Volume

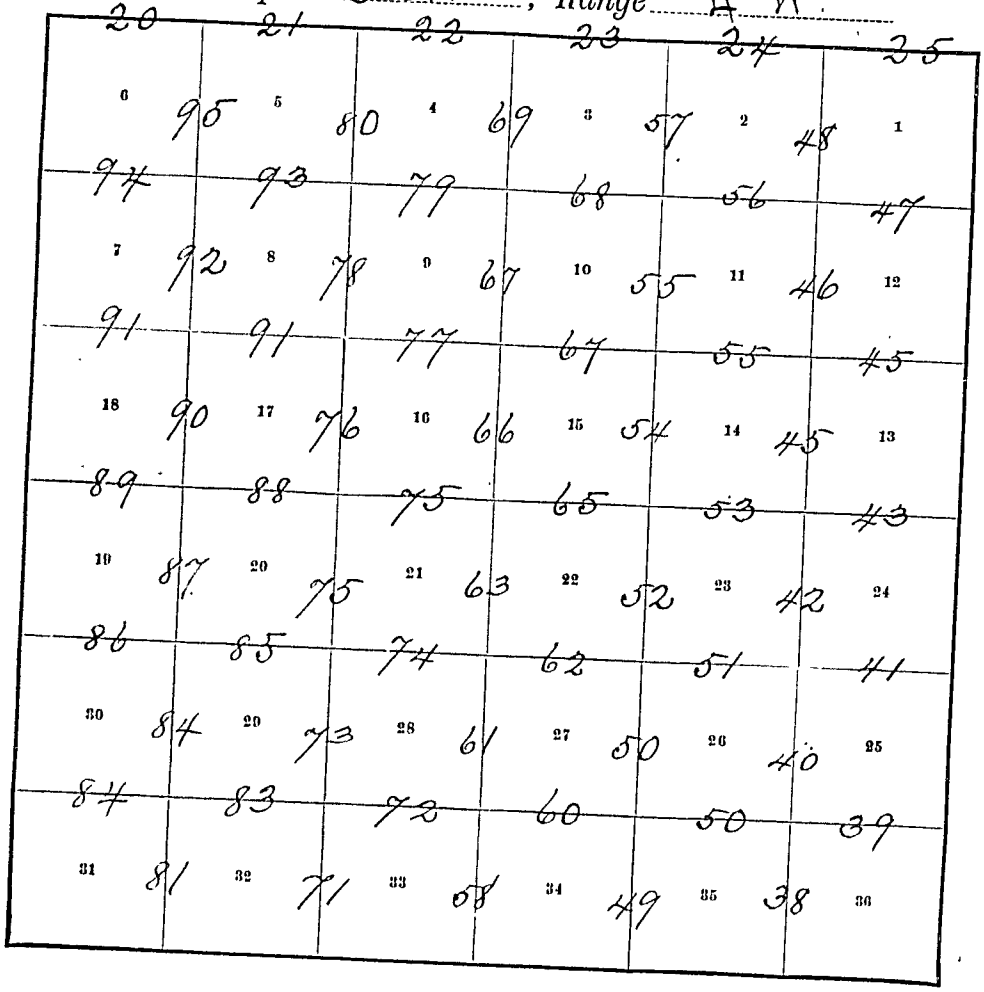
#

R0310

BOOK A-310

INDEX DIAGRAM.

Township 3 N., *Range* 4 W.



Meanders Page

PRELIMINARY OATHS OF ASSISTANTS.

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

....., *Chainman.*

....., *Chainman.*

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

SEAL

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

....., *Moundman.*

....., *Moundman.*

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

SEAL

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

....., *Axman.*

....., *Axman.*

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

SEAL

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

....., *Flagman.*

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

SEAL

BOOK A-310

INDEX DIAGRAM.

Township 4 N., *Range* 4 W.

112 6	189 5	186 4	184 3	181 2	178 1
~~188~~	~~188~~	~~186~~	~~183~~	~~180~~	~~178~~
111 7	187 8	185 9	182 10	180 11	177 12
~~176~~	~~175~~	~~166~~	~~159~~	~~152~~	~~145~~
110 18	174 17	165 16	157 15	151 14	143 13
~~173~~	~~173~~	~~165~~	~~157~~	~~149~~	~~142~~
109 19	172 20	164 21	156 22	149 23	142 24
~~171~~	~~170~~	~~163~~	~~155~~	~~148~~	~~141~~
108 30	170 29	162 28	154 27	147 26	140 25
~~169~~	~~168~~	~~161~~	~~154~~	~~146~~	~~140~~
107 31	167 32	160 33	153 34	146 35	139 36

Meanders Page 191 - 193

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 [illegible]; that we will report the true distances to all notable objects, and the true lengths of all lines [illegible] measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of

.....

..... , *Chainman.*

..... , *Chainman.*

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

SEAL

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

.....

..... , *Moundman.*

..... , *Moundman.*

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

SEAL

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

.....

..... , *Axman.*

..... , *Axman.*

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

SEAL

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

..... *Flagman.*

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

SEAL

6—151

BOOK A-310

INDEX DIAGRAM.

Township 4 N., *Range* 3 W.

129 6 255	5 252	4 248	3 243	2 238	1
128 ~~254~~	~~253~~	~~251~~	~~247~~	~~242~~	~~237~~
127 7 253	8 250	9 246	10 241	11 236	12
~~234~~	~~233~~	~~250~~	~~245~~	~~240~~	~~236~~
126 18 232	17 249	16 244	15 239	14 235	13
~~231~~	~~231~~	~~224~~	~~219~~	~~213~~	~~207~~
125 19 230	20 223	21 218	22 212	23 206	24
~~229~~	~~229~~	~~223~~	~~217~~	~~211~~	~~206~~
124 30 228	29 222	28 216	27 210	26 205	25
~~227~~	~~226~~	~~221~~	~~215~~	~~209~~	~~204~~
123 31 225	32 220	33 214	34 208	35 203	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

SEAL

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

.....

..... , *Moundman.*

..... , *Moundman.*

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

SEAL

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

.....

..... , *Axman.*

..... , *Axman.*

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

SEAL

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

..... , *Flagman.*

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

SEAL

BOOK A-310

INDEX DIAGRAM.

Township 5 N., *Range* 3 W

6	5	4	3	2	1
7	8	9	10	11	12
289 18 336 ~~335~~	17 335 ~~335~~	16 329 ~~328~~	15 323 ~~322~~	14 ~~318~~	13
288 19 334 ~~334~~	20 332 ~~332~~	21 328 ~~327~~	22 322 ~~321~~	23 316 ~~315~~	24 312 ~~311~~
288 30 332 ~~331~~	29 331 ~~331~~	28 326 ~~325~~	27 320 ~~319~~	26 315 ~~314~~	25 310 ~~310~~
287 31 330 ~~271~~	32 330 ~~270~~	33 324 ~~269~~	34 318 ~~267~~	35 313 ~~266~~	36 309 ~~265~~

Meanders Page

6—151

PRELIMINARY OATHS OF ASSISTANTS.

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

.....

....., *Chainman.*

....., *Chainman.*

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

SEAL

.....

.....

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

.....

....., *Moundman.*

....., *Moundman.*

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

SEAL

.....

.....

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

.....

....., *Axman.*

....., *Axman.*

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

SEAL

.....

.....

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

....., *Flagman.*

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

SEAL

.....

.....

BOOK A-310

INDEX DIAGRAM.

Township 5 N., *Range* 4 W.

6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
		366		358	353
19	20	21	22	23	24
	365	362	357	352	
	368	364	361	356	352
30	29	28	27	26	25
	364	360	356	351	
	368	363	360	355	350
31	32	33	34	35	36
279 367	362	359	354	349	
276	276	275	274	273	272

Meanders Page

G—151

PRELIMINARY OATHS OF ASSISTANTS.

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

.....

.....*, Chainman.*

.....*, Chainman.*

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

SEAL

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

.....

.....*, Moundman.*

.....*, Moundman.*

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

SEAL

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

.....

.....*, Axman.*

.....*, Axman.*

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

SEAL

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

.....*, Flagman.*

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

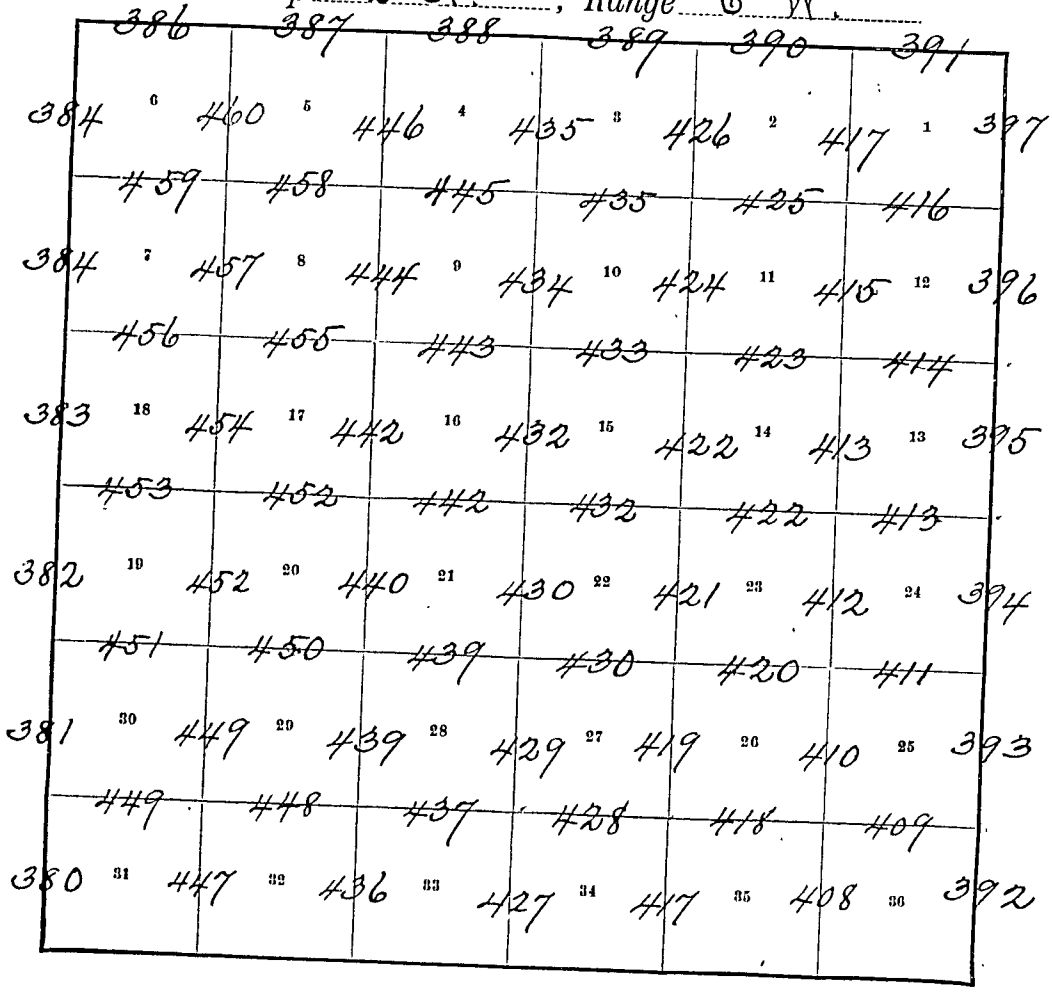
SEAL

6—151

BOOK A-310

INDEX DIAGRAM.

Township 2 N., *Range* 6 W.



Meanders Page 462-3

PRELIMINARY OATHS OF ASSISTANTS.

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

.....

....., *Chainman.*

....., *Chainman.*

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

.....

SEAL

.....

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

.....

....., *Moundman.*

....., *Moundman.*

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

.....

SEAL

.....

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

.....

....., *Axman.*

....., *Axman.*

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

.....

SEAL

.....

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

....., *Flagman.*

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

.....

SEAL

.....

6—151

BOOK A-310

INDEX DIAGRAM.

Township 3 N., *Range* 5 W.

~~478~~	~~479~~	~~480~~	~~481~~	~~482~~	~~483~~
477 6	541 5	529 4	519 3	510 2	501 1
~~541~~	~~540~~	~~528~~	~~518~~	~~509~~	~~500~~
476 7	539 8	527 9	517 10	508 11	499 12
~~538~~	~~537~~	~~526~~	~~517~~	~~508~~	~~499~~
476 18	537 17	525 16	516 15	507 14	498 13
~~536~~	~~535~~	~~524~~	~~515~~	~~506~~	~~497~~
475 19	535 20	523 21	514 22	505 23	497 24
~~534~~	~~533~~	~~523~~	~~513~~	~~504~~	~~496~~
474 30	532 29	522 28	513 27	503 26	495 25
~~531~~	~~531~~	~~521~~	~~512~~	~~503~~	~~494~~
473 31	530 32	520 33	511 34	502 35	493 36

Meanders Page 542-3

PRELIMINARY OATHS OF ASSISTANTS.

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

..... *Chainman.*

..... *Chainman.*

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

SEAL

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

..... *Moundman.*

..... *Moundman.*

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

SEAL

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

..... *Axman.*

..... *Axman.*

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

SEAL

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

..... *Flagman.*

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

SEAL

4—679.

G

BOOK A-310

MAY 25 1904

U.S.F.
K.F.B.

S.H.

FIELD NOTES

OF THE SURVEY OF THE

North Boundary of
Township 3 N. R. 4 W.

Of the Uintah Special Base and Meridian,
Utah

AS SURVEYED BY

James C. Dick and Austin K. Turman, United States Deputy Surveyors

Under his Contract No. 272, dated July 22 1903, ~~189~~

Survey commenced October 10, 1903, ~~189~~

Survey completed October 14, 1903, ~~189~~

6—151

high. 5-79.49

BOOK A-310

NAMES AND DUTIES OF ASSISTANTS.

H H Bader Chairman

Robt. Orbison "

Will Castleton Moundman

John Davis Axman

Francis M. Benton Axman

Joseph Harrison Flagman

In preliminary affidavits see book C Tp 2 N R 4 W

BOOK A-310

INDEX DIAGRAM.

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

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

Meanders Page.....

6—151

PRELIMINARY OATHS OF ASSISTANTS.

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

.....

....., *Chainman.*

....., *Chainman.*

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

.....

SEAL

.....

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

.....

....., *Moundman.*

....., *Moundman.*

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

.....

SEAL

.....

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

.....

....., *Axman.*

....., *Axman.*

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

.....

SEAL

.....

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

.....

....., *Flagman.*

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

.....

SEAL

.....

N Bdy. Tp. 3. N. R 4. W.

Survey commenced Oct 10. 1903 and executed with a Buff and Berger transit No 2323. for full description of which see notes of Resurvey of South Bdy T. 2. N. R 4. W. Book "A"

I begin at the corner of Tp 3 & 4 N Rs 3 & 4 W. which is a quartzite 10 x 6 x 6 in above ground set marked & [illegible] as [illegible] cribed by H. E. Freudenthal Contract No 268 in approximate latitude 40° 41' 59" N longitude 110° 17' 57" W.

At 6h 16m p.m. l.m.t. I observe Polaris at eastern elongation in accordance with instructions in Manual and mark the point thus determined by a tack driven in a wooden plug set firmly in the ground 5 chs north of corner.

