent, 300 ft. above hollow, bears N. and S.
 Thence over mesa.
 80.02 The cor. of secs. 23, 24, 25, and 26.
 Land, mountainous and level.
 Soil, 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, 80.02 chs.

N. 0° 1' W., bet .secs. 23 and 24.

Over rolling mesa; through heavy timber.

33.50 Edge of mesa, bears E. and W. From here the line descends
 precipitous mountain which cannot be chained, therefore

Set a sandstone, 15x10x4 ins., 10 ins. in the ground,
 for witness cor. to $\frac{1}{2}$ sec. cor., marked W. C. $\frac{1}{2}$ on W. face;
 From which

A pinon pine, 10 ins. diam., bears S. 75° E., 51
 lks. dist., marked W C $\frac{1}{2}$ S 24 B T.

A pinon pine, 8 ins. diam., bears S. 62° W., 46
 lks. dist., marked W C $\frac{1}{2}$ S 23 B T.

It is difficult to get a base for triangulation
 at this point; therefore I set a flag on line in
 bottom of DuChesne River Canon and one at this point,
 I then measure a base east from the flag in bottom
 of DuChesne River Canon, 25.00 chs; from this point
 the flag at top of mountain bears S. 30° 15' W.,

See Corrective
 Notes Page 2
 Bk. 10

See Corrective
 Notes Page 2
 Bk. 10

Subdivision of T. 2 S., R. 6 W. -Continued

- Chains Got $30^{\circ}15'$ = 1.71475'
 base = $\frac{25.00}{42.87}$ chs. which added to
 33.50 chs. makes,
- 76.37 To flag in bottom of DuChesne River Canon, 1200 ft. below mesa. From this point I measure south to determine distance to edge of canon, which counting from cor. of secs. 23, 24, 25, and 26, is
- 75.30 Foot of descent, bears N. 75° E. and S. 75° W.
 Leave timber and enter dense undergrowth, bears N. 75° E. and S. 75° W.
 Thence across level canon bottom.
- 80.00 Set a sandstone, 14x10x6 ins., 9 ins. in the ground, for cor. of secs. 13, 14, 23, and 24, marked with 3 notches on S. and 1 notch on E. edges; and raise a mound of stone, 7 ft. base, 1 1/2 ft. high, W. of cor.
 Land, mountainous.
 Soil, sandy loam and gravelly and rocky; 2nd, 3rd, and 4th rate.
 Timber, cedar and pinon pine.
 Undergrowth, willows, bull berry brush, and rabbit brush.
 Good grass for grazing.
 Mountainous or heavily timbered land, or land covered with dense undergrowth, 80.00 chs.
-
- N. $80^{\circ}50'$ E., on a random line bet. sec. 13 and 24.
- 40.00 Set temp. 2 sec. cor.
- 72.98 Intersect E. bdy. of Tp., 23 lks. S. of the cor. of secs. 13, 14, 18, and 24, heretofore described.
 Thence I run
 S. $89^{\circ}46'$ W., on a true line bet. secs. 13 and 24.
 Over rolling mesa; through heavy timber.
- 7.00 Leave mesa, bears N. 45° W. and S. 45° E.
 Descend abruptly over ledges.

*See Correct
 Notes Page 2
 10/10*

*See Correct
 Notes Page 2
 10/10*

Subdivision of T. 2 S., R. 6 W. -Continued

Chains

- 19.00 Foot of descent, 300 ft. below mesa, bears N. 75° W. and S. 75° E.
 Leave timber and enter dense undergrowth, bears N. 75° W. and S. 75° E.
- 19.25 E. side of corral, bears NW and SE.
- 21.00 Leave corral, bears NW and SE.
- 33.00 Heber-Vernal road, bears N. 75° W. and S. 75° E.
- 39.99 Set a sandstone, 15x12x8 ins., 10 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; 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.
- 63.50 Left bank of DuChesne River, rocky bottom, rapid current, 1 $\frac{1}{2}$ ft. deep, course S. 40° E.
- 65.00 Right bank of River.
- 79.98 The cor. of secs. 13, 14, 23, and 24.
 Land , mountainous and level.
 Soil, sandy loam and rocky; 2nd and 4th rate.
 Timber, cedar and pinon pine.
 Undergrowth, sage brush , rabbit brush, willows, and haws.
 Good grass for grazing.
 Mountainous or heavily timbered land, or land covered with dense undergrowth, 79.98 chs.

November 1, 1903.

November 2, 1903: At 8 h 3 m a.m., 1.m.t., I set off 40° 19' N., on the lat. arc; 14° 27' S., 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° 1' W., bet. secs. 13 and 14.

Over level cañon bottom; through dense undergrowth.

See Corrective Notes Page 2 Ch. 13

See Corrective Notes Page 3 Ch. 10

Subdivision of T. 2 S R 6 W -Continued

Chains

- 6.40 Right bank of DuChesne River, rocky bottom, 1½ ft. deep, course NE.
- 7.30 Left bank of DuChesne River.
- 11.20 Heber-Vernal Road, bears E. and W.
- 20.00 Gully, 60 lks. wide, 15 ft. deep, course S. 20° E.
- 20.50 Leave canon bottom, bears E. and W.
 Leave undergrowth and enter scattering timber, bears E. and W.
 Ascend .
- 22.50 Foot of perpendicular ledge, 40 ft. high, bears E. and W.
 Thence over a series of ledges, bears E. and W.
- 40.00 Set a sandstone, 16x10x7 ins., 11 ins. in the ground, for ¼ sec. cor., marked ¼ on W. face; from which
 A pinon pine, 14 ins. diam., bears S. 20° E., 115 lks. dist., marked ¼ S 13 B T.
 A pinon pine, 10 ins. diam., bears S. 15° W., 23 lks. dist., marked ¼ S 14 B T.
- 54.75 Top of steep ascent, 800 ft. above canon, bears N. 85° W. and S. 85° E. Leave ledges, bears N. 85° W. and S. 85° E. Thence ascend more gradually.
- 55.00 Enter heavy timber, bears E. and W.
- 80.00 Set a sandstone, 18x8x7 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 pinon pine, 9 ins. diam., bears N. 71° E., 102 lks. dist., marked T 2 S R 6 W S 12 B T.
 A pinon pine, 9 ins. diam., bears S. 60° E., 65 lks. dist., marked T 2 S R 6 W S 13 B T.
 A pinon pine, 10 ins. diam., bears S. 43° W., 69 lks. dist., marked T 2 S R 6 W S 14 B T.
 A pinon pine, 5 ins. diam., bears N. 25° W., 74 lks. dist., marked T 2 S R 6 W S 11 B T.
- Land, mountainous and level.

*See Correct
 Notes Page
 Bk. 10*

*See Correct
 Notes Page
 Bk. 10*

Subdivision of T. 2 S., R. 6 W. -Continued.

Chains Soil, sandy loam and rocky; 2nd and 4th rate.
 Timber, cedar and pinon pine.
 Undergrowth, willows, bull berry brush, and rabbit brush.
 Good grass for grazing.
 Mountainous or heavily timbered land, or land covered
 with dense undergrowth, 80.00 chs.

N. 89° 46' E., on a random line bet. secs. 12 and 13.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 80.18 Intersect E. bdy. of Tp., 14 lks. S. of the cor. of secs.
 7, 12, 13, and 16, heretofore described.
 Thence I run
 S. 89° 40' W., on a true line bet. secs. 12 and 13.
 Over mountainous land; through heavy timber. Ascend.
 22.70 Trail, bears N. and S.
 25.00 Top of ridge, 600 ft. above sec. cor., bears N. 20° W.
 and S. 20° E.
 Descend.
 40.09 Set a sandstone, 15x8x5 ins., 10 ins. in the ground,
 for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; from which
 A pinon pine, 14 ins. diam., bears N. 5° W., 50
 lks. dist., marked $\frac{1}{4}$ S. 12 B. T.
 A pinon pine, 11 ins. diam., bears S. 15° W., 60
 lks. dist., marked $\frac{1}{4}$ S. 13 B. T.
 57.00 Bottom of hollow, 300 ft. below ridge, course S.
 Ascend.
 80.18 The cor. of secs. 11, 12, 13, and 14.
 Land, mountainous.
 Soil, gravelly and rocky; 4th and 3rd rate.
 Timber, cedar and pinon pine.
 Good grass for grazing.
 Mountainous or heavily timbered land, 80.18 chs.
 November 2, 1903: At this cor. I set off 14° 33' S., on

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 26.10

Subdivision of T 2 S. R. 6 W. -Continued.

Chains the decl. arc; and at 0 h 2 m p.m., l.m.t., observe the sun on the meridian, the resulting lat. is $40^{\circ}19'N.$, which is the proper lat. nearly.

N. $0^{\circ}1'W.$, bet. secs. 11 and 12.

Over mountainous land; through heavy timber .

Ascend . . .

15.00 Top of spur, 150 ft. above sec. cor., projects E. . .

Descend .

24.50 Bottom of hollow, 100 ft. below spur, course SE.

Ascend .

32.50 Top of divide ridge between DuChesne River and Rock Creek canons, 150 ft. above hollow, bears E. and W.

Descend . Leave timber, bears E. and W.

34.50 Trail, bears E. and W.

40.00 Set a sandstone, 18x13x4 ins., 12 ins. in the ground, for $\frac{1}{2}$ sec. cor., marked $\frac{1}{2}$ on W. face; and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor.

55.00 Bottom of hollow, 300 ft. below ridge, course E.

Ascend . . .

59.00 Enter scattering timber, bears E. and W.

70.00 Top of spur, 200 ft. above hollow, projects N. . .

Descend .

71.00 Leave timber, bears E. and W.

80.00 Set a sandstone, 18x9x7 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; and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor.

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.

Subdivision of T. 2 S., R. 6 W. -Continued

Chains	N. 89° 40' E., on a random line bet. secs. 1 and 12.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
<u>80.20</u>	Intersect E. bdy. of Tp., 23 lks. N. of the cor. of secs. 1, 6, 7, and 12, heretofore described.
	Thence I run
	S. 89° 50' W., on a true line bet. secs. 1 and 12.
	Over level mesa; through heavy timber.
2.00	Leave mesa, bears N. and S.
	Descend abruptly over ledges.
5.00	Foot of descent, 300 ft. below mesa, bears N. and S.
	Leave ledges and timber and enter dense undergrowth, bears N. and S.
	Enter bottom Rock Creek Canon,
5.20	Left bank of Rock Creek, rocky bottom, rapid current, 1 ft. deep, course S.
6.00	Right bank of Rock Creek.
9.00	Old road, bears N. and S.
16.00	Leave canon bottom, bears N. and S.
	Leave undergrowth and enter scattering timber, bears N. and S.
	Ascend.
24.00	Top of spur, 250 ft. above canon bottom, projects S. 60° E.
	Descend.
39.20	Bottom of canon, 250 ft. below spur, course S. 65° E.
	Ascend.
40.10	Set a sandstone, 18x10x4 ins., 12 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; from which
	A pinon pine, 8-ins. diam., bears N. 60° E., 78 lks. dist., marked $\frac{1}{4}$ S 1 B T.
	A pinon pine, 12 ins. diam., bears S. 35° E., 19 lks. dist., marked $\frac{1}{4}$ S 12 B T.
55.00	Leave timber, bears N. 60° W. and S. 60° E.
<u>80.20</u>	The cor. of secs. 1, 2, 11, and 12.
	Land, mountainous.

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See Corrective notes Page 5 bk. 10

Subdivision of T 2 S R 6 W -Continued

- Chains Soil, gravelly and rocky; 3rd and 4th rate.
Timber, cedar and pinon pine.
Undergrowth, sage brush and rabbit brush.
Good grass for grazing.
- Mountainous or heavily timbered land, or land covered
with dense undergrowth, 80.20 chs.
-
- N. 0° 1' W., bet. secs. 1 and 2.
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 80.06 Intersect. N. bdy. of Tp., 25 lks. W., of the cor. of secs.
1, 2, 35, and 36, heretofore described.
Thence I run
S. 0° 10' W., on a true line bet. secs. 1 and 2.
Over mountainous land; through dense undergrowth
and scattering timber.
Ascend .
- 10.50 Top of ridge, 100 ft. above sec. cor., bears E. and W.
Descend ;
- 27.00 Bottom of hollow, 200 ft. below ridge, course S. 60° E.
Ascend .
- 40.06 Set a sandstone, 18x12x4 ins., 12 ins. in the ground,
for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face; from which
A pinon pine, 10 ins. diam., bears N. 34° E., 37
lks. dist., marked $\frac{1}{4}$ S 1 B T.
A pinon pine, 9 ins. diam., bears S. 50° W., 18
lks. dist., marked $\frac{1}{4}$ S 2 B T.
- 54.00 Top of spur, 200 ft. above hollow, projects E.
Descend .
- 56.00 Leave timber, bears E. and W.
- 67.50 Bottom of hollow, 250 ft. below spur, course S. 75° E.,
Ascend .
- 80.06 The cor. of secs. 1, 2, 11, and 12.
Land, mountainous.

Subdivision of T. 2. S., R. 6. W. -Continued,

Chains Soil, gravelly and rocky; 3rd and 4th rate.
 Timber, cedar and pinon pine;
 Undergrowth, sage brush.
 Good grass for grazing.
 Mountainous land, or land covered with dense under-
 growth, 80.06 chs.

November 2, 1903.

November 3, 1903: At 8 h 3 m a.m., l.m.t., I set off
 40° 16' N., on the lat. arc; 14° 46' S., on the decl. arc;
 and determine a meridian with the solar, at the cor.
 of secs. 2, 3, 34, and 35, on S. bdy. of Tp., heretofore
 described.

Thence I run

N. 0° 2' W., bet. secs. 34 and 35.

Over mountainous land; through heavy timber and scat-
 tering undergrowth.

Ascend abruptly over a series of sandstone ledges,
 from 10 ft. to 100 ft. high.

13.50 Top of divide ridge, between Strawberry River and
 DuChesne River Systems, 500 ft. above sec. cor., bears
 E. and W.

Descend abruptly.

26.20 Bottom of hollow, 350 ft. below ridge course NE.
 Ascend . . .

40.00 Set a sandstone, 15x12x8 ins., 10 ins. in the ground,
 for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face; from which

A pinon pine, 12 ins. diam., bears S. 75° E., 68
 lks. dist., marked $\frac{1}{4}$ S 35 B T.

A pinon pine, 8 ins. diam., bears S. 85° W., 25
 lks. dist., marked $\frac{1}{4}$ S 34 B T..

53.00 Top of ridge, 300 ft. above hollow, bears NE and SW.

Subdivision of T 2 S R 6 W -Continued

Chains Descend gradually .

80.00 Set a sandstone, 20x12x8 ins., 15 ins. in the ground, for cor. of secs. 26, 27, 34, and 35, marked with 1 notch on S. and 2 notches on E. edges; from which

A cedar, 12 ins. diam., bears N. 51° E., 112 lks dist., marked T 2 S R 6 W S 26 B T.

A pinon pine, 8 ins. diam., bears S. 43° E., 50 lks. dist., marked T 2 S R 6 W S 35 B T.

A cedar, 6 ins. diam., bears S. 30° W., 44 lks. dist., marked T 2 S R 6 W S 34 B T.

A pinon pine, 10 ins. diam., bears N. 85° W., 30 lks. dist., marked T 2 S R 6 W S 27 B T.

Land, mountainous very rough.

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

Timber, cedar and pinon pine.

Undergrowth, sage brush.

Good grass for grazing.

Mountainous or heavily timbered, land, 80.00 chs.

N. 89° 57' E., on a random line, bet. secs. 26 and 35 .

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

80.00 Intersect N. and S. line, 3 lks. S. of the cor. of secs. 25, 26, 35, and 36.

Thence 1 run

S. 89° 56' W., on a true line bet. secs. 26 and 35.

Over mountainous land; through heavy timber .

Descend .

13.75 Bottom of hollow, 350 ft. below sec. cor., course N.

Ascend .

40.00 Set a sandstone, 18x9x7 ins., 12 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; from which

A cedar, 9 ins. diam., bears N. 50° E., 67 lks. dist., marked $\frac{1}{4}$ S 26 B T.

Subdivision of T. 2 S., R. 6 W. -Continued

Chains	A pinon pine, 10 ins. diam., bears S. 35° W., 19 lks. dist., marked $\frac{1}{4}$ S, 35 B T.
53.00	Top of ridge, 300 ft. above hollow, bears NE and SW. Descend gradually.
80.00	The cor. of secs. 26, 27, 34, and 35. Land, mountainous. Soil, rocky; 4th rate. Timber, cedar and pinon pine. Good grass for grazing. Mountainous or heavily timbered land, 80.00 chs.
	N. 0° 2' W., bet secs. 26 and 27.
50.00	Over mountainous land; through heavy timber. Descend. Leave heavy and enter scattering timber, bears E. and W.
40.00	Set a sandstone, 24x24x12 ins., 18 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.
41.00	Bottom of canon, 1000 ft. below sec. cor., course E. Ascend over ledges.
80.00	Set a sandstone, 18x9x7 ins., 12 ins. in the ground, for cor. of secs. 22, 23, 26, and 27, marked with 2 notches on S. and 2 notches on E. edges; and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor. 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. November 3, 1903: At this cor. I set off 14° 52' S., on the decl. arc; and at 0 h 2 m p.m., l.m.t., observe the sun on the meridian, the resulting lat. is 40° 18' N., which is the proper lat. nearly.

Subdivision of T. 2 S., R. 6 W. -Continued

Chains

N. 89° 56' E., on a random line bet. secs. 23 and 26.

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

79.82 Intersect N. and S. line, 14 lks. S. of the cor. of secs. 23, 24, 25, and 26.

Thence 1 run

S. 89° 50' W., on a true line bet. secs. 23 and 26.

Over rolling mesa; through heavy timber.

39.91 Set a sandstone, 16x10x8 ins., 11 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; from which

A pinon pine, 8 ins. diam., bears N. 15° W., 52 lks. dist., marked $\frac{1}{4}$ S 23 B T.

A pinon pine, 8 ins. diam., bears S. 21° E., 30 lks. dist., marked $\frac{1}{4}$ S 26 B 1.

70.00 Leave mesa, bears N. 60° W. and S. 60° E.

Leave heavy timber and enter scattering timber, bears N. 60° W. and S. 60° E.

Descend over ledges.

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

Land, mountainous and rolling mesa.

Soil, sandy loam and gravelly and rocky; 2nd, 3rd, and 4th rate.

Timber, cedar and pinon pine.

Good grass for grazing.

Mountainous or heavily timbered land, 79.82 chs.

N. 0° 2' W., bet. secs. 22 and 23.

Over mountainous land; through heavy timber.

Ascend over ledges.

5.00 Top of ascent, 100 ft. above sec. cor., bears E. and W.

Leave ledges, bears E. and W.

Thence over rolling mesa.

35.00 Leave mesa, bears E. and W.

Subdivision of T. 2 S., R. 6 W. -Continued

Chains	Descend abruptly over ledges.
40.00	Set a sandstone, 14x9x5 ins., 9 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face; from which <p style="margin-left: 40px;">A red pine, 5 ins. diam., bears N. 80° E., 20 lks. dist., marked $\frac{1}{4}$ S 23 B T. A pinon pine, 10 ins. diam., bears N. 80° W., 50 lks. dist., marked $\frac{1}{4}$ S 22 B T.</p>
70.00	Foot of descent, 1200 ft. below mesa, bears N. 70° W. and S. 70° E. <p style="margin-left: 40px;">Leave timber and enter dense undergrowth, bears N. 70° W. and S. 70° E. Enter bottom of DuChesne River Canon.</p>
80.00	Set a sandstone, 18x7x7 ins., 12 ins. in the ground, for cor. of secs. 14, 15, 22, and 23, marked with 3 notches on S. and E. notches on E. edges; and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor. <p style="margin-left: 40px;">Land, mountainous and level. Soil, sandy loam and rocky; 2nd and 4th rate. Timber, cedar and pinon pine. Undergrowth, sage brush, willows, and rabbit brush. Good grass for grazing. Mountainous or heavily timbered land, or land covered with dense undergrowth, 80.00 chs.</p>

	N. 89° 50' E., on a random line bet. secs. 14 and 23.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
79.70	Intersect N. and S. line, 23 lks. S. of the cor. of secs. 13, 14, 23, and 24. <p style="margin-left: 40px;">Thence I run S. 89° 40' W., on a true line bet. secs. 14 and 23. Over level river bottom; through dense undergrowth.</p>
14.75	Right bank of DuChesne River, gravelly bottom, 1 $\frac{1}{2}$ ft. deep, course N. 50° E.

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of 10.*

Subdivision of T. 2 S., R. 6 W. -Continued

Chains	
16.25	Left bank of DuChesne River.
27.00	Left bank of DuChesne River, gravelly bottom, 1½ ft. deep, course S. 30° E.
28.00	Right bank of River.
39.85	Set a sandstone, 14x12x10 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.
79.70	The cor. of secs. 14, 15, 22, and 25. Land, level. Soil, sandy loam; 2nd rate. No timber... Undergrowth, sage brush, willows, bull berry brush, rabbit brush, rose bushes, greasewoods, and hawc. Good grass for grazing. Land, covered with dense undergrowth, 79.70 chs.

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*See Cor. Notes
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November 3, 1903.

November 4, 1903: At 8 h 2 m a.m., l.m.t., I set off 40° 19' N., on the lat. arc; 15° 5' S., on the decl. arc; and determine a meridian, with the solar, at the cor. of secs. 14, 15, 22, and 25.

Thence I run

N. 0° 2' W., bet. secs. 14 and 15.

Over level canon bottom; through dense undergrowth.

5.60	Right bank of DuChesne River, rocky bottom, 1 ft. deep, course E.
4.90	Left bank of DuChesne River.
9.00	Heber-Vernal road, bears N. 85° E. and S. 85° W.
10.10	Leave canon bottom, bears N. 80° E. and S. 80° W. Leave undergrowth and enter scattering timber, bears N. 80° E. and S. 80° W. Ascend abruptly over ledges.

Subdivision of T. 2 S., R. 6 W. -Continued

Chains

40.00 Set a sandstone, 18x9x5 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.

40.25 Top of steep ascent, 800 ft. above canon, bottom, bears N. 60° W. and S. 60° E.
 Leave ledges, bears N. 60° W. and S. 60° E.
 Ascend more gradually.

80.00 Set a sandstone, 18x11x4 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; from which
 A pinon pine, 10 ins. diam., bears N. 48° E., 39 lks. dist., marked T 2 S R 6 W S 11 B T.
 A pinon pine, 15 ins. diam., bears S. 19° E., 5 lks. dist., marked T 2 S R 6 W S 14 B T.
 A pinon pine, 10 ins. diam., bears S. 35° W., 70 lks. dist., marked T. 2 S R 6 W S 15 B T.
 A pinon pine, 8 ins. diam., bears N. 67° W., 19 lks. dist., marked T 2 S R 6 W S 10 B T.

Land, mountainous and level.
 Soil, sandy loam and rocky; 2nd and 4th rate.
 Timber, cedar and pinon pine.
 Undergrowth, sage brush, rabbit brush, willows, and rose bushes.
 Good grass for grazing.
 Mountainous land, or land covered with dense undergrowth, 80.00 chs.

40.00 Set temp. $\frac{1}{4}$ sec. cor.
 79.92 Intersect N. and S. line, 19 lks. N. of the cor. of secs. 11, 12, 13, and 14.
 Thence I run
 S. 89° 48' W., on a true line bet. secs. 11 and 14.

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Subdivision of T. 2 S., R. 6 W. -Continued.

Chains Over mountainous land; through heavy timber .
Ascend gradually.

39.96 Set a sandstone, 18x10x4 ins., 12 ins. in the ground,
for $\frac{1}{2}$ sec. cor., marked $\frac{1}{2}$ on N. face; from which

A pinon pine, 10 ins. diam., bears N. 67° E., 110
lks. dist., marked $\frac{1}{2}$ S, 11 B T.

A pinon pine, 9 ins. diam., bears S. 33° W., 23
lks. dist., marked $\frac{1}{2}$ S 14 B T.

79.92 The cor. of secs. 10, 11, 14, and 15.
Land, mountainous .
Soil, gravelly and rocky; 3rd and 4th rate.
Timber, cedar and pinon pine.
Good grass for grazing.
Mountainous or heavily timbered land, 79.92 chs.
November 4, 1903: At this cor. I set off 15° 11' S., 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° 19' N.,
which is the proper lat. nearly.

N. 0° 2' W., bet. secs. 10 and 11.
Over mountainous land; through heavy timber.
Ascend over ledges.

20.00 Top of ridge, 150 ft. above sec. cor., bears E. and W.
Descend .

40.00 Set a sandstone, 18x13x5 ins., 12 ins. in the ground,
for $\frac{1}{2}$ sec. cor., marked $\frac{1}{2}$ on W. face; from which

A red pine, 9 ins. diam., bears N. 65° E., 43
lks. dist., marked $\frac{1}{2}$ S 11 B T.

A red pine, 12 ins. diam., bears S. 15° W., 20
lks. dist., marked $\frac{1}{2}$ S 10 B T.

40.50 Bottom of hollow, 300 ft. below ridge, course S. 60° W.
Ascend .

40.75 Leave timber, bears N. 60° W. and S. 60° E.

See Corrected Notes Page 6 Bk. 10

See Corrected Notes Page 6 Bk. 10

Subdivision of T.2 S., R.6 W., -Continued.

Chains

- 50.00 Enter heavy timber, bears N.60°W. and S.60°E.
- 59.00 Top of ascent, 400 ft. above hollow, bears N.80°W. and S.80°E. Leave ledges.
- ... Thence over mesa.
- 80.00 Set a sandstone, 20x12x4 ins., 15 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, 14 ins. diam., bears N.68°E., 180 lks. dist., marked T 2 S R 6 W S 2 B T.
- A pinon pine, 16 ins. diam., bears S.80°E., 200 lks. dist., marked T 2 S R 6 W S 11 B T.
- A pinon pine, 12 ins. diam., bears S.61°W., 90 lks. dist., marked T 2 S R 6 W S 10 B T.
- A pinon pine, 12 ins. diam., bears N.38°W., 75 lks. dist., marked T 2 S R 6 W S 3 B T.
- ... Land, mountainous and level.
- Soil, sandy loam and rocky; 2nd and 4th rate.
- Timber, cedar and pinon pine.
- Good grass for grazing.
- Mountainous or heavily timbered land, 80.00 chs.
-
- N.86°48'E., on a random line bet. secs. 2 and 11.
- 40.00 Set temp. $\frac{1}{2}$ sec. cor.
- 79.80 Intersect N. and S. line, 23 lks. N. of the cor. of secs. 1, 2, 11, and 12.
- Thence I run
- S.89°58'W., on a true line bet. secs. 2 and 11.
- Over mountainous land; through dense undergrowth.
- ascend ..
- 32.00 Top of ascent, 200 ft. above sec. cor., bears N.45°W. and S.45°E.
- Thence over mesa.

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Subdivision of T 2 S R 6 W -Continued.

Chains

- 39.90 Set a sandstone, 30x20x10 ins. 22 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.
- 65.00 Enter heavy timber, bears N. 20° W. and S. 20° E.
- 79.80 The cor. of secs. 2, 3, 10, and 11.
Land, mountainous and level.
Soil, sandy loam and gravelly; 2nd and 3rd rate.
Timber, cedar and pinon pine.
Undergrowth, sagebrush.
Good grass for grazing.
Mountainous or heavily timbered land, or land covered with dense undergrowth, 79.80 chs.
-
- N. 0° 2' W., on a random line bet. secs. 2 and 3.
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 80.12 Intersect N. bdy. of Tp., 14 lks. S. 89° 50' W., of the cor. of secs. 2, 3, 34, and 35, heretofore described.
Thence I run
S. 0° 4' W., on a true line bet. secs. 2 and 3.
Over mountainous land; through scattering timber.
Descend.
- 40.12 Set a sandstone, 22x10x8 ins., 19 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face; from which
A pinon pine, 10 ins. diam., bears S. 80° E., 60 lks. dist., marked $\frac{1}{4}$ S 2 B T.
A pinon pine, 11 ins. diam., bears N. 70° W., 35 lks. dist., marked $\frac{1}{4}$ S 3 B T.
- 52.00 Bottom of hollow, 300 ft. below sec. cor., course S. 85° E.
Ascend.
- 74.60 Top of ascent, 300 ft. above hollow, bears N. 85° W. and S. 85° E.
Enter heavy timber, bears N. 85° W. and S. 85° E.
Thence over mesa.