Oct 10. 1903.

Oct 11. 1903. at 6h 30m am l.m.t. I lay off the azimuth of Polaris 1° 35' 5 to the west and mark the meridian thus determined by a cross on a stone firmly set in the ground west of the point established last night

The magnetic bearing of the true meridian is N 16° 32' W which gives the mag decl 16° 32' E

From the Tp corner I turn off an angle of 90° W from the north & south line and run west a random line along north Boundary of the township [illegible] 1/4 sec & sec corners at of 40 & 80 chains and at 79.49 chs intersect West Bd Tp

N. Bdy of Tp. 3 N. R 4 W.

chains	126 lks N of the point for corner of Tps 3 & 4 N Rs 4 & 5 W. Heretofore described the following answers to a corrections of 0°9' or 21 lks S per mile counting from the NE corner of the township. From this point I run N 89° 51' W along North Bdy of T 3 N R 5 W. as established by Deputy Trotter Contract #273. 4.64 chains where I intersect a sandstone 6 x 14 x 9 ins above ground set for witness corner to Tps 3 & 4 N Rs 4 & 5 W marked with 6 notches on each edge & WC on NE face & mound of stones 2 ft base 1½ ft high S of corner. Thence from point for corner to Tps 3 & 4 N Rs 4 & 5 W. N 89° 51' E on true line between Secs 6 & 31
	Abrupt descent over ledges and boulders
0.50	Foot of ledge bears N & S
30.00	Lake 20 chs long 5 chs wide 2 chs S of line ascend
38.00	Ridge 100 ft high bears N & S Descend Enter pines bears N & S.
39.49	Set a sandstone 28" x 8" x 8" 21 ins in the ground for ¼ section corner marked ¼ on N face from which A pine 12" dia bears N 8° E. 80 lks distant Marked ¼ S. 31. B.T. A pine 13" dia bears S 71° E 65 lks dist marked ¼ S. 6 B.T.
49.00	Gulch 125 ft deep chs S. Ascend Small lake 3 chs S of line
54.00	Ridge 75 ft high bears N & S Descend
78.00	Foot of descent across flat
79.49	Set a sandstone 16 x 12 x 10 ins 11" in the ground for corner of sections 5 6. 31 & 32 marked with 1 notch on W and 5 notches

N. Bdy. Tp. 3 N. R. 4 W.

Chains

on E. edges; from which
A pine 7 ins. diam., bears
N. 64° W. 26 lks. dist. marked
T. 4 N. R. 4 W. S. 31 B.T.
A pine 10 ins. diam., bears
N. 30° E. 29 lks. dist. marked
T. 4 N. R. 4 W. S. 32 B.T.
A pine 12 ins. diam. bears
S. 68° E. 46 lks. dist. marked
T. 3 N. R. 4 W. S. 5 B.T.
A pine 13 ins. diam., bears
S. 25° W. 23 lks. dist., marked
T. 3 N. R. 4 W. S. 6 B.T.
Land, mountainous.
Soil, rocky; 4" rate.
Timber, pine.
Mountainous land 79.49 chs.
Heavy timber 41.49 chs.
Oct. 11, 1903.

Oct. 12, 1903.
N. 89° 51' E. on a true line bet.
secs. 5 and 32.
Across timber covered flat.
1.50 Ascend. Leave flat bes. N and S.
Ridge bes. N. W. and S. E.
40.00 Set a sandstone 16 X 12 X 8
ins., 11 ins. in the ground
for 1/4 sec. cor. marked
1/4 on N. face; from which
A pine 10 ins. diam., bears
N. 11° W. 15 lks. dist., marked
1/4 S. 32 B.T.
A pine 12 ins. diam., bears
S. 45° 30' E. 26 lks. dist., marked
1/4 S. 5 B.T.
Continue gradual descent.
59.50 Stream 10 links wide,
course S. E.
Across little plateau
through heavy timber.

N. Bdy. Tp. 3 N. R. 4 W.

Chains	
66.25	Leave plateau and descend.
80.00	Set a sandstone 16 x 6 x 8 ins. 11 ins. in the ground for cor. to secs. 4, 5, 32 and 33, marked with 2 notches on W. and 4 notches on E. edge; from which
	A pine 10 ins. diam., bears S. 48° 10' W. 42 lks. dist., marked T 3 N. R. 4 W. S. 5 B.T.
	A pine 14 ins. diam., bears N. 29° 30' W. 38 lks. dist., marked T 4 N. R. 4 W. S. 32 B.T.
	A pine 10 ins. diam., bears N. 62° 45' E. 30 lks. dist., marked T. 4 N. R. 4 W. S. 33 B.T.
	A pine 10 ins. diam., bears S. 17° E. 45 lks. dist., marked T. 3 N. R. 4 W. S. 4 B.T.
	Land mountainous.
	Soil sandy and rocky, 3" and 4" nuts.
	Timber pine.
	Mountainous and heavy timbered land 80.00 chs.

N. 89° 51' E. on a true line bet. secs. 4 and 33.

Descend through pine timber

6.75 Stream 10 lks. wide 1.5 ft. deep course S. 20° W.

Steep ascent through timber.

9.00 Top of steep ascent.

Ascend more gradually.

30.00 Ridge bns. N. and S.

Descend.

40.00 Set a sandstone 16 x 6 x 8 ins. 11 ins. in the ground for 1/4 sec. cor. marked 1/4 on N. face, from which

N. Bdy. Tp. 3 N. R. 4 W.

A pine 18 ins. diam., bears N. 64° 30' W., 9 lks. dist., marked ¼ S. 33 B.T.

A pine 18 ins. diam., bears S. 80° 15' W. 35 lks. dist., marked ¼ S. 4 B.T.

48.00 Forty descent.
Ravine 125 ft. deep bs. S.W.
Ascend.

55.00 Leave pine timber bs. N.W. and S.E.

63.00 As the sec. cor. will fall on a very steep slope in extremely loose slide rock, set a sandstone 24 x 12 x 6 ins., 18 ins. in the ground for W.C. for. cor. of secs. 3, 4, 33, and 34, marked with 3 notches on E. and W. edges, and W.C. on N. E. face, and raised a mound of stone 2 ft. base 1½ ft. high W. of Cor.
Pits impracticable.

64.00 Begin steep ascent over slide rock.

80.00 Impossible to set sec. cor. on account of loose slide on steep slope.
Land, mountainous.
Soil, sandy and rocky, 3rd and 4th rate.
Timber, pine.
Mountainous land 80.00 chs.
Heavy timber 55.00 chs.
Oct. 12, 1903.

Oct. 13, 1903.-
N. 89° 51' E. on a true line bet. ss. 3 and 34.
Continue over slide rock.

29.00 Leave slide rock, over boulders.

Chains.

40.00 Set a sandstone 2 ft X 1 ft X 10 ins. 21 ins. in mound of stone for ¼ sec. cor. marked ¼ on N. face; and raised a mound of stone 2 ft. base 1½ ft. high N. of cor.

Pits impracticable.

45.75 Ridge 120 ft. high brs. N. and S.

Ascend over rocks and boulders.

80.00 Point for cor. of secs. 2, 3, 34, and 35 fallen rock in place 7 X 5 X 3 ft. above ground, on which cut a cross (X) at the cor. point for cor. of secs. 2, 3, 34 and 35, marked with 4 grooves N. and 2 grooves E. of cross; and raised a mound of stone 2 ft. base 1½ ft. high N. of cor.

Pits impracticable.

Land, mountainous.

Soil, rocky; 4" rate.

No timber.

Mountainous land 50 inch.

N. 89° 57' E. on true line bet. secs. 2 and 35.

Ascend over rocks and boulders.

3.50 Gulch 70 ft. deep brs. S. N.

Ascend over rocks and boulders.

40.00 Set a sandstone 30 X 18 X 12 ins. 23 ins. in the ground for ¼ sec. cor. marked ¼ on N. face; and raised a mound of stone 2 ft. base 1½ ft. high N. of cor.

Pits impracticable.

N. Bdy. Tp. 32 N. R. 4 W.

Chains	
49.00	Ridge 60 rd. high bys. N. and S. Descend over rocks and boulders.
60.00	Set a sandstone 24 X 14 X 10 ins., 18 ins. in mound of rocks for cor. of secs. 1, 2, 35, and 36, marked with 5 notches on W., and 1 notch on E. edge; and raised a mound of stone 2 ft. base 1½ ft. high W. of cor. Pits impracticable. Ground so rocky, it was necessary to put cor. stone in mound of rocks. Land, mountainous. Soil, rocky; 4th rate. No timber. Mountainous land 40 rods. Oct. 13, 1903

Oct. 14, 1903;
N. 89°51' E. on true line bet. secs. 1 and 36.
Descend over rocks.
22.00 Foot of descent.
Enter heavy pines and fallen timber in basin, and over rocks.
40.00 The point for ¼ sec. cor. falls on rock in place 4 X 2 X 2 ft. above ground, on which Cut a cross (X) at the cor. point for ¼ sec. cor. marked ¼ on N. side of cross; and raise a mound of stone 2 ft. base 1½ ft. high N. of cor. Pits impracticable. Continue through heavy pines

N. Bdy. Tp. 3 N. R. 4 W.

Chains and fallen timber.
10.00 The cor. of Tps. 3 and 4 N.
Rs. 3 and 4 W.
Land, rolling and mountainous
Soil, rocky; 4" rate.
Timber, pine and fallen trees.
Mountainous land 22 inch.
Heavy timber 54 inch.
Oct. 14, 1903.

General Description.
For general description
see notes of Subdivision
T 3 N R 4 W.

James C Dick
U.S. Dep. Surveyor

There being no notary public
or other public officer authorized
to administer oaths within a
reasonable distance of the be-
ginning or end of this sur-
vey, in order to save time and
expense, I administer the pre-
liminary and final oaths myself.

James C Dick
U.S. Dep. Surveyor

North Boundary T3N R4W.

Table of Latitudes and Departures

Line Designated	True Bearing	Distance	Latitudes N.	Latitudes S	Departures E	Departures W
		chs.	chs.	chs.	chs.	chs.
N. Bdy of T3N R4W	S89°41'W	479.49		1.26		479.1
First Bridle Meridian West	South	480.00		480.00		
N. Bdy of T2N R4W	N89°46'E	479.75	1.95		479.74	
West Bdy T3N R3W	North	480.00	.00			
Convergency						.6
Total			481.95	481.26	479.74	480.1
			481.26			479.7
Error in lat. and dep.			.69			.3

BLANK

PAGE

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by James C. Dick, United States Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the survey of the N. Bdy's. of Tp's. 2 and 3 N. R 4 W., Uintah Special Base and Meridian Utah, showing the respective capacities in which they acted:

H H Bader, *Chainman.*
Robt. Orbison, *Chainman.*
Will Castleton, *Moundman.*
, *Moundman.*
John Davis, *Axman.*
Francis M. Benton, *Axman.*
Joseph Harrison, *Flagman.*

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted James C. Dick, United States Deputy Surveyor, in surveying all those parts or portions of the N. Bdy's. of Tp's. 2 and 3 N. R. 4 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.

H. H. Bader, *Chainman.*
Robt. Orbison, *Chainman.*
Will Castleton, *Moundman.*
, *Moundman.*
John Davis, *Axman.*
Francis M Benton, *Axman.*
Joseph Harrison, *Flagman.*

Subscribed and sworn to before me this 14th day of October, 1903

James C Dick
U S Dep. Surveyor

SEAL

6—151

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, James C Dick, United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from Edward H Anderson United States Surveyor General for the District of Utah, bearing date of the 22 day of July 1903, 189 , I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for the District of Utah, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of the North Boundary of Townships 2 & 3 North Range 4 West

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

James C Dick
United States Deputy Surveyor.

Subscribed by said James C Dick, and sworn to before me this 25th day of May 1904, 189

Edward H Anderson
U S Surveyor General for Utah

SEAL

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City Utah June 30 1904

The foregoing field notes of the survey of the North Boundary of Township 3 North Range 4 West of the United Special Base & Meridian, Utah

executed by James C Dick and Austin K Turnan under ~~his~~ their contract No. 272, dated July 22, 1903, 189 , having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Edward H Anderson
United States Surveyor General.

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

United States Surveyor General.

6--151

BLANK

PAGE

BLANK

PAGE

4—679.

H

BOOK A-310

FILED

MAY 25 1904

V.J.F.
K.F.B.

FIELD NOTES

OF THE SURVEY OF THE

Subdivision

of

T. 3 N. R. 4 W.

of the Uintah Special Base and Meridian,

Utah

AS SURVEYED BY

James C. Nick and Austin K. Tieman, United States Deputy Surveyors

Under ~~his~~ their Contract No. 272, dated July 22, 1903, ~~180~~

Survey commenced October 16, 1903, ~~189~~

Survey completed November 11, 1903, ~~189~~

4—[illegible]

High 59.75.78

High 4.20

60-00-98 L

FOOT A-310

NAMES AND DUTIES OF ASSISTANTS.

H. H. Bader	Chainman.
Robt. Orbison	"
Will Castleton	Moundman
John Davis	Axman
Francis M. Benton	"
Joseph Harrison	Flagman

For preliminary affidavits see book "D" Ft 2 N R 4 W

6—151

BOOK A-310

INDEX DIAGRAM.

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

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

Meanders Page.....

PRELIMINARY OATHS OF ASSISTANTS.

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

....., *Chainman.*

....., *Chainman.*

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

.....

SEAL

.....

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

....., *Moundman.*

....., *Moundman.*

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

.....

SEAL

.....

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

....., *Axman.*

....., *Axman.*

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

.....

SEAL

.....

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

....., *Flagman.*

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

.....

SEAL

.....

Subdivision T.3N. R.4W.

Chains

Survey commenced October 16, 1903, and executed with a Buff and Berger transit, No 2323; for complete description of which see notes of the Resurvey of the South Boundary of T 2 N R 4 W. in Book A".

Using the meridian determined by me September 4, 1903 at the cor of Tps. 2 and 3 North R's 3 and 4 West, for notes of which see Survey of the North Boundary of T 2 N R 4 W, I retrace North on the West Boundary of T 3 N R 3 W and east Bdy. of sec. 36, and at 40.01 chs. fall 0.5 lks. E. of ¼ sec. cor.; and at 79.99 chs. fall 1 lk W of cor. of secs. 25, 30, 31, and 36; therefore the line bears north.

From the Tp. cor. I run S. 89° 46' W on the S. Bdy. of sec. 36, and at 39.99 chs. fall 1 lk. S of ¼ sec. cor; and at 80.01 fall ½ lks S. of cor. of secs. 1, 2, 35 and 36 on the S. Bdy. of the Tp., consequently the S. Bdy. of the Tp. bears S. 89° 46' E.

Therefore the bearings of the W. Bdy of T 3 N R 3 W are as stated by the surveyor general and that of the S. Bdy of sec. 36 and of the Tp. as reported in Notes of Survey of North Boundary of T. 2 N. R. 4 W. The claiming practically

Chains agrees with the field notes of the respective surveys.

I commence at the cor. of secs. 1, 2, 35 and 36, on the S. Bdy of the Tp., heretofore described.

Thence from

N 0°1' W. bet secs. 35 and 36.