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Subdivision of T. 2. S., R. 6. W. - Continued

Chains

80.12 The cor. of secs. 2, 5, 10, and 11.
 Land, mountainous and level
 Soil, sandy loam and rocky; 2nd and 4th rate.
 Timber, cedar and pinon pine.
 Good grass for grazing
 Mountainous or heavily timbered land, 80.12 chs.

November 4, 1903.

November 5, 1903: At 8 h 2 m a.m., l.m.t., I set off
 40° 16' N., on the lat. arc; 15° 24' S., on the decl. arc;
 and determine a meridian, with the solar, at the cor.
 of secs. 3, 4, 33, and 34, on S. bdy. of Tp., heretofore
 described.

Thence I run

N. 0° 2' W., bet. secs. 33 and 34.

Over mountainous land; through heavy timber.

Ascend abruptly over a series of sandstone ledges.

31.50 Top of ascent, 800 ft. above sec. cor., bears E. and
 W.

Thence over rolling mesa; through dense undergrowth.

40.00 Set a sandstone, 18x8x5 ins., 12 ins. in the ground,
 for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$, on W. face; from which

A pinon pine, 12 ins. diam., bears N. 56° E., 34
 lks. dist., marked $\frac{1}{4}$ S 34 B T.

A pinon pine, 12 ins. diam., bears S. 46° W., 64
 lks. dist., marked $\frac{1}{4}$ S 33 B T.

50.00 Leave mesa, bears N. 80° E. and W.

Descend abruptly.

60.00 Point 600 ft. below mesa.

Set a sandstone, 18x10x10 ins., 12 ins. in the ground,
 for cor. of secs. 27, 28, 33, and 34, marked with 1 notch

Subdivision of T 2 S R 6 W -Continued

Chains on S. and 3 notches on E. edges; from which

A pinon pine, 10 ins. diam., bears N. 58° E.,
78 lks. dist., marked T 2 S R 6 W S 27 B T.

A pinon pine, 5 ins. diam., bears S. 56° E.,
60 lks. dist., marked T 2 S R 6 W S 34 B T.

A pinon pine, 14 ins. diam., bears S. 62° W.,
35 lks. dist., marked T 2 S R 6 W S 33 B T.

A pinon pine, 10 ins. diam., bears N. 44° W.,
14 lks. dist., marked T 2 S R 6 W S 28 B T.

Land, mountainous.

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

Timber, cedar and pinon pine.

Good grass for grazing.

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

N. 89° 57' E., on a random line bet. secs. 27 and 34.

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

79.90 Intersect N. and S. line, 7 lks. N. of the cor. of secs.
26, 27, 34, and 35.

Thence I run

West, on a true line bet. secs. 27 and 34.

Over mountainous land; through heavy timber.

Descend.

30.00 Bottom of hollow, 300 ft. below sec. cor., course N.

Ascend.

39.95 Set a sandstone, 16x8x5 ins., 11 ins. in the ground,
for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; from which

A pinon pine, 4 ins. diam., bears N. 20° W.,
35 lks. dist., marked $\frac{1}{4}$ S 27 B T.

A cedar, 6 ins. diam., bears S. 20° W., 55
lks. dist., marked $\frac{1}{4}$ S 34 B T.

42.00 Top of ridge, 250 ft. above hollow, bears N. 10° E. and

Subdivision of T. 2 S., R. 6 W. -Continued.

Chains	S. 10° W.
..	Descend . .
79.90	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, 79.90 chs.

	N. 6° 2' W., bet. secs. 27 and 28.
	Over mountainous land; through heavy timber.
	Descend over ledges.
3.50	Bottom of canon, 100 ft. below sec. cor., course N. 60° E.
	Ascend .
27.30	Top of ascent, 1000 ft. above canon, bears E. and W.
	Thence over rolling mesa. Leave ledges, bears E. and W.
40.00	Set a sandstone, 14x12x6 ins., 9 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face; from which
	A cedar, 6 ins. diam., bears N. 81° E., 76
	lks. dist., marked $\frac{1}{4}$ S 27 B 1.
	A pinon pine, 20 ins. diam., bears N. 79° W., 65
	lks. dist., marked $\frac{1}{4}$ S 28 B T.
80.00	Set a sandstone, 20x12x5 ins., 15 ins. in the ground, for cor. of secs. 21, 22, 27, and 28, marked with 2 notches on S. and 5 notches on E. edges; from which.
	A pinon pine, 8 ins. diam., bears N. 20° E., 39
	lks. dist., marked T 2 S R 6 W S 22 B 1.
	A cedar, 8 ins. diam., bears S. 50° E., 120 lks.
	lks. dist., marked T 2 S R 6 W S 27 B T.
	A pinon pine, 10 ins. diam., bears S. 47° W., 80
	lks. dist., marked T 2 S R 6 W S 28 B T.
	A cedar, 5 ins. diam., bears N. 67° W., 20 lks.
	lks. dist., marked T 2 S R 6 W S 21 B T.

Subdivision of T. 2 S., R. 6 W. - Continued

Chains Land, mountainous and rolling mesa.
 Soil, sandy loam and gravelly; 2nd and 3rd rate.
 Timber, cedar and pinon pine;
 Good grass for grazing.
 Mountainous or heavily timbered land, 80.00 chs.
 November 15, 1903. At this cor. I set off 15° 29' S., 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° 18'
 N., which is the proper lat. nearly.

East, on a random line bet. secs. 22 and 27.
 40.00 Set a temp. $\frac{1}{4}$ sec. cor.
 79.80 Intersect N. and S. line, 21 lks. S. of the cor. of secs.
 22, 23, 26, and 27.
 Thence I run
 S. 89° 51' W., on a true line bet. secs. 22 and 27.
 Over mountainous land; through heavy timber.
 Ascend
 9.00 Top of ascent, 200 ft. above sec. cor., bears N. 50° E. and
 S. 50° W.
 Thence over rolling mesa.
 39.90 Set a sandstone, 18x9x7 ins.; 12 ins. in the ground,
 for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; from which
 A pinon pine, 9 ins. diam., bears N. 50° E., 12
 lks. dist., marked $\frac{1}{4}$ S 22 B T.
 A cedar, 8 ins. diam., bears S. 54° E., 17 lks.
 dist., marked $\frac{1}{4}$ S 27 B T.
 79.80 The cor. of secs. 21, 22, 27, and 28.
 Land, mountainous and rolling mesa.
 Soil, sandy loam and gravelly; 2nd and 3rd rate.
 Timber, cedar and pinon pine.
 Good grass for grazing.
 Mountainous or heavily timbered land, or land covered
 with dense undergrowth, 79.80 chs.

Subdivision of T. 2 S., R. 4 E. - Continued.

Chains	N. of 2 nd W., bet. secs. 21 and 22. Over rolling mesa; through heavy timber.
16.00	Leave mesa, bears E. and W. Descend abruptly.
40.00	Set a sandstone, 16x10x6 ins., 11 ins. in the ground, for $\frac{1}{2}$ sec. cor., marked $\frac{1}{2}$ on E. face; from which A red pine, 16 ins. diam., bears N. 70° E., 26 lks. dist., marked $\frac{1}{2}$ S 22 B T. A cedar, 6 ins. diam. bears W., 35 lks. dist., marked $\frac{1}{2}$ S 21 B T.
64.00	Foot of descent, 1800 ft. below mesa, bears E. and W. Leave timber and enter dense undergrowth, bears E. and W. Thence over level canon bottom.
66.00	Heber-Vernal road, bears E. and W.
72.00	Enter scattering cottonwood timber, bears E. and W.
76.00	Right bank of DuChesne River, rocky bottom, rapid current, course N. 36° E., 3 ft. deep.
76.60	Left bank of River.
80.00	Set a sandstone, 18x12x6 ins., 12 ins. in the ground, for cor. of secs. 15, 16, 21, and 22, marked 2, S on NE; S W on SE faces; with 3 notches on S. and 3 notches on on E. edge; 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. Land, mountainous and level. Soil, sandy loam and rocky; 2nd and 4th rate. Timber, cedar, pines, pine, and cottonwood. Undergrowth, sage brush, willows, rose bushes, and rabbit brush. Good grass for grazing. Mountainous or heavily timbered land, or land covered with dense undergrowth, 80.00 chs.

Subdivision of T. 2 S. R. 6 W. -Continued

Chains

N. $89^{\circ}51'E.$, on a random line bet. secs. 15 and 22.

- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 79.70 Intersect N. and S. line, 25 lks., S. of the cor. of secs. 14, 15, 22, and 23.

Thence I run

S. $69^{\circ}40'W.$, on a true line bet. secs. 15 and 22.

Over level track bottom; through dense undergrowth.

- 19.00 Heber-Vernal road, bears N. $50^{\circ}E.$ and S. $50^{\circ}W.$
- 39.85 Set a sandstone, 14x8x6 ins., 9 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; dig pits, 13x16x12 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.
- 49.75 Right bank of DuChesne River, rocky bottom, rapid current, 2 ft. deep, course NE.

51.70 Left bank of river.

79.70 The cor. of secs. 15, 16, 21, and 22.

Land, level

Soil, sandy and clay loam; 2nd rate.

No timber.

Undergrowth, sage brush, greasewoods, willows, rabbit brush, rose bushes, bull berry brush, and haws.

Good grass for grazing.

Land covered with dense undergrowth, 79.70 chs.

November 5, 1903: At this cor. latitude $40^{\circ}18'31''N.$, longitude $110^{\circ}35'31''W.$, I set off $40^{\circ}19'N.$, on the lat. arc; $15^{\circ}30'5'$, on the decl. arc; and at 4 h 5 m p.m. l.m.t., determine a meridian, with the solar, and mark point thereof on a stone firmly set in the ground, 5.00 chs. N. of the cor.

November 5, 1903.

November 6, 1903: At 4 h 23.6 m a.m. l.m.t., I observe

Subdivision of T. 2 S., R. 6 W. -Continued

Chains Polaris at western elongation, in accordance with the Manual, and mark a point thereof on a peg driven in the ground, 5.00 chs. N. of the cor.

At 7 h 30 m a.m., l.m.t., I lay off the azimuth of Polaris $1^{\circ}34'.8''$ to the east, and mark the meridian thus determine by cutting a small groove in the stone already set 5.00 chs. North of the cor.; this mark falls 0.21 ins. east of the meridian determined with the solar.

At 8 h 2 m a.m., l.m.t., I set off $40^{\circ}19'N.$, or the lat. arc; $15^{\circ}42'S.$, on the decl. arc; and determine a meridian with the solar, and mark a point thereof by a cross on the stone already set 5.00 chs. N. of cor. This mark falls 0.31 ins. east of the meridian established by Polaris observation.

The solar apparatus by p.m. and a.m. observations, defines positions for meridians respectively about $0'11''$ 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 8 h 20 m a.m. is $N.16^{\circ}42'W.$, the angle thus determined gives the mag. decl. $16^{\circ}42'E.$

Thence I run
 N. $0^{\circ}2'W.$, bet. secs. 15 and 16.

Over level canon bottom; through dense undergrowth.

8.00 Leave canon bottom, bears E. and W.

Leave undergrowth, and enter heavy timber, bears E. and W.

Ascend abruptly over sandstone ledges, from 10 ft. to 30 ft. high, bears E. and W.

40.00 Set a sandstone, $18 \times 10 \times 4$ ins., 12 ins. in the ground, for $\frac{1}{2}$ sec. cor., marked $\frac{1}{2}$ on W. face; from which

Subdivision of T 2 S R 6 W -Continued

Chains . A pinon pine, 8 ins. diam., bears S. 66° E., 35
 lks. dist., marked $\frac{1}{2}$ S 15 B T.
 A pinon pine, 10 ins. diam., bears N. 80° W., 37
 lks. dist., marked $\frac{1}{4}$ S 16 B T.

45.00 Top of ridge, 1000 ft. above canon bottom, bears
 N. 50° W. and S. 50° E.
 Descend .

79.00 Bottom of canon, 600 ft. below ridge, course S. 80° E.
 Ascend .

80.00 Set a sandstone, 20x8x5 ins., 15 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, 8 ins. diam., bears N. 54° E., 40-
 lks. dist., marked T 2 S R 6 W S 10 B T.
 A cottonwood, 10 ins. diam., bears S. 55° E.,
 200 lks. dist., marked T 2 S R 6 W S 15 B T.
 A cottonwood, 10 ins. diam., bears S. 45° W., 110
 lks. dist., marked T 2 S R 6 W S 16 B T.

No tree within limits in sec. 9; raise a mound of stone
 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor.

Land, mountainous and level.

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

Timber, cedar and pinon pine.

Undergrowth, sage brush, greasewood, willows and rose
 bushes.

Good grass for grazing.

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

N. 89° 40' E., on a random line bet. secs. 10 and 15.

40.00 Set temp. $\frac{1}{2}$ sec. cor.

79.92 Intersect N. and S. line, 19 lks. N. of the cor. of secs.
 10, 11, 14, and 15.

Thence I run

Subdivision of T. 2 S., R. 6 W. -Continued.

Chains	S. 89° 48' W., on a true line bet. secs. 10 and 15. Over mountainous land; through heavy timber. Descend .
39.96	Set a sandstone, 18x10x4 ins., 12 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; from which A pinon pine, 19 ins. diam., bears N. 68° E., 47 lks. dist., marked $\frac{1}{4}$ S 10 B T. A pinon pine, 12 ins. diam., bears S. 32° W., 60 lks. dist., marked $\frac{1}{4}$ S 15 B T.
52.00	Bottom of hollow, 400 ft. below sec. cor., course S. 30° E. Ascend.
62.50	Top of spur, 250 ft. above hollow, projects south 25° E. Descend.
79.92	The cor. of secs. 9, 10, 15, and 16. Land, mountainous . Soil, sandy and rocky; 2nd and 4th rate. Timber, cedar and pinon pine. Good grass for grazing. Mountainous or heavily timbered land, 79.92 chs; November 6, 1903: at this cor. I set off 15° 47' S., on the decl. arc; and at 6 h 20 p.m., l.m.t., I observe the sun on the meridian, the resulting lat. is 40° 19' 'N., which is the proper lat. nearly .

	N. 0° 2' W., bet. secs. 9 and 10. Over mountainous land; through scattering timber. Ascend over ledges from 10 ft to 50 ft. high.
20.00	Enter heavy timber, bears E. and W.
38.00	Top of ridge, 550 ft. above hollow, bears N. 70° W. and S. 70° E. Descend .
40.00	Set a sandstone, 16x12x4 ins., 11 ins. in the ground,

Subdivision of T.2 S..R.6 W.-Continued.

- Chains for $\frac{1}{4}$ sec.cor., marked $\frac{1}{4}$ on W.face; from which
- A pinon pine, 9 ins.diam., bears S.55°E., 39 lks.dist., marked $\frac{1}{4}$ S.10 B T.
 - A pinon pine, 24 ins.diam., bears S.20°W., 42 lks.dist., marked $\frac{1}{4}$ S 9 B T.
- 50.00 Bottom of hollow, 250 ft. below ridge, course S.80°E. Ascend.
- 57.50 Top of spur, 200 ft. above hollow, projects E. Descend .
- 66.20 Bottom of hollow, 75 ft. below spur, course S.45°E. Ascend .
- 78.00 Top of divide ridge between DuChesne River and Rock Creek canons, 100 ft. above hollow, bears E. and W. Descend .
- 80.00 Set a sandstone, 20x12x4 ins., 15 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.49°E., 75 lks.dist., marked T 2 S R 6 W S 3 B T.
 - A pinon pine, 15 ins.diam., bears S.32°E., 30 lks.dist., marked T 2 S R 6 W S 10 B T.
 - A cedar, 12 ins.diam., bears S.50°W., 120 lks. dist., marked T 2 S R 6 W S 9. B T.
 - A cedar, 8 ins.diam., bears N.24°W., 56 lks. dist., marked T 2 S R 6 W S 4 B T.

Land, mountainous.

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

Timber, cedar and pinon pine.

Good grass for grazing.

Mountainous or heavily timbered land, 80.00 chs . .

N.89°45'E., on a random line bet. secs. 3 and 10.

- 40.00 Set temp. $\frac{1}{4}$ sec.cor.
- 79.82 Intersect N. and S. line, 21 lks. N. of the cor. of secs.

Subdivision of T. 2 S., R. 6 W. -Continued.

Chains 2, 3, 10, and 11.
 Thence I run
 S. 89° 57' W., on a true line bet. secs. 3 and 10.
 Over rolling mesa; through heavy timber.

39.91 Set a sandstone, 16x12x6 ins., 11 ins. in the ground,
 for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; from which
 A pinon pine, 8 ins. diam., bears N. 45° W., 65
 lks. dist., marked $\frac{1}{4}$ S 3 B T.
 A pinon pine, 8 ins. diam., bears S. 2° W., 14
 lks. dist., marked $\frac{1}{4}$ S 10 B T.

74.50 Leave mesa, bears N. 70° E. and S. 70° W.
 Descend .

79.82 The cor. of secs. 3, 4, 9, and 10.
 Land, mountainous and level.
 Soil, sandy loam and gravelly; 2nd and 3rd rate.
 Timber, cedar and pinon pine.
 Good grass for grazing.
 Mountainous or heavily timbered land, 79.82 chs.

 N. 0° 2' W., on a random line bet. secs. 3 and 4.

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

80.08 Intersect N. bdy. of 1p., 9 lks. W. of the cor. of secs.
 3, 4, 33, and 34, heretofore described.
 Thence I run
 S. 0° 2' W., bet. secs. 3 and 4. on a true line.
 Over mountainous land; through heavy timber.
 Descend .

30.00. Bottom. of hollow, 200 ft. below sec. cor., course S. 70° E
 Leave heavy and enter scattering timber, bears same.
 Ascend .

40.08 Set a sandstone, 16x10x8 ins., 11 ins. in the ground,
 for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face; from which
 A pinon pine, 4 ins. diam., bears W., 35 lks.
 dist., marked $\frac{1}{4}$ S 4 B T.

Subdivision of T 2 S R 6 W -Continued

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

41.50 Top of spur, 150 ft. above hollow, projects E. .
Descend .

47.75 Bottom of hollow, 150 ft. below spur, course N. 70° E.
Ascend .

80.08 The cor. of secs. 3, 4, 9, and 10.

land, mountainous.

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

Timber, cedar and pinon pine.

Good grass for grazing.

Mountainous or heavily timbered land, 80.08 chs.

November 6, 1903.

November 7, 1903: At 8 h 3 m a.m., l.m.t., I set off
40° 16' N., on the lat. arc; 16° 0' S., on the decl. arc; and
determine a meridian, with the solar, at the cor. of
secs. 4, 5, 32, and 33, on S. bdy. of Tp., heretofore des.
cribed.

Thence I run

N. 0° 3' W., bet. secs. 32 and 33.

Over mountainous land; through scattering timber.

Ascend abruptly over ledges.

21.50 Top of ascent, 1000 ft. above sec. cor., bears E. and W.

Leave ledges and enter heavy timber, bears E. and W..

Thence over mesa.

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, 16 ins. diam., bears N. 30° E., 4
lks. dist., marked ¼ S 33 B T.

A cedar, 14 ins. diam., bears N. 70° W., 51 lks.
dist., marked ¼ S 32 B T.

Subdivision of T. 2 S. R. 6 W. -Continued.

Chains	
52.00	Leave mesa, bears N. 75° E. and S. 75° W. Descend .
63.00	Bottom of hollow, 300 ft. below mesa, course N. 65° E. Ascend .
76.00	Top of ascent, 300 ft. above hollow, bears E. and W. Thence over rolling mesa.
80.00	Set a sandstone, 18x12x6 ins., 12 ins. in the ground, for cor. of secs. 28, 29, 32, and 33, marked with 1 notch on S. and 4 notches on E. edges; from which A pinon pine, 15 ins. diam., bears N. 75° E., 60 lks. dist., marked T 2 S R 6 W S 28 B T. A pinon pine, 17 ins. diam., bears S. 26° E., 77 lks. dist., marked T 2 S R 6 W S 33 B T. A pinon pine, 15 ins. diam., bears S. 15° W., 60 lks. dist., marked T 2 S R 6 W S 32 B T. A pinon pine, 14 ins. diam., bears N. 76° W., 90 lks. dist., marked T 2 S R 6 W S 29 B T. Land, mountainous and rolling mesa. Timber, cedar and pinon pine. Soil, sandy loam and rocky; 2nd and 4th rate . Good grass for grazing. Mountainous or heavily timbered land, 80.00 chs. <hr/> N. 89° 57' E., on a random line bet. secs. 28 and 33. 40.00 Set temp. $\frac{1}{4}$ sec. cor. 80.00 Intersect N. and S. line, at the cor. of secs. 27, 28, 33, and 34. Thence 1 run. S. 89° 57' W., on a true line bet. secs. 28 and 33. Over mountainous land; through heavy timber. Descend . 7.00 Bottom of hollow, 100 ft. below sec. cor., course N. 60° E.

Subdivision of T 2 S R 6 W -Continued.

Chains Ascend.

18.00 Top of spur, 200 ft. above hollow, projects N. 50° E..

Descend .

40.00 Set a sandstone, 20x12x6 ins., 15 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; from which

A pinon pine, 5 ins. diam., bears N. 80° W., 65 lks. dist., marked $\frac{1}{4}$ S 28 B T.

A cedar, 12 ins. diam., bears S. 20° W., 27 lks. dist., marked $\frac{1}{4}$ S 33 B T.

47.75 Bottom of canon, 300 ft. below ridge, course N. 35° E.

Ascend .

67.00 Top of ascent, 300 ft. above canon, bears NE and SW. Thence over rolling mesa.

80.00 The cor. of secs. 28, 29, 32, and 33.

Land, mountainous and rolling mesa.

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

Timber, cedar and pinon pine .

Good grass for grazing.

Mountainous or heavily timbered land, 80.00 chs.

N. 0° 5' W., bet. secs. 28 and 29.

Over rolling mesa; through heavy timber.

29.00 Leave heavy timber and enter scattering timber and dense sage brush, bears E. and W.

40.00 Set a sandstone, 18x12x6 ins., 12 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face; from which

A pinon pine, 8 ins. diam., bears N. 10° E., 320 lks. dist., marked $\frac{1}{4}$ S 28 B T.

A pinon pine, 9 ins. diam., bears N. 75° W., 16 lks. dist., marked $\frac{1}{4}$ S 29 B T.

75.00 Leave mesa, bears E. and W.

Descend .

Subdivision of T.2 S., R.6 W. -Continued.

Chains	
80.00	<p>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</p> <p style="padding-left: 40px;">A pinon pine, 10 ins. diam., bears N. 16° E., 124 lks. dist., marked T 2 S R 6 W S 21 B T.</p> <p style="padding-left: 40px;">A long leaf pine, 14 ins. diam., bears S. 35° E., 246 lks. dist., marked T 2 S R 6 W S 26 B T.</p> <p style="padding-left: 40px;">A pinon pine, 16 ins. diam., bears S. 35° W., 86 lks. dist., marked T 2 S R 6 W S 29 B T.</p> <p style="padding-left: 40px;">A pinon pine, 16 ins. diam., bears N. 50° W., 110 lks. dist., marked T 2 S R 6 W S 20 B T.</p> <p>Land, mountainous and rolling mesa.</p> <p>Soil, sandy and gravelly; 2nd and 3rd rate..</p> <p>Timber, cedar and pinon pine and a few long leaf pines.</p> <p>Undergrowth, sage brush.</p> <p>Good grass for grazing.</p> <p>Mountainous or heavily timbered land, or land covered with dense undergrowth, 80.00 chs.</p> <p>November 7, 1903: At this cor. I set off 16° 5' S. ✓, 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° 18' N. ✓, which is the proper lat. nearly.</p>
40.00	<p style="padding-left: 40px;">N. 89° 57' E., on a random line bet. secs. 21 and 28.</p> <p>Set temp. $\frac{1}{4}$ sec. cor.</p>
79.90	<p>Intersect N. and S. line, 7 lks. S. of the cor. of secs. 21, 22, 27, and 28.</p> <p>Thence I run</p> <p style="padding-left: 40px;">S. 89° 54' W., on a true line bet. secs. 21 and 28.</p> <p>Over level mesa; through heavy timber.</p>
39.95	<p>Set a sandstone, 16x10x6 ins., 11 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; from which</p> <p style="padding-left: 40px;">A pinon pine, 14 ins. diam., bears N., 50 lks.</p>

Subdivision of T. 2 S., R. 6 W. -Continued.

Chains dist., marked $\frac{1}{4}$ S 21 B T.
 A pinon pine, 16 ins. diam., bears S. 26° W., 61
 lks. dist., marked $\frac{1}{4}$ S 28 B T.

56.50 Leave mesa, bears N. 65° E. and S. 65° W.
 Descend gradually.

79.90 The cor. of secs. 20, 21, 28, and 29.
 Land, mountainous and rolling mesa.
 Soil, sand loam and gravelly; 2nd and 3rd rate.
 Timber, cedar and pinon pine.
 Good grass for grazing.
 Mountainous or heavily timbered land, 79.90 chs.

N. 6° 3' W, bet. secs. 20 and 21.
 Over mountainous land; through heavy timber.
 Descend .

25.20 Bottom of hollow, 350 ft. below sec. cor., course N. 15°
 W.
 Ascend .

35.00 Top of spur, 100 ft. above hollow, projects N. W. .
 Descend .

40.00 Set a sandstone, 16x10x7 ins., 11 ins. in the ground,
 for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face; from which
 A pinon pine, 12 in. diam., bears S. 80° E., 41
 lks. dist., marked $\frac{1}{4}$ S 21 B T.
 A red pine, 15 ins. diam., bears N. 45° W., 28
 lks. dist., marked $\frac{1}{4}$ S 20 B T.

69.00 Foot of descent, 1000 ft. below spur, bears E. and W.
 Leave timber and enter dense undergrowth, bears E.
 and W.
 Enter bottom of DuChesne River Canon.

72.90 Heber-Vernal road, bears N. 75° E. and S. 75° W.

80.00 Set a sandstone, 14x10x8 ins., 9 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

Subdivision of T. 2 S., R. 6 W. -Continued

Chains stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
 Land, mountainous and level.
 Timber, cedar and pinon pine.
 Soil, sandy loam and rocky; 2nd and 4th rate.
 Undergrowth, sage brush, willows, greasewoods, and haws.
 Good grass for grazing.
 Mountainous or heavily timbered land, or land covered
 with dense undergrowth, 80.00 chs.

N. $89^{\circ}54'E.$, on a random line bet. secs. 16 and 21.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 79.74 Intersect N. and S. line, 14 lks. S. of the cor. of secs.
 15, 16, 21, and 22.
 Thence I run
 S. $89^{\circ}48'W.$, on a true line bet. secs. 16 and 21.
 Over level ranon bottom; through dense undergrowth.
 17.60 Left bank of DuChesne River, moderate current, rocky
 bottom, 2 ft. deep, course SE.
 19.30 Right bank of river.
 39.87 Set a cobble stone, 14x8x6 ins., 9 ins. in the ground,
 for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; from which
 A birch, 3 ins. diam., bears N. $22^{\circ}E.$, 83
 lks. dist., marked $\frac{1}{4}$ S 16 B T.
 A cottonwood, 3 ins. diam., bears S. $35^{\circ}E.$, 60
 lks. dist., marked $\frac{1}{4}$ S 21 B T.
 79.74 the cor. of secs. 16, 17, 20, and 21.
 Land, level.
 Soil, sandy loam; 2nd rate.
 No timber.
 Undergrowth, sage brush, greasewoods, willows, bull
 berry brush, and haws.
 Good grass for grazing.
 Land covered with dense undergrowth, 79.74 chs.

Subdivision of T 2 S., R. 6 W. -Continued.

Chains

November 7, 1903.

November 8, 1903: At 8 h 2 m a. m., l. m. t. set off $40^{\circ} 19' N.$, on the lat. arc; $16^{\circ} 18' S.$, on the decl. arc; and determine a meridian with the solar, at the cor. of secs 16, 17, 20, and 21.

Thence I run

N. $0^{\circ} 3' W.$, bet. secs. 16, and 17.

Over level canon bottom; through dense willows and rose bushes.

3.75 Right bank of DuChesne River, rapid current rocky bottom, $1\frac{1}{2}$ ft. deep, course N. $30^{\circ} E.$

5.20 Left bank of river.

11.00 Leave canon bottom, bears E. and W..

Leave undergrowth and enter scattering timber, bears E. and W..

Ascend abruptly over ledges from 10 ft. to 100 ft. high.

40.00 Set a sandstone, $16 \times 10 \times 7$ ins., 11 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face; from which

A pinon pine, 24 ins. diam., bears S. $24^{\circ} 39' E.$,
46 lks. dist., marked $\frac{1}{4}$ S 16 B T.

A pinon pine, 14 ins. diam., bears S. $77^{\circ} 30' W.$,
51 lks. dist., marked $\frac{1}{4}$ S 17 B T.

Enter heavy timber, bears E. and W..

42.00 Leave ledges, bears E. and W..

56.50 Top of ridge, 2000 ft. above sec. cor., bears E. and W.
Descend abruptly over ledges.

80.00 Set a sandstone, $18 \times 12 \times 5$ ins., 12 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 pinon pine, 10 ins. diam., bears N. $56^{\circ} E.$, 19
lks. dist., marked T 2 S R 6 W S 9 B T.

Subdivision of T. 2 S., R. 6 W. - Continued.

Chains	<p>A pinon pine, 12 ins. diam., bears S. 67° E., 16 lks. dist., marked T 2 S R 6 W S 16 B T.</p> <p>A pinon pine, 14 ins. diam., bears S. 65° W., 55 lks. dist., marked T 2 S R 6 W S 17 B T.</p> <p>A pinon pine, 14 ins. diam., bears N. 62° W., 64 lks. dist., marked T 2 S R 6 W S 8 B T.</p> <p>Land, mountainous and level.</p> <p>Soil, sandy loam and rocky; 2nd and 4th rate.</p> <p>Timber, cedar and pinon pine, . . .</p> <p>Undergrowth, willows and rose bushes.</p> <p>Good grass for grazing.</p> <p>Mountainous or heavily timbered land, or land covered with dense undergrowth, 80.00 chs..</p>
40.00	<p>N. 89° 48' E., on a random line bet. secs. 9 and 16 .</p> <p>Set temp. $\frac{1}{4}$ sec. cor.</p>
79.90	<p>Intersect N. and S. line, 10 lks. N. of the cor. of secs. 9, 10, 15, and 16.</p> <p>Thence I run</p> <p>S. 89° 52' W., on a true line bet. secs. 9 and 16.</p> <p>Over mountainous land; through heavy timber.</p> <p>Descend .</p>
6.50	<p>Bottom of canon, 100 ft. below sec. cor., course S. 80° E.</p> <p>Ascend over ledges.</p>
39.95	<p>Set a sandstone, 18x12x4 ins., 12 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; from which</p> <p>A pinon pine, 4 ins. diam., bears N. 50° W., 27 lks. dist., marked $\frac{1}{4}$ S 9 B T.</p> <p>A pinon pine, 10 ins. diam., bears S. 70° E., 33 lks. dist., marked $\frac{1}{4}$ S 16 B T.</p>
79.90	<p>The cor. of secs. 8, 9, 16, and 17.</p> <p>Land, mountainous.</p> <p>Soil, rocky; 3rd rate.</p>

Subdivision of T. 2 S., R. 6 W. -Continued.

Chairs Timber, cedar and pinon pine.
 Good grass for grazing.
 Mountainous or heavily timbered land, 79.90 chs.
 November 8, 1905: At this cor. I set off $16^{\circ}23'S.$, 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 $40^{\circ}19'N.$, which is the proper lat. nearly.

$N. 0^{\circ}3'W.$, bet. secs. 8 and 9.
 Over mountainous land; through heavy timber.
 Descend abruptly over a series of ledges.

30.00 Bottom of hollow, 500 ft. below sec. cor., course E.
 Ascend .

36.00 Top of spur, 300 ft. above hollow, projects E.
 Descend .

40.00 Set a sandstone, $18 \times 12 \times 4$ ins., 12 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face; from which
 A red pine, 18 ins. diam., bears $S. 85^{\circ}E.$, 35
 lks. dist., marked $\frac{1}{4} S 8 B T.$
 A pinon pine, 15 ins. diam., bears W., 29
 lks. dist., marked $\frac{1}{4} S 8 B T.$

45.00 Bottom of canon, 400 ft. below spur, course E.
 Ascend abruptly.

80.00 Set a sandstone, $24 \times 10 \times 5$ ins., 16 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 pinon pine, 18 ins. diam., bears $N. 69^{\circ}E.$, 60
 lks. dist., marked $T 2 S R 6 W S 4 B T.$
 A pinon pine, 6 ins. diam., bears $S. 45^{\circ}E.$, 40
 lks. dist., marked $T 2 S R 6 W S 9 B T.$
 A pinon pine, 6 ins. diam. bears $S. 9^{\circ}W.$, 28
 lks. dist., marked $T 2 S R 6 W S 8 B T.$
 A pinon pine, 18 ins. diam., bears $N. 30^{\circ}E.$, 52

Subdivision of T. 2 S. R. 6 W. -Continued

Chains	lks. dist., marked T 2 S R 6 W S 5, B T.
	Land, mountainous.
	Soil, rocky; 4th rate.
	Timber, cedar and pinon pine and red pine.
	Good grass for grazing.
	Mountainous or heavily timbered land, 80.00 chs.

	N. 89° 52' E., on a random line bet. secs. 4 and 9.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.00	Intersect N. and S. line, 19 lks. N. of the cor. of secs. 3, 4, 9, and 10.
	Thence I run
	West, on a true line bet. secs. 4 and 9.
	Over mountainous land; through heavy timber.
	Ascend gradually along side of ridge.
24.00	Top of divide ridge, between DuChesne River and Rock Creek Canons, 50 ft. above sec. cor., bears N. 20° W. and S. 70° E.
	Descend.
40.00	Set a sandstone, 20x10x6 ins., 15 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. 40° E., 35 lks. dist. marked $\frac{1}{4}$ S 9 B T.
	A pinon pine, 13 ins. diam., bears N. 30° W., 55 lks. dist., marked $\frac{1}{4}$ S 4 B T.
50.50	Bottom of hollow, 300 ft. below ridge, course S. 30° E.
	Ascend.
72.00	Top of ridge, 250 ft. above hollow, bears N. 5° W. and S. 5° E.
	Descend.
80.00	The cor. of secs. 4, 5, 8, and 9.
	Land, mountainous.
	Soil, sandy and rocky; 2nd and 4th rate.

Subdivision of T.2 S., R.6 W. -Continued.

- Chains Timber, cedar and pinon pine
 Good grass for grazing.
 Mountainous or heavily timbered land, 80.00 chs.
-
- N.0°3'W., on a random line bet. secs. 4 and 5.
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 79.95 Intersect N. bdy. of Tp., 8 lks. S. 89°50'W., of the cor.
 of secs. 4, 5, 32, and 33, heretofore described.
 Thence I run
 South, on a true line bet. secs. 4 and 5.
 Over mountainous land; through dense undergrowth.
 Ascend .
- 30.00 Top of ridge, 200 ft. above sec. cor., bears NW and SE.
 Descend . Enter heavy timber, bears with ridge.
- 39.95 Set a sandstone, 16x8x5 ins., 11 ins. in the ground,
 for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face; from which
 A pinon pine, 12 ins. diam., bears N. 80° E., 57
 lks. dist., marked $\frac{1}{4}$ S 4 B T.
 A pinon pine, 12 ins. diam., bears N. 69° W., 32
 lks. dist. marked $\frac{1}{4}$ S 5 B T.
- 79.95 The cor. of secs. 4, 5, 8, and 9.
 Land, mountainous
 Soil, gravelly and sandy ; 3rd rate.
 Timber, cedar and pinon pine
 Undergrowth, sage brush and deer brush.
 Good grass for grazing.
 Mountainous or heavily timbered land, or land covered
 with dense undergrowth, 79.95 chs.

November 8, 1903.

November 9, 1903: At 8 h 2 m a.m., l.m.t., I set off

40

Subdivision of T. 2 S., R. 6 W. - Continued

Chains 40° 16' N., on the lat. arc; 16° 35' S., on the decl. arc; and determined 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. 6° 4' W., bet. secs. 31 and 32.

Over mountainous land; through heavy timber.

Ascend over sandstone ledges.

28.00 Top of steep ascent, 500 ft. above sec. cor., bears W. and S. 66° E. Leave ledges; bears W. and S. 60° E.

Thence over mesa .

40.00 Set a sandstone, 18x11x4 ins., 12 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face; from which

A cedar, 12 ins. diam., bears E., 72 lks. dist., marked $\frac{1}{4}$ S 32 B T.

A pinon pine, 11 ins. diam., bears N. 38° W., 60 lks. dist., marked $\frac{1}{4}$ S 31 B T.

55.00 Leave heavy timber and enter scattering timber and dense undergrowth, bears E. and W.

80.00 Set a sandstone, 18x11x4 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, 5 ins. diam., bears N. 5° E., 280 lks. dist., marked T 2 S R 6 W S 29 B T.

A pinon pine, 14 ins. diam., bears S. 59° E., 311 lks. dist., marked T 2 S R 6 W S 32 B T.

A pinon pine, 3 ins. diam., bears S. 39° W., 224 lks. dist., marked T 2 S R 6 W S 31 B T.

A pinon pine, 20 ins. diam., bears N. 48° W., 403 lks. dist., marked T 2 S R 6 W S 30 B T.

Land, mountainous and level.

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

Timber, cedar and pinon pine.

Undergrowth, sage brush.

Good grass for grazing.

Subdivision of T 2 S R 6 W -Continued

Chains Mountainous or heavily timbered land, or land covered with dense undergrowth, 86.00 chs.

N. 89° 57' E., on a random line bet. secs. 29 and 32.

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

79.90 Intersect N. and S. line, 9 lks. S. of the cor. of secs. 28, 29, 32, and 33.

Thence I run

S. 89° 53' W., on a true line bet. secs. 29 and 32.

Over level mesa; through scattering timber and dense undergrowth.

39.95 Set a sandstone, 18x13x5 ins., 12 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; from which

A pinon pine, 12 ins. diam., bears N. 30° W., 137 lks. dist., marked $\frac{1}{4}$ S 29 B T.

A cedar, 4 ins. diam., bears S. 53° W., 140 lks. dist., marked $\frac{1}{4}$ S 32 B T.

79.90 The cor. of secs. 29, 30, 31, and 32.

Land, level.

Soil, sandy loam; 2nd rate.

Timber, cedar and pinon pine.

Undergrowth, sage brush.

Land, covered with dense undergrowth, 79.90 chs.

S. 89° 57' W., on a random line bet. secs. 30 and 31.

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

77.70 Intersect W. bdy. of Tp., at the cor. of secs. 25, 30, 31, and 36, heretofore described.

Thence I run

N. 89° 57' E., on a true line bet. secs. 30 and 31.

Over mountainous land; through heavy timber.

Subdivision of T. 2 S., R. 4 E. - Continued.

Chains Ascend over ledge.

17.60 Top of ascent, 200 ft. above sec. cor., bears N. 60° W.
and S. 40° E. Leave ledge, bears N. 40° E. and S. 40° E.
Thence over mesa.

27.70 Set a sandstone, 18x14x4 ins., 12 ins. in the ground,
for 1/2 sec. cor., marked 3 on N. face; from which

A pinon pine, 15 ins. diam., bears N. 40° E.,
231 lbs. dist., marked 3 S 30 S T.

A pinon pine, 10 ins. diam., bears S. 60° E., 25
lbs. dist., marked 3 S 31 S T.

43.00 Leave heavy timber and enter scattering timber and
dense undergrowth, bears N. and S.

77.70 The cor. of secs. 29, 30, 31, and 32.

land, mountainous and level.

Soil, sandy 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, 77.70 chs.

N.C 4' T., bet. secs. 29 and 30.

(over level) mesa; through scattering timber and dense
sage undergrowth.

19.30 Leave mesa, bears N. 70° W. and S. 70° E.

Descend.

40.00 Set a sandstone, 18x14x4 ins., 12 ins. in the ground,
for 1/2 sec. cor., marked 3 on N. face; from which

A cedar, 8 ins. diam., bears N., 80 lbs.
dist., marked 3 S 28 S T.

A pinon pine, 15 ins. diam., bears S. 70° W.,
115 lbs. dist., marked 3 S 30 S T.

41.00 Bottom of hollow, 200 ft. below mesa, course N. 30° W.

Chains Leave dense undergrowth and enter heavy timber, bears N. 30° W. and S. 30° E.

Ascend.

46.00 Top of spur, 60 ft. above hollow, projects N. 30° W. W.

Descend.

80.00 Set a sandstone, 15x8x7 ins., 10 ins. in the ground, for cor. of secs. 19, 20, 29, and 30, marked with 2

notches on S. and 5 notches on E. edges; from which

A pinon pine, 17 ins. diam., bears N. 86° E.,

110 lks. dist., marked T 2 S R 6 W § 20 B T.

A red pine, 11 ins. diam., bears S. 50° E., 12

lks. dist., marked T 2 S R 6 W S 29 B T.

A red pine, 6 ins. diam., bears S. 66° W., 89

lks. dist., marked T 2 S R 6 W S 30 B T.

A red pine, 6 ins. diam., bears N. 45° W., 125

lks. dist., marked T 2 S R 6 W § 19 B T.

Land, mountainous and level.

Soil, gravelly; 3rd rate.

Timber, cedar, pinon pine, and red pine.

Good grass for grazing.

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

November 9, 1903: At this cor. I set off 16° 40' S., 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° 18' N., which is the proper lat. nearly.

N. 89° 53' E., on a random line bet. secs. 20 and 29.

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

79.82 Intersect N. and S. line, 4 lks. N. of the cor. of secs. 20, 21, 28, and 29.

Thence I run

Subdivision of T. 2 S., R. 6 W. - Continued

Chains	S. 89° 55' W., on a true line bet. secs. 20 and 29.
	Over mountainous land; through heavy timber.
	Ascend .
38.00	Top of spur, 100 ft. above sec. cor., projects N. 15° W.
	Descend .
39.91	Set a sandstone, 18x10x8 ins., 12 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N face; from which
	: A pinon pine, 11 ins. diam., bears N. 25° W., 25
	lks. dist., marked $\frac{1}{4}$ S 20 B T.
	A pinon pine, 14 ins. diam., bears S. 10° E., 20
	lks. dist., marked $\frac{1}{4}$ S 29 B T.
55.00	Begin steep descent, bears N. and S.
70.50	Bottom of hollow, 400 ft. below ridge, course N. 30° W.
	Ascend .
79.82	The cor. of secs. 19, 20, 29, and 30.
	Land, mountainous.
	Soil, gravelly; 3rd rate.
	Timber, cedar and pinon pine.
	Good grass for grazing.
	Mountainous or heavily timbered land, 79.82 chs.
	<hr/>
	S. 89° 57' W., on a random line bet. secs. 19 and 30.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
77.54	Intersect W. bdy. of Tps., 7 lks. S. of the cor. of secs. 19, 24, 25, and 30, heretofore described.
	Thence I run
	East, on a true line bet. secs. 19 and 30.
	Over mountainous land; through heavy timber.
	Ascend .
1.90	Top of ridge, 15 ft. above sec. cor., bears N. 30° E., and South.
	Descend.

Chains

27.00 Bottom of hollow, 500 ft. below ridge, course N. 40° E.
Ascend .

37.54 Set a sandstone, 18x10x8 ins., 12 ins. in the ground,
for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; from which
A red pine, 4 ins. diam., bears N., 25 lks.
dist., marked $\frac{1}{4}$ S 19 B T.
A red pine, 5 ins. diam., bears S., 15 lks..
dist., marked $\frac{1}{4}$ S 30 B T.

42.20 Top of spur, 100 ft. above hollow, projects N. 20°
W, 20° E.
Descend :

53.00 Bottom of hollow, 200 ft. below spur, course N. 40° W..
Ascend .

72.50 Top of spur, 200 ft. above hollow, projects
N. 20° E.
Descend .

77.54 The cor. of secs. 19, 20, 29, and 30.
Land, mountainous.
Soil, gravelly; 3rd rate.
Timber, cedar and pinon pine..
Good grass for grazing.
Mountainous or heavily timbered land, 77.54 chs.

N. 0° 4' W., bet. secs. 19 and 20.
Over mountainous land; through heavy timber .
Descend.

35.50 Bottom of hollow, 500 ft. below sec. cor., course N. 45°
W.
Ascend .

40.00 Set a sandstone, 20x12x5 ins., 15 ins. in the ground,
for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face; from which
A pinon pine, 10 ins. diam., bears S. 45° E., 30
lks. dist., marked $\frac{1}{4}$ S 20 B T.

Subdivision of T 2 S R 6 W.-Continued:

Chains	A pinon pine, 14 ins. diam., bears N. 45° W., 20
	lks. dist., marked $\frac{1}{4}$ S 19 B T.
42.00	Top of spur, 50 ft. above hollow, projects W.
	Descend ..
49.50	Bottom of hollow, 150 ft. below spur, course N. 15° E.
	Ascend gently, along side hill . . .
55.00	Descend gently . . .
60.00	Enter bottom of DuChesne River Canon, bears N. 70° W.
	and S. 70° E.
	Leave timber and enter dense undergrowth, bears E. and
	W.
70.15	Heber-Vernal road, bears E. and W. Enter scattering
	cottonwoods.
80.00	Set a sandstone, 20x12x6 ins., 15 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 cottonwood, 10 ins. diam., bears N. 23° E., 57
	lks. dist., marked T 2 S R 6 W S 17 B T.
	A cottonwood, 3 ins. diam., bears S. 79° E., 49
	lks. dist., marked T 2 S R 6 W S 20 B T.
	A cottonwood, 8 ins. diam., bears N. 15° W., 72
	lks. dist., marked T 2 S R 6 W S 18 B T.
	No other trees within limits; and dig a pit, 18x18x12
	ins. in sec. 19, 5 $\frac{1}{2}$ ft. dist; and raise a mound of
	earth, 4 ft. base, 2 ft. high, W. of cor.
	Land, mountainous and level.
	Soil, sandy loam and gravelly; 2nd and 3rd rate.
	Timber, cedar, pinon pine, and cottonwood, and red pine.
	Undergrowth, sage brush, rabbit brush, and willows.
	Good grass for grazing.
	Mountainous or heavily timbered land, or land covered
	with dense undergrowth, 80.00 chs.

November 9, 1903.

November 10, 1903: At 8 h 2 m a. m., l. m. t., I set off
 40° 19' N., on the lat. arc; 16° 52' S., on the decl. arc;

Subdivision of T.2 S., R.6 W.-Continued.

Chains	and determine a meridian, with the solar, at the cor. of secs. 17, 18, 19, and 20.
	Thence I run
	N. 89° 55' E., on a random line bet. secs. 17 and 20.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
79.92	Intersect N. and S. line, 10 lks. N. of the cor. of secs. 16, 17, 20, and 21.
	Thence I run
	S. 89° 59' W., on a true line bet. secs. 17 and 20.
	Over level bottom of DuChesne River Canon; through dense undergrowth.
.60	Right bank of DuChesne River, moderate current, rocky bottom, 2 ft. deep, course N.
1.20	Left bank of River.
9.00	Left bank of DuChesne River, moderate current, rocky bottom, 2 ft. deep, course S. 10° E.
9.60	Right bank of River.
15.00	Right bank of river, moderate current, 2 ft. deep, course N. 60° E.
15.90	Left bank of River.
39.96	Set a sandstone, 14x8x5 ins., 9 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.
44.10	Left bank of DuChesne River, moderate current, rocky bottom 1 $\frac{1}{2}$ ft. deep, course S. 60° E.
45.00	Right bank of River.
79.92	The cor. of secs. 17, 18, 19, and 20.
	Land, level.
	Soil, sandy loam; 2nd rate.
	No timber.
	Undergrowth, sage brush, greasewood, willows, bull berry brush, rose bushes, and haws.
	Good grass for grazing.
	Land covered with dense undergrowth, 79.92 chs.

Subdivision of T.2 S., R.6 W.-Continued.

Chains	
	West, on a random line bet. secs. 18 and 19.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
77.67	Intersect W. bdy. of Tp., 21 lks. S. of the cor. of secs. 13, 18, 19, and 24, heretofore described.
	Thence I run
	S. $89^{\circ} 51' E.$, on a true line bet. secs. 18 and 19.
	Over level bottom of DuChesne River Canon; through dense undergrowth and scattering cottonwood timber.
1.90	Right bank of DuChesne River, rapid current, rocky bottom, 2 ft. deep, course S. $75^{\circ} E.$ Thence along river bed.
10.60	Right bank of DuChesne river.
15.70	Right bank of DuChesne River, rocky bottom, rapid current, 2 ft. deep, course S. $60^{\circ} E.$
16.70	Left bank of DuChesne River.
22.50	Bend in DuChesne River, at this point the river bank bears S. $60^{\circ} W.$ and S. $60^{\circ} E.$
34.20	Left bank of DuChesne River, rapid current, rocky bottom, 2 ft. deep, course N. $30^{\circ} E.$
36.00	Right bank of River.
37.67	Set a sandstone, 18x6x5 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.
45.90	Right bank of DuChesne River, rapid current, rocky bottom, 2 ft. deep, course S. $70^{\circ} E.$
	Thence along river bed.
50.50	Right bank of DuChesne River, course N. E.
56.12	Heber-Vernal road, bears N. $45^{\circ} W.$ and S. $45^{\circ} E.$
77.67	The cor. of secs. 17, 18, 19, and 20.
	Land, level.
	Soil, sandy loam; 2nd rate.
	Timber, scattering cottonwood.
	Undergrowth, sage brush, greasewoods, willows, rose bushes, bull berry brush, choke cherry, and haws.
	Good grass, for grazing.

Subdivision of T. 2 S., R. 6 W. -Continued

Chains Land, covered with dense undergrowth, 77.67 chs.

N. 0° 4' W., bet. secs. 17 and 18.

Over level bottom of DuChesne River Canon; through dense undergrowth and scattering timber.

7.00 Right bank of DuChesne River, moderate current, rocky bottom, 2½ ft. deep, course E.

7.90 Left bank of River.

11.00 Leave canon bottom, bears E. and W.

Leave undergrowth and cottonwood timber and enter scattering cedar and pinon pine timber, bears E. and W.

Ascend abruptly over a series of ledges.

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, 8 ins. diam., bears S. 75° E., 40 lks. dist., marked ½ S 17 B T.

A pinon pine, 7 ins. diam., bears S. 75° W., 25 lks. dist., marked ¼ S 18 B T.

80.00 Set a sandstone, 18x9x4 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, 11 ins. diam., bears N. 78° E., 50 lks. dist., marked T 2 S R 6 W S 8 B T.

A pinon pine, 11 ins. diam., bears S. 74° E., 35 lks. dist., marked T 2 S R 6 W S 17 B T.

A pinon pine, 12 ins. diam., bears S. 19° W., 42 lks. dist., marked T 2 S R 6 W S 18 B T.

A pinon pine, 8 ins. diam., bears N. 52° W., 60 lks. dist., marked T 2 S R 6 W S 7 B T.

Land, mountainous and level.

Soil, sandy loam in bottom of canon, and rocky on mountain side; 2nd and 4th rate.

Timber, cedar, pinon pine, and cottonwood.

Subdivision of T. 2 S., R. 6 E., G. 11 S.

Chains Undergrowth, sage brush, willows, and bull berry brush.
 Good grass for grazing.
 Mountainous land, or land covered with dense undergrowth,
 80.00 chs.
 November 10, 1903: At this cor. I set off $16^{\circ}58'S.$, 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 $40^{\circ}19'N.$,
 which is the proper lat. nearly.

N. $89^{\circ}59'E.$, on a random line bet. secs. 8 and 17.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 79.88 Intersect N. and S. line, 5 lks. N. of the cor. of secs.
 8, 9, 16, and 17.
 Thence I run
 N. $89^{\circ}59'W.$, on a true line bet. secs. 8 and 17.
 Over mountainous land; through heavy timber.
 Ascend over ledges.
 39.94 Set a sandstone, 18x13x6 ins., 12 ins. in the ground,
 for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; from which
 A pinon pine, 16 ins. diam., bears N. $10^{\circ}W.$;
 30 lks. dist., marked $\frac{1}{4}S 8$ B T.
 A pinon pine, 8 ins. diam., bears S. $40^{\circ}W.$, 32
 lks. dist., marked $\frac{1}{4}S 17$ B T.
 54.00 Top of ridge, 250 ft. above sec. cor., bears N. $50^{\circ}W.$ and
 S. $50^{\circ}E.$
 Descend
 79.88 The cor. of secs. 7, 8, 17, and 18.
 land, mountainous.
 Soil, sandy and gravelly and rocky; 3rd and 4th rate.
 Timber, cedar and pinon pine.
 Good grass for grazing.
 Mountainous or heavily timbered land, 79.88 chs.

Subdivision of T12 S .R 6.W -Continued.

Chains

- N.89°51'W., on a random line bet. secs. 7 and 18.
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 77,30. Intersect W. bdy. of. Tp., 5 lks. N. of the cor. of secs. 7, 12, 13, and 18, heretofore described.
- Thence I run.
- S.89°53'E., on a true line bet. secs. 7 and 18.
- Over mountainous land; through heavy timber.
- Descend .
- 37,30 Set a sandstone, 15x10x7 ins., 10 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; from which
- A pinon pine, 14 ins. diam., bears N.45°E., 60 lks. dist., marked $\frac{1}{4}$ S 7 B T.
- A pinon pine, 11 ins. diam., bears S., 42 lks. dist., marked $\frac{1}{4}$ S 18 B T.
- 50.00 Bottom of hollow, 350 ft. below sec. cor., course E.
- Ascend .
- 77,30 The cor. of secs. 7, 8, 17, and 18.
- Land, mountainous.
- Soil, gravelly and rocky; 3rd and 4th rate.
- Timber, cedar and pinon pine.
- Good grass for grazing.
- Mountainous or heavily timbered land, 77.36 chs.
-
- N.0°4'W., bet. secs. 7 and 8.
- Over mountainous land; through heavy timber.
- Ascend .
- 1.00 Top of ridge, 20 ft. above sec. cor., bears E. and W.
- Descend .
- 22.00 Bottom of hollow, 250 ft. below ridge, course E.
- Ascend .
- 35.00 Top of ridge, 300 ft. above hollow, bears E. and W.
- Descend .

Subdivision of T. 2 S., R. 6. W. -Continued

Chains

40.00 Set a sandstone, 18x8x4 ins., 12 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face; from which

A pinon pine, 10 ins. diam., bears S. 5° E., 15 lks. dist., marked $\frac{1}{4}$ S 8. B T.

A pinon pine, 14 ins. diam., bears W., 115 lks. dist., marked $\frac{1}{4}$ S 7 B T.