Ascend through heavy pine and spruce timber

12.12 Ridge brs. E. and W.

Descend

30.00 Head of ravine drains East.

40.00 Set a sandstone 8 X 12 X 10 ins, 12 ins in the ground for 1/4 sec. cor. marked 1/4 on W. face, from which

A pine 8 ins. diam. bears N. 22°45' W., 1.08 chs. dist, marked 1/4 S. 35 B.T.

A pine 10 ins diam, bears N. 44°30' E., 1.54 chs. dist, marked 1/4 S. 36 B.T.

Continue through heavy timber over high plateau.

70.20 Head of gulch drains S. E.

80.00 Set a sandstone 20 X 12 X 6 ins, 15 ins in the ground for cor. of secs. 25, 26, 35 and 36, marked with 1 notch on S and E edge; from which

A pine 16 ins. diam, bears S. 36° E. 3 lks. dist, marked T 32 N R 40 W S 36 B.T.

A pine 18 ins. diam, bears S. 8° W., 5 lks. dist, marked

Subdivisions T. 3 N. R. 4 W.

Chains

T 3 N R 4 W S 35 B.T.
A pine 16 ins. diam. bears N. 55° E., 73 lks. dist. marked T 3 N R 4 W, S. 25 B.T.
A pine 10 ins. diam. bears N 30° 45' W., 31 lks. dist. marked T 3 N R 4 W S 26 B.T.
Land, mountainous.
Soil, rocky; 4" rate.
Timber, pine, aspen, spruce.
Mountainous and heavy timbered land 80. rchs.

N. 89° 46' E. on a random line bet. secs. 25 and 36.

40.00 Set temp ¼ sec. cor.

79.93 Intersect E. bdy. of Tp. 25 lks. S. of cor. to secs. 25, 30, 31, and 36, which is a quartzite 8 X 6 X 5 ins. above ground, marked and witnessed as described by H. E. Freudenthal Contract #268.
Thence I run
S 89° 35' W on a true line bet. secs. 25 and 36
Steep descent through heavy pines and scattering aspen.

36.00 Foot of steep slope.
Enter cañon drs. S.E.

39.965 Set a quartzite stone 18 X 12 X 6 ins. 12 ins. in the ground for ¼ c. cor. marked ¼ on N. face which,
A pine 6 ins. diam. brs. N. 12° E. 23 lks. dist. marked ¼ S. 25 B.T.
A pine 7 ins. diam. brs. S. 33° 30' W. 8 lks. dist. marked ¼ S. 36 B.T.

Subdivision T. 3 N. R. 4 W.

Chains	
42.50	Leave cañon and ascend over boulders and through pines.
66.00	Top of ascent. Over high mountain plateau bro. N. and S.
79.93	The cor. to secs. 25, 26, 35, and 36. Land, mountainous. Soil, rocky, 4th rate. Timber pine and aspen. Mountainous and heavy timbered land 79.93 chs.

N. 0°1' W bet. secs. 25 and 26. Through dense pine timber and over high mountain plateau.

13.00	Enter open and leave timber bro. E. and W.
26.00	Leave open, enter pine timber bro. E. and W.
37.00	Descend abruptly. Leave plateau.
40.00	Set a sandstone 16 X 12 X 6 ins. 11 ins. in the ground for 1/4 sec. cor. marked 1/4 on W. face, from which -

A pine 14 ins. diam., bro. S. 15° W. 12 lks. dist., marked 1/4 S. 26 B.T.
A pine 16 ins. diam., bro. S. 16° E. 20 lks. dist., marked 1/4 S. 25 B.T.

63.79	Over broken ledges, and large boulders. Leave pines bro. N.W. and S.E.
75.50	Bottom of W. side of cañon 2000 ft. deep, bro. S.E.
76.00	Enter heavy pines bro. N.W. and S.E.
80.00	Set a sandstone 18 X 10 X 6 ins. 12 ins. in the ground for cor. to secs. 23, 24, 25 and 26, marked with 3

Subdivisions T. 3 N. R. 4 W.

Claim notches on S. and 1 notch on E. edge from which,

a pine 16 ins. diam., brs. N. 31°30' E. 61 lks. dist., marked T. 3 N. R. 4 W. S. 24 B.T.

a pine 9 ins. diam., brs. N. 47°15' W. 65 lks. dist., marked T. 3 N. R. 4 W. S. 23 B.T.

a pine 9 ins. diam., brs. S. 81°30' E. 155 lks. dist., marked T. 3 N. R. 4 W. S. 25 B.T.

a pine 10 ins. diam., brs. S. 42° W. 165 lks. dist., marked T. 3 N. R. 4 W. S. 26 B.T.

Land, mountainous.

Soil, rocky, 4th rate.

Timber, pine

Heavy timbered land 54.79 chs.

Mountainous land 20.00 chs.

Oct. 16, 1903.

Oct. 17.

N. 89°35' E. on a random line bet. secs. 24 and 25.

40.00 Set temp. 1/4 sec. cor.

79.85 Intersect W. bdy. of Tp. 17 lks. S. of cor. to secs. 19, 24, 25 and 30, which is a quartzite stone 12 x 4 x 16 ins. above ground, marked and witnessed as described by H. E. Freudenthal Contract No. 2680

Thence from

S. 89°28' W. on a true line bet. secs. 24 and 25.

Ascend through pine trees.

22.50 Ridge 1000 ft. high brs. N. W. and S. E.

Descend steep slope over boulders and through scattering timber.

39.925 Set a sandstone 20 x 12 x 10 ins., 15 ins. in the ground for 1/4 sec. cor. marked 1/4 on N. face, and raised a mound of stones 2 ft. base 1 1/2 ft. high N. of cor.

Subdivision T. 3 N. R. 4 W.

Chains. Pits impracticable.
No bearing trees within limits.
53.50 Foot of steep descent.
Enter basin
Open large boulders and through heavy pines brs. N. E. and S.
79.85 The cor. to secs. 23, 24, 25 and 26.
Land, mountainous.
Soil, rocky; 4th rate.
Timber, pines.
Mountainous and heavily timbered land 79.85 chs.

N. 0° 1' W. bet. secs. 23 and 24.
Through heavy pines, and over boulders.
17.90 Ridge 50 ft. high brs. N. E. and S. W.
21.00 Gulch 60 ft. deep brs. S. W.
40.00 Set a sandstone 20 X 12 X 10 ins., 15 ins. in the ground for 1/4 sec. cor. marked 1/4 on N. face; from which
a pine 10 ins. diam. brs. S. 21° W. 27 lks. dist. marked 1/4 S. 23 B. T.
a pine 10 ins. diam. brs. S. 14° E. 14 lks. dist. marked 1/4 S. 24 B. T.
43.00 Ridge 75 ft. high brs. N. W. and S. E.
50.60 Gulch 75 ft. deep brs. S. W.
55.75 Leave pine timber brs. E. and W.
South shore of lake
To determine distance across, set a flag on line on North shore, then from this point measure a base S. 89° 59' W. 5.00 chs. to a point from which the flag bears N. 31° 22' E., from the flag the W. end of the base brs. S. 58° 22' W.

Subdivisions T. 3 N. R. 4 W.

Chains	
	therefore, dist. in tan. 58°34' X base or 1.64041 X 500 = 820 which added to 65.75 chs. makes
73.95	North shore of lake, which extends 3 chs. W. and 7 chs. E. of line.
	Through tall grass in meadow.
80.00	Set a sandstone 24 X 12 X 8 ins. 18 ins. in the ground for cor. to secs. 13, 14, 23 and 24, marked with 3 notches on S. and 1 notch on E. edge, from which
	a pine 12 ins. diam. bears N. 86° E. 145 lks. dist., marked T 3 N. R. 4 W. S. 13 B.T.
	a pine 16 ins. diam. bears S. 89° E. 275 lks. dist. marked T 3 N. R. 4 W. S. 24 B.T.
	a pine 10 ins. diam. bears N. 52° W. 210 lks. dist., marked T. 3 N. R. 4 W. S. 14 B.T.
	a pine 10 ins. diam. bears S. 36° W. 829 lks. dist. marked T 3 N. R. 4 W. S. 23 B.T.
	Land mountainous. Soil sandy and rocky, 3" and 4" nats. Timber, pine. Mountainous land on Heavy timber on 80.00 ch.
	Oct. 17, 1903

Oct. 18.

N. 89° 28' E. on a random line secs. 13 and 24.

40.00	Set temp. ¼ sec. cor.
.04	Intersect E. bdy. of Tp. 40 lks. N. of cor. of secs. 13, 18, 19 and 24, which is a sandstone 8 X 4 X 8 ins. above ground

Subdivisions T. 3 N. R. 4 W.

Chains marked and witnessed as described by H. E. Freudenthal
Contract No. 268
Thence Irun
S. 89°45' W. on a true line bet. secs. 13 and 24.
Through tall grass marsh.
29.5 Spring branch 2 lks. wide 8 ins. deep, course S.W.
24.25 Creek 4 lks. wide 1 lk. deep drs. S.W.
Ascend
31.80 Ridge 100 ft. high brs. N. and S.
35.60 Gulch 75 ft. deep drs. S.
Ascend through heavy pines brs. N. and S.
38.25 Ridge 60 ft. high brs. N. and S.
40.02 Set a sandstone 20 X 10 X 6 ins. 15 ins. in the ground for 1/4 sec. cor. marked 1/4 on N. face, from which
A pine 8 ins. diam. bears S. 50° W., 6 lks. dist., marked 1/4 S. 24 B.T.
A pine 10 ins. diam. bears N. 37° E. 30 lks. dist., marked 1/4 S. 13 B.T.
40.91 Steep rocky descent.
50.00 Rocky gulch drs S.
Ascend.
79.00 Leave timber brs. N. and S.
Enter tall grass meadow.
80.04 The cor. of secs. 13, 14, 23 and 24.
Land mountainous and level.
Soil sandy and rocky, 1" and 4" rate.
Timber, pine. Tall bunch grass.
Mountainous, or heavy timbered land, or covered with dense undergrowth 80.04 ch.

Subdivision T. 3 N. R. 4 W.

Chain N. 0° 1' W. bet. secs. 13 and 14.
Through meadow.
2.00 Leave meadow brs. E. and W.
Enter heavy pine and fallen timber, and ascend gradually.
31.00 Leave pines and fallen timber brs. N. W. and S. E.
Ascend over loose boulders.
40.00 Set a sandstone 18 X 10 X 8 ins. 12 ins. in the ground for ¼ sec. cor. marked ¼ on W. face and a mound of stone 2 ft. base 1½ ft. high W. of cor.
Pits impracticable.
Continue ascent over boulders.
80.00 Set a sandstone 24 X 24 X 24 ins. 18 ins. in the ground for ¼ to secs. 11, 12, 13 and 14, marked with 4 notches on S. and 1 notch on E. edge, and raised a stone 2 ft. base ½ ft. high W. of cor.
Pits impracticable.
Land mountainous.
Soil, marly or rocky 4th rate.
Timber, pine.
Mountainous land 40.00 chs.
Heavy timber 29.00 chs.

N. 89° 45' E. on a random line bet. secs. 12 and 13
40.00 Set temp. ¼ sec. cor.
80.09 Intersect E. bdy. of T. 23 lks. N. of cor. to secs. 7, 12, 13 and 18 which is a quartzite stone 8 X 7 X 5 ins. above ground

Subdivisions T. 3 N. R. 4 W.

Chain	
	marked and witnessed as described by H. E. Freudenthal Contract 268.
	Thence Irwin
	S. 89°55' W. on a true line bet. secs. 12 and 13.
	Ascend.
5.50	Ridge Vrs. N.W. and S.E.
	Descend over rocks and boulders along S. slope of ridge. Slope steep.
40.045	Set a sandstone 20 X 16 X 12 ins., 15 ins. in the ground for ¼ sec. cor. marked ¼ on N. face; raised a mound of stones 2 ft. base 1½ ft. high N. of cor.
	Pits impracticable.
78.00	Foot of steep slope
80.09	The cor. to secs. 11, 12, 13, and 14.
	Land, mountainous.
	Soil, rocky. 4' rate
	No timber.
	Land mountainous 80.09 chs.
	Oct. 18, 1903.
	Oct. 19;
	N. 0°1' W. bet. secs. 11 and 12.
0.20	Ascend abruptly.
13.60	Top of steep ascent.
	Over high mountain plateau.
40.00	Set a sandstone 24 X 12 X 12 ins., 18 ins. in the ground for ¼ sec. cor. marked ¼ on W. face, and raised a mound of stone 2 ft. base 1½ ft. high W. of cor.
	Pits impracticable.
65.00	Leave flat and begin very steep ascent.
80.00	Set a sandstone 18 X 14 X 12 ins. 12 ins. in the ground for cor. to secs. 1, 2, 11, and 12, marked

Chains with 5 notches on the S. and 1 notch on E edges, and raised a mound of stones 2 ft. base 1½ ft. high W. of cor.
Pits impracticable.
Land mountainous.
Soil rocky; 4" rate
No timber
Mountainous land 80, rock.

N. 89°55' E on a random line bet. secs. 1 and 12
40.00 Set temp. ¼ sec. cor.
79.88 Intersect E. bdy. of Tp. 18 lks. N. of cor. to secs. 1, 6, 7, and 12, which is a quartzite stone 10 x 4 x 6 ins. above ground, marked and witnessed as descr. by H. E. Freudenthal Contract #268.
Thence Gunn
N. 89°57' W on a true line bet. secs. 1 and 12
Descend along S. slope of ridge brs. E. and W.
10.00 Ascend along same slope abruptly.
39.94 Set a quartzite stone 26 x 8 x 8 ins. 20 ins. in mound of stone for ¼ sec. cor. marked ¼ on N. face, and raised a mound of stones 2 ft. base 1½ ft. high N. of cor.
Pits impracticable
Ascend gradually.
79.00 Descend gradually along slope.
79.88 The cor. to secs. 1, 2, 11, and 12.

Subdivisions T. 3 N. R. 4 W.

Chains	Land, mountainous.
	Soil, rocky; 4" rate.
	No timber
	Mountainous land 79.88 chs.
	Oct. 19, 1903.
	Oct. 20:
	N. 0°1' W. on a random line bet. secs. 1 and 2.
40.00	Set temp. 1/4 sec. cor.
80.20	Intersect the N. bdy. of Tp. 10 lks. E. of the cor. to secs. 1, 2, 35, and 36, heretofore described.
	Thence I run
	S. 0°5' E. on a true line bet. secs. 1 and 2.
	Descend over rocks.
7.00	Enter pines and fallen timber brs. E. and W.
40.20	Point for 1/4 sec. cor. falls on rock in place 4x3x2 ft. above ground on which cut cross x as point for 1/4 sec. cor. and marked 1/4 on W face
	from which
	A pine 13 ins. diam. brs. S 10° E. 12 lks. dist. marked 1/4 S. 1 B.T.
	A pine 16 ins. diam. brs. S 8° W. 15 lks. dist. marked 1/4 S. 2 B.T.
44.00	Gulch 1200 ft. deep drs. E.
	Leave pines brs. E. and W.
	Steep ascent over boulders.
64.25	Top steep slope.
	Over flat top of ridge brs. E. and W.
77.00	Descend over boulders.
80.20	The cor. to secs. 1, 2, 11, and 12
	Land mountainous.
	Soil, rocky; 4" rate.
	Timber pine
	Mountainous land 80.20 chs.
	Heavy timber 37.00 chs.
	Oct. 20, 1903.
	Oct. 21: From cor. of secs. 2, 3, 34, and 35 on S. bdy. of Tp. heretofore described, I run [illegible] S.

Subdivisions T. 3 N. R. 4 W.

Chains	
	N. 0°2' W. betw. cs. 34 and 35
	Descend through heavy pines and aspens.
7.75	Bottom of gulch and dry creek bed therein, bes. S. E. Gulch 500 ft. deep.
	Ascend steep slope.
13.35	Creek 3 lks. wide 1 lk. deep course W.
26.00	Top of steep slope.
	Enter high mountain plateau brs. N. W. and S. E. and through fallen timber and pines.
40.00	Set a sandstone 16 X 10 X 8 ins. 11 ins. in the ground for ¼ sec. cor. marked ¼ on W. face, from which
	A pine 14 ins. diam. brs. N. 25°45' E., 8 lks. dist. marked ¼ S. 35 B.T.
	An aspen 5 ins. diam. brs. N. 66° W. 65 lks. dist. marked ¼ S. 34 B.T.
80.00	Set a sandstone 24 X 9 X 6 ins. 18 ins. in the ground for cor. to 26, 27, 34, and 35, marked with 2 notches on E. and 1 notch on S. edge; raised a mound of stone 2 ft. base 1½ ft. high W. of cor.
	Pits impracticable.
	Corner situated in timber and dense small growth pines not suitable for bearing trees.
	Land mountainous.
	Soil, sandy and rocky, 3" & 4" rate.
	Timber pines and aspens.
	Mountainous land or 8 pine and fallen timber 80 rocks.

Subdivisions T. 3 N. R. 4 W.

Chains	
	N. 89° 46' E. on a random line bet. secs. 26 and 35.
40.00	Set temp. ¼ sec. cor.
79.85	Intersect N. and S. line 35 ch. N. of cor. to secs. 25, 26, 35, and 36.
	Thence Run N. 89° 59' W. on true line bet. secs. 26 and 35
	Across high mountain plateau.
34.00	Enter heavy timber brs. N. and S.
39.25	Set a sandstone 12 x 12 x 6 ins. 5 ins. in the ground for ¼ sec. cor. marked ¼ on N. face; from which —
	A pine 16 ins. diam. brs. S. 5° E. 37 lks. dist. marked ¼ S. 35 B.T.
	A pine 10 ins. diam. brs. N. 85° 15' E. 40 lks. dist. marked ¼ S. 26 B.T.
42.50	Steep descent from plateau.
69.00	Foot of steep descent; across high mountain plateau.
79.85	The cor. to secs. 26, 27, 34, and 35.
	Land, mountainous. Soil, sandy and rocky, 4 inch. Timber, pine, aspens and fallen timber.
	Mountainous land 79.85 ch. Heavy timber 45.85 "

	N. 0° 2' W. bet. secs. 26 and 27 Over heavy fallen timber and thick pine growth.
40.00	Set a sandstone 16 x 8 x 10 ins. 11 ins. in the ground for ¼ sec. cor. marked ¼ on W. face; from which, —

Subdivisions T. 3 N. R. 4 W.

Chains A pine 10 ins. diam. brs. S. 36°12' E. 9 lks. dist., marked 1/4 S. 26 B.T.
A pine 6 ins. diam., brs. N 59°55' W 7 lks. dist., marked 1/4 S. 27 B.T.

46.50 Begin steep rocky ascent.

48.00 Leave heavy pines and fallen timber.

.00 Set a sandstone 18 x 10 x 8 ins. 12 ins. in the ground for cor. to secs. 22, 23, 26, and 27, marked with 2 notches on S. and 2 notches on E. edge; raised a mound of rocks 2 ft. base 1 1/2 ft. high W. of cor.
Pits impracticable.
Cor. situated on W. slope of high ridge brs. N. W. and S. E.
Land, mountainous.
Soil, rocky; 4" rate.
Timber, pines and fallen timber.
Mountainous land 80.00 chs.
Heavy timber, also fallen timber, 48.00 chs.

Oct. 21, 1903.

Oct. 22:
S. 89°59' E. on a random line bet. secs. 23 and 26.

40.00 Set temp. 1/4 sec. cor.

.15 Intersect N. and S. line 9 lks. N. of cor. to secs. 23, 24, 25, and 26.
Thence I run N. 89°55' W. on a true line bet. cs. 23 and 26.
Over boulders and through heavy pine timber in cañon.

19.75 Leave cañon bottom and ascend.

34.50 Begin steep ascent.

Subdivision T. 32 N. R. 40 W.

Chains

40.075 Set a sandstone 16 X 12 X 5 ins. 11 ins. in mound of stone for 1/4 sec. cor. marked 1/4 on W. face; from which
A pine 16 ins. diam. bears S. 85° 45' E. 45 lks. dist, marked 1/4 S. 26 B. T.
A pine 11 ins. diam. bears N. 54° 15' E. 70 lks. dist, marked 1/4 S. 23 B. T.

65.00 Ridge 1500 ft. high bears N.W. and S.E.
Descend over boulders. Leave timber.

80.15 The cor. to secs. 22, 23, 26, and 27.
Land mountainous.
Soil, rocky; "4" rate.
Timber, pine.
Mountainous land 80.15 chs.
Heavy timber 65.00 chs.

N. 0° 2' W. bet. secs. 22 and 23.
Steep, rocky ascent.

40.00 Point for 1/4 sec. cor. falls on flat boulder in place 3 X 3 X 2 ft. above ground, on which cut cross (X) at cor. point 1 ft. from W. side of cross for 1/4 sec. corner and raised a mound of stone 2 ft. base 1 1/2 ft. high W. of cor.
Pits impracticable.
Corner situated 100 ft. below top of ridge.

44.00 Ridge bears E. and W.
Steep, rocky descent

61.00 Enter scattering pine and alder timber bears N.W. and S.E.

70.00 Leave fallen timber and scattering pine.

80.00 Set a sandstone 30 X 14 X 8 ins. 22 ins. in the ground for cor. to secs. 14, 15, 22 and 23, marked

Subdivision T. 3 N. R. 4 W.

Corner with 2 notches on E. and 3 notches on S edge, and raised a mound of stone 2 ft. base 1½ ft. high W. of cor.
Pits impracticable.
Land mountainous.
Soil rocky, 4" rate.
Timber pine.
Mountainous land for ranch.

S. 89°55' E. on a random line bet. secs. 14 and 23.
40.00 Set temp ¼ sec. cor.
40.14 Intersect N. and S. line 16 lks. S. of cor. to secs. 13, 14, 23, and 24.
Thence from
S. 89°55' W. on a true line bet. secs. 14 and 23.
2.95 Begin gradual ascent through pines and fallen timber.
9.09 Ridge 100 ft. high bra. N. and S. Descend
19.40 Leave timber bra. N. and S. ascend through tall grass.
26.95 Enter pine timber bra. N. & S. and S.W. and ascend over rocks and boulders.
40.09 The point for ¼ sec. cor. falls on a rock in place 3 x 3 x 1 ft., above ground, on which cut a cross (X) at the cor. point for ¼ sec. cor., marked ¼ on N. side of cross, from which
A pine 10 in. diam. bra. S. 33°10' W. 25 lks. dist., marked ¼ S. 23 B.T.
A pine 10 in. diam. bra. N. 14° E. 26 lks. dist., marked ¼ S. 14 B.T.

Subdivisions T. 3 N. R. 4 W.

Chains	
40.60	Begin steep descent over boulders, through pines.
61.00	Leave pines bet. N. and S. Steep ascent over boulders.
80.14	The cor. to secs. 14, 15, 22, and 23. Land, mountainous. Soil, gravelly and rocky; 1" and 4" rate. Timber, pine. Mountainous land 80.14 ch. Heavy timber 51.20 ch. Oct. 22, 1913.

Oct. 23:
N. 0°12' W. bet. secs. 14 and 15. Steep rocky descent along E. slope of ridge bet. N. and S.

40.00 Set a sandstone 14 X 12 X 10 in. 12 in. in mound of stone for 1/4 sec. cor. marked 4 on W. face, and raised a mound of stone 2 ft. base 1½ ft. high W. of cor.
Pits impracticable.

80.00 Set a sandstone 30 X 24 X 16 in. 22 in. in mound of stone for cor. to secs. 11, 12, 13, and 14, marked with 2 notches on E. and 4 notches on S. edge; and raised a mound of stone 2 ft. base 1½ ft. high W. of cor.
Pits impracticable.
Land, mountainous.
Soil, rocky; 4" rate.
No timber.
Mountainous land 80.00 ch.

Subdivisions T. 3 N. R. 4 W.

Chains	
	N. 89° 58' E. on random line bet. secs. 11 and 14.
40.00	Set temp. ¼ sec. cor.
79.65	Intersect N. and S. line 18 lks. N. of cor. to secs. 11, 12, 13 and 14.
	Thence from N 89° 54' W. on true line bet. secs. 11 and 14.
	Descend gradually over rocks and boulders.
38.00	Begin gradual ascent over boulders.
39.925	Set a sandstone 20 X 16 X 16 ins., 15 ins. in mound of stone for ¼ sec. cor. marked ¼ on N. face; and raised a mound of stones 2 ft. base 1½ ft. high N. of cor.
	Pits impracticable
59.80	Begin steep rocky ascent.
79.65	The cor. to secs. 10, 11, 14, and 15.
	Land, mountainous.
	Soil, rocky, 4" rate.
	No timber.
	Mountainous land 79.65 chs.

	N. 0° 2' W. bet. secs. 10 and 11.
	Begin steep ascent over boulders.
23.00	Ridge 120 ft. high bis. N. E. and S. W.
	Steep rocky descent.
36.00	Foot of steep descent. Across swale.

Chains

40.00 Set a sandstone 18 X 14 X 12 ins. 12 ins. in the ground for ¼ sec. cor. marked ¼ on W. face; and raised a mound of stones 2 ft. base 1½ ft. high W. of cor.

Pits impracticable.

50.00 Begin steep rocky ascent.

80.00 Set a sandstone 16 X 10 X 8 ins. 11 ins. in the ground for cor. to secs. 2, 3, 10, and 11, marked with 2 notches on E and 5 notches on S edges, and raised a mound of stones 2 ft. base 1½ ft. high W. of cor.

Pits impracticable.

Land, mountainous.

Soil, rocky, 4" rate.

No timber.

Mountainous land 80.00 chs.

October 23, 1903.

October 24.

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

40.00 Set temp. ¼ sec. cor.

79.76 Intersect N. and S. line 25 lks. S. of cor. to secs. 1, 2, 11, and 12.

Thence Grum

S. 89° 55' W. on a true line bet. secs. 2 and 11.

Steep rocky descent.

15.00 Bottom of steep descent.

Begin ascent gradually.

39.88 Set a sandstone 16 X 12 X 11 ins. 2 ins. in mound of stones for ¼ sec. cor. marked ¼ on N. face; and raised a

Subdivisions T. 3 N. R. 4 W.

Chains	mound of stones 2 ft. base 1½ ft. high N. of cor.
	Continue gradual rocky ascent.
79.76	The cor. to secs. 2, 3, 10, and 11.
	Land, mountainous.
	Soil rocky; 4" rate.
	No timber.
	Mountainous land 79.76 ch.

	N. 0°2' W. on a random line bet. secs. 2 and 3.
40.00	Set temp ¼ sec. cor.
40.19	Intersect Nbdy. of Tp. 15 lks. W. of cor to secs. 2, 3, 34 and 35, heretofore described.
	Thence from
	S. 0° 4' W. on a true line bet. secs. 2 and 3.
	Descend along steep rocky slope.
17.25	Foot of steep slope.
	Enter deep valley bys N and S.
40.19	Set a sandstone 14 X 12 X 10 ins. 12 ins. in the ground for ¼ sec cor. marked ¼ on W. face; and raised a mound of stone 2 ft. base 1½ ft. high W. of cor.
	Pits impracticable.
	Over rocky ground in valley.
42.00	Begin steep rocky ascent.
63.50	High ridge bys E. and W.
	Steep descent over rocks and broken ledges.
72.50	Foot of steep slope.
80.19	The cor. to secs. 2, 3, 10, and 11.

Subdivision T. 32 N. R. 40 W.

Gains. Land mountainous.
Soil, rocky; 4' rate
No timber.
Mountainous land 1.19 ch.
Oct. 24, 1903.

Oct. 25.
From the cor. to secs. 34, 33, and 34 on the S. bdy. of the Tp. heretofore described, run
N. 0° 2' W. bet. secs. 33 and 34.
Ascend over slide rocks
5.75 Enter dense timber bro. N.W. and S.E.
11.10 Spur bro. N. 15° W. and S. 15° E.
Descend to
20.26 South shore of lake.
Set a sandstone, 14 x 10 x 6 in. 12 in. in the ground for witness for cor. marked W.P. on W. face, from which
A pine 6 in. diam. bro. N. 6° 30' W. 27 lks. dist., marked W.P.B.T.

An aspen 6 in. diam. bro. S. 66° E. 16 lks. dist., marked W.P.B.T.

Point in triangulation.
To determine the dist. across set a flag on line, on the N. shore, and, as there is no place for a cone on S. shore because of dense timber and the slope of the surrounding ridge, I measure a base approximately east 6 ch. to a point where I set a flag, which bro. N. 17° 7' E. from my station on S. shore; from

Subdivisions T3N R4W.

Chains	
	point on N. shore the at E. end of base brs. N 89°18' E and flag on S. shore brs. S. 0°2' E. from flag at east end of base flag on S. shore brs. S. 17°07' W. and flag on N. shore brs. S. 89°18' W. therefore the dist. is sine 72°11' X base, ÷ sin. 17°09' or
	log. sin. 72°11' = 9.97866
	log. 6 0.77815
	colog sin 17°09' 0.53036
	log. 19.37 1.28717
	which added to 20.26 makes
39.63	North shore of lake
	Set a sandstone 12 X 10 X 10 ins 8 ins. in the ground for W.P. marked W.P. on W. face, from which
	An aspen 10 ins. diam brs. N. 40' W. 12 lks. dist. marked W.P.B.T.
	A pine 8 ins. diam. brs. S. 33°30' E. 18 lks. dist., marked W.P.B.T.
	Ascend through pines and aspens.
40.00	Set a sandstone 14 X 8 X 4 ins. 9 ins. in the ground for ¼ sec. cor. marked ¼ on W. face, from which
	An aspen 8 ins. diam. brs. S. 84° E. 24 lks. dist., marked ¼ S 34 B.T.
	A pine 7 ins. diam. brs. S. 42°30' W. 9 lks. dist., marked ¼ S. 33 B.T.
80.00	Set a sandstone 24 X 12 X 12 ins. 18 ins. in the ground for cor secs. 27, 28, 33 and 34 m 1 notch on S. and 3 notches

Subdivisions T.3N.R.4W.

Claims on E. edge, from which
A pine 10 ins. diam. brs. N.82° E. 13
lks. dist. marked T3NR4WS27BT.
A pine 12 ins. diam. brs. S.79°30' E.
21 lks. dist. marked T3NR4WS34BT.
A pine 14 ins. diam. brs. S.42°30' W.
53 lks. dist. marked T3NR4WS33BT.
A pine 8 ins. diam. brs. N.62°30' W.
39 lks. dist. marked T3NR4WS28BT.
Land mountainous
Soil rocky, 4" rate.
Timber, pine and aspen.
Mountainous or heavy
timbered land 80.00 chs.