68.00 Bottom of hollow, 400 ft. below ridge, course S. 60° E. Ascend.

80.00 Set a sandstone, 18x12x10 ins., 12 ins. in the ground, for cor. of secs. 5, 6, 7, and 8, marked with 5 notches on S., and E. edges; from which

A pinon pine, 8 ins. diam., bears N. 53° E., 64 lks. dist., marked T 2 S R 6 W S 5 B T.

A pinon pine, 14 ins. diam., bears S. 7° E., 60 lks. dist., marked T 2 S R 6 W S 8 B T.

A pinon pine, 6 ins. diam., bears S. 86° W., 72 lks. dist., marked T 2 S R 6 W S 7 B T.

A pinon pine, 8 ins. diam., bears N. 46° W., 105 lks. dist., marked T 2 S R 6 W S 6 B T.

Land, mountainous.

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

Timber, cedar and pinon pine.

Good grass for grazing.

Mountainous or heavily timbered land, 80.00 chs.

November 10, 1903.

November 11, 1903: At 8 h 2 m a.m., l.m.t., I set off 40° 20' N., on the lat. arc; 17° 10' S., on the decl. arc; and determine a meridian, with the solar, at the cor. of secs. 5, 6, 7, and 8.

Thence I run

S. 89° 59' E., on a random line bet. secs. 5 and 8.

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

Subdivision of T 2 S R 6 W -Continued

Chains

79.94 Intersect N. and E. line, 14 lks. S. of the cor. of secs. 4, 5, 8, and 9.

Thence I run

S. 89° 55' W., on a true line bet. secs. 5 and 8.

Over mountainous land; through heavy timber.

Descend .

39.97 Set a sandstone, 18x8x5 ins., 12 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; from which

A pinon pine, 6 ins. diam., bears N. 30° W., 30 lks. dist. marked $\frac{1}{4}$ S 5 B T.

A cedar, 8 ins. diam., bears S. 35° E., 40 lks. dist., marked $\frac{1}{4}$ S 8 B T.

47.50 Bottom of canon, 600 ft. below sec. cor., course S. 40° E.

Ascend .

70.00 Top of ridge, 600 ft. above canon, bears NW and SE.

Descend. .

79.94 The cor. of secs. 5, 6, 7, and 8.

Land, mountainous .

Soil, gravelly; 3rd rate.

Timber, cedar and pinon pine.

Undergrowth, a few scattering sage brush.

Good grass for grazing.

Mountainous or heavily timbered land, 79.94 chs

N. 89° 53' W., on a random line bet. secs. 6 and 7.

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

77.05 Intersect W. bdy. of Tp, 19 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 heavy timber

Subdivision of T. 2 S., R. 4 E., Continued

Chains	Ascend .
8.00	Top of ridge, 200 ft. above sec. cor., bears N. and S. Descend .
37.05	Set a sandstone, 16x8x4 ins., 11 ins. in the ground, for $\frac{1}{2}$ sec. cor., marked $\frac{1}{2}$ on N. face; from which A pinon pine, 30 ins. diam., bears N., 75 lks. dist., marked $\frac{1}{2}$ S. 6 B T. A pinon pine, 16 ins. diam., bears S. 30° W., 34 lks. dist., marked $\frac{1}{2}$ S. 7 B T.
51.50	Bottom of hollow, 600 ft. below ridge, course S. 60° E. Ascend . Enter scattering sage brush.
77.05	The cor. of secs. 5, 6, 7, and 8. Land, mountainous. Soil, gravelly and rocky; 3rd and 4th rate. Timber, cedar and pinon pine. Undergrowth, sage brush. Good grass for grazing. Mountainous or heavily timbered land, 77.05 chs.

	N. 0° 4' W., on a random line bet. secs. 5 and 6.
40.00	Set temp. $\frac{1}{2}$ sec. cor.
79.88	Intersect N. bdy. of Tp., 5 lks. N. 83° 50' W., of the cor. of secs. 5, 6, 31, and 32, heretofore described. Thence I run S. 0° 6' E., on a true line bet. secs. 5 and 6. Over mountainous land; through scattering timber. Descend .
39.88	Set a sandstone, 18x12x8 ins., 12 ins. in the ground, for $\frac{1}{2}$ sec. cor., marked $\frac{1}{2}$ on N. face; from which A pinon pine, 20 ins. diam., bears S. 45° E., 75 lks. dist., marked $\frac{1}{2}$ S. 5 B T. A pinon pine, 8 ins. diam., bears S. 30° W., 30 lks. dist., marked $\frac{1}{2}$ S. 6 B T.

Subdivision of T 2 S R 6 W -Continued.

Chains	
40.40	Bottom of canon, 800 ft. below sec. cor., course S. 20° E. Ascend
67.00	Top of ridge, 1000 ft. above canon, bears N. 45° W. and S. 45° E. Descend
79.88	The cor. of secs. 6, 6, 7, and 8. Land, mountainous. Soil, gravelly and rocky; 3rd and 4th rate. Timber, cedar and pinon pine. Good grass for grazing. Mountainous or heavily timbered land, 79.88 chs.

11 a.m. November 11, 1903.

GENERAL DESCRIPTION.

This entire township is extremely rough and precipitous, with the exception of two or three mesas. The soil on the mesas and in the bottom of DuChesne River Canon is generally sandy loam; 2nd rate, and the remainder of the township is generally gravelly and rocky; 3rd and 4th rate.

The DuChesne River, which has an average width of 75 lks. and an average depth of 2 ft. flows through the central part of the township from west to east. Rock Creek, which is about 60 lks. wide and $1\frac{1}{2}$ ft. deep, runs through the eastern part of secs. 1 and 12.

There is a little cultivated land in sec. 24, owned by an indian (name unknown).

There are no settlers in the township.

There is no mineral in the township.

There is a heavy growth of cedar and pinon pine timber all over the township, and some cottonwood

Chains

timber along the DuChesne River and Rock Creek.

The bottom of DuChesne River and Rock Creek Canons is covered with a very dense growth of willows, sage brush, rose bushes, bull berry brush, greasewoods, rabbit brush, and haws.

There is an abundant growth of rich and nutritious grasses all over the township..

Alfred L. Booth
U.S. Deputy Surveyor.

November 11, 1903.

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

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

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

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

showing the respective capacities in which they acted:

For final affidavits see book Z¹³ Tp. 2, S. R. 7. W. Chainman.

Chainman.

Moundman.

Moundman.

Arman.

Arman.

Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted.....

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

those parts or portions of the.....

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

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

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

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

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

(General for.....

For final affidavits see book Z¹³ Tp. 2, S. R. 7. W. Chainman.

Chainman.

Moundman.

Moundman.

Arman.

Arman.

Flagman.

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

day of....., 190..... }



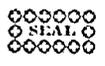
FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, _____, United States Deputy Surveyor, solemnly swear that, in pursuance of a contract received from _____, United States Surveyor General for _____, bearing date of _____ day of _____, 190____, I have well, faithfully, and truly, in my 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-25 Tp. 2 S. R. 7 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 the foregoing are the original field notes of such survey; and should any fraud be detected, I will incur 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____ }



APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL.

Salt Lake City, Utah, August 22, 190____

The foregoing field notes of the survey of the Subdivisional lines of Township No. 2 South, Range No. 6 West of the Uintah Special Base and Meridian, Utah, _____

executed by _____ Andrew J. Stewart Jr. and Alfred L. Booth, under their contract No. 270, dated July 22, 1903, 190____, having critically examined, and the necessary corrections and explanations made, the said field notes, and surveys they describe, are hereby approved.

United States Surveyor General

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

United States Surveyor General

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FILE
JUL 17 1905

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10
BOOK A-318

CORRECTIVE

FIELD NOTES

OF THE SURVEY OF THE

SUBDIVISION

of

Township No. 2 South, Range No. 6 West,

Of the UTAH SPECIAL BASE AND Meridian,

STATE OF UTAH

AS SURVEYED BY

Andrew J. Stewart^{Jr} and Alfred L. Booth, United States Deputy Surveyors

under ~~his~~ Contract No. 270, dated July 22, 1903, ~~XXXX~~

Survey commenced May 1, 1905, ~~XXXX~~

Survey completed May 2, 1905, ~~XXXX~~

NAMES AND DUTIES OF ASSISTANTS.

John Kienke Chairman

Archie Walton Chairman

George W. Ekins Moundman

Quinby Stewart Moundman

Hohn P. Madsen Axman

Richard Skousen Axman

Wm. Hubbard Flagman

For preliminary affidavits see book 1 p. 3 S.R. 4 W

INDEX DIAGRAM.

Township 2 South, Range 6 West.

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

Meanders Page.....

PRELIMINARY OATHS OF ASSISTANTS.

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

_____, Chainman
_____, Chainman

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



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

_____, Moundman
_____, Moundman

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



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

_____, Axman
_____, Axman

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



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
survey of _____

_____, Flagman

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



Corrective Notes of

Subdivision of T 2 S , R 6 W -

Survey commenced May 11, 1905, and executed with a W. and L. E. Gurley light mountain transit, No. - with solar attachment. The horizontal limb is provided with two double verniers placed opposite to each other, reading to single minutes of arc; which is also the least count of the verniers of the latitude and declination arcs.

The instrument was examined, tested on the meridian at Salt Lake City, found correct, and was approved by the surveyor general for Utah, on April 1, 1905.

At the cor. of secs. 23, 24, 25, and 26, latitude $40^{\circ}17'38''$ N., longitude $110^{\circ}33'15''$ W., I set off $40^{\circ}18'N.$, on the lat. arc; $15^{\circ}01'N.$, on the decl. arc; and at 7 h 2 m a.m., l.m.t., I determine a meridian with the solar.

Note: For complete test of instrument see notes of Subdivision of T. 3 S., R. 6 W.

From the cor. of secs. 23, 24, 25, and 26 which is a sandstone, $5 \times 15 \times 4$ ins., above ground, firmly set, from which

A pinon pine, 6 ins. dia., bears $N. 26^{\circ}45'E.$, 60 lks. dist. mkd. T 2 S R 6 W S 24 B T.

A pinon pine, 12 ins. dia., bears $S. 15^{\circ}30'E.$, 179 lks. dist. mkd. T 2 S R 6 W S 25 B T.

A pinon pine, 10 ins. dia., bears $S. 20^{\circ}W.$, 132 lks. dist. mkd. T 2 S R 6 W S 26 B T.

A pinon pine, 9 ins. dia., bears $N. 57^{\circ}15'W.$, 19 lks. dist. mkd. T 2 S R 6 W S 23 B T.

Thence I run

$N. 89^{\circ}56'E.$, on a random line bet. secs. 24 and 25.

40.05 Fall 10 lks. S. of $\frac{1}{4}$ sec. cor.

80.42 Intersect E. bdy. of Tps. 37 lks. S. of the cor. of secs. 19, 24, 25, and 30.

Thence I run

$S. 89^{\circ}40'W.$, on a true line bet. secs. 24 and 25.

40.21 Set a sandstone, $18 \times 12 \times 5$ ins., 12 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, N. of cor.

Corrective Notes of

Subdivision of T 2 S., R. 6 W -Continued.

- Chs. Note: I destroy all traces of the old cor.
- 80.42 The cor. of secs. 23, 24, 25, and 26.
Note: No change in topography.

- N. 0° 1' W., bet. secs. 23 and 24.
- 33.50 Intersect witness corner to $\frac{1}{4}$ sec. cor., which I now destroy.
- 40.00 Set a sandstone, 15x10x4 ins., 10 ins. in the ground, for $\frac{1}{4}$ sec. cor. mkd. $\frac{1}{4}$ on W. face; from which
 - A pinon pine, 4 ins. dia., bears S. 38° E., 22 lks. dist. mkd. $\frac{1}{4}$ S 24 B T.
 - A pinon pine, 6 ins. dia., bears S. 62° 30' W., 38 lks. dist. mkd. $\frac{1}{4}$ S 23 B T.

- 80.00 Fall 20 lks. W. of cor. of secs. 13, 14, 23, and 24.
I move the cor. 20 lks. W. and
Set a sandstone, 14x10x6 ins., 9 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, 1 $\frac{1}{2}$ ft. high, W. of cor.
Note: I destroy all traces of the old cor.
Note: No change in topography.

- N. 89° 46' E., on a random line bet. secs. 13 and 24.
- 40.30 Fall 10 lks. S. of $\frac{1}{4}$ sec. cor.
- 80.40 Intersect E. bdy. of Tp., 15 lks. S. of the cor. of secs. 13, 18 19, and 24.
Thence I run
S. 89° 40' W., on a true line bet. secs. 13 and 24.
- 40.20 Set a sandstone, 18x10x5 ins., 12 ins. in the ground, for

Corrective Notes of

Subdivision of T 2 S R 6 W -Continued

Chs. $\frac{1}{4}$ sec.cor..mkd. $\frac{1}{4}$ on N.face;and raise a mound of stone,
2 ft.base,1 $\frac{1}{2}$ ft.high,N.of cor.

Note:I destroy all traces of the old cor.

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

Note:No change in topography on this mile.

May 1,1905:At the noon hour the sky is overcast and
solar observations are impossible.

N.0°1'W.,bet.secs.13 and 14.

40.00 Fall 20 lks.W.of $\frac{1}{4}$ sec.cor.

I move the cor:20 lks.W.and

Set a sandstone,16x10x7 ins.,11 ins.in the ground,for
 $\frac{1}{4}$ sec.cor..mkd. $\frac{1}{4}$ on W.face;from which

A pinon pine,5 ins.dia.,bears S.20°45'E.,48
lks.dist..mkd. $\frac{1}{4}$ S 13 B T.

A pinon pine,5 ins.dia.,bears S.89°30'W.,20
lks.dist..mkd. $\frac{1}{4}$ S 14 B T.

Note:I destroy all traces of the old cor.

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

I move the cor.30 lks.N.and at

80.00 Set a sandstone,18x8x7 ins.,12 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;from which.

A pinon pine,8 ins.dia.,bears N.55°30'E.,57
lks.dist..mkd.T 2 S R 6 W S 12 B T.

A pinon pine,7 ins.dia.,bears S.22°30'E.,90
lks.dist..mkd.T 2 S R 6 W S 13 B T.

A pinon pine,7 ins.dia.,bears S.42°30'W.,99
lks.dist..mkd.T 2 S R 6 W S 14 B T.

A pinon pine,8 ins.dia.,bears N.36°W.,63 lks.
dist..mkd.T 2 S R 6 W S 11 B T.

Note:I destroy all traces of the old cor.

Note:No change in topography.

Corrective Notes of

Subdivision of T.2 S. R.6 W.-Continued.

Chs. Note: This is the corrected description of this cor. made after the cor. was moved while with Examiner Pidgeon as per his letter of July 8, 1905.

N. 89° 40' E., on a random line bet. secs. 12 and 13.

40.18 Fall 3 lks. N. of $\frac{1}{4}$ sec. cor.

80.48 Intersect E. bdy. of Tp., at the cor. of secs. 7, 12, 13, and 18; thence I run

S. 89° 40' W., on a true line bet. secs. 12 and 13.

40.24 A sandstone boulder, in place, 12x6x2 ft. above ground, for $\frac{1}{4}$ sec. cor., I mark a + at the exact cor. point and $\frac{1}{4}$ on N. face; from which

A pinon pine, 7 ins. dia., bears N. 51° W., 50 lks. dist. mkd. $\frac{1}{4}$ S 12 B T.

A pinon pine, 16 ins. dia., bears S. 35° 30' W., 16 lks. dist. mkd. $\frac{1}{4}$ S 13 B T.

Note: I destroy all traces of the old cor.

Note: This is the last description taken of this cor. see Examiners Pidgeon's letter of July 8, 1905.

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

Note: No change in topography.

N. 0° 1' W., bet. secs. 11 and 12.

40.00 The $\frac{1}{4}$ sec. cor. bet. secs. 11 and 12., on line, properly described in the original field notes.

80.00 The cor. of secs. 1, 2, 11, and 12. on line.

Properly described in the original field notes.

Note: No change in topography.

Corrective Notes of

Subdivision of T.2 S., R.6 W.-Continued.

Chs.

May 1, 1905.

May 2, 1905: At 7 h 2 m a.m., l.m.t. I set off $40^{\circ}19'N.$, on the lat. arc; $15^{\circ}19'N.$, on the decl. arc; and determine a meridian with the solar, at the cor. of secs. 1, 2, 11, and 12.

Thence I run

$N.89^{\circ}50'E.$, on a random line bet. secs. 1 and 12.

40.06 Fall 13 lks. S. of $\frac{1}{4}$ sec. cor.

80.26 Intersect E. bdy. of Tp., 12 lks. S. of the cor. of secs. 1, 6, 7, and 12.

Thence I run

$S.89^{\circ}45'W.$, on a true line bet. secs. 1 and 12.

40.13 Set a sandstone, $18 \times 10 \times 4$ ins., 12 ins. in the ground, for $\frac{1}{4}$ sec. cor. mkd. $\frac{1}{2}$ on N. face; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.

Note: I destroy all traces of the old cor.

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

Note: No change in topography.

From the cor. of secs. 14, 15, 22, and 23.; which is a sandstone, $6 \times 7 \times 7$ ins., above ground, firmly set, and mkd. and witnessed as described in the original field notes.

Thence I run

$N.89^{\circ}40'E.$, on a random line bet. secs. 14 and 23.

39.98 Fall 10 lks. S. of $\frac{1}{4}$ sec. cor.

79.90 Intersect N. and S. line, at the cor. of secs. 13, 14, 23, and 24.

Corrective Notes of

Subdivision of T 2 S R 6 W -Continued

- Chs. Thence I run
S. 89° 40' W., on a true line bet. secs. 14 and 23.
- 39.95 Set a sandstone, 14x12x10 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.
Note: I destroy all traces of the old cor.
- 79.90 The cor. of secs. 14, 15, 22, and 23.
Note: No change in topography.
May 2, 1905: At the noon hour the sky is overcast and
solar observations are impossible.
-
- From the cor. of secs. 10, 11, 14, and 15., which is a sand-
stone, 6x11x4 ins., above ground, firmly set, and mkd. and
witnessed as described in the original field notes.
- Thence I run
N. 89° 48' E., on a random line bet. secs. 11 and 14.
- 40.22 Fall 13 lks. S. of ¼ sec. cor.
- 80.10 Intersect N. and S. line, 3 lks. N. of cor. secs. 11, 12, 13, and
14.
- Thence I run
S. 89° 49' W., on a true line bet. secs. 11 and 14.
- 40.05 Set a sandstone, 18x10x5 ins., 12 ins. in the ground, for
¼ sec. cor. mkd. ¼ on N. face; from which
A pinon pine, 14 ins. dia., bears N. 29° E., 35
lks. dist. mkd. ¼ S 11 B T.
A pinon pine, 24 ins. dia., bears S. 13° W., 20
lks. dist. mkd. ¼ S 14 B T.
- Note: I destroy all traces of the old cor.
- 80.10 The cor. of secs. 10, 11, 14, and 15.
Note: No change in topography.
-

Corrective Notes of

Subdivision of T 2 S R 6 W -Continued

Chs.

From the cor. of secs. 2, 3, 10, and 11, which is a sandstone, 5x12x4 ins., above ground, firmly set, and from which

A pinon pine, 16 ins. dia., bears N. 45° E., 82 lks. dist. mkd. T 2 S R 6 W S 2 B T.

A pinon pine, 24 ins. dia., bears S. 69° E., 133 lks. dist. mkd. T 2 S R 6 W S 11 B T.

A pinon pine, 10 in. dia., bears S. 67° W., 144 lks. dist. mkd. T 2 S R 6 W S 10 B T.

A pinon pine, 12 ins. dia., bears N. 65° W., 120 lks. dist. mkd. T 2 S R 6 W S 3 B T.

Thence I run

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

39.99 Fall 2 lks. S. of $\frac{1}{4}$ sec. cor.

80.18 Intersect N. and S. line, 30 lks. S. of the cor. of secs. 1, 2, 11, and 12.

Thence I run

S 89° 45' W., on a true line bet. secs. 2 and 11.

40.09 Set a sandstone, 30x20x10 ins., 22 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, N. of cor.

Note: I destroy all traces of the old cor.

80.18 The cor. of secs. 2, 3, 10, and 11.

Note: No change in topography on this mile.

May 2, 1905.

Andrew Stewart Jr.
U.S. Deputy Surveyor.

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

Andrew Stewart Jr.

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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 Andrew J. Stewart Jr. and
Alfred S. Booth, 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 Sub-division Tps.
S., Rs. 4, 5, & 6 W. and Tps. 2 S., Rs. 4, 5, & 6 W. of the Uintah Spe-
cial Base and Meridian, Utah,
 showing the respective capacities in which they acted:

- John Kienke Chainman.
- Archie Walton Chainman.
- George W. Ekins Moundman.
- Quimby Stewart Moundman.
- John P. Madsen Arman.
- Richard Skousen Arman.
- Wm Burridge Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted Andrew J. Stewart Jr.
 United States Deputy Surveyor, in surveying all
 those parts or portions of the Subdivision of Tps. 3 S., Rs. 4, 5, &
6 W. and Tps. 2 S., Rs. 4, 5, & 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

- John Kienke Chainman.
- Archie Walton Chainman.
- George W. Ekins Moundman.
- Quimby Stewart Moundman.
- John P. Madsen Arman.
- Richard Skousen Arman.
- Wm Burridge Flagman.

Subscribed and sworn to before me this 2nd
 day of May, 1905



Andrew Stewart Jr.
U. S. Deputy Surveyor

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, Andrew J. Stewart Jr., United States Deputy Surveyor, solemnly swear that, in pursuance of a contract received from Edward H. Anderson United States Surveyor General for Utah, bearing date of 22d day of July, 1903, I have well, faithfully, and truly, in my proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for Utah, the Manual of Surveying Instructions, and the laws of United States, surveyed all those parts or portions of the subdivision of Tps. 3 S., Rs. 4, 5, and 6 West; and Tps. 2 S., Rs. 4, 5, and 6 West

of the Uintah Special Base meridian, in the State of Utah, which are represented in correctives in books 136, 89 & 10 foregoing field notes as having been surveyed by me, and under my direction; and I do further swear that all the corners of said survey have been established and perpetuated in strict accordance the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for Utah and in the specific manner described in the field notes, and the foregoing are the original field notes of such survey.

Andrew J. Stewart Jr. United States Deputy Surveyor

Subscribed by said Andrew J. Stewart Jr., and sworn to before me this 14th day of August, 1905.

Edward H. Anderson U.S. Surveyor Gen. for &



APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Corrected The foregoing field notes of the survey of the subdiv. divisions of Township 2 South Range 6 West of the Uintah Special Base & Meridian, Utah. Salt Lake City, Utah Aug 29 1905

executed by Andrew J. Stewart Jr. Alfred L. Booth under his contract No. 270, dated July 29, 1903, having critically examined, and the necessary corrections and explanations made, the said field notes, and surveys they describe, are hereby approved.

Edward H. Anderson United States Surveyor Gen.

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

United States Surveyor Gen.

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11/10

FIELD NOTES

OF THE SURVEY OF THE

W.H.

WEST BOUNDARY

of

Township No. 1 South, Range No. 6 West

Of the Uintah SPECIAL BASE AND Meridian,

Utah

AS SURVEYED BY

Andrew J. Stewart Jr. and Alfred L. Booth, United States Deputy Surveyors

their

Under ~~the~~ Contract No. 270, dated July 22, 1903, ~~1893~~

Survey commenced November 8, 1903, ~~1893~~

Survey completed November 9, 1903, ~~1893~~

6 12 5
copy

NAMES AND DUTIES OF ASSISTANTS.

Joseph E. Pickens	Chairman
Jacob A. Acord	Chainman
Arthur C. Thompson	Moundman
Paul Ashworth	Moundman
Thomas E. Taylor Jr.	Axman
John H. Kienke	Axman
Quinby Stewart	Flagman

For preliminary affidavits see book *20*, Tp. 15 R. 5 *22*

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Volume

#

R0318

BOOK A-318

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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 }



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 }



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 }



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 }



West boundary of T.1 S., R.6 W., S.10, T.10 N.

Chains Survey commenced November 8, 1903: and executed with a W. and L. E. Gurley light mountain transit, No. 1, with solar attachment. The horizontal limb is provided with two double verniers placed opposite to each other, reading to single minutes of arc; which is also the least count of the 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 10, 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. Tps. 1 and 2 S., Rs. 6 and 7 W., Latitude $40^{\circ} 21' 07'' N.$, longitude $110^{\circ} 38' 54'' W.$, I set off $40^{\circ} 21' N.$, on the lat. arc; $16^{\circ} 24' S.$, on the decl. arc; and at 4 h 5 m p.m., l.m.t., determine a meridian with the solar, and mark a point thereof on a stone firmly set in the ground, 5.00 chs. N. of the cor.

November 8, 1903.

November 9, 1903. At 4 h 11.8 m a.m., l.m.t., I observe Polaris at western 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 my station.

At 7 h 35 m a.m., l.m.t., I lay off the azimuth of Polaris $1^{\circ} 34.8'$ to the east, and mark the meridian thus determined, by cutting a small groove in the stone, already set 5.00 ch. N. of the cor.; this mark falls 0.35 ins. east of the mark determined with the solar.

West boundary of T 1 S. R 6 W -Continued

Chains	<p>At 8 h 3 m a.m., l.m.t., I set off $40^{\circ}21'N.$, on the lat. arc; $16^{\circ}35'S.$, 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 0.30 ins. east of the meridian established by Polaris observation.</p> <p>The solar apparatus by p.m. and a.m. observations defines positions for meridians, respectively about $0'18''$ west and $0'16''$ east of the meridian established by Polaris observation; therefore I conclude that the adjustments of the instrument are satisfactory.</p> <p>The magnetic bearing of the meridian, at 8 h 30 m a.m. is $N. 16^{\circ}44'W.$; the angle thus determined, gives the mag decl. $16^{\circ}44'E.$</p> <p style="text-align: center;">_____</p> <p>North, bet. secs. 31 and 36.</p> <p>Over mountainous land through heavy timber.</p> <p>Descend.</p> <p>5.10 Bottom of canon, 150 ft. below Tp. cor., course $S. 80^{\circ} E.$</p> <p>Ascend abruptly.</p> <p>27.85 Top of ridge, 600 ft. above canon, bears $N. 80^{\circ} E.$ and $S. 80^{\circ} W.$</p> <p>This is the divide ridge between DuChesne River and Rock Creek Canons.</p> <p>Descend .</p> <p>40.00 Set a sandstone, $16 \times 10 \times 5$ ins., 11 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face; from which</p> <p style="padding-left: 40px;">A pinon pine, 12 ins. diam., bears $S. 20^{\circ} E.$, 101 lks. dist., marked $\frac{1}{4}$ S 31 B T.</p> <p style="padding-left: 40px;">A pinon pine, 10 ins. diam., bears $S. 30^{\circ} W.$, 144 lks. dist., marked $\frac{1}{4}$ S 36 B T.</p> <p>43.85 Bottom of hollow, 600 ft. below ridge, course $S. 80^{\circ} W.$</p>
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at boundary of T 1 S R 6 W S 30 B T. -Cont'd

- Chains Ascend .
- 52.85 Top of ridge, 200 ft. above hollow, bears N. 60° E. and S. 60° W.
- Descend .
- 65.80 Bottom of hollow, 120 ft. below ridge, course S. 20° W.
- Ascend .
- 80.00 Set a sandstone, 12x10x6 ins., 8 ins. in the ground, for cor. of secs. 25, 30, 31, and 36, marked with 5 notches on N. and 1 notch on S. edges; from which
- A pinon pine, 14 ins. diam., bears N. 80° E., 75 lks. dist., marked T 1 S R 6 W S 30 B T.
- A pinon pine, 12 ins. diam., bears S. 80° E., 60 lks. dist., marked T 1 S R 6 W S 31 B T.
- A pinon pine, 14 ins. diam., bears S. 25° W., 30 lks. dist., marked T 1 S R 7 W S 36 B T.
- A pinon pine, 12 ins. diam., bears N. 30° W., 45 lks. dist., marked T 1 S R 7 W S 25 B T.
- Land, mountainous.
- Soil, gravelly; 3rd rate.
- Timber, cedar and pinon pine.
- Good grass for grazing.
- Mountainous land, and heavily timbered land, 80.00 chs.