N.89°46' E. on a random line
bet. secs. 27 and 34.
40.00 Set temp. ¼ sec. cor.
80.14 Intersect N. and S. line 34
lks. S. of cor. of secs 26, 27, 34 and 35
Thence from
S.89°31' W. on a true line
bet. secs. 27 and 34
Through dense second growth
pines and fallen timber; over
high mountain plateau.
[illegible] Leave plateau.
Begin steep descent through
heavy pines and aspen.
27.00 Creek 2 lks. wide, 3 inches
deep in gulch course S.
Ascent steep.
35.25 End of steep ascent.
Ascend gradually
[illegible] Set a sandstone 18 x 8 x 8 ins.
12 ins. in the ground for ¼ sec.
cor. marked ¼ on N. face;

Subdivision T. 3 N. R. 4 W.

Chains	
	from which,
	A pine 6 in. diam, brs. N. 15° W.
	38 lks. dist, marked ¼ S. 27 B.T.
	A pine 16 in. diam, brs. S. 41° E.
	29 lks. dist, marked ¼ S. 34 B.T.
	Through second growth pine
	and aspen.
56.00	Enter high mountain plateau
	S.E. Enter fallen timber and heavy pine.
80.14	Edge of plat bears N. 0° S.E.
	The cor. to secs. 27, 28, 33 and 34.
	Land mountainous.
	Soil, rocky and sandy, 4" rate.
	Timber, pine and aspen.
	Mountainous and densely
	timbered land 80.14 ch.
	Oct. 25, 1903.

Oct. 26:

N. 0° 2' W. bet. secs. 27 and 28.
Along plat through heavy pine
and fallen timber.

1.50	Begin ascent.
40.00	Set a sandstone 16 x 7 x 6 in.
	11 in. in the ground for ¼ sec.
	cor. marked ¼ on W. face;
	from which
	A pine 10 in. diam. brs. N. 20° E.
	25 lks. dist, marked ¼ S. 27 B.T.
	An aspen 4 in. diam brs. S. 40° W.
	35 lks. dist, marked ¼ S. 28 B.T.
76.00	Begin gradual descent.
80.00	Set a sandstone 24 x 6 x 6 in.
	18 in. in the ground for cor.
	to secs. 21, 22, 27 and 28, marked
	with 2 notches on S. and 3 notches
	on E edges, from which
	A pine 14 in. diam, brs. N. 44° 45' W.
	17 lks. dist, marked T. 3 N. R. 4 W. S. 21. B.T.

Subdivision T. 3 N. R. 4 W.

6	A pine 8 in. diam. brs. N. 57° 30' E. 69 lks. dist. marked T. 3 N. R. 4 W. S. 22 B.T.
	A pine 10 in. diam. brs. S. 40° 45' E. 28 lks. dist. marked T. 3 N. R. 4 W. S. 27 B.T.
	A pine 8 in. diam. brs. S. 51° 30' W. 41 lks. dist. marked T. 3 N. R. 4 W. S. 27 B.T.
	Land, mountainous.
	Soil, rocky; 4th rate
	Timber, pine and aspen.
	Mountainous and heavy timbered land 80.00 chs.

	N. 89° 31' E. on a random line bet. secs. 22 and 27
40.00	Set temp. 1/4 sec. cor.
79.75	Intersect N. and S. line 9 lks. S. of cor. to secs. 22, 23, 26, and 27.
	Thence run S. 89° 27' W. on a true line bet. secs. 22 and 27.
	Steep descent over rocks.
5.00	Foot of steep descent.
	Descend more gradually.
	Through scattering pines and aspens, brs. N. W. and S. E.
16.00	Small stream 1 link wide 2 inches deep course S. W.
20.00	Foot of descent have timber.
	Across head of canon brs. S. W.
26.00	Creek 1 link wide, 3 inches deep course S. W.
31.00	Ascend through small scattering aspens.
39.75	Set a sandstone 14 x 16 x 8 in. 12 in. in the ground for 1/4 sec. cor. marked 1/4 on N. face; raised a mound of stone 2 ft. base 1 1/2 ft. high N. of cor.
	Pits impracticable.

Subdivisions T. 3 N. R. 4 W.

Chains	
	No bearing trees available.
42.40	Top of steep ascent
	Ascend more gradually
67.40	Ridge 500 ft. high bra. N. E. and S. W.
	Descend through scattering pines, over boulders and fallen timber.
79.75	The cor. to secs. 21, 22, 27 and 28.
	Land mountainous.
	Soil, rocky; 4" rate.
	Timber, pine and aspen.
	Mountainous land 79.75 ch.

N. 0° 2' W. bet. secs. 21 and 22.
Descend through live and dead pines, over fallen timber.
25.00 Enter basin, rocky and heavily timbered.
40.00 Set a sandstone 14 X 4 X 4 ins. 9 ins. in the ground for 1/4 sec. cor. marked 1/4 on W. face; which
A pine 16 ins. diam. bears N. 74° 30' W. 41 lks. dist., marked 1/4 S. 21 B.T.
A pine 14 ins. diam. bears N. 69° 45' E. 34 lks. dist., marked 1/4 S. 22 B.T.
Descend over benches in basin.
80.00 Set a sandstone 30 X 4 X 5 ins. 23 ins. in the ground for cor. to secs. 15, 16, 21, and 22, marked with 3 notches on E. and S. edges, and 3 N. on N. E. face, and 4 W. on S. E. face; from which
A pine 10 ins. diam., bears N. 65° W. 40 lks. dist., marked T. 3 N. R. 4 W. S. 16 B.T.
A pine 11 ins. diam. bears N. 24° 25' E. 12 lks. dist., marked T. 3 N. R. 4 W. S. 15 B.T.

Subdivisions T. 3 N. R. 4 W.

Chains A pine 14 in. diam., brs. S. 32°45' W. 49 lks. dist., marked T. 3 N. R. 4 W. S. 21 B. T.
A pine 10 in. diam., brs. S. 56°15' E. 59 lks. dist., marked T. 3 N. R. 4 W. S. 22 B. T.
Land, mountainous.
Soil, rocky; 4" rate
Timber pine and aspen.
Mountainous and heavy timbered land 80.00 chs.

Oct. 26.

Oct. 27.
At the cor. of secs. 15, 16, 21, and 22, latitude 40°39'22" N., longitude 110°21' W. at 5h 03m a.m. l. m. t. I observe Polaris at western elongation and mark the line thus determined by a tack driven in a wooden peg five chains north of my station

---

At 7h 30m a.m. l. m. t., I lay off the azimuth of Polaris 1°.86' to the East and mark the true meridian thus determined by a cross on a stone firmly set in the ground west of the point established

Subdivision T. 3 N. R. 4 W.

ains by me this a. m.
The magnetic bearing of said true meridian is N 16° 36' W., which gives a magnetic declination of 16° 36' E.

N. 89° 27' E. on a random line bet. secs. 15 and 22
40.00 Set temp ¼ sec. cor.
79.98 Intersect N. and S. line 16 lks. N. of cor. to secs. 14, 15, 22, and 23.
Thence I run
S. 89° 34' W. on a true line bet. cs. 15 and 22.
Ascend over rocks and boulders.
17.00 High ridge 1200 ft. high brs. N. and S.
Abrupt descent over boulders.
31.60 Descend less abruptly through pine timber brs. N. and S.
39.97 Set a sandstone 12 x 10 x 6 ins. 8 ins. in the ground for ¼ sec. cor. marked ¼ on N. face; from which
A pine 20 ins. diam. brs. N. 4° 30' E. 52 lks. dist. marked ¼ S. 15 B.T.
A pine 10 ins. diam. brs. S. 1° 30' E. 45 lks. dist. marked ¼ S. 22 B.T.
Continue descent through pines, over boulders.
79.9 The cor. to secs. 15, 16, 21, and 22.

Subdivisions T. 3 N. R. 4 W.

Chains	
	Land, mountainous.
	Soil, rocky, 4th rate.
	Timber, pine.
	Mountainous land 79.94 ch.
	Heavy timber 46.38 ch.
	N. 0° 2' W. bet. secs. 15 and 16.
	Over boulders, through pine timber.
2.00	Ascend.
30.00	Ridge 200 ft. high brs. E. & W.
	Descend.
40.00	Set a silicious sandstone 16 x 14 x 6 ins. 11 ins. in the ground for 1/4 sec. cor. marked 1/4 on W. face; from which
	A pine 8 ins. diam. brs. N. 60° W. 15 lks. dist. marked 1/4 S. 16 B.T.
	A pine 12 ins. diam. brs. N. 75° E. 20 lks. dist. marked 1/4 S. 15 B.T.
44.00	Bluff 150 ft. thick brs. S. E.
	Steep ascent.
60.50	Leave timber, brs. N. W. and S. E.
	Over large boulders and slide rock.
80.00	Set a sandstone 16 x 8 x 5 ins. 11 ins. in mound of stone for cor. to secs. 9, 10, 15 and 16, marked with 3 notches on E. and 4 notches on S. edge; and raised a mound of stone 2 ft. base 1 1/2 ft. high W. of cor. Pit unprovided
	Land mountainous.
	Soil, rocky, 4th rate.
	Timber, pine.
	Mountainous land, 80.00 ch.
	Heavy timber 60.50 ch.

ains N. 89°34' E. on a random line bet. secs. 10 and 15.

40.00 Set temp. ¼ sec. cor.

80.13 Intersect N. and S. line 19 lks. N. of cor to secs. 10, 11, 14 + 15

Thence from

S. 89° 42' W. on a true line bet. secs. 10 and 15

Ascend steep rocky slope.

30.25 Ridge 1200 ft. high brs. N. W. and S. E. Descend over rocks.

40.065 Set a sandstone 18 X 12 X 10 ins. 12 ins. in the ground for ¼ sec. cor. marked ¼ on N. face; and raised a mound of stones 2 ft. base 1½ ft. high N. of cor.

Pits impracticable.

45.00 Gulch 200 ft. deep drs. S. E.

Ascend over boulders.

54.50 Ridge 250 ft. high brs. N. W. and S. E.

Descend

80.13 The cor. to secs. 9, 10, 15, and 16.

Land, mountainous.

Soil, rocky; 4" rate.

No timber.

Mountainous land 80.13 ch.

Oct. 27, 1903.

Oct. 28;

N. 0°2' W. bet. secs. 9 and 10.

Ascend over boulders and slide rock.

16.20 Ridge brs. N. E. and S. W.

Descend.

40.00 Set a sandstone 18 X 8 X 8 ins. 12 ins. in the ground for ¼ sec. cor. marked ¼ on W. face; raised a mound of stones

Subdivisions T. 3 N. R. 4 W.

Chains	
	2 ft. base 1½ ft. high W. of cor.
	Pits impracticable.
48.00	Bottom of descent.
	Enter gulch 1400 ft. deep drs. W.
50.50	Enter pines brs. E. and W.
65.00	Leave gulch, and pines brs. E and W.
	Steep rocky ascent.
80.00	Point for cor. to secs. 3, 4, 9, and 10. As it falls in very loose slide rock I do not set it.
	Land, mountainous.
	Soil, rocky; 4" rate
	Timber, pines.
	Mountainous or heavy timbered land 80 ch.
	From point for cor. to secs. 3, 4, 9 and 10,
	N. 89°42' E. on a random line bet. secs. 3 and 10.
40.00	Set temp. ¼ sec. cor.
79.85	Intersect N. and S. line 27 lks. S. of cor. to secs. 2, 3, 10, and 11.
	Thence I run
	S. 89°30' W. on true line bet. secs. 3 and 10.
	Along S. slope of high ridge brs. E. and W.
	Over rocks and boulders.
39.925	Set a silicious sandstone 18 x 16 x 16 ins., 12 ins. in mound of stone for ¼ sec. cor., marked ¼ on N. face; and raised a mound of stone 2 ft. base 1½ ft. high N. of cor.
	Pits impracticable.
50.00	Over very loose slide rock on very steep slope to
79.85	The point for cor. to secs. 3, 4, 9, and 10.

Subdivisions T3N R4W.

ains On account of steep slope and loose slide rock thereon, it was impossible to set a witness cor. to secs. 3, 4, 9 and 10, that would be stable or remain in place.

Land, mountainous.

Soil, rocky; 4" rate.

No timber.

Mountainous land 7985 chs.

Oct. 28, 1903.

Oct. 29;

From the point for cor. of secs. 3, 4, 9 and 10, I run

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

40.00 Set temp. 1/4 sec. cor.

80.05 Intersect the point for cor. of secs. 34, 33, and 34, on the N. bdy. of the Tp.

~~As no corner could be set here or 20 chs. S. of this point I continue my line~~

~~N. 0°2' W. to~~

~~90.00 Set a sandstone 16 X 12 X 8 ins. 11 ins. in mound of stone for witness cor. of secs. 3, 4, 33 and 34, marked with 3 notches on E. and W. edges and W.C. on N.E. face, and raised a mound of stone 2 ft. base 1 1/2 ft. high W. of Cor.~~

~~Pits impracticable.~~

~~From the point for cor. of 4, 33 and 34~~ Thence I run

S. 0°2' E. on a true line bet secs. 3 and 4.

Steep rocky ascent over

OV.

Subdivisions T 3 N R 4 W.

Chains	
	boulders and broken ledges.
11.00	Top of ledges.
	Continue steep ascent
35.00	Top of ascent
	Descend steep rocky slope to
39.00	Drywash, with creek under
	Slide rock chs S.W
	Ascend
40.05	Set a sandstone 14 x 12 x 6 in
	9" in ~~mound of~~ stone for
	1/4 section corner marked
	1/4 on W face and raised
	a mound of stone 2 ft base
	1 1/2 ft high W of corner Lib. imp
66.00	Top of ridge bears N E & S. W.
	Set a sandstone 16 x 12 x 8 in
	11" in mound of stone for
	witness corner to secs 3. 4. 9
	& 10 marked with 3 notches
	on E and 5 notches on S
	edges and W.C. on NE face
	and raised a mound of
	stone 2 ft base 1 1/2 ft high
	W of cor
	Pits impracticable
	Steep descent over slide
	rocks
80.05	The point for corner to
	secs. 9. 10. 15 x 16
	Land Mountainous
	Soil rocky 4th rate
	No timber
	Mountainous land 80.05 chs

October 29th 1903

Subdivisions T 3 N. R. 4 W.

ains Oct. 30. From the cor. to secs. 45, 37, and 33, on the S. bdy. of Tp., heretofore described, I run
N. 0° 3' W. bet secs. 32 and 33.
Through willows and aspens in creek bottom of East Fork of Lake Fork Cr.
4.20 Leave creek bottom, willows and aspens, brs. N.W. and S.E.
Ascend.
20.00 Dry wash brs. S.W.
31.20 Enter burned & second growth brs. N.W. and S.E.
40.00 Set a sandstone 24 X 12 X 12 ins. 18 ins. in the ground for 1/4 sec. cor. marked 1/4 on W. face; and raised a mound of stones 2 ft. base 1 1/2 ft. high W. of cor.
Pits impracticable.
Trees too small for bearing objects.
42.50 Ridge 1200 ft. high brs. N.W. and S.E.
Steep descent through heavy pines. Leave burned timber.
80.00 Set sandstone 16 X 12 X 8 ins. 1 ins. in the ground for cor. to secs. 28, 29, 32, and 33, marked with 1 notch on S and 4 notches on E edge, from which,
A pine 12 ins. diam. brs. N. 39° W 8 lks. dist., marked T3N R4W S. 29 B.T.
A pine 14 ins. diam. brs. S 65° 30' W. 25 lks. dist., marked T. 3 N. R. 4 W. S. 32 B.T.
A pine 8 ins. diam. brs. S 47° E. 28 lks. marked T. 3 N. R. 4 W. S. 33 B.T.
A pine 6 ins. diam. brs. N 19° 30' E. 37 lks. dist., marked T. 3 N. R. 4 W. S. 28 B.T.
Land, mountainous and level.
Soil sandy and rocky, 1" and 4" rate.
Timber, pine, aspen, willow.