North, bet. secs. 25 and 30.

Over mountainous land, through heavy timber.

Ascend .

- 21.75 Top of ridge, 650 ft. above sec. cor., bears NW and SE.

Descend .

- 22.00 Leave timber and enter dense undergrowth, bears NW and SE.

- 36.05 Bottom of canon, 600 ft. below ridge, course S. 40° E.

Ascend .

- 40.00 Set a sandstone, 14x9x5 ins., 9 ins. in the ground,

West boundary of T.1 S. R. 6 W. -Continued

	Chains for $\frac{1}{2}$ sec. cor., marked $\frac{1}{2}$ on W. face; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
50.00	Enter heavy timber and leave undergrowth, bears NW and SE.
62.85	Leave timber and enter dense undergrowth, bears NW and SE.
80.00	Set a hard sandstone, 16x9x5 ins., 11 ins. in the ground, for cor. of secs. 19, 24, 25, and 30; marked with 4 notches on N. and 2 notches on S. edges; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
	Land, mountainous.
	Soil, gravelly; 3rd rate.
	Timber, cedar and pinon pine.
	Undergrowth, sage brush, service berry, and deer brush.
	Good grass for grazing.
	Mountainous or heavily timbered land, or land covered with dense undergrowth, 80.00 chs.

	North, bet. secs. 19 and 24.
	Over mountainous land; through dense undergrowth and scattering timber.
	Ascend .
9.50	Top of ridge, divide ridge between DuChesne River and Rock Creek canon, 300 ft. above sec. cor.; bears N. 50° W. and S. 50° E.
	Descend .
23.00	Bottom of canon, 400 ft. below ridge, course SE.
	Ascend .
40.00	Set a quartzite stone, 16x10x4 ins., 11 ins. in the ground, for $\frac{1}{2}$ sec. cor., marked $\frac{1}{2}$ on W. face; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
65.30	Enter heavy aspen and pine timber, bears E. and W.
65.40	Top of ridge, 450 ft. above canon, bears N. 80° W. and S. 80° E.

W st. boundary of T 1 S R 6 W -Continued

Chains

Descend .

77.00 Hollow, 140 ft. below ridge, course S. 65° E. Ascend .

80.00 Set a quartzite stone, 18x12x8 ins., 12 ins. in the ground; for cor. of secs. 13, 18, 19, and 24, marked with 3 notches on N., and S. edges; from which

An aspen 4 ins. diam., bears N. 42° E., 53

lks. dist., marked T 1 S R 6 W S 18 B T.

An aspen, 6 ins. diam., bears S. 45° E., 35 lks.

dist., marked T 1 S R 6 W S 19 B T.

An aspen, 8 ins. diam., bears S. 45° W., 50 lks.

dist., marked T 1 S R 7 W S 24 B T.

A spruce, 6 ins. diam., bears N. 48° W., 32 lks.

dist., marked T 1 S R 7 W S 13 B T.

Land, mountainous.

Soil, gravelly; 3rd rate.

Timber, aspen, spruce, cedar, pinon pine, and red pine.

Undergrowth, aspen saplings, service berry, and deer brush.

Good grass for grazing.

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

November 9, 1903: At this cor. I set off 16° 40' S, 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° 24' N., which is the proper lat. nearly.

North, bet. secs. 13 and 18.

Over mountainous land; through heavy timber.

Ascend .

10.85 Top of ridge, 400 ft. above sec. cor., bears N. 80° W. and S. 80° E.

Descend .

17.85 Bottom, of hollow, 250 ft. below ridge, course S. 60° E.

West boundary of T 1 S R 6 W -Continued

Chains	Ascend .
22.15	Leave timber, and enter dense undergrowth, bears E. and W.
40.00	Set a sandstone, 15x12x5 ins., 10 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
41.85	Leave undergrowth and enter heavy timber, bears E. and W.
	Top of ridge, 300 ft. above hollow, bears N. 70° W. and S. 70° E.
	Descend.
64.80	Bottom of canon, 400 ft. below ridge, course S. 60° E.
	Ascend .
69.75	Leave timber and enter dense undergrowth, bears E. and W.
80.00	250 ft. above canon.
	Set a sandstone, 20x12x8 ins., 15 ins. in the ground, for cor. of secs. 7, 12, 13, and 18, marked with 2 notches on N. and 4 notches on S. edges; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
	Land, mountainous.
	Soil, gravelly; 3rd rate.
	Timber, aspen and pine.
	Undergrowth, service berry and deer brush.
	Good grass for grazing.
	Mountainous or heavily timbered land, or land covered with dense undergrowth, 80.00 chs.

	North, bet. secs. 7 and 12.
	Over mountainous land; through dense undergrowth.
	Ascend .
5.30	Enter heavy timber and leave undergrowth, bears E. and W.

West boundary of T.1 S R.6 W.-Continued.

Chains

6.80 Top of ridge, 200 ft. above sec. cor., bears N. 80° W. and S. 80° E.

Descend .

40.00 Set a sandstone, 18x12x6 ins., 12 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face; from which

A red pine, 4 ins. diam., bears N. 75° E., 20 lks. dist., marked $\frac{1}{4}$ S 7 B T.

A red pine, 4 ins. diam., bears S. 80° W., 25 lks. dist., marked $\frac{1}{4}$ S 12 B T.

46.00 Bottom of hollow, 400 ft. below ridge. course E.

Ascend .

80.00 Set a sandstone, 12x12x8 ins., 8 ins. in the ground, for cor. of secs. 1, 6, 7, and 12, marked with 1 notch on N. and 5 notches on S. edges; from which

A red pine, 12 ins. diam., bears N. 27° E., 65 lks. dist., marked T 1 S R 6 W S 6 B T.

A red pine, 13 ins. diam., bears S. 27° E., 72 lks. dist., marked T 1 S R 6 W S 7 B T.

A red pine, 10 ins. diam., bears S. 50° W., 70 lks. dist., marked T 1 S R 7 W S 12 B T.

A spruce, 5 ins. diam., bears N. 80° W., 90 lks. dist., marked T 1 S R 7 W S 1 B T.

Land, mountainous.

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

Timber, red pine, spruce, and aspen.

Undergrowth, aspen saplings, service berry, and deer brush.

Good grass for grazing

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

North, bet. secs. 1 and 6.

Over mountainous land; through heavy timber.

West boundary of T.1 S., R.6 W.-Continued

Chains Ascend .

37.85 Top of highest ridge on west boundary, 600 ft. above sec. cor., bears E. and W.

Descend abruptly . Enter dense undergrowth.

40.00 Set a sandstone, 12x10x6 ins., 8 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face; from which

A red pine, 4 ins. diam., bears S. 82° E., 30 lks. dist., marked $\frac{1}{4}$ S 6 B T.

A red pine, 8 ins. diam., bears N. 60° W., 45 lks. dist., marked $\frac{1}{4}$ S 1 B T.

93.75 Intersect the Uintah Special Base, 20.37 chs. East of the standard cor of Tps. 1 N., Rs. 6 and 7 W., which is a trachyte stone, 6x10x10 ins., above ground, firmly set, and marked and witnessed as described by Deputy H. D. Heist, Contract No. 266.

Set a quartzite stone, 20x12x12 ins., 15 ins. in the ground, for closing cor. of Tps. 1 S., Rs. 6 and 7 W., marked CC 1 S. on S; 6 W on E.; and 7 W on W. faces; with 6 grooves on S., E., and W. faces; from which

An aspen, 8 ins. diam., bears S. 19° E., 17 lks. dist., marked T 1 S R 6 W S 6 B T.

An aspen, 7 ins. diam., bears S. 34° W., 13 lks. dist., marked T 1 S R 7 W S 1 B T.

This cor. is 1500 ft. below ridge.

Land, mountainous.

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

Timber, aspen, red pine, spruce, and white pine.

Undergrowth, service berry, deer brush, and aspen saplings.

Good grass for grazing.

Mountainous or heavily timbered land, or land covered with dense undergrowth, 93.75 chs.

November 9, 1903.

Boundaries of T.1 S.,R.6 W.-Concluded.

Latitudes,departures,and closing errors.

Line Designated	True Bearing	Distance chs.	Latitudes		Departures	
			N. chs.	S. chs.	E. chs.	W. chs.
W.bdy.T.1 S.,R.6 W.	North	493.75	493.75			
Uintah Special Base	East	475.98			475.98	
E.bdy.T.1 S.,R.6 W.	South	492.66		492.66		
S.bdy.T.1 S.R.6 W.	S.89° 50' W.	476.80		1.39		476.80
Convergency					.61	
Totals			493.75	494.05	476.59	476.80
Error in lat.				493.75		
Error in dep.				.30		476.59
						.21

GENERAL DESCRIPTION.

This township is high and steep in the western part and more rolling in the central and eastern part. It is well watered and well timbered. It should be subdivided.

Andrew J. Stewart

U.S. Deputy Surveyor.

November 9, 1903.

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FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by _____

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

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

showing the respective capacities in which they acted:

For final affidavits see book *Z¹⁰* Tp. *3 S* R. *7 W* _____, Chainman.

_____, Chainman.

_____, Moundman.

_____, Moundman.

_____, Axman.

_____, Axman.

_____, Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted _____

_____, United States Deputy Surveyor, in surveying all

those parts or portions of the _____

_____ of the _____

_____ meridian, _____ of _____, which are represented

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

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

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

General for _____

For final affidavits see book *Z¹⁰* Tp. *3 S* R. *7 W* _____, Chainman.

_____, Chainman.

_____, Moundman.

_____, Moundman.

_____, Axman.

_____, Axman.

_____, Flagman.

described and sworn to before me this _____ }

day of _____, 189 _____ }



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 210 Tp. 35 R. 79

_____ 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 _____ }



APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, August 22, 1894

The foregoing field notes of the survey of the West Boundary of Township No. 1 South of Range No. 6 West of the Uintah Special Base and Meridian, Utah

executed by Andrew J. Stewart Jr. and Alfred L. Booth under their contract No. 270, dated July 22, 1903, 1894, having been critically examined, and the necessary corrections and explanations made, the said field notes, and surveys they describe, are hereby approved.

Edward Henderson United States Surveyor General

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

United States Surveyor General.

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FIELD
APP 6 10
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BOOK A-318

6
Z.

L.H.

FIELD NOTES

OF THE SURVEY OF THE

SUBDIVISION

of

Township No. 1 South, Range No. 6 West.

Of the UTAH SPECIAL BASE AND Meridian,

UTAH

AS SURVEYED BY

Andrew J. Stewart Jr. & Alfred L. Booth, United States Deputy Surveyor,
their
Under ~~his~~ Contract No. 270, dated July 22, 1903, 189
Survey commenced November 10, 1903, 189
Survey completed November 21, 1903, 189

*High 60 52 18 ✓
Clog 101 6 1/2*

120
Book 10013

NAMES AND DUTIES OF ASSISTANTS.

Joseph E. Pickens Chairman

Jacob A. Acord Chairman

Arthur C. Thompson Moundman

Paul Ashworth Moundman

Thomas E. Taylor Jr. Axman

John H. Kienke Axman

Quinby Stewart Flagman

For preliminary affidavits see book *D. Tp. 45 R. 4 R.*

BOOK A-318

INDEX DIAGRAM.

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Meanders Page

PRELIMINARY OATHS OF ASSISTANTS.

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

_____, *Chainman.*

_____, *Chainman.*

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



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 _____ }



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 _____ }



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 _____ }



Subdivision of T.1 S. R.6 W.-

Survey commenced November 10, 1903, and executed with a W. & L. E. Gurley light mountain transit, No. 1, with solar attachment. The horizontal limb is provided with two double verniers placed opposite to each other, reading to single minutes of arc; which is also the least count of the 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 10, 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 determined with the Polaris observation, I proceed as follows:

At the cor. of secs. 1, 2, 35, and 36, on S. bdy. of Tp., heretofore described, latitude $40^{\circ} 21' 07''$ N., longitude $110^{\circ} 33' 15''$ W., I set off $40^{\circ} 21'$ N., on the lat. arc; $16^{\circ} 58'$ S., on the decl. arc; and at 4 h 0 m p.m., l.m.t., determine with the solar a. meridian, and mark a point thereof on a stone set firmly in the ground, 5.00 chs. N. of the cor.

November 10, 1903.

November 11, 1903: At 4 h 4 m a.m., l.m.t., I observe Polaris at western 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 7 h 30 m a.m., l.m.t., I lay off the azimuth of Polaris $1^{\circ} 34.8'$ to the east, and mark the meridian thus determined, by cutting a small groove in the stone already set 5.00 chs. North of the cor.; which falls .0.29 ins. east of the mark determined with the solar.

Subdivision of T.1 S., R.6 W. -Continued.

Chains	<p>At 8 h 2 m a.m., l.m.t., I set off $40^{\circ}21'N.$, on the lat.arc; $17^{\circ}10'S.$, 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 0.33 ins. east of the meridian established by Polaris observation.</p> <p>The solar apparatus by p.m. and a.m. observation, defines positions for meridians respectively about $0'15''$ west and $0'17''$ east of the meridian established by the Polaris observation; therefore I conclude that the adjustments of the instrument are satisfactory.</p> <p>The magnetic bearing of the meridian, at 8 h 30 m a.m. is $N.16^{\circ}43'W.$, the angle thus determined gives the mag. decl. $16^{\circ}43'E.$</p> <hr/> <p>From the cor. of secs. 1, 2, 35, and 36.</p> <p>I run.</p> <p style="padding-left: 40px;">$N.0^{\circ}1'W.$, bet. secs. 35 and 36.</p> <p>Over mountainous land; through dense undergrowth and scattering timber.</p> <p>Ascend .</p> <p>4.00 Top of ridge, 100 ft. above sec. cor., bears E. and W.</p> <p>Descend over ledges.</p> <p>20.00 Bottom of canon, 450 ft. below ridge, course SE.</p> <p>Ascend .</p> <p>35.00 Top of ridge, 500 ft. above canon, bears NW and SE.</p> <p>Leave ledges, bears NW and SE.</p> <p>Descend .</p> <p>40.00 Set a quartzite stone, $14 \times 8 \times 6$ ins., 9 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.</p> <p>50.00 Bottom of hollow, 300 ft. below ridge, course SE.</p> <p>Ascend .</p> <p>74.00 Top of ridge, 220 ft. above hollow, bears NW and SE.</p>
--------	--

Subdivision of T.1 S., R.6 W., -Continued

Chains	Descend .
80.00	Set a sandstone, 18x9x5 ins., 12 ins. in the ground, for cor. of secs. 25, 26, 35, and 36, marked with 1 notch on S. and 1 notch on E. edges; and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor. Land, mountainous. Soil, sandy 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, 80.00 chs.

	N. 89° 50' E., on a random line bet. secs. 25 and 36.
40.00	Set temp. ½ sec. cor.
80.18	Intersect E. bdy. of Tp., at the cor. of secs. 25 and 36 heretofore described. Thence I run S. 89° 50' W., on a true line bet. secs. 25 and 36. Over mountainous land; through scattering timber. Descend .
2.15	Foot of descent, 100 ft. below sec. cor., bears N. and W. Enter bottom of Rock Creek Canon. Leave timber.
2.25	Left bank of Rock Creek, rapid current, rocky bottom, 1½ ft. deep, course S.
2.95	Right bank of Rock Creek. Enter dense undergrowth and scattering timber, bears N. and S.
14.00	Old road, bears N. 10° W. and S. 10° E.
18.00	Leave canon bottom, bears N. and S. Leave undergrowth, bears N. and S. Ascend .
24.75	Top of ascent, 500 ft. above canon bottom, bears N. and S..

Subdivision of T. 7 S. R. 6 W. -Continued

- Chains Thence over mesa through dense sage brush
- 38.10 Leave mesa, bears N. and S.
Ascend abruptly.
- 40.09 Set a sand cobble stone, 16x10x5 ins., 11 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.
- 42.00 Top of ascent, 150 ft. above mesa, bears N. and S.
Thence over mesa.
- 43.00 Enter heavy timber, bears N. and S. and leave sage
brush, bears N. and S.
- 50.00 Leave timber and enter dense undergrowth, bears
N. and S.
- 62.50 Leave mesa, bears N. 30° W. and S. 30° E.
Ascend
- 76.00 Top of ridge, 150 ft. above mesa, bears N. 20° W. and
S. 20° E.
Descend
- 80.18 The cor. of secs. 25, 26, 35, and 36.
Land, mountainous and level.
Soil, sandy and gravelly loam and rocky; 2nd and 4th
rate.
Timber, cedar and pinon pine and cottonwood.
Undergrowth, sage brush, greasewoods, and willows.
Good grass for grazing.
Mountainous or heavily timbered land, or land covered
with dense undergrowth, 80.18 chs.
-
- N. 0° 1' W., bet. secs. 25 and 26.
Over mountainous land; through dense undergrowth and
dead timber.
Descend
- .20 Bottom of swale, 5 ft. below sec. cor., course N. 80° W.
Ascend

Subdivision of T 1 S R 6 W -Continued

Chains

12.50 Top of ridge, 20 ft. above hollow, bears N. 6° W. and S. 8° E.
 Leave dead timber, bears with ridge.
 Descend ..

29.00 Foot of descent, 50 ft. below ridge, bears N. 35° W. and S. 35° E.
 Thence over mesa.

40.00 Set a cobble stone, 18x12x6 ins., 12 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face; from which
 A pinon pine, 12 ins. diam., bears W., 380 lks. dist., marked $\frac{1}{4}$ S 26 B T.
 No other tree within limits; dig a pit, 18x18x12 ins. N. of stone, 3 ft. dist.; and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

50.00 Leave mesa, bears N. 80° W. and S. 80° E.
 Descend .

64.00 Bottom of hollow, 500 ft. below mesa, course S. 80° E.
 Ascend ..

64.50 Enter heavy timber and leave undergrowth, bears N. 80° W. and S. 80° E.

72.00 Top of spur, 500 ft. above hollow, bears NW and SE.
 Descend .

80.00 Set a sandstone, 18x12x8 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 pinon pine, 10 ins. diam., bears N. 25° E., 45 lks. dist., marked T 1 S R 6 W S 24 B T.
 A pinon pine, 12 ins. diam., bears S. 53° E., 60 lks. dist., marked T 1 S R 6 W S 25 B T.
 A pinon pine, 13 ins. diam. bears S. 25° W., 170 lks. dist., marked T 1 S R 6 W S 26 B T.
 A pinon pine, 11 ins. diam., bears N. 75° W., 29 lks. dist., marked T 1 S R 6 W S 23 B T.

Land, mountainous and level.

Subdivision of T.1 S R 6 W -Continued

Chains Soil, sandy loam and gravelly; 2nd and 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.
 November 11, 1903: At this cor. I set off $17^{\circ}14'S.$, 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 $40^{\circ}23'$
 N., which is the proper lat. nearly.

N. $89^{\circ}50'E.$, on a random line bet. secs. 24 and 25.

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

80.20 Intersect E. bdy. of Tp., at the cor. of secs. 24 and 25,
 heretofore described.
 Thence I run
 S. $89^{\circ}50'W.$, on a true line bet. secs. 24 and 25.
 Over mountainous land; through heavy timber.
 Descend .

6.00 Bottom of hollow, 40 ft. below sec. cor., course S. 60° .
 W.
 Ascend .

7.00 Point of spur, 30 ft. above hollow, bears N. and S.
 Descend .

8.50 Foot of descent, 50 ft. below spur, bears N. and S.
 Leave timber and enter dense undergrowth, bears N.
 and S.
 Enter bottom of Rock Creek Canon.

12.00 Left bank of high water channel of Rock Creek, 10 ft.
 high, bears N. and S.
 Thence across rocky creek bed .

19.55 Left bank of Rock Creek, rapid current, rocky bottom,
 $1\frac{1}{2}$ ft. deep, course S.

Subdivision of T 1 S R 6 W.-Continued.

Chains

- 20.00 Right bank of Rock Creek.
Enter heavy cottonwood timber, bears N. and S.
- 30.00 Old road, bears N. and S.
- 31.00 Leave canon bottom, bears N. and S.
Leave undergrowth and cottonwood timber, bears N. and S.
Ascend .
- 38.00 Top of ascent, 150 ft. above canon bottom, bears N. and S.
Thence over rolling mesa; through dense undergrowth and scattering timber .
- 40.10 Set a cobble stone, 18x10x4 ins., 12 ins. in the ground for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; from which
A cedar, 7 ins. diam., bears N. 45° E., 85 lks. dist., marked $\frac{1}{2}$ S 24 B T.
A cedar, 4 ins. diam., bears S. 10° W., 49 lks. dist., marked $\frac{1}{4}$ S 25 B T.
- 45.00 Leave undergrowth and enter heavy timber, bears N. and S.
- 54.00 Leave mesa, bears N. 20° W. and S. 20° E.
Ascend .
- 60.00 Top of ascent, 150 ft. above mesa, bears N. 20° W. and S. 20° E.
Thence over mesa.
- 68.00 Leave mesa, bears N. 20° W. and S. 20° E.
Descend .
- 74.00 Ledge of yellow sandstone, 40 ft. high, bears NW and S E.
- 75.20 Bottom of hollow, 200 ft. below mesa, course SE.
Ascend .
- 80.20 The cor. of secs. 23, 24, 25, and 26.
Land, mountainous and level.
Soil, sandy and gravelly; 2nd and 3rd rate.
Timber, cedar and pinon pine and cottonwood.

Subdivision of T.1 S., R.6 W. - Continued.

Chains	Undergrowth, sage brush, willows, and greasewoods. Good grass for grazing. Mountainous or heavily timbered land, or land covered with dense undergrowth, 80.20 chs.
	N. 0° 01' W., bet. secs. 23 and 24.
	Over mountainous land; through heavy timber and dense undergrowth.
	Descend .
3.50	Bottom of hollow, 180 ft. below sec. cor., course S. 60° E.
	Ascend .
15.70	Top of ascent, 200 ft. above hollow, bears NW and SE. Leave heavy timber and enter burnt timber, bears NW and SE.
	Thence over mesa.
32.35	South edge of circular corral .
33.85	North edge of corral.
40.00	Set a quartzite stone, 14x10x5 ins., 9 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.
42.00	Leave mesa, bears NW and SE. Descend .
43.25	Enter heavy timber and leave undergrowth, bears NW and SE.
67.00	Bottom of hollow, 500 ft. below mesa, course E. Ascend .
74.00	Top of ridge, 50 ft. above hollow, bears N. 80° W. and S. 80° E. Descend gradually.
80.00	Set a quartzite stone, 16x12x6 ins., 11 ins. in the ground, for cor. of secs. 13, 14, 23, and 24, marked with 3 notches on S. and 1 notch on E. edges; from which

Subdivision of T 1 S. R. 6. W. -Continued.

Chains

A pinon pine, 6 ins. diam., bears N. 31° E., 84
 lks. dist., marked T 1 S R 6 W S 13 B T.
 A pinon pine, 6. ins. diam., bears S. 47° E., 34
 lks. dist., marked T 1 S R 6 W S 24 B T.
 A cedar, 6 ins. diam., bears S. 46° 30' W., 27
 lks. dist., marked T 1 S R 6 W S 23 B T.
 A cedar, 3 ins. diam., bears N. 36° W., 45 lks.
 dist., marked T 1 S R 6 W S 14 B T.

Land, mountainous and level.

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

Timber, cedar and pinon pine.

Undergrowth, sage brush and mountain rush.

Good grass for grazing.

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

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

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

79.98 Intersect E. bdy. of Tp., 9 lks. S. of the cor. of secs.
 13 and 24, heretofore described.

Thence I run

✓ S. 89° 46' W., on a true line bet. secs. 13 and 24.

Over mountainous land; through heavy timber.

Descend over ledges.

3.00 Bottom of hollow, 50 ft. below sec. cor., course SW.

Ascend.

22.00 Top of ridge, 800 ft. above hollow, bears NE and SW.

Descend.

39.99 Set a hard sandstone, 18x12x8 ins., 12 ins. in the
 ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; from which

A pinon pine, 6 ins. diam., bears N. 27° E., 185
 lks. dist., marked $\frac{1}{4}$ S 13 B T.

A pinon pine, 10 ins. diam., bears S. 16° E., 12
 lks. dist., marked $\frac{1}{4}$ S 24 B T.

Subdivision of T.1 S., R.6 W. -Continued.

Chains	
41.00	Sandstone ledge, 40 ft. high, bears N. and S.
41.75	Foot of descent, 300 ft. below ridge, bears N. and S. Leave cedar and pinon pine timber and enter dense undergrowth, bears N. and S. Leave ledges, bears N. and S. Enter bottom of Rock Creek Canon.
44.00	Left bank of Rock Creek, rocky bottom, rapid current, $1\frac{1}{2}$ ft. deep, course S.
45.00	Right bank of Rock Creek. Enter scattering cottonwood timber, bears N. and S.
50.00	Leave timber, bears N. and S.
53.60	Old road, bears N. 10° W. and S. 10° E.
64.50	Spring branch, 4 lks. wide, 3 ins. deep, course SE.
66.50	Spring bears North about 3.50 chs. dist.
75.00	Leave canon bottom, bears N. 10° W. and S. 10° E. Leave undergrowth and enter heavy timber, bears N. 10° W. and S. 10° E. Ascend.
79.98	The cor. of secs. 13, 14, 23, and 24. Land, mountainous and level. Soil, sandy loam and rocky; 2nd and 4th rate. Timber, cedar, pinon pine, and cottonwood. Undergrowth, sage brush, willows, and rabbit brush. Good grass for grazing. Mountainous or heavily timbered land, or land covered with dense undergrowth, 79.98 chs.

November 11, 1903.

November 12, 1903: At 8 h. 2 m. a.m., l.m.t., I set off $40^{\circ} 24' N.$, on the lat. arc; $17^{\circ} 26' S.$, on the decl. arc; and determine a meridian, with the solar, at the cor. of secs. 14, 13, 23, and 24.

Subdivision of T 1 S R 6 W -Continued

- Chains Thence I run
N. 0° 1' W., bet. secs. 13 and 14.
Over mountainous land; through heavy timber.
Descend .
- 14.75 Bottom of hollow, 100 ft. below sec. cor., course S.
70° E.
Ascend..
- 29.00 A cone shaped knoll bears West 100 lks. dist., about
450 ft. above hollow.
- 30.50 Top of spur, 300 ft. above hollow, bears N. 30° E. and
S. 30° W.
Descend..
- 40.00 Head of swale, 60 ft. below ridge, course SW.
Set a sandstone, 14x12x5 ins., 9 ins. in the ground,
for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face; from which
A pinon pine, 4 ins. diam. bears S. 85° E., 82
lks. dist., marked $\frac{1}{4}$ S 13 B T.
A pinon pine, 5 ins. diam., bears N. 60° W.,
230 lks. dist., marked $\frac{1}{4}$ S 14 B T.
- 45.00 Top of spur, 60 ft. above swale, bears N. 20° W. and
S. 20° E.
Descend along side hill .
- 80.00 Set a quartzite stone, 20x12x10 ins., 15 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 pinon pine, 18 ins. diam., bears N. 70° E.,
41 lks. dist., marked T 1 S R 6 W S 12 B T.
A pinon pine, 5 ins. diam., bears S. 20° E., 21
lks. dist., marked T 1 S R 6 W S 13 B T.
A cedar, 5 ins. diam., bears S. 50° W., 160
lks. dist., marked T 1 S R 6 W S 14 B T.
A pinon pine, 7 ins. diam., bears N. 52° W., 41
lks. dist., marked T 1 S R 6 W S 11 B T.
- Land, mountainous .
Soil, rocky; 4th rate.

Subdivision of T 1 S R 6 W -Continued

Chains Timber, cedar and pinon pine.
 Good grass for grazing.
 Mountainous or heavily timbered land, 80.00 chs.

N. 89° 46' E., on a random line bet. secs. 12 and 13.

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

80.18 Intersect E. bdy. of Tp., 14 lks. S. of the cor. of secs. 12 and 13., heretofore described.

Thence 1 run
 ✓ S. 89° 40' W., on a true line bet. secs. 12 and 13.
 Over mountainous land; through heavy timber and scattering mahogany undergrowth.

Ascend .

1.30 Top of spur, 10 ft. above sec. cor., bears N. 30° W. and S. .

Descend .

4.00 Bottom of hollow, 50 ft. below spur, course SE.
 Ascend over ledge.

15.00 Top of ridge, 300 ft. above hollow, bears N. and S.
 Descend .

36.50 Foot of descent, 800 ft. below ridge, bears N. 10° W. and S. 10° E.
 Enter bottom of Rock Creek Canon.
 Leave cedar and pinon pine timber and enter heavy cottonwood timber and dense undergrowth, bears N. 10° W. and S. 10° E.

37.60 Left bank of Rock Creek, rapid current, rocky bottom, course S. 20° E.

38.10 Right bank of Rock Creek.

40.09 Set a quartzite stone, 14x10x6 ins., 9 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; from which
 A cottonwood, 4 ins. diam., bears N. 57° E., 350 lks. dist., marked $\frac{1}{4}$ S 12 B T.

Subdivision of T 1 S R 6 W -Continued

- Chains A cottonwood, 5 ins. diam., bears S. 13° E., 116
 lks. dist., marked $\frac{1}{4}$ S 13 B T.
- 53.70 Old road, bears N. 20° E. and S. 20° W.
- 67.00 Leave cottonwood timber and undergrowth and enter
 scattering cedar and pinon pine timber, bears N. and
 S.
- 80.18 The cor. of secs. 11, 12, 13, and 14.
 Land, mountainous and level.
 Soil, sandy, and clay loam and rocky; 2nd and 4th rate.
 Timber, cedar and pinon pine and cottonwood.
 Undergrowth, sage brush, willows, bull berry brush,
 and rose bushes and mahogany.
 Good grass for grazing.
 Mountainous or heavily timbered land, or land covered
 with dense undergrowth, 80.18 chs.
 November 12, 1903: At this cor. I set off 17° 31' S, 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° 25' ✓
 N., which is the proper lat. nearly.
-
- N. 0° 1' W., bet. secs. 11 and 12.
- Over mountainous land; through heavy cedar and pinon
 pine timber.
 Ascend .
- 30.00 Leave timber, bears E. and W.
- 32.00 Top of spur, 200 ft. above sec. cor., bears N. 80° W. and
 S. 80° E.
 Descend .
- 40.00 Set a quartzite stone, 16 x 12 x 8 ins., 11 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, 1½ ft. high, W. of cor.
 Ascend .
- 43.50 Enter scattering timber, bears NE. and SW.

Subdivision of T.1 S., R.6 W. -Continued.

Chains	
48.00	Top of ridge, 50 ft. above sec. cor., bears N. 10° E. and S. 10° W. Leave timber, bears N. 10° E. and S. 10° W. Descend .
65.00	Enter heavy timber, bears E. and W.
66.00	Leave timber, bears E. and W.
80.00	Set a quartzite stone, 18x12x6 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; and raise a mound of stone, 3 ft. base, 1½ ft. high, W. of cor. Land, mountainous. Soil, sandy and gravelly; 2nd and 3rd rate. Timber, cedar and pinon pine. Good grass for grazing. Mountainous or heavily timbered land, 80.00 chs.
40.00	N. 89° 40' E., on a random line bet. secs. 1 and 12. Set temp. ¼ sec. cor.
80.40	Intersect E. bdy. of Tp., 12 lks. N. of the cor. of secs. 1, 6, 7, and 12, heretofore described.
	Thence 1 run
	S. 89° 45' W., on a true line bet. secs. 1 and 12.
	Over mountainous land, through heavy timber .
	Descend .
6.00	Bottom of hollow, 250 ft. below sec. cor., course N. Ascend .
20.00	Top of spur, 300 ft. above hollow, bears N. 15° W. and S. 15° E.
	Descend
29.00	Foot of descent, 400 ft. below ridge, bears N. and S.
	Leave timber and enter dense undergrowth, bears N. and S.

10

Subdivision of T.1 S R 6 W -Continued.

Chains	Enter bottom of Rock Creek Canon.
40.20	Set a sandstone, 18x9x4 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.
66.00	Left bank of Rock Creek, rapid, current, rocky bottom, 1 $\frac{1}{2}$ ft. deep, course SE.
66.90	Right bank of Rock Creek.
69.00	Leave canon bottom, bears NW and SE. Leave undergrowth and, enter scattering timber, bears NW and SE. Ascend .
74.00	Top of spur, 100 ft. above canon bottom, bears N. and S. Descend .
76.25	Old road, bears N. 45° W. and S. 45° E. Leave timber and enter dense sage brush, rabbit brush, and service berry brush, bears NW and SE.
80.40	The cor. of secs. 1, 2, 11, and 12. Land, mountainous and level. Soil, sandy loam and rocky; 2nd and 4th rate. Timber, cedar and pinon pine. Undergrowth, sage brush, rabbit brush, service berry brush, willows, and greasewoods. Good grass for grazing. Mountainous, or heavily timbered land, or land covered with dense undergrowth, 80.40 chs.

	N. 0° 1' W , on a true line bet. secs. 1 and 2. Over mountainous land; through dense undergrowth. Descend .
2.75	Old road, bears NW and SE .
7.60	Bottom of swale .50 ft. below sec. cor., course NE. Dense willows in bottom of this hollow. Ascend .

Subdivision of T. 1 S. R. 6. W. -Continued

Chains

- 12.50 Enter heavy timber, bears E. and W.
- 15.10 Top of spur, 125 ft. above swale, bears E. and W.
Descend.
- 17.55 Foot of descent, 150 ft. below spur, bears E. and W.
Leave timber and enter dense undergrowth, bears E. and W.
Thence over level bottom of Rock Creek Canon.
- 17.90 Right bank of Rock Creek, rocky bottom, rapid current, 1½ ft. deep, course E.
- 18.90 Left bank of Rock Creek.
- 40.00 Set a quartzite stone, 16x10x8 ins., 11 ins. in the ground, for ¼ sec. cor., marked ¼ on W. face; and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
- 80.80 Leave canon bottom, bears E. and W.
Leave undergrowth and enter scattering cedar and pinon pine timber, bears E. and W.
Ascend.
- 93.14 Intersect Hintah Special Base, 16.02 chs. East of the Base cor. of secs. 35 and 36, which is a sandstone, 6x10x4 ins., above ground, firmly set, and marked and witnessed as described by Harvey D. Heist, U.S. Deputy Surveyor, under Contract No. 266.
Set a quartzite stone, 18x12x5 ins., 12 ins. in the ground, for closing cor. of secs. 1 and 2, marked with C.C. on S.; and 1 groove on E. and 5 grooves on W. faces; from which
A cedar, 10 ins. diam., bears S. 80° E., 35 lks. dist., marked T 1 S R 6 W S 1 B T.
A cedar, 4 ins. diam., bears S. 70° W., 50 lks. dist., marked T 1 S R 6 W S 2 B T.
Also raise a mound of stone, 2 ft. base, 1½ ft. high, S. of cor.
Land, mountainous and level.
Soil, sandy loam and gravelly; 2nd and 3rd rate.

Subdivision of T 1 S R 6 W -Continued.

Chains Timber, cedar and pinon pine.
 Undergrowth, sage brush, rabbit brush, and willows.
 Good grass for grazing.
 Mountainous or heavily timbered land, or land covered
 with dense undergrowth, 93.14 chs.
 November 12, 1903.
 November 13, 1903: At 8 h 4 m a.m., l.m.t., I set off
 40° 21' N., on the lat. arc; 17° 41' S., on the decl. arc;
 and determine a meridian, with the solar, at the cor.
 of secs. 2, 3, 34, and 35, on S. bdy. of Tp., heretofore
 described.
 Thence I run
 N. 6° 2' W., bet. secs. 34 and 35.
 Over mountainous land; through heavy timber and scat-
 tering undergrowth.
 Ascend abruptly over a series of ledges from 10 ft. to
 100 ft. high.
 10.25 Top of ridge, 300 ft. above sec. cor., bears N. 85° W. and
 S. 85° E. Leave ledges, bears N. 85° W. and S. 85° E.
 Descend.
 23.50 Bottom of hollow, 200 ft. below ridge, course S. 80° E.
 Ascend. Leave timber, bears N. 80° W. and S. 80° E.
 40.00 Set a sandstone, 14x10x6 ins., 9 ins. in the ground,
 for $\frac{1}{2}$ sec. cor., marked $\frac{1}{2}$ 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, 100 ft. above hollow, bears N. 80° W. and
 S. 80° E.
 Descend.
 57.25 Bottom of hollow, 100 ft. below ridge, course S. 85° E.
 Enter scattering timber, bears E. and W.
 Ascend.

Subdivision of T 1 S .R 6. W -Continued

Chains

- 80.00 Set a sandstone, 24x14x4 ins., 18 ins. in the ground, for cor. of secs. 26, 27, 34, and 35, marked with 1 notch on S. and 2 notches on E. edges; from which
- A pinon pine, 16 ins. diam., bears N. 10° E., 30 lks. dist., marked T 1 S R 6. W S 26 B T.
 - A cedar, 18 ins. diam., bears S. 60° E., 17 lks. dist., marked T 1 S R 6 W S 35 B T.
 - A pinon pine, 6 ins. diam., bears S. 35° W., 60 lks. dist., marked T 1 S R 6 W S 34 B T.
 - A pinon pine, 6 ins. diam., bears N. 65° W., 79 lks. dist., marked T 1 S R 6 W S 27 B T.

Land, mountainous .

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

Timber, cedar and pinon pine.

Undergrowth, sage brush.

Good grass for grazing.

Mountainous or heavily timbered land, 80.00 chs.

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

40.00 Set temp. $\frac{1}{2}$ sec. cor.

79.76 Intersect N. and S. line, 5 lks. N. of the cor. of secs. 25, 26, 35, and 36.

Thence I run

S. 89° 52' W., on a true line bet. secs. 26 and 35.

Over mountainous land; through dense sage brush and dead timber.

Ascend .

6.00 Top of spur, 20 ft. above sec. cor., bears NW and SE.

Descend .

6.50 Enter heavy timber, bears NW and SE.

15.00 Leave timber, bears N. and S.

21.50 Bottom of hollow, 100 ft. below spur, course S. 20° E.

Subdivision of T 1 S R 6 W -Continued.

- Chains Ascend .
- 30.00 Top of spur, 160 ft. above hollow, bears N. 20° W. and S. 20° E.
- Descend .
- 39.88 Set a sandstone, 15x8x5 ins., 10 ins. in the ground, for $\frac{1}{2}$ 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.
- 41.20 Bottom of hollow, 200 ft. below spur, course SE.
- Ascend .
- 71.50 Top of ridge, 300 ft. above hollow, bears N. 25° W. and S. 25° E.
- Descend .
- 78.00 Enter scattering cedar and pinon pine timber, bears N. 20° W. and S. 20° E.
- 79.76 The cor. of secs. 26, 27, 34, and 35.
- Land , mountainous.
- Soil, sandy and gravelly; 3rd rate.
- Timber, cedar and pinon pine.
- Undergrowth, sagebrush.
- Mountainous or heavily timbered land, or land covered with dense undergrowth, 79,76 chs.

N. 0° 2' W., bet. secs. 26 and 27.

- Over mountainous land; through scattering timber and scattering undergrowth.
- Ascend .
- 15.00 Top of ridge, 100 ft. above sec. cor., bears E. and W.
- Descend .
- 25.25 Bottom of hollow, 150 ft. below ridge, course N. 85° E.
- Ascend .
- 31.50 Top of ascent, 100 ft. above hollow, bears E. and W.
- Thence over mesa. Through dense undergrowth.
- 40.00 Set a sandstone, 18x14x6 ins., 12 ins. in the ground, for $\frac{1}{2}$ sec. cor., marked $\frac{1}{4}$ on W. face; from which
- A pinon pine, 12 ins. diam., bears S. 85° E., 22

Subdivision of T 1 S R 6 W -Continued

Chains	lks. dist., marked $\frac{1}{2}$ S 26 B T. A cedar, 12 ins. diam., bears N. 80° W., 30 lks. dist., marked $\frac{1}{2}$ S 27 B T.
54.00	Leave mesa, bears N. 85° W. and S. 85° E. Descend .
61.00	Bottom of hollow, 100 ft. below mesa, course S. 80° E. Ascend .
77.50	Top of ridge, 150 ft. above hollow, bears N. 85° W. and S. 85° E. Descend .
80.00	Set a sandstone, 20x10x6 ins., 15 ins. in the ground, for cor. of secs. 22, 23, 26, and 27, marked with 2 notches on S., and E. edges; and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor. Land, mountainous and level. Soil, sandy and rocky; 2nd and 4th rate. Timber, cedar and pinon pine. Undergrowth, sage brush. Good grass for grazing. Mountainous land, or land covered with dense undergrowth, 80.00 chs. November, 13, 1903: At this cor. I set off 17° 47' S., 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° 23' N., which is the proper lat. nearly.
	—————
	N. 89° 52' E., on a random line bet. secs. 23 and 26.
40.00	Set temp. $\frac{1}{2}$ sec. cor.
80.00	Intersect N. and S. line, 9 lks. N. of the cor. of secs. 23, 24, 25, and 26. Thence I run S. 89° 56' W., on a true line bet. secs. 23 and 26. Over mountainous land; through heavy timber.

Subdivision of T 1 S R 6 W -Continued

Chains	Ascend .
6.00	Top of ridge, 60 ft. above sec. cor., bears N. 40° W. and S. 40° E.
	Descend .
35.00	Leave timber, bears N. 85° W. and S. 85° E.
	Enter dense undergrowth, bears N. 85° W. and S. 85° E.
40.00	Set a sandstone, 15x8x5 ins., 10 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; from which
	A pinon pine, 6 ins. diam., bears N. 65° W., 45 lks. dist., marked $\frac{1}{4}$ S 23 B T.
	A cedar, 5 ins. diam., bears S. 35° W., 105 lks. dist., marked $\frac{1}{4}$ S 26 B T.
40.50	Bottom of hollow, 150 ft. below ridge, course S. 5° E.
	Enter heavy cedar and pinon pine timber, and leave undergrowth, bears N. 5° W. and S. 5° E.
	Ascend .
70.00	Leave timber, and enter dense undergrowth, bears N. and S.
80.00	The cor. of secs. 22, 23, 26, and 27.
	land, mountainous.
	Soil, sandy and rocky; 3rd 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, 80.00 chs.
	<hr style="width: 20%; margin: 10px auto;"/>
	N. 0° 2' W., bet. secs. 22 and 23.
	Over mountainous land; through dense undergrowth and scattering timber .
	Descend .
16.00	Bottom of canon, 300 ft. below sec. cor., course N. 75° E.
	Ascend .

Subdivision of T.1 S., R.6 W. -Continued.

Chains

- 19.00 Top of ascent, 300 ft. above canon, bears N. 70° E. and S. 70° W.
Enter mesa.
- 36.00 Leave mesa, bears N. 65° E. and S. 65° W.
Descend .
- 39.00 Bottom of hollow, 150 ft. below mesa, course N. 60° E.
Ascend .
- 40.00 Set a sandstone, 18x9x7 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.
- 45.30 Top of spur, 100 ft. above hollow, bears N. 65° E. and S. 65° W.
Descend.
- 80.00 Set a sandstone, 14x10x5 ins., 9 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, 1 $\frac{1}{2}$ ft. high, W. of cor.
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, 80.00 chs.

N. 89° 56' E., on a random line bet. secs. 14 and 23.

- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 80.24 Intersect N. and S. line, 21 lks. S. of the cor. of secs. 13, 14, 23, and 24.
Thence I run
S. 89° 47' W., on a true line bet. secs. 14 and 23.
Over mountainous land; through scattering timber.

20

Subdivision of T.1 S., R.6 W. -Continued.

Chains	Ascend .
1.12	Leave timber, bears N. and S.
10.00	Top of ridge, 400 ft. above sec. cor., bears N. 20° W. and S. 20° E.
	Descend .
25.20	Bottom of hollow, 40 ft. below ridge, course SE.
	Ascend .
40.12	Set a quartzite stone, 16x10x8 ins., 11 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.
44.00	Top of ridge, 80 ft. above hollow, bears NW and SE.
	Descend .
54.00	Bottom of hollow, 50 ft. below ridge, course S. 40° E.
	Ascend .
70.00	Top of ridge, 50 ft. above hollow, bears N. 40° W. and S. 40° E.
	Descend .
75.00	Bottom of hollow, 30 ft. below ridge, course SE.
	Ascend .
80.24	The cor. of secs. 14, 15, 22, and 23.
	Land, mountainous .
	Soil, sandy and gravelly; 3rd rate.
	Timber, cedar and pinon pine..
	Good grass for grazing.
	Mountainous land, 80.24 chs.

November 13, 1903.

November 14, 1903: At 8 h 3 m a.m., l.m.t., I set off 40° 24' N., on the lat. arc; 17° 57' S., 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.

Subdivision of T. 1 S. R. 6 W -Continued

Chains	Over mountainous land; through scattering undergrowth. Descend .
15.00	Bottom of hollow, 50 ft. below sec. cor., course S. 25° E. Ascend .
40.00	Set a quartzite stone, 15x8x6 ins., 10 ins. in the ground, for $\frac{1}{4}$ sec. cor. , marked $\frac{1}{4}$ on W. face; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
44.50	Top of ridge, 300 ft. above hollow, bears E. and W. Descend .
58.50	Bottom of hollow, 250 ft. below ridge, course NE. Ascend .
61.50	Point of spur, 50 ft. above hollow, bears E. and W. Descend .
66.50	Bottom of hollow, 50 ft. below spur, course S. 60° E. Ascend through scattering timber.
80.00	Set a cobble stone, 16x10x8 ins., 11 ins. in the ground, for cor. of secs. 10, 11, 14, and 15, marked with 4 notches on S. and 2 notches on E. edges; from which A pinon pine, 12 ins. diam., bears N. 58° E., 160 lks. dist., marked T 1 S R 6 W S 11 B T. A pinon pine, 10 ins. diam., bears S. 49° E., 180 lks. dist., marked T 1 S R 6 W S 14 B T. No other trees within limits; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Pits impractic- able. Land, mountainous. Soil, sandy loam and gravelly; 2nd and 3rd rate. Timber, cedar and pinon pine. Undergrowth, sage brush. Good grass for grazing. Mountainous land, 80.00 chs .

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

Chains

- N. 89° 47' E., on a random line bet. secs. 11 and 14.
- 40.00 Set temp. sec. cor.
- 80.10 Intersect N. and S. line, 23 lks. N. of the cor. of sec. 11, 12, 13, and 14.
- Thence I run
- S. 89° 57' W., on a true line bet. secs. 11 and 14.
- Over mountainous land; through scattering timber and dense undergrowth.
- Ascend .
- 14.50 Top of ridge, 400 ft. above sec. cor., bears N. 20° W. and S. 20° E.
- Descend .
- 34.00 Bottom of hollow, 300 ft. below ridge, course S. 20° E. Ascend.
- 40.05 Set a sandstone, 16x10x5 ins., 11 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.
- 48.00 Top of ridge, 60 ft. above hollow, bears N. and SE.
- Descend .
- 75.00 Bottom of hollow, 100 ft. below ridge, course S. 20° E.
- Ascend .
- 79.00 Top of ridge, 200 ft. above hollow, bears N. and S.
- Descend .
- 80.10 The cor. of secs. 10, 11, 14, and 15.
- Land, mountainous.
- Soil, sandy loam and gravelly; 2nd and 3rd rate.
- Timber, cedar and pinon pine.
- Undergrowth, sage brush and buck brush.
- Good grass for grazing.
- Mountainous land, and land covered with dense undergrowth, 80.10 chs.
- November 14, 1903: At this cor. I set off 18° 3' S., on the decl. arc; and at 6 h 27 p.m., l.m.t., I observe the sun on the meridian, the resulting lat. is 40° 25' N., which is the proper lat. nearly.

20

Subdivision of T.1 S. R.6 W-Continued.

Chains

N.0°02'W., bet. secs. 10 and 11.

Over mountainous land; through scattering timber and dense undergrowth.

Ascend .

10.00 Top of ridge, 100 ft. above sec. cor., bears N.45°W., and S. 50°E..

Descend .

14.00 Bottom of hollow, 150 ft. below ridge, course S.65°E.

Ascend .

40.00 Set a sandstone, 16x12x4 ins., 11 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.

46.00 Top of ridge, 150 ft. above hollow, bears E. and W.

Descend .

75.00 Wash, 50 lks. wide, 10 ft. deep, in bottom of hollow, 200 ft. below ridge, course N.30°E.

Ascend .

80.00 Set a cobble stone, 16x8x4 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; and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor.

Pits impracticable.

Land, mountainous.

Soil, sandy loam, gravelly, and rocky; 2nd, 3rd, and 4th rate.

Timber, cedar and pinon pine.

Undergrowth, sage brush and buck brush.

Good grass for grazing.

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

Subdivision of T 1-S R 6-W -Continued

Chains

N.89° 57' E., on a random line bet. secs. 2 and 11.

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

80.06 Intersect N. and S. line, 16 lks. S. of the cor. of secs. 1, 2, 11, and 12.

Thence I run

✓ S.89° 50' W., on a true line bet. secs. 2 and 11.

Over mountainous land; through dense sage brush.

Ascend .

15.00 Spring branch, 5 lks. wide, 3 ins. deep, course N.70° E.

34.00 Top of ridge, 100 ft. above sec. cor., bears N.40° W. and S.40° E.

Descend .

40.03 Set a cobble stone, 16x8x5 ins., 11 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.

71.00 Wash, 10 ft. deep, 50 lks. wide, in bottom of hollow, 200 ft. below ridge, course N.30° E.

Ascend .

80.06 The cor. of secs. 2, 3, 10, and 11.

Land, mountainous.

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

No timber.

Undergrowth, sage brush.

Good grass for grazing.

Mountainous land, or land covered with dense undergrowth, 80.06 chs.

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

Over mountainous land; through dense buck brush and sage brush.

Descend .

Subdivision of T.1 S., R.6 E.-Continued.

Chains

- 40.00 Set a sandstone, 16x8x4 ins., 11 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.
- 43.30 Creek, 10 , lks. wide, 6 ins. deep, course E., in bottom of hollow, 100 ft. below sec. cor., course E.
Ascend .
- 45.30 Old road, bears E. and W.
- 53.30 Enter scattering cedar and pinon pine timber, bears E. and W.
- 56.30 Creek, 3 lks. wide, 4 ins. deep, course N. 80° E.
- 64.30 Top of ridge, 100 ft. above hollow, bears E. and W.
Descend .
- 79.30 Bottom of hollow, 180 ft. below ridge, course E.
Ascend .
- 93.00 Intersect the Uintah Special Base line, 16.10 chs. E., of the standard cor. of secs. 34 and 35, which is a sandstone, 6x12x10 ins. above ground, firmly set, and marked and witnessed as described by H. D. Heist, D. S. under Cont. No. 260.
Set a quartzite stone, 16x10x4 ins., 11 ins. in the ground, for closing cor. of secs. 2 and 3, marked with C. C. on S., with 2 grooves on E. and 4 grooves on W. faces; and raise a mound of stone, 3 ft. base, 2 ft. high, S. of cor.
Land, mountainous.
Soil, sandy loam and gravelly; 2nd and 3rd rate.
Timber, cedar and pinon pine.
Undergrowth, buck brush and sage brush.
Good grass for grazing.
Mountainous land, or land covered with dense undergrowth, 53.00 chs.

November 14, 1903

Subdivision of T 1-S R 6-W.-Continued.

Chains

November 15, 1903: At 8 h 2 m a.m., l.m.t., I set off $40^{\circ} 21' N.$, on the lat. arc; $18^{\circ} 13' S.$, on the dec. arc; and determine a meridian, at the cor. of secs. 3, 4, 33, and 34, on S. bdy. of Tp., heretofore described.

Thence I run

$N. 0^{\circ} 2' W.$, bet. secs. 33 and 34.

Over mountainous land; through scattering timber.

Ascend .

34.00 Top of ridge, 300 ft. above sec. cor., bears $N. 50^{\circ} W.$ and $S. 50^{\circ} E.$

Descend .

40.00 Set a sandstone, $18 \times 10 \times 8$ 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.

65.74 Bottom of hollow, 300 ft. below ridge, course $S. 85^{\circ} E.$

Ascend .

80.00 Set a sandstone, $16 \times 10 \times 6$ ins., 12 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 of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

Land, mountainous.

Soil, sandy and gravelly; 3rd rate.

Timber, cedar and pinon pine.

Good grass for grazing.

Mountainous land, 80.00 chs.

$N. 89^{\circ} 50' E.$, on a random line bet. secs. 27 and 34.

40.00 Set temp. $\frac{1}{2}$ sec. cor.

79.90 Intersect N. and S. line, 23 lks. N. of the cor. of secs 26, 27, 34, and 35.

Thence I run

$W.$, on a true line bet. secs. 27 and 34.

Subdivision of T.1 S., R.6 W. -Continued.

Chains	Over mountainous land; through heavy timber. Ascend
33.75	Top of ridge, 200 ft. above sec. cor., bears N. 30° W. and S. 30° E. Leave timber, bears with ridge. Descend
39.95	Set a sandstone, 18x14x4 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.
45.00	Bottom of hollow, 200 ft. below ridge, course S. 30° E. Ascend
76.00	Top of ridge, 250 ft. above hollow, bears N. 60° W. and S. 30° E. Descend
79.90	The cor. of secs. 27, 28, 33, and 34. Land, mountainous. Soil, sandy loam and gravelly; 2nd and 3rd rate. Timber, cedar and pinon pine. Good grass for grazing. Mountainous or heavily timbered land, 79.90 chs.
	N. 0° 2' W., bet. secs. 27 and 28.
	Over mountainous land; through dense undergrowth and fallen timber. Ascend
5.00	Top of ridge, 40 ft. above sec. cor., bears NW. and SE. Descend
32.25	Bottom of hollow, 200 ft. below ridge, course SE. Ascend
33.00	Leave undergrowth and enter cedar and pinon pine timber, bears NW and SE. Leave fallen timber.
40.00	Set a sandstone, 14x12x6 ins., 9 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face; from which A pinon pine, 12 ins. diam., bears S. 5° E., 80 lks. dist., marked $\frac{1}{4}$ S 27 B T.

Subdivision of T 1 S R 6 W -Continued

Chains

A pinon pine, 12 ins. diam., bears S. 20° W., 115
 lks. dist., marked $\frac{3}{4}$ S 28 B T.

Leave timber, bears E. and W..

46.00 Top of ascent, 100 ft. above hollow, bears NW and SE..
 Thence over mesa
 Enter dense undergrowth, bears NW and SE.

70.00 Leave mesa, bears E. and W.
 Descend .

73.50 Bottom of hollow, 150 ft. below mesa, course S. 85° E.
 Leave undergrowth and enter heavy timber, bears E. .
 and W.
 Ascend abruptly.

80.00 Set a sandstone, 18x12x4 ins., 12 ins. in the ground,
 for cor of secs. 21, 22, 27, and 28, marked with 2 notches
 on 2. and 3 notches on E. edges; from which
 A cedar, 10 ins. diam., bears N. 30° E., 35 lks.
 dist., marked T 1 S R 6 W S 22 B T.
 A pinon pine, 6 ins. diam., bears S. 35° E., 45
 lks. dist., marked T 1 S R 6 W S 27 B T.
 A cedar, 8 ins. diam., bears S. 15° W., 25 lks.
 dist., marked T 1 S R 6 W S 28 B T.
 A pinon pine, 8 ins. diam., bears N. 40° W., 60
 lks. dist., marked T 1 S R 6 W S 21 B T.