Subdivisions T. 3 N. R. 4 W.

Chains.	
	Mountainous land 75.80 chs. Dense willows and heavy timber 53.00 chs.
	N. 89°46' E. on a random line bet. secs. 28 and 33.
40.00	Set temp ¼ sec. cor.
80.28	Intersect N. and S. line 22 lks. N. of cor. to secs. 27, 28, 33 and 34.
	Thence, I run S. 89°55' W on a true line bet. secs. 28 and 33.
	Descend through heavy pines and over fallen timber.
23.00	Bulch 200 ft. deep brs. S. W.
33.70	Ridge 200 ft. high brs. N.E. and S.W.
	Abrupt descent.
40.14	Set a sandstone 30 x 8 x 6 ins. 23 ins. in the ground for ¼ sec. cor. marked ¼ on N. face; from which,
	A pine 12 ins. diam. brs. S. 16° W. 37 lks. dist. marked ¼ S. 33 B.T.
	A pine 16 ins. diam. brs. N. 8° W. 32 lks. dist. marked ¼ S. 27 B.T.
50.00	Descent less steep.
73.25	Creek 16 lks. wide 3 ft. deep in cañon 1000 ft. deep, course S.E.
	Steep ascent.
80.28	The cor. to secs. 28, 29, 32, and 33.
	Land, mountainous.
	Soil, rocky; 4" rate.
	Timber, pine and aspen.
	Mountainous and heavy timbered land 80.28 chs.

Oct. 30, 1903.

Subdivision T 3 N. R. 4 W.

N. 0° 3' W. bet. secs. 26 and 29.
Descend through heavy pine
and aspens.

40.00 Point for 1/4 sec. cor. falls on
in place 4 X 3 X 3 ft. above
ground, on which
cut a cross (X) at the cor. point
for 1/4 sec. cor. marked 1/4 on
N. side of cross, from which
a pine, 12 in. diam. brs. N 55° E.
2 lks. dist. marked 1/4 S. 26 B.T.
a pine, 24 in. diam. brs. S. 62° 30' W.
lks. dist. marked 1/4 S 29 B.T.

46.00 W. bank of creek 20 lks. wide
2.5 ft. deep, course S. E.
Along E. bank of creek.

50.00 Leave creek bank.
Steep ascent.

53.75 Top of ascent. Descend.

57.00 East bank creek 1/2 ft. deep
course S. S. E.

57.40 East bank of creek.
Ascend.

60.00 Steep ascent over rocks,
through dense pines and aspen.

80.00 Set a sandstone 16 X 12 X 4
in., 11 in. in the ground for
cor. to secs. 21, 22, 27 and 28,
with 2 notches on S.
and 4 notches on E. edges;
which
a pine 12 in. diam. brs. N. 46° 15' E.
13 lks. dist. marked T 3 N R 4 W S. 21 B.T.
a pine 12 in. diam. brs. N. 62° 30' W.
2 lks. dist. marked T. 3 N. R. 4 W. S. 20 B.T.
a pine 10 in. diam. brs. S. 20° 30' W.
17 lks. dist. marked T 3 N R 4 W S. 29 B.T.
a pine 12 in. diam. brs. S. 60° E.
3 lks. dist. marked T 3 N R 4 W S. 28 B.T.

Subdivision T. 3 N. R. 4 W.

Chains	Land mountainous.
	Soil rocky; 4" rate.
	Timber, pine and aspen.
	Mountainous and heavy timbered land 80.00 chs.
	N. 89°55' E. on a random line bet. secs. 21 and 28.
40.00	Set temp ¼ sec. cor.
80.25	Intersect N. and S. line 13 lks. N. of cor. to secs. 21, 22, 27, and 28.
	Thence Grun
	N 89°59' W on a true line bet. secs. 21 and 28.
	Descend through heavy pines, over large boulders.
29.15	Foot of descent. Leave timber bs. N.W. S.E.
	Ravine 125 ft. deep drs. S.W.
	Steep rocky ascent.
35.00	Top of ascent.
	descend steep slope
40.00	Ravine 150 ft. deep drs. S.W.
40.125	Set a sandstone 30 X 24 X 4 ins. 23 ins. in the ground for ¼ sec. cor. marked ¼ on N. face; and raised a mound of stone 2 ft. base 1½ ft. high N. of cor.
	Pits impracticable.
	Ascend over rocks and boulders.
55.00	Ridge 350 ft. high brs. S.W. and N.E.
	Descend
60.00	Enter heavy pines and aspens brs. N.E. and S.W.
80.25	The cor. to secs. 20, 21, 28, and 29.

Subdivisions T. 3 N. R. 4 W.

Chains.

and, mountainous.
Soil, rocky; 4" rate.
Timber, pine and aspen.
Mountainous land 50.25 chs.
Heavy timber 49.40 chs.

N. 0° 3' W. bet. secs. 20 and 21
ascend through heavy pines
and aspens.

14.20 Over slide rock and boulders.
Leave timber brs. N. W. and S. E.

40.00 Point for 1/4 sec. cor. falls
on rock in place 5 x 4 x 2 ft. above
on which
I cut a cross (X) at the corner
for 1/4 sec. cor. marked
1/4 on W. side of cross; and
a mound of stone
2 ft. base 1½ ft. high W. of cor.
Pits impracticable.

80.00 Set a sandstone 24 x 14 x 6 ins.
thick, in the ground for cor. to
secs. 16, 17, 20 and 21, marked
with 4 notches on E. and 3
chs. on S. edge; and raised
a mound of stone 2 ft. base
1½ ft. high W. of cor.
Pits impracticable.
Land, mountainous.
Soil, rocky; 4" rate.
Timber, pine and aspen.
Mountainous land 80.00 chs.
Heavy timber 14.20 chs.

Oct. 31, 1903.

Nov. 1.
S. 89° 59' E. on random
line bet. secs. 16 and 21.

Subdivisions T.3 N. R. 4 W.

Chains	
40.00	Set temp. ¼ sec. cor.
50.34	Intersect north and south line 25 lks. south of corner to sections 15, 16, 21 and 22.
	Thence run S. 89° 60' W. on a true line bet. secs. 16 and 21.
	Over boulders and fallen timber, and through heavy pines.
18.00	Ascend rocky slope.
40.17	Set a sandstone 14 x 8 x 8 ins. 9 ins. in the ground for ¼ sec. cor., marked ¼ on N. face; from which
	A pine 16 ins. diam., bears N. 38° E. 10 lks. dist., marked ¼ S. 16 B.T.
	A pine 10 ins. diam., bears S. 35° E. 62 lks. dist., marked ¼ S. 21 B.T.
43.00	Leave timber bears N. E. and S. W.
55.50	Top of ridge 1500 ft. high bears N. E. and S. W.
	Descend over rocks and boulders.
50.34	The cor. to secs. 16, 17, 20 and 21.
	Land, mountainous. Soil, rocky; 4" rate. Timber, pine. Mountainous land 50.34 ch. Heavy timber 43.00 ch.

N. 0° 30' W. bet. secs. 16 and 17. Ascend over rocks and boulders.

40.00 The point for ¼ sec. cor. falls on rock in place 3 x 3 x 3 ft. above ground, on which

Subdivision T 3 N. R. 4 W.

Cut a cross (X) at cor. point, for 4 sec. cor. marked 4 on W. side of cross; and raised a mound of stone 2 ft. base 1½ ft. high W. of cor.
Pits impracticable.
60.00 Lake containing 2 acres
4 chs. W. of line.
80.00 Set a sandstone 16 x 8 x 6 in. 11 in. in mound of stone for cor. to secs. 8, 9, 16, and 17, marked with 4 notches on S. and E. edges, and raised a mound of stone 2 ft. base 1½ ft. high W. of cor.
Pits impracticable.
Land, mountainous.
Soil, rocky; 4" rate.
No timber
Mountainous land 80.00 chs.
Nov. 1, 1903.

Nov. 2;
N. 89°50' E. on a random line bet. secs. 16 and 9.
40.00 Set temp. 4 sec. cor.
.0 Intersect N. and S. line 4 chs. S. of cor. to secs. 9, 10, 15, and 16.
Thence from
S. 89°42' W. on a true line bet. secs. 9 and 16.
Descend over rocks and boulders.
10.00 Ravine 175 ft. deep trs. S.
Ascend
2.00 High ridge trs. N. E. and S.
Descend
40.04 Set a sandstone 32 x 24 x 7 in. 24 in. in mound of stone for 4 sec. cor. marked 4 on N. face,

Subdivision T. 3 N. R. 4 W.

Chain	and raising a mound of stone 2 ft. base 1½ ft. high N. of cor.
	Pits impracticable.
	Continue descent.
60.00	Over broken ledges.
62.00	Foot of broken ledges brs. N. and W.
	descend.
80.00	The cor. to secs. 4, 9, 16, and 17.
	Land mountainous.
	Soil, rocky; 4" rain.
	No timber.
	Mountainous land 80.00 chs.

	N. 0° 30' W. bet. secs. 4 and 9.
	Ascend over rocks and
	boulders along W. slope of
	high ridge brs. N. E. and S. W.
42.00	Descend along W. slope of
	high ridge brs. N. E. and S. W.
8.00	Leave rocks and boulders.
	Enter pines brs. N. E. and S. W.
36.10	South bank of stream 1 ft. deep
	course S. W.
36.25	North bank of stream.
	Ascend.
40.00	Set a sandstone 14 x 12 x 6 ins.
	9 ins. in the ground for ¼ sec.
	cor., marked ¼ on W. face;
	from which,
	A pine 6 ins. diam. brs. N. 76° 30' E.
	18 lks. dist., marked ¼ S. 9 B.T.
	A pine 14 ins. diam. brs. S. 31° 45' W.
	20 lks. dist., marked ¼ S. 6 B.T.
57.75	Top of ascent.
	Shrubs brs. S. W.
	Descend steep slope.
80.00	Set a sandstone 16 x 12 x 10 ins.

Subdivision T. 3 N. R. 4 W.

Chains. 11 in. in the ground for cor. to secs. 4, 5, 8 and 9, marked with 5 notches on S. and 4 on E. edges; from which

A pine 30 in. diam. bears N. 71° 45' E. 82 lks. dist. marked T3N R4W S. 4 B.T.

A pine 36 in. diam. bears S. 30° 15' E. 34 lks. dist. marked T3N R4W S. 9 B.T.

A pine 16 in. diam. bears S. 12° W. 43 lks. dist. marked T3N R4W S. 8 B.T.

A pine 12 in. diam. bears N. 42° W. 72 lks. dist. marked T3N R4W S. 5 B.T.

Land, mountainous.
Soil, rocky; 4" rain.
Timber, pine.
Mountainous land 80.00 chs.
Heavy timber 72.00 chs.

Nov. 2, 1903.

Nov. 8:

N. 89° 42' E. on a random line bet. secs. 4 and 9.

40.00 Set temp. ¼ sec. cor.

79.6 Intersect N. and S. line 11 lks. N. of point for cor. to secs. 3, 4, 9 and 10

Thence from S. 89° 47' W. on a true line bet. secs. 4 and 9.

Brush descent over slide rock

39.825 The point for ¼ sec. cor. could not set it as it would not remain stationary in the loose slide rock. I continue my course.

44.00 Foot of steep slide rock slope.

47.00 Set a sandstone 16 x 8 x 8 in.

Subdivisions T. 3 N. R. 4 W.

Chain	11 ins. in the ground for witness cor. to ¼ sec. cor.; marked W. C. ¼ on N. face; from which,
	A pine 12 ins. diam. brs. N. 12° W. 36 lks. dist. marked W. C. ¼ S. 4 B.T.
	A pine 18 ins. diam. brs. S. 27° 30' W 20 lks. dist. marked W. C. ¼ S. 9 B.T.
	Enter pines brs. N. E. and S.W.
	Descend.
59.45	Center of creek 10 lks wide 1 ft. deep, course south.
	Ascend.
63.60	Small ridge 75 ft. high brs. N. E. and S.W.
	Steep descent.
79.65	The cor. to secs. 4, 5, 8, and 9.
	Land mountainous.
	Soil, rocky; 4' rate.
	Timber, pines.
	Mountainous land 79.65 chs.
	Heavy timber 32.65 chs.
	Note: No place bet 1 & 40 chs. to set W.C. for secs. 3, 4, 9 & 10.

	N. 0° 3' W. on a random line bet. secs. 4 and 5.
40.00	Set temp. ¼ sec. cor.
80.17	Intersect N. bdy. of Tp 45 lks. W. of cor. to secs. 4, 5, 32, and 33, heretofore described.
	Thence I run S. 0° 16' W. on a true line bet. secs. 4 and 5.
	Descend through heavy pine timber.
31.00	Creek 10 lks. wide 9 ins. deep course S.W.
	Steep ascent.

Subdivisions T. 3 N. R. 4 W.

35.00 Top of steep ascent.
Descend toward creek.
40.17 Set a sandstone 14 X 12 X 6 in. 9 in. in the ground for 4 sec. cor. marked 1/4 on W. face, from which
a pine 30 in. diam. bears S. 52° W. 2 lks. dist. marked 1/4 S. 5 B. T.
a pine 16 in. diam. bears S. 87½° E. 87 lks. dist. marked 1/4 S. 4 B. T.
57.15 Foot of descent, and enter dense willows bearing N. W. and S. E.
58.40 N. bank of creek 1.5 ft. deep course S. E.
58.65 S. bank of creek.
Ascend steep slope.
61.13 Top of ascent 65 ft. high.
Descend.
78.50 N. bank of creek 1.5 ft. deep course S. W.
78.75 S. bank of creek.
80.17 The cor. to secs. 4, 5, 8 and 9.
Land, mountainous.
Soil, rocky; 4" rate. Timber, pine
Mountainous and heavy timbered land 80.17 chs.
Nov. 3, 1903.

Nov. 4;
From the cor. of secs. 5, 6, 31, and 32 on the S. bdy. of the Tp., heretofore described, I run
N. 0° 4' W. bet. secs. 31 and 32.
Abrupt descent through dense aspens and pines.
8.00 Foot of abrupt descent, bears N. W. and S. E.
Descend more gradually
dense young pines and burned timber.

Subdivisions T 3 N R 4 W.

Chain

40.00 Set a sandstone 15 x 8 x 8 ins., 10 ins. in the ground for 1/4 sec. cor. marked 1/4 on W. face; from which

An aspen 7 ins. diam., bears S. 52° W. 20 lks. dist., marked 1/4 S. 31 B T.

A pine 6 ins. diam., bears N. 45° E. 9 lks. dist., marked 1/4 S. 32 B T.

45.00 Enter creek bottom bears N. W. and S. E.

47.00 East Fork of Lake Fork creek 40 lks. wide, course S. E.

50.00 Leave creek bottom bears N. W. and S. E. Abrupt ascent over boulders and through pine and aspen timber.

80.00 Set a sandstone 18 x 8 x 5 ins., 12 ins. in the ground for cor. of secs. 29, 30, 31, and 32, marked with 1 notch on S. and 5 notches on E. edge; from which

A pine 6 ins. diam., bears N. 73° W., 2 lks. dist., marked T 3 N R 4 W S 30 B T.

A pine 5 ins. diam., bears N. 20° E., 26 lks. dist., marked T 3 N R 4 W S 29 B T.

A pine 5 ins. diam., bears S. 84° E., 3 lks. dist., marked T 3 N R 4 W S 32 B T.

A pine 7 ins. diam., bears S. 85° W., 14 lks. dist., marked T 3 N R 4 W S 31 B T.

Land, mountainous.

Soil, sandy and rocky; 2" to 4" rate.

Timber, pine and aspen.

Mountainous and heavy

Subdivisions T3N R 4W.

timbered land 80.00 chs.

N. 89°46' E. on a random line bet. secs. 29 and 32.

40.00 Set temp. 1/4 sec. cor.

80.07 Intersect N. and S. line 23 lks. N. of cor. of secs. 28, 29, 32, and 33.

Thence Irun

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

Steep ascent through heavy pine timber.

25.50 Ridge 1200 ft above cañon brs. N.W. and S.E.

cend over boulders and ough pine and aspen timber.

40.035 Set a sandstone 28 X 12 X 6 ins. 1 ins. in mound of stone for 1/4 sec. cor., marked 1/4 on N. face; from which

An aspen 4 ins. diam., brs. N. 36° E., 51 lks. dist., marked 1/4 S 29 BT.

A pine 10 ins. diam., brs. S. 87° W., 63 lks. dist., marked 1/4 S 32 BT.

50.00 Ravine brs. S.E. Ascend.

56.20 Top of ascent brs. N.W. and S.E.

Descend steep slope.

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

Land, mountainous.

Soil, rocky. 4" rate.

Timber pine and aspen.

and

timbered land 80.07 chs.

Nov. 4, 1903.

Subdivisions T3N R4W.

Chains	Nov. 5: S. 89° 46' W. on a random line bet. secs. 30 and 31.
40.00	Set temp. 1/4 sec. cor.
79.95	Intersect W. bdy. of Tp. 16 lks. S. of cor. of secs. 25, 30, 31, and 36, heretofore described.
	Thence Nov. N. 89° 58' E. on true line bet. secs. 30 and 31.
	Ascend along steep slope over boulders and through dense pines and aspens.
39.95	Set a sandstone 12 X 9 X 7 ins. in the ground for 1/4 sec. cor., marked 1/4 on N. face; from which
	A pine 6 ins. diam., bears N. 12° E., 8 lks. dist., marked 1/4 S. 30 BT.
	A pine 5 ins. diam., bears S. 13° W., 12 lks. dist., marked 1/4 S 31 BT.
79.95	The cor. of secs. 29, 30, 31, and 32.
	Land, mountainous.
	Soil, rocky; 4th rate.
	Timber, pine and aspen.
	Mountainous and heavy timbered land. 79.95 chs.

N. 0° 4' W. bet. secs. 29 and 30.

Ascend steep slope over boulders and through dense pines and aspens.

40.00 Set a sandstone 14 X 10 X 10 ins., 12 ins. in the ground for 1/4 sec. cor., marked 1/4 on W. face; from which

A pine 6 ins. diam., bears N. 82° W., 37 lks. dist., marked

Subdivisions of T3N R4W.

Chain 1/4 S 30 BT.

A pine 10 ins. diam., brs. N. 61° E., 23 lks. dist., marked 1/4 S 29 BT.

50.00 Top of abrupt ascent brs. E. and W. More gradual ascent.

.00 Set a sandstone 14 x 12 x 10 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. edge, from which

A pine 5 ins. diam., brs. N. 14° E., 11 lks. dist., marked T3N R4W S 20 BT.

A pine 12 ins. diam., brs. S. 56° E., 20 lks. dist., marked T3N R4W S 29 BT.

A pine 6 ins. diam., brs. S 50' W., 31 lks. dist., marked T3N R4W S 30 BT.

A pine 6 ins. diam. brs. N. 17° 50' W., 25 lks. dist., marked T3N R4W S 19 BT.

Land, mountainous.

Soil, rocky; 4" rate.

Timber, pine and aspen.

Mountainous and heavy timbered land 80.00 chs.

Nov. 5, 1903.

Nov. 6.

N 89° 56' E. on a random line bet. secs. 20 and 29.

40.00 Set temp. 1/4 sec. cor.

80.26 Intersect N. and S. line 12 lks. N. of cor. of secs. 20, 21, 28, and 29.

Thence I run

N. 89° 59' W. on a true line bet. secs. 20 and 29.

Subdivision T 3 N R 4 W.

Chains	
	Over boulders and through dense pine and aspen timber. Descend steep slope
15.75	Creek 20 lks. wide, course S.E. Ascend steep slope.
40.13	Set a trachyte stone 18 X 14 X 8 ins., 12 ins. in the ground for 1/4 sec. cor., marked 1/4 on N. face; from which A pine 10 ins. diam., brs. N. 16° E. 65 lks. dist., marked 1/4 S 20 B T. A pine 6 ins. diam., brs. S. 22° E. 38 lks. dist., marked 1/4 S 29 B T.
55.00	High ridge brs. N.W. and S.E.
80.26	The cor. of secs. 19, 20, 29 and 30. Land, mountainous. Soil, rocky; 3" and 4" rate. Timber, pine and aspen. Mountainous and heavy timbered land 80.26 chs.

	S 89°53' W. on a random line bet. secs. 19 and 30.
40.00	Set temp. 1/4 sec. cor.
80.09	Intersect W. bdy. of Tp. 5 lks. N. of cor. of secs. 19, 24, 25 and 30, heretofore described. Thence I run N 89°51' E. on a true line bet. secs. 19 and 30. Ascend over boulders through dense pine and aspen timber.
40.09	Set a sandstone 24 X 10 X 10 ins. 18 ins. in mound of stone for 1/4 sec. cor., marked 1/4 on N. face; from which

Subdivision T 32 N R 40 W

A pine 8 ins. diam., brs.
N. 40° W., 38 lks. dist.,
1/4 S. 19 B.T.

A pine 6 ins. diam., brs.
S. 73° E., 54 lks. dist., marked
1/4 S. 30 B.T.

80.09 The cor. to secs. 19, 20, 29, and 30.
Land, mountainous.
Soil, rocky; 3" and 4" rate.
Timber, pine and aspen.
Mountainous and heavy timbered land 80.09 chs.

N. 0° 4' W. bet. secs. 19 and 20.
Ascend through pines
and fallen timber.

26.00 Leave timber brs. E. and W.
Over boulders.

30.00 Ridge 3000 ft. above East
Fork Lake Fork creek brs. N. W.
and S. E. Descend abruptly.

40.00 Set a sandstone 12 x 10 x 6 ins.,
8 ins. in the ground for 1/4
sec. cor., marked 1/4 on W. face,
and raise a mound of
stone 2 ft. base 1 1/2 ft. high
W. of cor.

Pits impracticable.

50.00 Enter dense pine timber
brs. N. W. and S. E.

60.00 Set a sandstone 20 x 15 x 8
ins., 15 ins. in the ground
for cor. to secs. 17, 18, 19 and
20, marked with 3 notches
on S. and 5 notches on E. edge,
from which

A pine 6 ins. diam., brs.
N. 55° 30' W., 31 lks. dist., marked
T 32 N R 40 W S 18 B.T.

A pine 7 ins. diam., brs.

Subdivisions T. 3 N. R. 4 W.

Chains N. 17° E. 48 lks. dist. marked T 3 N R 4 W S 17 B.T.
A pine 7 ins. diam., brs. S. 13° E. 17 lks. dist. marked T 3 N R 4 W S 20 B.T.
A pine 12 ins. diam., brs. S. 73° W., 21 lks. dist. marked T 3 N R 4 W S 19 B.T.
Land, mountainous.
Soil, rocky, 4" rate.
Timber, pine and aspen.
Mountainous or heavy timbered land 80.00 chs.
Nov. 6, 1903

Nov. 7.
S 89° 59' E. on a random line bet. secs. 17 and 20.
40.00 Set temp. 1/4 sec. cor.
80.17 Intersect N. and S. line 5 lks. N of cor. of secs. 16, 17, 20 and 21.
Thence Irun
N 89° 57' W on a true line bet. secs. 17 and 20.
Descend over rocks and boulders.
29.00 Enter dense timber brs. N. W. and S. E.
31.50 Creek 25 lks. wide, course S. E. Ascend.
40.085 Set a sandstone 15 x 10 x 6 ins., 10 ins. in the ground for 1/4 sec. cor., marked 1/4 on N. face; from which
A pine 4 ins. diam., brs. N. 26° 30' W. 75 lks. dist., marked 1/4 S 17 B.T.
A pine 6 ins. diam., brs. S. 60° W. 79 lks. dist., marked 1/4 S 20 B.T.
45.00 Spur projects S. E. Descend.

Subdivisions T 32 N R 4 W.

70.50 Gulch, course S. E.
80.17 The cor. of secs. 17, 18, 19, and 20.
Land, mountainous.
Soil, rocky; 3" and 4" rate.
Timber, pine and aspen.
Mountainous or heavy timbered land 80.17 chs.

S. 89°51' W. on a random line bet. secs. 18 and 19.
40.00 Set temp. 1/4 sec. cor.
79.90 Intersect N. and S. line 16 lks. S. of cor. of secs. 13, 18, 19 and 24, heretofore described.
Thence from N. 89°58' W. on a true line bet. secs. 18 and 19.
Over rock and boulders.
Ascend.
32.00 Ridge brs. N. W. and S. E.
Descend steep slope.
39.90 Set a sandstone 20 X 12 X 10 ins., 15 ins. in the ground and mound of stone, for 1/4 sec. cor., marked 1/4 on N. face, and raised a mound of stone 2 ft. base 1 1/2 ft. high N. of cor.
Pits impracticable.
53.00 Enter dense pine and aspen timber brs. N. W. and S. E.
79.90 The cor. of secs. 17, 18, 19, and 20.
Land, mountainous.
Soil, rocky; 3" and 4" rate.
Timber, pine and aspen.
Mountainous or heavy timbered land 79.90 chs.
Nov. 7, 1903.

Subdivision T3N R4W.

Chains	
	Nov. 8: N. 0° 4' W. bet. secs. 17 and 18.
	Brisk descent over boulders through scattering timber.
10.00	Ravine, course S. E.
11.00	Ascend over boulders through dense pines and aspens,
37.00	Ridge brs. N. W. and S. E. Descend
40.00	Set a sandstone 20 x 12 x 8 ins, 15 ins. in the ground for ¼ sec. cor., marked ¼ on W. face; from which
	A pine 9 ins. diam., brs. S. 38° W., 84 lks. dist., marked ¼ S. 18 BT.
	A pine 10 ins. diam., brs. S. 19° 38' E., 67 lks. dist., marked ¼ S. 17 BT.
47.00	Leave timber brs. N. W. and S. E.
49.50	Ravine drs. S. E. Ascend.
60.10	Spur, projects east. Descend.
80.00	Set a sandstone 24 x 12 x 8 ins, 18 ins. in the ground for cor. of secs. 7, 8, 17, and 18, marked with 4 notches on S., and 5 notches on E. edge; from which.
	A pine 13 ins. diam., brs. N. 74° E., 137 lks. dist., marked T3N R4W S 8 BT.
	A pine 14 ins. diam., brs. S. 32° E., 75 lks. dist., marked T3N R4W S 17 BT.
	No other trees available, and raise a mound of stone 2 ft. base 1½ ft. high W. of cor.
	Pits impracticable.
	Land, mountainous.
	Soil, rocky, 3"-4" rate
	Timber pine and aspen.
	Mountainous or heavy

Subdivisions T3N R4W.

Chains	timbered land 80.00 chs.
	S.89°57'E. on a random line bet. secs. 8 and 17.
40.00	Set temp. 1/4 sec. cor.
80.23	Intersect N. and S. line 6 lks. S. from cor. secs. 8, 9, 16, and 17.
	Thence Irun
	West on a true line bet. secs. 8 and 17.
	Descend over rocks and boulders.
20.00	Enter dense timber brs. N. and S.
23.00	Creek 20 lks. wide, course S. ascend.
40.115	Set a sandstone 20 X 12 X 8 ins., 15 ins. in the ground for 1/4 sec. cor., marked 1/4 on N. face, from which
	A pine 9 ins. diam. brs. N. 20°30'E., 25 lks. dist., marked 1/4 S. 8 B.T.
	A pine 4 ins. diam. brs. S. 65° W., 48 lks. dist., marked 1/4 S 17 B.T.
41.25	Spur, projects S.E. Descend.
67.00	Gulch, course S.E.
	Leave timber brs. N.W. and S.E.
80.23	The cor. of secs. 7, 8, 17, and 18.
	Land mountainous.
	Soil, rocky, 4" rate.
	Timber pine and aspen.
	Mountainous or heavy timbered land 80.23 chs.
	Nov. 8, 1903
	Nov. 9:
	S.89°58'W. on a random line bet. secs. 7 and 18.

Subdivision T 32 N R 4 W.

Chains	
40.00	Set temp. 1/4 sec. cor.
79.81	Intersect W. bdy. of Tp. 18 lks. S. of cor. of secs. 7, 12, 13, and 18, heretofore described.
	Thence I run S. 89°54' E. on a true line bet. secs. 7 and 18.
	Ascend over rocks and boulders.
39.81	Set a sandstone 15 X 10 X 8 ins., 10 ins. in ground and mound of stone for 1/4 sec. cor., marked 1/4 on N. face; and raised a mound of stone 2 ft. base 1 1/2 ft. high N. of cor.
	Pits impracticable.
45.00	High ridge brs. N. W. and S. E.
	Descend.
79.81	The cor. of secs. 7, 8, 17, and 18.
	Land, mountainous.
	Soil, rocky; 4 rate.
	No timber.
	Mountainous land 79.81 chs.

	N. 0°4' W. bet. secs. 7 and 8.
	Descend over rocks and boulders.
6.00	Ravine, brs. S. E.
	Ascend over boulders and through dense pine brs. N. W. and S. E.
40.00	Set a sandstone 15 X 8 X 5 ins., 10 ins. in the ground for 1/4 sec. cor., marked 1/4 on N. face; from which
	a pine 7 ins. diam., brs. S. 26° W., 16 lks. dist., marked 1/4 S 7 B T.
	A aspen 5 ins. diam., brs.

Subdivision T 3N R 4W.