Land, mountainous and level.

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

Timber, cedar and pinon pine.

Undergrowth, sage brush and buck brush.

Good grass for grazing.

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

November 15, 1903: At this cor. I set off 18° 19' S., on
 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° 23' N.,
 which is the proper lat. nearly.

Subdivision of T 1-S R 6.W -Continued.

Chains

East, on a random line bet. secs. 22 and 27.

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

79.88 Intersect N. and S. line, 14. lks. S. of the cor. of secs. 22, 23, 26, and 27.

Thence, I run

$\sqrt{S. 89^{\circ} 54' W.}$, on a true line bet. secs. 22 and 27..

Over mountainous land; through scattering timber.

Ascend .

5.00 Top of ridge, 50 ft. above cor., bears N. $60^{\circ} W.$ and S. $60^{\circ} E.$

Descend .

22.50 Leave timber, bears N. and S.

Enter dense undergrowth, bears N. and S.

39.94 Set a sandstone, 14x9x4 ins., 9 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; 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.

79.88 The cor. of secs. 21, 22, 27, and 28.

Land, mountainous.

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, 79.88 chs.

N. $0^{\circ} 2' W.$, bet. secs. 21 and 22.

Over mountainous land; through dense undergrowth and heavy timber.

Ascend .

13.00 Top of ridge, 250 ft. above sec. cor., bears E. and W.

Descend .

Subdivision of T 1 S . R 6 W . -Continued.

Chains

- 24.00 Bottom of hollow, 500 ft. below ridge, course N. 80° E.
Ascend .
- 40.00 Set a sandstone, 18x10x5 ins., 12 ins. in the ground,
for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face; from which
A pinon pine, 12 ins. diam., bears N. 80° E., 25
lks. dist., marked $\frac{1}{4}$ S 22 B T.
A pinon pine, 14 ins. diam., bears S. 70° W., 75
lks. dist., marked $\frac{1}{4}$ S 21 B T.
- 49.00 Top of ridge, 600 ft. above hollow, bears N. 85° W. and
S. 85° E.
Descend .
- 49.25 Leave timber, bears E. and W.
- 72.50 Bottom of hollow, 450 ft. below ridge, course S. 80° E.
Ascend .
- 76.00 Top of spur, 30 ft. above hollow, bears NW and SE.
Descend.
- 78.00 Bottom of hollow, 25 ft. below spur, course S. 30° E.
Ascend .
- 80.00 Set a quartzite stone, 16x12x8 ins., 12 ins. in the
ground, for cor. of secs. 15, 16, 21, and 22, marked
1 S on NE; and 6 W on SE faces; with 3 notches 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 and pinon pine.
Undergrowth, sage brush.
Good grass for grazing.
Mountainous or heavily timbered land, or land covered
with dense undergrowth, 80.00 chs.
November 15, 1903 : At this cor. latitude 40° 23' 43" N.,
longitude 110° 35' 30" W., I set off 40° 24' N., on the
lat. arc; 18° 18' S., on the decl. arc; and at 4 h 3 m p.
m., l. m. t., I determine a meridian, with the solar,
and mark a point thereof on a stone firmly set,

Chains in the ground, 5.00 chs. N. of the cor.

November 15, 1903.

November 16, 1903: At 3 h 44[✓] m a.m., l.m.t., I observe Polaris at western 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 7 h 30 m a.m., l.m.t., I lay off the azimuth of Polaris $1^{\circ}34.8'$ to the east, 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 0.37 ins. east of the mark determined with the solar.

At 8 h 3 m a.m., l.m.t., I set off $40^{\circ}24'$ N., on the lat. arc; $18^{\circ}28'$ S., 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 0.25 ins. east of the meridian as established by Polaris observation.

The solar apparatus by p. m and a.m. observations, defines positions for meridians, respectively about $0'19''$ west and $0'13''$ 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 8 h 20 m a.m., is $N.16^{\circ}44'W.$, the angle thus determined gives the mag. decl. $16^{\circ}44'E.$

Subdivision of T. 1 S., R. 6 W., -Continued.

Chains	Thence I run
	N. 88° 54' E., on a random line bet. secs. 15 and 22.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.10	Intersect N. and S. line, 23 lks. S. of the cor. of secs. 14, 15, 22, and 23.
	Thence I run
	S. 89° 44' W., on a true line bet. secs. 15 and 22.
	Over mountainous land; through scattering undergrowth, and scattering fallen timber.
	Ascend
40.05	Set a quartzite stone, 18x7x5 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.
46.50	Enter heavy timber, bears NW and SE; and leave fallen timber.
52.00	Top of ridge, 150 ft. above sec. cor., bears N. 30° W. and S. 30° E.
	Descend
55.00	Wash, 10 lks. wide, 2 ft. deep, course S.
74.00	Leave timber, bears N. 60° W. and S. 60° E.
80.10	The cor. of secs. 15, 16, 21, and 22.
	Land, mountainous.
	Soil, sandy loam and gravelly; 2nd and 3rd rate.
	Timber, cedar and pinon pine.
	Undergrowth, sage brush and buck brush.
	Good grass for grazing.
	Mountainous or heavily timbered land, 80.10 chs.

	N. 0° 2' W., bet. secs. 15 and 16.
	Over mountainous land; through dense undergrowth.
	Ascend
4.00	Enter heavy timber, bears E. and W.
10.00	Leave timber, bears E. and W.
25.00	Leave undergrowth and enter heavy timber, bears E.

Subdivision of T. 1 S., R. 6 W. -Continued.

Chains and W.

34.00 Leave timber and enter dense undergrowth, bears E. and W.

40.00 Set a sandstone, 18x8x5 ins., 12 ins. in the ground, for $\frac{1}{2}$ sec. cor., marked $\frac{1}{2}$ on W. face; and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor.

43.00 Top of ridge, 800 ft. above sec. cor., bears E. and W.
Descend.

61.00 Bottom of hollow, 500 ft. below ridge, course N. 80° E.
Ascend.

70.00 Top of ridge, 400 ft. above hollow, bears E. and W.
Descend.

78.00 Bottom of hollow, 300 ft. below ridge, course E.
Ascend.

80.00 Set a quartzite stone, 18x9x8 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, 1 $\frac{1}{2}$ ft. high, W. of cor.

Land, mountainous, soil, sandy and gravelly loam; 2nd 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.

N. 89° 44' E., on a random line bet. secs. 10 and 15

40.00 Set temp. $\frac{1}{2}$ sec. cor.
80.12 Intersect N. and S. line, 19 lks. N. of the cor. of secs. 10, 11, 14, and 15.

Thence I run

S. 88° 52' W., on a true line bet. secs. 10 and 15.

Over mountainous land; through scattering timber and dense undergrowth.

Subdivision of T 1 S R 6 W -Continued.

Chains	Descend .
6.00	Bottom of hollow, 50 ft. below cor. course S.
	Ascend .
12.00	Top of ridge, 100 ft. above hollow, bears N. and S.
	Descend
24.00	Bottom of hollow, 100 ft. below ridge, course S.
	Ascend .
30.00	Top of ridge, 150 ft. above hollow, bears N. and S.
	Descend .
36.00	Bottom of hollow, 150 ft. below ridge, course S. 70° E.
	Ascend .
40.08	Set a sandstone, 14x8x6 ins., 9 ins. in the ground, for $\frac{1}{2}$ sec. cor., marked $\frac{1}{2}$ on N. face; and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor.
42.50	Top of spur, 100 ft. above $\frac{1}{2}$ sec. cor., bears N. and S. Desc.
55.00	Bottom of hollow, 75 ft. below spur, course NE.
	Ascend .
80.12	The cor. of secs. 9, 10, 15, and 16.
	Land, mountainous.
	Soil, sandy and gravelly loam; 2nd rate.
	Timber, cedar and pinon pine.
	Undergrowth, mahogany and sage brush.
	Good grass for grazing.
	Mountainous land, or land covered with dense under- growth, 80 .12 chs.
	November 10, 1903: at this cor. I set off 18° 34' 5" V, 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° 25' N. V, which is the proper lat. nearly.
	<hr/>
	N. 6° 2' W., bet. secs. 9 and 10.
	Over mountainous land; through dense undergrowth. . .
	Ascend
10.00	Top of ridge, 150 ft. above sec. cor., bears NW and SE.

Subdivision of T. 1 S., R. 6 W. -Continued

- Chains Descend .
- 32.00 Bottom of hollow, 200 ft. below ridge, course S. 80° E. .
Ascend.
- 40.00 Set a quartzite stone, 15x9x5 ins., 10 ins. in the .
ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face; and raise
a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. .
- 60.50 Top of ridge, 150 ft. above hollow, bears E. and W.
Descend .
- 70.00 Bottom of hollow, 250 ft. below ridge, course E .
Ascend .
- 80.00 Set a quartzite stone, 20x6x6 ins., 15 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; and raise a mound of
stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. .
Land, mountainous.
Soil, sandy and gravelly; 3rd rate.
No timber.
Undergrowth, sage brush.
Mountainous land, and land covered with dense under-
growth, 80.00 chs. .
-
- N. 89° 52' E., on a random line bet. secs. 3 and 10
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 79.90 Intersect N. and S. line, 5 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 dense undergrowth.
Ascend along side hill .
- 24.75 Enter heavy timber, and leave undergrowth, bears N.
and S.
- 29.70 Leave timber and enter dense undergrowth, bears N.
and S.
- 39.95 Set a sandstone, 15x12x6 ins., 10 ins. in the ground, .

Subdivision of T. 1 S., R. 6 W. -Continued

Chains 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.

79.90 The cor. of secs. 3, 4, 9, and 10.

Land, mountainous.

Soil, sandy and gravelly loam; 2nd rate.

Timber, cedar and pinon pine.

Undergrowth, sage brush and buck brush.

Good grass for grazing.

Mountainous or heavily timbered land, or land covered with dense undergrowth, 79.90 chs.

N. 0° 2' W., on a true line bet. secs. 3 and 4.

Over mountainous land; through dense undergrowth.

Ascend .

6.00 Top of ridge, 100 ft. above sec. cor., bears E. and W.

Descend.

31.00 Bottom of hollow, 220 ft. below ridge, course E.

Ascend .

40.00 Set a sandstone, 18x12x5 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.

61.00 Old road, bears NW and SE.

74.50 Top of ridge, 200 ft. above hollow, bears NE and SW.

Descend.

93.98 Intersect Uintah Special base, 16.42 chs. E. of the Standard cor. of secs. 33 and 34, which is a trachyte stone 5x10x6 ins., above ground, firmly set, and marked and witnessed as described by H. D. Heist, D. S. under Cont. No. 266.

Set a quartzite stone, 18x10x4 ins., 12 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; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, S. of the cor.

Land, mountainous.

Soil, gravelly; 3rd rate.

Subdivision of T 1 S R 3 W -Continued

Chains No timber.

Undergrowth, deer brush, service berry, and sage brush.
Good grass for grazing.
Mountainous land, or land covered with dense undergrowth, 93.98 chs. :

November 16, 1903.

November 17, 1903. At 6 h 3 m a.m., l.m.t., I set off 40° 21' N., on the lat. arc; 18° 43' S., on the decl. arc; and determine a meridian, with the solar, at the cor. of secs. 4, 5, 32. and 33, on S. bdy. of Tp., heretofore described.

Thence I run

N. 0° 3' W., bet. secs. 32 and 33.

Over mountainous land; through scattering timber and scattering undergrowth.

Descend .

3.00 Bottom of hollow, 30 ft. below sec. cor., course S. 75° E.

Enter heavy timber, bears E. and W.

Ascend .

21.50 Top of ridge, 250 ft. above sec. cor., bears E. and W.

Descend .

40.00 Set a sandstone, 18x8x5 ins., 12 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face; from which

A pinon pine, 9 ins. diam., bears N. 60° E., 19

lks. dist., marked $\frac{1}{4}$ S 33 B T.

A cedar, 10 ins. diam., bears S. 80 ° W., 50 lks.

dist., marked $\frac{1}{4}$ S 32 B T.

63.50 Bottom of hollow, 250 ft. below ridge, course N. 60° E.

Ascend .

75.50 Top of ascent, 250 ft. above hollow, bears E. and W.

Subdivision of T. 1 S., R. 6 W. -Continued

Chains	Leave timber and enter dense undergrowth, bears E. and W. Thence over mesa.
80.00	Set a sandstone, 16x10x4 ins., 11 ins. in the ground, for cor. of secs. 28, 29, 32, and 33., marked with 1 notch on S. and 4 notches on E. edges; 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, 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.

40.00	N. 89° 50' E., on a random line bet. secs. 28 and 33. Set temp. ¼ sec. cor.
80.20	Intersect N. and S. line, 12 lks. S. of the cor. of secs. 27, 28, 33, and 34. Thence I run S. 89° 45' W., on a true line bet. secs. 28 and 33. Over mountainous land; through scattering timber and scattering undergrowth. Descend .
7.00	Leave timber and enter dense undergrowth, bears N. and S.
19.00	Bottom of hollow, 75 ft. below sec. cor., course S. 60° E. Ascend .
25.00	Top of ascent, 40 ft. above hollow, bears N. 60° W. and S. 60° E. Thence over flat top ridge.
32.50	Leave undergrowth, and enter heavy timber, bears N. and S.

Chains

- 35.00 Leave ridge, bears N. 60° W. and S. 60° E.
 Descend . Leave timber, bears N. 60° W. and S. 60° E.
- 40.10 Set a sandstone, 14x10x8 ins., 9 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.
- 40.25 Bottom of hollow, 100 ft. below ridge, course S. 45° E.
 Ascend .
- 43.00 Top of ascent, 100 ft. above hollow, bears NW and SE.
 Thence over mesa.
 Enter dense undergrowth, bears NW and SW.
- 80.20 The cor. of secs. 28, 29, 32, and 33.
 Land, mountainous and level.
 Soil, sandy and 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.
-
- N. 0° 3' W., bet. secs. 28 and 29.
 Over gently rolling mesa; through dense undergrowth.
- 40.00 Set a quartzite stone 16x9x5 ins., 11 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.
- 49.50 Leave mesa, bears N. 30° W. and S. 30° E.
 Descend .
- 55.00 Bottom of hollow, 50 ft. below mesa, course S. 30° E.
 Ascend .
- 60.00 Leave undergrowth and enter heavy timber, bears N.
 30° W. and S. 30° E.
- 65.00 Top of ridge, 150 ft. above hollow, bears N. 60° W. and
 S. 60° E.

Subdivision of T.1 S., E.6 W. -Continued

Chains Leave timber and enter dense undergrowth, bears
N.60°W. and S.60°E.
Descend .

75.00 Bottom of hollow, 75 ft. below ridge, course S.85°E.
Ascend .

80.00 Set a quartzite stone, 16x14x6 ins., 11 ins. in the
ground, for cor. of secs. 20, 21, 28, and 29, marked with
2 notches on S. and 4 notches on E. edges; and raise
a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
Land, mountainous and level.
Soil, gravelly and rocky; 3rd and 4th rate.
Timber, cedar and pinon pine.
Undergrowth, sage brush.
Good grass for grazing.
Mountainous or heavily timbered land, 80.00 chs.
November 17, 1903: At this cor. I set off 18°49'S. on
the decl. arc; and at 0 h, 2 m, 1. m. t., I observe
the sun on the meridian, the resulting lat. is 40°23'
N., which is the proper lat. nearly.

N.69°45'E., on a random line bet. secs. 21 and 28.

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

80.40 Intersect N. and S. line, 23 lks. N. of the cor. of secs. 21,
22, 27, and 28.
Thence I run
S.89°55'W., on a true line bet. secs. 21 and 28.
Over mountainous land; through heavy timber.
Descend.

13.20 Bottom of hollow, 50 ft. below sec. cor., course S.85°E.
Ascend .

13.50 Leave timber and enter dense undergrowth, bears NW.
and SE.

38.60 Top of ascent, 200 ft. above hollow, bears N.50°W. and
S.50°E.

Subdivision of T. 1 S., R. 6 W. - Continued

- Chains Thence over mesa.
- 40.20 Set a quartzite stone, 16x10x9 ins., 11 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.
- 49.30 Enter heavy timber, bears NW and SE.
- 50.30 Leave mesa, bears N. 50° W. and S. 50° E.
Descend.
- 57.80 Leave timber, bears NW and SE. And enter scattering timber and fallen timber, bears NW and SE.
- 80.40 The cor. of secs. 20, 21, 28, and 29.
Land, mountainous and level.
Soil, sandy and 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, 80.40 chs.
-
- N. 0° 3' W., bet. secs. 20 and 21.
Over mountainous land; through dense undergrowth.
Ascend.
- 9.50 Top of ridge, 50 ft above sec. cor., bears NW and S. 80° E.
Descend.
- 23.50 Bottom of hollow, 100 ft. below ridge, course S. 75° E.
Ascend.
- 37.50 Top of ascent, 100 ft. above hollow, bears E. and W.
Thence over mesa.
- 40.00 Set a sandstone, 14x12x8 ins., 9 ins. in the ground, for $\frac{1}{2}$ sec. cor., marked $\frac{1}{2}$ on W. face; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
- 70.25 Leave mesa, bears N. 85° W. and S. 85° E.
Descend.
- 74.00 Bottom of hollow, 75 ft. below mesa, course S. 85° E.

Subdivision of T. 1 S., R. 6 W. -Continued

Chains Ascend .

79.00 Top of spur, 50 ft. above hollow, bears N. 70° W. and S. 70° E.

Descend .

80.00 Set a sandstone, 14x10x10 ins., 9 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.

Land, mountainous.

Soil, sandy and gravelly loam; 2nd rate.

No timber.

Undergrowth, sage brush.

Good grass for grazing.

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

N. 83° 55' E., on a random line bet. secs. 16 and 21.

40.00 Set temp. ¼ sec. cor.

80.42 Intersect N. and S. line, 3 lks. N. of the cor. of secs. 15, 16, 21, and 22.

Thence I run

S. 89° 56' W., on a true line bet. secs. 16 and 21.

Over mountainous land; through dense undergrowth.

Descend .

1.00 Bottom of hollow, 10 ft. below sec. cor., course S. 40° E.

Ascend .

37.50 Top of ridge, 700 ft. above hollow, bears N. 60° W. and S. 60° E.

Enter heavy timber, bears N. 60° W. and S. 60° E.

Descend .

40.21 Set a quartzite stone, 20x14x8 ins., 15 ins. in the ground, for ¼ sec. cor., marked ¼ on N. face; from which

Subdivision of T 1 S R. 6 W -Continued

Chains A pinon pine, 10 ins. diam., bears N. 50° E., 60
 lks. dist., marked $\frac{1}{4}$ S 16 B T.
 A pinon pine, 10 ins. diam., bears S. 45° W., 40
 lks. dist., marked $\frac{3}{4}$ S 21 B T.

44.00 Bottom of hollow, 150 ft. below ridge, course S. 50° E.
 Leave timber, bears N. 50° W. and S. 50° E.
 Ascend through dense undergrowth.

53.00 Top of ridge, 300 ft. above hollow, bears NW and SE.
 Descend .

62.20 Bottom of hollow, 150 ft. below ridge, course SE.
 Ascend .

70.00 Top of ridge, 100 ft. above hollow, bears NW and SE.
 Descend .

75.00 Bottom of hollow, 100 ft. below ridge, course SE.
 Leave undergrowth and enter aspen saplings, bears
 NW and SE.
 Ascend .

77.50 Leave aspen saplings and enter dense sage and deer
 brush, bears NW and SE.

80.42 The cor. of secs. 16, 17, 20, and 21.
 Land, mountainous.
 Soil, sandy loam and gravelly; 2nd. and 3rd rate.
 Timber, cedar and pinon pine.
 Undergrowth, sage and deer brush and aspen saplings.
 Good grass for grazing.
 Mountainous or heavily timbered land, or land covered
 with dense undergrowth, 80.42 chs.

November 17, 1903.

November 18, 1903: At 8 h 2 m a.m., l.m.t., I set off
 40° 24' N., on the lat. arc; 18° 58' S., on the decl. arc; and
 determine a meridian with the solar, at the cor. of

Subdivision of T 1 S R 6 W -Continued.

Chains secs.16,17,20,and 21.

Thence. I run

N.0°3'W.,bet.secs.16 and 17.

Over mountainous land;through dense undergrowth.

Descend .

4.00 Bottom of hollow,50 ft.below cor.,course S.30°E.

Ascend .

4.25 Enter heavy aspen timber,bears E.and W.

4.75 Leave timber,bears E.and W.

29.00 Top of ridge,300 ft.above hollow,bears N.40°W.and
S.40°E.

Descend .

30.50 Enter heavy pine and balsam timber,bears NW and SE.

35.00 Bottom of hollow,100 ft.below ridge,course S.70°E.

Leave timber,bears N.70°W.and S.70°E.

Ascend .

40.00 Set a sandstone,18x10x8 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.

52.00 Top of ridge,200 ft.above hollow,bears N.70°W.and
S.70°E.

Descend through aspen timber,bears E.and W.

61.00 Bottom of hollow,150 ft.below ridge,course S.80°E.

Ascend .

62.50 Leave aspen timber,bears E.and W.

77.00 Top of ridge,150 ft.above hollow,bears N.70°W.and
S.70°E.

Enter aspen saplings,bears N.70°W.and S.70°E.

Descend .

80.00 Set a red sandstone,16x12x6 ins.,11 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
An aspen,4 ins.diam.,bears N.22°E.,31 lks.
dist.,marked T 1 S R 6 W S 9 B T.
An aspen,4 ins.diam.,bears S.43°E.,29 lks.

Subdivision of T 1 S R 6 W -Continued

Chains	<p>dist., marked T 1 S R 6 W S 16, B T.</p> <p>An aspen, 6 ins. diam., bears S. 25° W., 127 lks. dist., marked T 1 S R 6 W S 17, B T.</p> <p>An aspen, 6 ins. diam., bears N. 42° W., 33 lks. dist., marked T 1 S R 6 W S 8 B T.</p> <p>Land, mountainous.</p> <p>Soil, sandy and gravelly ; 3rd rate.</p> <p>Timber, pine, aspen, and balsam.</p> <p>Undergrowth, sage brush, deer brush, and aspen saplings.</p> <p>Good grass for grazing</p> <p>Mountainous or heavily timbered land, or land covered with dense undergrowth, 80.00 chs .</p> <hr/> <p>N. 89° 56' E., on a random line bet. secs. 9 and 16.</p> <p>40.00 Set temp. $\frac{1}{4}$ sec. cor.</p> <p>80.20 Intersect N. and S. line, at the cor. of secs. 9, 10, 15, and 16. Thence $\frac{1}{4}$ run.</p> <p>S. 89° 56' W., on a true line bet. secs. 9 and 16.</p> <p>Over mountainous land; through dense mahogany and sage brush and scattering cedar and pinon pine timber.</p> <p>Ascend . . .</p> <p>14.40 Foot of perpendicular conglomerate ledge, 40 ft. high, bears NW and SE.</p> <p>17.50 Top of ridge, 500 ft. above cor., bears NW and SE.</p> <p>Descend through scattering red and white pine timber,</p> <p>35.00 Enter heavy aspen timber, bears N. and S.</p> <p>36.00 Bottom of hollow, 300 ft. below ridge, course N.</p> <p>Ascend . . .</p> <p>37.00 Leave timber, bears N. and S.</p> <p>40.10 Set a sandstone, 20x12x4 ins., 15 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.</p> <p>60.00 Top of ridge, 400 ft. above hollow, bears N. 70° W. and</p>
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Subdivision of T.1 S., R.6 W. - Continued.

Chains	S. 70° E.
	Descend .
75.00	Enter dense aspen saplings, bears NW and SE.
77.00	Bottom of hollow, 300 ft. below ridge, course SE.
	Ascend .
80.20	The cor. of secs. 8, 9, 16, and 17.
	Land, mountainous.
	Soil, sandy loam and gravelly; 2nd and 3rd rate.
	Timber, cedar, pinon pine, aspen, red pine and white pine.
	Undergrowth, sage brush, mahogany, and aspen saplings.
	Good grass for grazing.
	Mountainous or heavily timbered land, or land covered with dense undergrowth, 80.20 chs.
	November 18, 1903: At this cor. I set off 19° 4' S., 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° 25' N., which is the proper lat. nearly.

	N. 0° 3' W., bet. secs. 8 and 9.
	Over mountainous land; through dense aspen saplings.
	Descend .
12.50	Bottom of hollow, 75 ft. below sec. cor., course S. 20° E.
	Ascend .
32.50	Top of spur, 50 ft. above hollow, bears E and W.
	Descend .
37.50	Bottom of hollow, 50 ft. below spur, course S. 80° E.
	Ascend .
40.00	Set a sandstone, 18x10x4 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.
42.00	Top of ridge, 40 ft. above hollow, bears N. 80° W. and S. 80° E.

30
Subdivision of T 1 S R 6 W -Continued

Chains	Descend abruptly over ledges .
45.00	Leave ledges, bears N. 70° W. and S. 70° E. Enter red pine timber, bears N. 70° W. and S. 70° E.
66.00	Bottom of hollow, 75 ft. below ridge, course N. 80° E. Ascend .
80.00	Set a sandstone, 16x12x5 ins., 11 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 An aspen, 5 ins. diam., bears N. 60° E., 60 lks. dist., marked T 1 S R 6 W S 4 B T. An aspen, 5 ins. diam., bears S. 45° E., 15 lks. dist., marked T 1 S R 6 W S 9 B T. An aspen, 8 ins. diam., bears S. 70° W., 125 lks. dist., marked T 1 S R 6 W S 8 B T. An aspen, 4 ins. diam., bears N. 60° W., 100 lks. dist., marked T 1 S R 6 W S 5 B T. Land, mountainous. Soil, gravelly and rocky; 3rd and 4th rate. Timber, red pine and aspen . Undergrowth, aspen saplings. Good grass for grazing. Mountainous or heavily timbered land, or land covered with dense undergrowth, 80.00 chs.

	N. 89° 56' E., on a random line bet. secs. 4 and 9.
40.00	Set temp. $\frac{1}{2}$ sec. cor.
79.96	Intersect N. and S. line, 5 lks. N. of the cor. of secs. 3, 4, 9, and 10. Thence 1 run S. 89° 58' W., on a true line bet. secs. 4 and 9. Over mountainous land; through dense undergrowth. Ascend gradually.
59.98	Set a sandstone, 18x8x6 ins., 12 ins. in the ground,

Subdivision of T.1 S., R.6 W.-Continued.

- Chains 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.
- 77.25 Enter aspen saplings, bears N. and S.
- 79.96 The cor. of secs. 4, 5, 8, and 9.
Land, mountainous.
Soil, sandy and gravelly loam; 2nd rate.
No timber.
Undergrowth, sage brush, service berry, mahogany, and aspen saplings.
Mountainous land, and land covered with dense undergrowth, 79.96 chs.
-
- N. $0^{\circ} 3' W.$, on a true line bet. secs. 4 and 5.
Over mountainous land; through dense undergrowth and scattering timber. Ascend.
- 37.50 Top of ridge, 200 ft. above sec. cor., bears N. $80^{\circ} E.$ and S. $80^{\circ} W.$
Descend over conglomerate ledges.
- 40.00 Set a sandstone, 16x12x6 ins., 11 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face; from which
An aspen, 5 ins. diam., bears N. $20^{\circ} E.$, 20 lks. dist., marked $\frac{1}{4}$ S 4 B T.
An aspen, 5 ins. diam., bears S. $29^{\circ} W.$, 50 lks. dist., marked $\frac{1}{4}$ S 5 B T.
- 75.00 Bottom of hollow, 250 ft. below ridge, course E.
Leave ledges, bears E. and W.
Ascend.
- 78.00 Top of ridge, 50 ft. above hollow, bears E. and W.
Descend.
- 93.90 Intersect the Uintah Special Base Line, 16.67 chs.
East of the standard cor. of secs. 32 and 33, which is trachyte, ^{stone,} 5x12x6 ins., above ground, firmly set, and marked and witnessed as described by H. D. Heist. D. S., under Contract No. 233.

Subdivision of T. 1 S., R. 6 W. - Continued.

Chains

Set a sandstone, 16x10x5 ins., 13 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

An aspen, 5 ins. diam., bears S. 60° E., 30 lks. dist., marked T 1 S R 6 W S 4 B T.

An aspen, 4 ins. diam., bears S. 40° W., 15 lks. dist., marked T 1 S R 6 W S 5 B T.

Land, mountainous.

Soil, gravelly; 3rd rate.

Timber, pine and aspen.

Undergrowth, sage brush, deer brush and aspen saplings

Good grass for grazing.

Mountainous land, or land covered with dense undergrowth, 93.90 chs.

November 18, 1903.

November 19, 1903: At 8 h 5 m a.m., l.m.t., I set off 40° 21' N., on the lat. arc; 19° 12' S., 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; through scattering timber and scattering undergrowth.

Ascend.

19.00 Top of ridge, 50 ft. above sec. cor., bears N. 50° W. and S. 50° E.

Descend.

30.75 Bottom of hollow, 75 ft. below ridge, course E.

Ascend.

Subdivision of T. 1 S., R. 6 W. -Continued

Chains

- 40.00 Set a sandstone, 16x10x4 ins., 11 ins. in the ground, .
for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face; from which
A cedar, 8 ins. diam., bears N. 47° E., 68 lks.
dist., marked $\frac{1}{4}$ S 32 B T.
A pinon pine, 8 ins. diam., bears S. 67° W., 80
lks. dist., marked $\frac{1}{4}$ S 31 B T.
- 47.00 Top of divide ridge, between Rock Creek Canon and
DuChesne River, 200 ft. above hollow, bears N. 40° E. and
S. 40° W.
Descend ..
- 52.00 Ascend gradually.
- 80.00 Top of divide ridge, between Rock Creek and DuChesne
River Canons, bears N. 35° W and S. 35° E.
Set a sandstone, 14x14x8 ins., 9 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; and raise a mound of
stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor..
Land, mountainous.
Soil, sandy and gravelly; 3rd rate.
Timber, cedar and pinon pine.
Undergrowth, sage brush.
Good grass for grazing.
Mountainous land, 80.00 chs.
-
- N. 89° 50' E., on a random line bet. secs. 29 and 32
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 80.20 Intersect N. and S. line, 14 lks. N. of the cor. of secs.
28, 29, 32, and 35.
Thence I run
S. 89° 56' W., on a true line bet. secs. 29 and 32.
Over level mesa; through dense undergrowth.
- 27.00 Leave mesa bears N. 10° W. and S. 55° E.

Subdivision of T.1 S R 6 W 6 ; Continued.

Chains Descend through scattering timber.

31.00 Bottom of hollow, 40 ft. below mesa, course S. 20° E.
Ascend .

40.10 Set a sandstone, 14x8x7 ins., 9 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.

80.20 The cor. of secs. 29, 30, 31, and 32.
Land, mountainous and level.
Soil, sandy loam and gravelly; 2nd and 3rd rate.
Timber, cedar and pinon pine.
Undergrowth, sage brush and deer brush.
Good grass for grazing.
Mountainous land, or land covered with dense under-
growth, 80.20 chs.

S. 89° 50' W., on a random line bet. secs. 30 and 31.

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

76.56 Intersect W. bdy. of T. 1, 12 lks. S. of the cor. of secs.
25, 30, 31, and 36, heretofore described.
Thence 1 run
N. 89° 55' E., on a true line bet. secs. 30 and 31.
Over mountainous land; through heavy cedar and pinon
pine timber.
Descend .

9.00 Bottom of hollow, 300 ft. below sec. cor., course S. 30° W.
Ascend .

28.75 Top of ridge, 100 ft. above hollow, bears N. 40° E. and
S. 40° W.
Descend .

36.56 Set a sandstone, 16x12x4 ins., 11 ins. in the ground,
for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; from which
A pinon pine, 12 ins. diam.; bears N. 45° E., 60
lks. dist., marked $\frac{1}{4}$ S 30 B T.

Subdivision of T. 1 S., R. 6 W., -Continued.

Chains A pinon pine, 12 ins. diam., bears S. 20° E., 210
 lks. dist., marked $\frac{1}{2}$ S 31 B.T.

64.00 Bottom of swale, 150 ft. below ridge, course S. 20° W.
 Ascend .

76.56 The cor. of secs. 29, 30, 31, and 32.
 Land, mountainous.
 Soil, sandy and gravelly; 3rd rate.
 Timber, cedar and pinon pine.
 Good grass for grazing.
 Mountainous and heavily timbered land, 76.56 chs .

 N. 0° 4' W., bet. secs. 29 and 30.
 Over mountainous land; through heavy timber.
 Descend .

25.00 Bottom of hollow, 150 ft. below sec. cor., course S. 80° E.
 Ascend .

30.00 Leave heavy timber and enter scattering timber and
 scattering undergrowth, bears E. and W.

40.00 Set a cobble stone, 16x10x 4 ins., 11 ins. in the ground,
 for $\frac{1}{2}$ sec. cor., marked $\frac{1}{2}$ on W. face; and raise a mound
 of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor.

53.00 Enter heavy timber, bears NE and SW. .

60.00 Leave timber, bears N. 80° E. and S. 80° W.

80.00 Set a quartzite stone, 14x10x10 ins., 9 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, 1 $\frac{1}{2}$ ft. high, W. of cor.
 Land, mountainous.
 Soil, sandy and gravelly, ; 3rd rate.
 Timber, cedar and pinon pine.
 Undergrowth, sage brush and deer brush.
 Good grass for grazing.
 Mountainous or heavily timbered land, 80.00 chs.
 November 19, 1903: At the noon hour the sky is overcast

Subdivision of T.1 S., R.6 W., -Continued.

Chains and solar observations are impossible.

N.89°56'E., on a random line bet. secs. 20 and 29.

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

80.36 Intersect N. and S. line, 19 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 dense undergrowth.

Ascend .

7.00 Leave dense and enter scattering undergrowth, bears N. and S.

10.00 Enter dense undergrowth, bears N. and S.

11.75 Bottom of hollow, 100 ft. below ridge, course S.80°E.
Ascend .

32.00 Top of spur, 100 ft. above hollow, bears NW. and S.60°E.
Descend.

32.50 Enter heavy timber, bears NW and SE.

36.00 Leave heavy and enter very scattering timber, bears NW and SE .

40.18 Set a sandstone, 18x12x6 ins., 12 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked with $\frac{1}{4}$ on N. face; and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor.

41.30 Bottom of hollow, 200 ft. below ridge, course S.25°E.
Ascend .

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

65.00 Leave aspen timber and enter dense undergrowth, bears N. and S.

68.00 Top of ridge, 300 ft. above hollow, bears N. and S.
Descend .

80.36 The cor. of secs. 19, 20, 29, and 30.

Land, mountainous .

Soil, sandy and gravelly loam; 2nd rate.

Subdivision of T 1 S .R 6 W -Continued

- Chains Timber, cedar, pinon pine, and aspen.
Undergrowth, aspen saplings, sage brush, and deer brush.
Good grass for grazing.
Mountainous or heavily timbered land, or land covered
with dense undergrowth, 80.36 chs.
-
- S. 89° 55' W., on a random line bet. secs. 19 and 30.
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 76.30 Intersect W. bdy. of Tp., 12 lks. S. of the cor. of secs.
19, 24, 25, and 30, heretofore described.
Thence I run
East, on a true line bet. secs. 19 and 30.
Over mountainous land; through dense undergrowth.
Ascend .
- 15.00 Top of divide ridge, betwee Rock Creek and DuChesne
River Canons, 350 ft. above sec. cor., bears N. 45° W. and
S. 60° E.
Descend .
- 36.30 Set a cobble stone, 14x12x7 ins., 9 ins. in the ground,
for $\frac{3}{4}$ sec. cor., marked $\frac{3}{4}$ on N. face; and raise a mound
of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, North of the cor.
- 38.60 Bottom of hollow, 600 ft. below ridge, course S. 60° E.
Ascend .
- 49.50 Top of spur, 300 ft. above hollow, bears NW and SE.
Descend .
- 57.00 Bottom of hollow, 250 ft. below ridge, course S.
Ascend .
- 62.00 Top of ridge, 200 ft. above hollow, bears N. and S.
Descend .
- 73.00 Bottom of hollow, 200 ft. below ridge, course S. 10° W.
Ascend .
- 76.30 The cor. of secs. 19, 20, 29, and 30.
Land, mountainous.

Subdivision of T.1 S .R 6 W -Continued

Chains Soil,sandy and gravelly loam;2nd rate.

No timber.

Undergrowth,service berry and deer brush.

Good grass for grazing.

Mountainous land,andland covered with dense undergrowth,76.30 chs.

N.0°4'W.,bet.secs.19 and 20.

Over mountainous land;through dense undergrowth.

Descend .

6.00 Bottom of hollow,100 ft.below sec.cor.,course SW.

Ascend .

25.60 Top of ridge,150 ft.above hollow,bears E.and W.

Descend .

40.00 Bottom of hollow,300 ft.below ridge,course W.

Set a sandstone,16x14x12 ins.,11 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.

Ascend .

70.00 Enter scattering timber,bears E.and W.

80.00 Set a sandstone, 30x18x8 ins.,22 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 red pine,14 ins.diam.,bears N.12°E.,50 lks.dist.,marked T 1 S R 6 W S 17 B T.

A balsam,10 ins.diam.,bears S.89°W.,30 lks. dist.,marked T 1 S R 6 W S 19 B T.

A balsam 10.,ins.diam.,bears N.45°W.,175 lks.dist.,marked T 1 S R 6 W S 18 B T.

No tree within limits in sec.20;raise a mound of stone,2 ft.base,1 $\frac{1}{2}$ ft.high,W.of cor.

Land,mountainous.

Soil,sandy and gravelly loam;2nd rate.

Subdivision of T.1 S .R.6.W.-Continued.

Chains Timber, red pine and balsam.
Undergrowth, sage brush, deer brush, and service berry.
Good grass for grazing.
Mountainous land, or land covered with dense under-
growth, 80.00 chs.

November 19, 1903.

November 20, 1903. At 8 h 3 m a.m., l.m.t., I set off
40° 24' N., on the lat. arc; 19° 27' S., on the decl. arc; and
determine a meridian with the solar, at the cor. of
secs. 17, 18, 19, and 20.

Thence I run

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

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

80.30 Intersect N. and S. line, 2 lks. N. of the cor. of secs.
16, 17, 20, and 21.

Thence I run

N. 89° 55' W., on a true line bet. secs. 17 and 20.

Over mountainous land; through dense deer and sage
brush.

Ascend .

2.00 Top of spur, 50 ft. above sec. cor., bears N. 70° W. and
S. 70° E.

Descend .

30.00 Bottom of hollow, 100 ft. below spur, course S. 80° E.

Ascend .

30.50 Leave undergrowth and enter heavy aspen and pine
timber, bears N. 80° W. and S. 80° E. .

40.15 Set a sandstone, 16x10x5 ins., 11 ins. in the ground,
for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; from which

An aspen, 16 ins. diam., bears N. 45° E., 12

lks. dist., marked $\frac{1}{4}$ S 17 B T.

Subdivision of T.1 S. R.6 W.-Continued.

Chains An aspen, 4 ins. diam., bears S. 35° W., 90 lks.
dist., marked $\frac{1}{4}$ S 20 B T.

76.00 Top of ridge, 400 ft. above hollow, bears NW and SE.

- Descend .

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

Land, mountainous .

Soil, sandy and gravelly loam; 2nd rate.

Timber, pine and aspen.

Undergrowth, sage and deer brush.

Good grass for grazing.

Mountainous or heavily timbered land, or land covered
with dense undergrowth, 80.30 chs.

West, on a random line bet. secs. 18 and 19.

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

76.04 Intersect W. bdy. of 1p., 14 lks. N. of the cor. of secs.
13, 18, 19, and 24, heretofore described.

Thence I run

N. 89° 54' E., on a true line bet. secs. 18 and 19.

Over mountainous land; through scattering timber and
dense undergrowth.

Ascend .

11.50 Top of ridge, 250 ft. above sec. cor., bears N. 30° W. and
S. 30° E.

Descend .

35.50 Hollow, 350 ft. below ridge, course S. 20° E.

Ascend .

36.04 Set a sandstone, 18x10x8 ins., 12 ins. in the ground,
for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; from which

An aspen, 6 ins. diam., bears N. 80° W., 15 lks.
dist., marked $\frac{1}{4}$ S 18 B T.

An aspen, 12 ins. diam., bears S. 7° W., 253
lks. dist., marked $\frac{1}{4}$ S 19 B T.

Subdivision of T.1 S., R.6 W. -Continued.

Chains

43.50 Top of ridge, 250 ft. above hollow, bears N. 50° W. and S. 30° E.

Descend .

57.00 Bottom of hollow, 550 ft. below ridge, course S. 20° E.

Ascend .

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

Land, mountainous.

Soil, sandy and gravelly loam; 2nd rate.

Timber, pine and aspen.

Undergrowth, aspen saplings, service berry, and deer brush.

Good grass for grazing.

Mountainous land, or land covered with dense undergrowth, 76.04 chs.

N. 0° 4' W., bet. secs. 17 and 18.

Over mountainous land; through scattering timber and dense undergrowth.

Ascend .

3.50 Top of ridge, 40 ft. above sec. cor., bears NW and SE.

Descend .

8.00 Bottom of swale, 60 ft. below ridge, course E.

Ascend .

15.00 Top of ridge, 60 ft. above hollow, bears E. and W.

Descend .

20.00 Bottom of swale, 50 ft. below ridge, course L.

Ascend .

40.00 Set a sandstone, 14x10x6 ins., 9 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face; from which

An aspen, 6 ins. diam., bears N. 20° E., 30 lks. dist., marked $\frac{1}{4}$ S 17 B T.

An aspen, 7 ins. diam., bears S. 40° W., 60 lks.

Subdivision of T. 1 S. R. 6 W. -Continued.

Chains	dist., marked $\frac{1}{4}$ S 18 B T.
70.00	Top of ridge, 300 ft. above hollow, bears N. 80° W. and S. 80° E. Descend .
75.00	Bottom of swale, 40 ft. below ridge, course S. 85° E. Ascend .
80.00	Set a sandstone, 14x10x6 ins., 9 ins. in the ground, for cor. of secs. 8, 7, 17, and 18, marked with 4 notches on S. and 5 notches on E. edges; from which An aspen, 6 ins. diam., bears N. 30° E., 40 lks. dist., marked T 1 S R 6 W S 8 B T. An aspen, 8 ins. diam., bears S. 30° E., 50 lks. dist., marked T 1 S R 6 W S 17 B T. An aspen, 6 ins. diam., bears S. 20° W., 20 lks. dist., marked T 1 S R 6 W S 18 B T. An aspen, 6 ins. diam., bears N. 50° W., 60 lks. dist., marked T 1 S R 6 W S 7 B T.
	Land, mountainous.
	Soil, sandy and gravelly loam; 2nd rate.
	Timber, pine and aspen.
	Undergrowth, deer brush, aspen saplings, and service berry.
	Good grass for grazing.
	Mountainous land, or land covered with dense undergrowth, 80.00 chs .
	November 20, 1903: At the noon hour the sky is overcast and solar observations are impossible.

	S. 89° 55' E., on a random line bet. secs. 8 and 17.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.26	Intersect N. and S. line, 21 lks. S. of the cor. of secs. 8, 9, 16, and 17.

Subdivision of T.1 S., R.6 W.-Continued.

Chains Thence I run
 $\sqrt{S.89^{\circ}56'W.}$, on a true line bet. secs. 8 and 17.
 Over mountainous land; through dense undergrowth .
 Ascend .

15.00 Top of ridge, 300 ft. above sec. cor., bears NW and SE.
 Descend .

20.00 Enter scattering timber, bears NW and SE.

37.00 Leave timber, bears N. and S.

40.13 Set a sandstone, 18x10x4 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.

46.00 Enter scattering timber, bears N. and S..

80.26 The cor. of secs. 7, 8, 17, and 18.
 Land, mountainous.
 Soil, sand and gravelly loam; 2nd rate.
 Timber, pine and aspen.
 Undergrowth, oak, mahogany and aspen saplings.
 Good grass for grazing.
 Mountainous land, or land covered with dense under-
 growth, 80.26 chs.

S. $89^{\circ}54'W.$, on a random line bet. secs. 7 and 18.

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

75.80 Intersect W. bdy. of Tp., 14 lks. S. of the cor. of secs.
 7, 12, 13, and 18, heretofore described.

Thence I run
 East, on a true line bet. secs. 7 and 18.
 Over mountainous land; through dense undergrowth .
 Ascend .

4.00 Enter heavy timber, bears NW and SE.

12.00 Top of ridge, 250 ft. above sec. cor., bears N. $45^{\circ}W.$
 and S. $45^{\circ}E.$
 Descend .

Subdivision of T.1 S., R.6 W. - Continued

Chains

- 35.80 Bottom of hollow, 600 ft. below ridge; course S. 30° E.
 Set a sandstone, 18x11x4 ins., 12 ins. in the ground,
 for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; from which
 An aspen, 4 ins. diam., bears N. 5° W., 25 lks.
 dist., marked $\frac{1}{4}$ S 7 B T.
 An aspen, 5 ins. diam., bears S. 20° W., 20 lks.
 dist., marked $\frac{1}{4}$ S 18 B T.
- 48.00 Top of ridge, 400 ft. above hollow, bears N. and S.
 Descend .
- 57.00 Bottom of hollow, 500 ft. below ridge, course S. 20° E.
 Ascend .
- 75.00 Top of ridge, 600 ft. above hollow, bears N. and S.
 Descend .
- 75.80 The cor. of secs. 7, 8, 17, and 18.
 Land, mountainous.
 Soil, sandy and gravelly loam; 2nd rate.
 Timber, pine and aspen.
 Undergrowth, service berry, deer brush, oak, and aspen
 saplings.
 Good grass for grazing.
 Mountainous or heavily timbered land, or land covered
 with dense undergrowth, 75.80 chs.
-
- N. 0° 4' W., bet. secs. 7 and 8.
 Over mountainous land; through dense undergrowth.
 Ascend .
- 10.00 Top of ridge, 100 ft. above sec. cor., bears E. and W.
 Descend .
- 18.00 Bottom of hollow, 100 ft. below ridge, course E.
 Ascend .
- 30.00 Top of ridge, 150 ft. above hollow, bears N. 80° W. and
 S. 80° E.

Subdivision of T 1 S R. 6 W. -Continued

- Chains Descend through scattering timber.
- 40.00 Set a sandstone, 18x13x4 ins., 12 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face; from which
- A red pine, 9 ins. diam., bears N. 80° E., 60 lks. dist., marked $\frac{1}{4}$ S 8 B T.
- A red pine, 12 ins. diam., bears N. 60° W., 75 lks. dist., marked $\frac{1}{4}$ S 7 B T.
- 45.00 Bottom of hollow, 150 ft. below ridge, course E.
- Ascend .
- 55.00 Top of ridge, 250 ft. above hollow, bears N. 80° W. and S. 80° E.
- Descend .
- 80.00 Set a quartzite stone, 14x12x8 ins., 9 ins. in the ground, for cor. of secs. 5, 6, 7, and 8, marked with 5 n notches on S., and E. edges; from which
- A red pine, 18 ins. in diam., bears N. 25° E., 60 lks. dist., marked T 1 S R 6 W S 5 B T.
- A red pine, 8 ins. diam., bears S. 45° E., 40 lks. dist., marked T 1 S R 6 W S 8 B T.
- A red pine, 5 ins. diam., bears S. 40° W., 30 lks. dist., marked T 1 S R 6 W S 7 B T.
- A red pine, 5 ins. diam., bears N. 45° W., 15 lks. dist., marked T 1 S R 6 W S 6 B T.

Land, mountainous.

Soil, sandy and gravelly loam ; 2nd rate.

Timber, pine and aspen.

Undergrowth, aspen saplings, service berry and mahogany.

Good grass for grazing.

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

November 20, 1903.

November 21, 1903. At 8 h 2 m a.m., l.m.t., I set off

Subdivision of T.1 S., R.6 W.-Continued

Chains	<p>40° 25' N., on the lat. arc; 19° 40' S., on the defl. arc; and determine a meridian, with the solar, at the cor. of secs. 5, 6, 7, and 8.</p> <p>Thence I run</p> <p style="padding-left: 40px;">N. 89° 56' E., on a random line bet. secs. 5 and 8.</p> <p>40.00 Set temp. $\frac{1}{4}$ sec. cor.</p> <p>80.14 Intersect N. and S. line, 5 lks. N. of the cor. of secs. 4, 5, 8, and 9.</p> <p>Thence I run</p> <p style="padding-left: 40px;">S. 89° 58' W., on a true line bet. secs. 5 and 8.</p> <p>Over mountainous land; through dense undergrowth, Ascend .</p> <p>40.07 Set a quartzite stone, 16x10x6 ins., 11 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; from which</p> <p style="padding-left: 40px;">An aspen, 3 ins. diam., bears N. 25° E., 20 lks. dist., marked $\frac{1}{4}$ S 5 B T.</p> <p style="padding-left: 40px;">An aspen, 3 ins. diam., bears S. 20° E., 35 lks. dist., marked $\frac{1}{4}$ S 8 B T.</p> <p>46.00 Top of ridge, 600 ft. above sec. cor., and 50 ft. above $\frac{1}{4}$ sec. cor., bears N. and S.</p> <p>Descend .</p> <p>73.75 Bottom of hollow, 500 ft. below ridge, course SE.</p> <p>Ascend.</p> <p>74.00 Enter scattering pine and aspen timber, bears NW and SE.</p> <p>80.14 The cor. of secs. 5, 6, 7, and 8.</p> <p>Land, mountainous.</p> <p>Soil, sand and gravelly loam; 2nd rate.</p> <p>Timber, pine and aspen.</p> <p>Undergrowth, aspen saplings, choke cherry, service berry and rose bushes.</p> <p>Good grass for grazing.</p> <p>Mountainous land, or land covered with dense under- growth, 80.14 chs.</p>
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Subdivision of T.1 S., R.6 W.-Continued.

Chains

West, on a random line bet. secs. 6 and 7.

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

75.60 Intersect W. bdy. of Tp., 15 lks. S. of the cor. of secs. 1, 6, 7, and 12, heretofore described.

Thence I run

✓ S. 89° 53' E., on a true line bet. secs. 6 and 7.

Over mountainous land; through heavy timber and dense undergrowth.

Descend .

6.00 Bottom of hollow, 200 ft. below sec. cor., course S. 20° E.

Ascend .

14.00 Top of ridge, 400 ft. above hollow, bears N. 20° W. and S. 20° E.

Descend.

35.60 Set a sandstone, 15x10x7 ins., 10 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; from which

A pine, 6 ins. diam., bears N., 2 lks. dist., marked $\frac{1}{4}$ S 6 B T.

A red pine, 5 ins. diam., bears S. 3° W., 29 lks. dist., marked $\frac{1}{4}$ S 7 B T.

40.00 Bottom of hollow, 600 ft. below ridge, course S. 20° E.

Ascend .

56.00 Top of ridge, 500 ft. above hollow, bears NW and SE.

Descend .

75.60 The cor. of secs. 5, 6, 7, and 8.

Land, mountainous .

Soil, sandy and gravelly loam; 2nd rate.

Timber, pine and aspen.

Undergrowth, sage brush and aspen saplings.

Good grass for grazing.

Mountainous and heavily timbered land, or land covered with dense undergrowth, 75.60 chs.

Subdivision of T.1 S., R.6 W.-Continued.

Chains

- N. 0° 4' W., on a true line bet. secs. 5 and 6.
Over mountainous land; through dense aspen saplings
and sage brush and scattering timber.
Descend .
- 6.00 Bottom of hollow, 100 ft. below sec. cor., course SE.
Ascend .
- 24.50 Top of ridge, 300 ft. above hollow, bears N. 80° W. and
S. 80° E.
Descend .
- 40.00 Set a sandstone, 18x9x6 ins., 12 ins. in the ground, for
sec. cor., marked $\frac{1}{4}$ on W. face; from which
An aspen, 8 ins. diam., bears N. 70° E., 47 lks.
dist., marked $\frac{1}{4}$ S 5 B T.
A red pine, 10 ins. diam., bears S. 20° W., 25
lks. dist., marked $\frac{1}{2}$ S 6 B T.
- 56.50 Bottom of hollow, 400 ft. below ridge, course N. 60° E.
Ascend .
- 73.00 Top of ridge, 300 ft. above hollow, bears N. 65° E. and S.
65° W.
Descend .
- 93.82 Intersect the Uintah Special Base, 16.42 chs. East of
the standard cor. of secs. 31 and 32, which is a
trachyte stone, 5x10x6 ins., above ground, firmly set,
and marked and witnessed as described by H. D. Heist,
D. S., under Contract No. 266.
Set a sandstone, 16x8x5 ins., 11 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
an aspen, 8 ins. diam., bears S. 47° E., 20 lks.
dist., marked T 1 C R 6 W 3 5 B T.
An aspen, 10 ins. diam., bears S. 30° W., 23 lks.
dist., marked T 1 C R 6 W 3 6 B T.
- Land, mountainous.

Subdivision of T.1 S., R.6 W.-Concluded.

Chains Soil, sandy and gravelly loam ; 2nd rate.
Timber, pine and aspen.
Undergrowth, aspen saplings and sage brush.
Good grass for grazing.
Mountainous land, or land covered with dense under-
growth, 93.82 chs.

11 a.m. November 21, 1903.

GENERAL DESCRIPTION.

This township is all mountainous. It is very steep and ledgy east of Rock Creek; rolling in the central part ; and high in the western part. The soil east of Rock Creek is generally rocky; 4th rate; but the soil of the remainder of the township is principally sandy and gravelly loam; 2nd rate.

The eastern part of the township is well timbered with cedar and pinon pine; the central part has only scattering cedar and pinon pine timber, but has a good deal of sage brush; while the western part of the township is covered with a heavy growth of pine and aspen timber and a dense growth, of aspen saplings, service berry, and deer brush.

The township is well watered in the eastern part by Rock Creek, a stream of good water, having an average width of 75 lks. and an average depth of 1½ ft.

There is no water at all in the western part of the township.

There are no settlers in the township.

There is no mineral in the township.

The entire township is covered with an abundant growth of rich and nutritious grasses, and is therefore well adapted for grazing purposes.

Andrew Stewart
U.S. Deputy Surveyor.

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by

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

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

For final affidavits see book 2" Tp. 3 S R. 7 W, Chainman.

....., Chainman.

....., Moundman.

....., Moundman.

....., Axman.

....., Axman.

....., Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted

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

..... those parts or portions of the

..... of the

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

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

General for

For final affidavits see book 2" Tp. 3 S R. 7 W, Chainman.

....., Chainman.

....., Moundman.

....., Moundman.

....., Axman.

....., Axman.

....., Flagman.

Subscribed and sworn to before me this

day of, 189



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 2nd Tp. 3 S. R. 7 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____ }



APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, August 22, 1904

The foregoing field notes of the survey of the Subdivisional lines of Township No. 1 South, Range No. 6 West of the Uintah Special Base and Meridian, Utah,

executed by Andrew J. Stewart Jr. and Alfred L. Booth.
under ~~my~~ ^{their} contract No. 270, dated July 22, 1903, ~~has~~, 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.