S. 77° E., 11 lks. dist.,
¼ S of B.T.

69.00 Ridge bro. N. W. and S. E.

.00 Set a sandstone 16 x 8 x 8 ins.,
11 ins. in the ground for cor.
secs. 5, 6, 7 and 8, marked
with 5 notches on S. and E. edge,
from which

a pine 13 ins. diam., bro.
N. 69° W. 2 lks. dist., marked
T 3N R 4W S 6 B.T.

a pine 9 ins. diam., bro.
N. 60° E., 34 lks. dist., marked
T 3N R 4W S 5 B.T.

a pine 20 ins. diam., bro.
S. 25° E., 51 lks. dist., marked
T 3N R 4W S 8 B.T.

a pine 22 ins. diam., bro.
S. 42° W., 50 lks. dist., marked
T 3N R 4W S 7 B.T.

Land, mountainous.
Soil, rocky, 4" rate.
Timber, pine and aspen.
Mountainous or heavy
timbered land 80.00 ch.

Nov. 9, 1903

Nov. 10:
East on a random line bet.
secs. 5 and 8.

40.00 Set temp. ¼ sec. cor.

80.06 Intersect N. and S. line
15 lks. S. of cor. of secs. 4, 5, 8 and 9.
Thence from
S. 89° 54' W. on a true line bet. secs.
5 and 8.

Ascend through pine and
aspen.

0.50 Creek 25 lks. wide, course
S. W.

Ascend gradually.

40.03 Set a sandstone 18 x 12 x 8 ins.

Subdivision T. 32 N. R. 4 W.

Chains 12 ins. in the ground for 1/4 sec. cor., marked 1/4 on N. face; from which
a pine 9 ins. diam., bears N. 26° W., 62 lks. dist., marked 1/4 S. 5-B.T.
a pine 10 ins. diam., bears S. 43° W., 47 lks. dist., marked 1/4 S. 8-B.T.
57.00 Ridge bears N. W. and S. E.
70.00 Ravine, course S. E.
80.06 The cor. of secs. 5, 6, 7, and 8.
Land, mountainous.
Soil, rocky, 4" rate.
Timber, pine and aspen.
Mountainous and heavy timbered land 80.06 chs.

N. 89° 54' W. on a random line bet. secs. 6 and 7.
40.00 Set temp. 1/4 sec. cor.
79.69 Intersect W. bdy. of Tp. 15 lks. N. of cor. of secs. 5, 6, 7, and 12, heretofore described.
Thence from
East on a true line bet. secs. 6 and 7.
Ascend over rocks and boulders
5.00 High ridge 3500 ft. above E. fork Lake Fork bears N. W. and S.
Descend,
39.69 Set a sandstone 16 x 10 x 8 ins., 11 ins. in the ground and mound of stone, for 1/4 sec. cor., marked 1/4 on N. face; and raise a mound of stone 2 ft. base 1 1/2 ft. high N. of cor.
Pits impracticable.
44.00 Begin abrupt descent bears N. W. and S. E. Enter dense

Subdivisions T 3 N R 4 W.

Chains pine timber brs. N. W. and S. E.
52.00 Ravine, course S. E. Ascend
68.00 Ridge brs. N. W. and S. E.
79.69 The cor. of secs. 5, 6, 7 and 8.
Land, mountainous.
Soil, rocky, 4" rate.
Timber, pine and aspen.
Mountainous or heavy timbered land 79.69 chs.

Nov. 10, 1903.

Nov. 11:
N. 0° 4' W. on a random line bet. secs. 5 and 6.
40.00 Set temp. 1/4 sec. cor.
80.11 Intersect N. bdy of Tp. 16 lks. W of cor. of secs. 5, 6, 31, and 32, heretofore described.
Thence Irun
S. 0° 3' W. on a true line bet. secs. 5 and 6.
Ascend gradually
5.00 enter pine timber brs. E. and W.
26.00 Shore of lake 10 chs. wide brs. E. and W.
Offset N 89° 57' W 5 chs to a point, thence S 0° 3' W 12.50 chs. to a point, thence S 89° 57' E 5 chs. to a point on line, or
38.50 Shore of lake brs. N. W. and S. E.
40.11 Set a sandstone 18 X 12 X 8 ins., 12 ins. in the ground for 1/4 sec. cor., marked 1/4 on W. face; from which
A pine 9 ins. diam., brs. N. 34° W. 241 lks. dist., marked 1/4 S. 6. B. T.
A pine 8 ins. diam., brs. N. 85° E., 83 lks. dist., marked 1/4 S 5 B. T.
45.00 Top of ascent. Descend.
46.00 branch 2 lks. wide

Subdivisions T3N R4W.

Chains course S.E.
71.00 Ravine course S.E. Ascend.
80.11 The cor. of secs. 5, 6, 7, and 8.
Land mountainous.
Soil, rocky; 4" rate.
Timber, pine and aspen.
Mountainous or heavy timbered land 80.11 chs.
Nov. 11, 1913.

General Description.

This township is mountainous throughout, many parts of it being above timber line. The highest points are almost 5000 ft. above East Fork of Lake Fork creek, which flows through the S.W. corner of the Tp. A tributary of this stream runs in the general direction of south through the west central part.

Timber grows almost everywhere in the south half of the Tp. and in the bottom of all the cañons, none of marketable value. In the basin in secs. 13, 14, 23 and 24, and in that of 1 and 2, there are good grazing grounds, but it is impossible to get stock to them.

There are no settlers in this township.

There are no minerals in this township. Three are Lakes in secs. 5, 6, 17, 23, 24,

33 — 34.

James C Dick
US Dep. Surveyor

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

James C Dick
US Dep. Surveyor

BLANK

PAGE

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by James C. Dick, United States Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the survey of Ts 2 and 3 N. Rs 4 W., Winitah Special Base and Meridian Utah, showing the respective capacities in which they acted:

H. H. Bader, *Chainman.*
Ralph Osborne, *Chainman.*
Will Castleton, *Moundman.*
, *Moundman.*
John Davis, *Axman.*
Francis M. Benton, *Axman.*
Joseph Harrison, *Flagman.*

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted James C. Dick, United States Deputy Surveyor, in surveying all those parts or portions of the Subdivisions Ts 2 and 3 N., Rs 4 W., of the Winitah 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.

H. H. Bader, *Chainman.*
Ralph Osborne, *Chainman.*
Will Castleton, *Moundman.*
, *Moundman.*
John L. Davis, *Axman.*
Francis M. Benton, *Axman.*
Joseph Harrison, *Flagman.*

Subscribed and sworn to before me this 11th day of Nov, 1903

SEAL

James C. Dick
US Dep Surveyor

6—151

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, James C. Dick, United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from Edward H. Anderson United States Surveyor General for the District of Utah, bearing date of the 22nd day of July 1903, 189 , I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for the District of Utah, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of the subdivisional lines of Townships 2 and 3 North Range 4 West of the Uintah Special Base and meridian, in the State of Utah, which are represented in the foregoing field notes in books D & H as having been surveyed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for the District of Utah and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey; and should any fraud be detected, I will suffer the penalty of perjury under the provisions of an Act of Congress approved August 8, 1846.

James C. Dick
United States Deputy Surveyor.

Subscribed by said James C. Dick, and sworn to before me this 25th day of May 1904, 189

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

SEAL

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, June 30, 1904.

The foregoing field notes of the survey of the subdivisional lines of Township 3 North Range 4 West of the Uintah Special Base & Meridian, Utah executed by James C. Dick and Austin K. Tiernan under their contract No. 272, dated July 22, 1903, 189 , having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Edward H. Anderson
United States Surveyor General.

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

United States Surveyor General.

6--151

BLANK

PAGE

BLANK

PAGE

FILED
SEP 22 1904

103

I-619.

BOOK A-310

I.

FIELD NOTES

OF THE SURVEY OF THE

F-I-R-S-T G-U-I-D-E M-E-R-I-D-I-A-N

W-E-S-T.

through

TOWNSHIP NO.4 NORTH,

between

RANGES NO.4 and 5 WEST.

Of the Uintah Special Base and *Meridian,*

In the State of Utah.

AS SURVEYED BY

James G.Dick, and Austin K.Tiernan, *United States Deputy Surveyors,*

Under their *Contract No.272*, *dated* July 22,1903.

Survey commenced October 9,1903.

Survey completed June 15,1904.

BOOK A-310

NAMES AND DUTIES OF ASSISTANTS.

E.Benton Andrews.	Chainman.
F.L.Hurford,	"
J.F.Delfs	"
R.L.Davidson.	"
Robert GRaham,	Moundman.
CHARLES Wall,	Axman.
Chase Hatch,	"
Edward J.Little,	Flagman.

BOOK A-310

INDEX DIAGRAM.

Township 4 N., , *Range* 4 W.

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

Meanders Page

PRELIMINARY OATHS OF ASSISTANTS.

WE E. Benton Andrews, F. L. Hurford, J. F. Delfs, and R. L. Davidson,
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
First Guide meridian W., through T. 4 N., bet. Rs. 4 and 5 W. of the Uin
Special Base ~~and Meridian, Utah~~

E. Benton Andrews, Chainman.
J. F. Delfs, Chainman.
F. L. Hurford, Chainman.
R. L. Davidson, Chainman.

Subscribed and sworn to before me this 9th day of October, 1903., 189

SEAL

Austin K. Tiernan
U. S. Deputy Surveyor

WE, Robert Graham, xxxx
do solemnly swear that ~~we~~ I will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given ~~us~~ me, to the best of ~~our~~ my skill and ability, in the survey of
First Guide Meridian W., through T. 4 N., bet. Ranges 4 and 5 W. of the Uintah Special Base and Meridian, Utah.

Robert Graham, Moundman.
, Moundman.

Subscribed and sworn to before me this 9th day of October, 1904., 189

SEAL

Austin K. Tiernan
U. S. Deputy Surveyor.

WE, Charles Wall and Chase Hatch
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
FIRST GUIDE MERIDIAN W., through T. 4 N., Rs. 4 and 5 W. of the Uintah Special Base and Meridian, Utah.

Chas Wall, Axman.
Chase Hatch, Axman.

Subscribed and sworn to before me this 9th day of October, 1904., 189

SEAL

Austin K. Tiernan
U. S. Deputy Surveyor

I, Edward J. Little, do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of First Guide Meridian West, through T. 4 N., bet. Rs. 4 and 5 W. of t
the Uintah Special Base and Meridian, Utah.

Edward J. Little, Flagman.

Subscribed and sworn to before me this 9th day of October, 1904., 189

SEAL

Austin K. Tiernan
U. S. Deputy Surveyor.

FIRST GUIDE MERIDIAN WEST,OR W.BDY.OF T.4 N.R.4 W.

Chains. As the East Boundary of T.4 N.R.3 W.,also the First Standard Parallel North,through Range 3 West,are not yet established by H.E.Freudenthal,D.S.under his cont. No.268,I deem it best to begin survey of T. 4 N.R.4 W. out of it's regular order pending the survey of said lines.

Survey commenced October 9,1903,and executed with the instrument described in book "E" of this survey.

I begin at the witness cor.4 chs.S.of true point to cor. of Tps. 3 and 4 N.,Rs. 4 and 5 W., heretofore described, in latitude 40° 42'N.,longitude 110°25'W. At 6 h. 13 m. a.m.l.m.t.I observe Polaris at western elongation in accordance with the Manual of Instructions and mark a point in the line thus determined by a tack driven in a wooden peg set in the ground, 5 chs.N. of my station.

At 7 h.a.m.l.m.t.I lay off the azimuth of Polaris 1°36' to the east,and mark the meridian thus determined by cutting a cross on a stone firmly set in the ground,east of the mark established this morning.

The magnetic bearing of the true meridian is N.16°35'W. which gives the magnetic decl.16°35'E.

From the witness cor.I run

North bet.secs.1 and 6 T.3 N.Rs.4 and 5 W.

Ascend over mountainous land.

4.00 Point for cor.of Tps.3 and 4 N.Rs.4 and 5 W. falls on perpendicular face of sandstone ledge,and cannot be set. I continue line north bet.secs.31 and 36 T.4 N.Rs.4 and 5 W.,counting distance from point for cor.to Ts..3 and 4 N., Rs.4 and 5 W.

11.00 Top of ridge bears NE.and SW.

Descend along west slope of ridge.

Difference bet.measurements of 40.00 chs.by two sets of chainmen is 16 lks.;position of middle point.

By 1st set 39.92 chs.

FIRST GUIDE MERIDIAN WEST OR W BDY OF T 4 N R 4 W

Chains	
	By 2nd set 40.08 chs.,the mean of which is
40.00	Set a sandstone 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.Pits impracticable.
50.00	Lake,area about 20 acres,bears E. 20.00 chs.
70.00	Top of ridge bears N.and SE. Thence along top of ridge.
	Difference bet.measurements of 80.00 chs.by two sets of chainmen is 20 lks.;position of middle point
	By 1st set 79.90 chs.
	By 2nd set 80.10 chs.,the mean of which is
80.00	Set a sandstone 18x10x8 ins.12 ins.in the ground,for cor.of secs.25,30,31,and 36,marked with 1 notch on the S.and 5 notches on the N.edge;and raise a mound of stone 2 ft.base $1\frac{1}{2}$ ft.high W.of cor.Pits impracticable.
	Land mountainous.
	Soil rocky;3rd and 4th rate.
	No timber.
	Mountainous land on 80.00 chs.

North bet.secs.25 and 30

	Over huge sandstone boulders and heavy slide rock along top of ridge; Descend.
16.00	Top of pass on ridge,bears E.and W.;ascend.
26.00	Top of ridge bears NE.and S.
	Descend abruptly from top of ridge.
35.00	Begin nor gradual descent.
	Difference bet.measurements of 40.00 chs.by two sets of chainmen is 22 lks.;position of middle point
	By 1st set 39.89 chs.
	By 2nd set 40.11 chs.;the mean of which is
40.00	Set a sandstone 14x8x6 ins.,9 ins.in the ground,for $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on W.face;and raise a mound of stone 2 ft.base $1\frac{1}{2}$ ft.high W.of cor. Pits impracticable.
66.00	Bottom of gulch 400 ft.below top of ridge,course W.

CHAINS	
	Begin abrupt ascent.
76.00	Top of spur projects SW.
	Descend.
	Difference bet.measurements of 80.00 chs.,by two sets of chainmen is 26 lks.;position of middle point
	By 1st set,79.87 chs.,
	By 2nd set,80.13 chs.,the mean of which is
80.00	Set a sandstone,14x10x8 ins.,9 ins.in the ground,for cor.of secs.19-24-25 and 30,marked with 2 notches on the S.and 4 notches on the N.edge;and raise a mound of stone,2 ft.base,1½ ft.high,W.of cor.
	Pits impracticable.
	Land,mountainous.
	Soil;rocky,3rd and 4th rate.
	No timber.
	Mountainous land on 80.00 chs.

	North,bet.secs.19 and 24.
	Descend along west slope of mountain,over huge sandstone boulders and slide rock.
17.00	Ascend along S.slope of mountain.
36.00	Top of rocky spur projects W.
	Descend.
	Difference bet.measurements of 40.00 chs.by two sets of chainmen is 14 lks.;position of middle point
	By 1st set,39.93 chs.,
	By 2nd set,40.07 chs.,the mean of which is
40.00	Set a sandstone,15x8x6 ins.,10 ins.in the ground,for ¼ sec.cor.,marked ¼ on W.face;and raise a mound of stone 2 ft.base,1½ ft.high,W.of cor.
	Pits impracticable.
	Begin abrupt descent.
59.60	Bottom of gulch,500 ft.below top of spur,course SW.
	Ascend.

FIRST GUIDE MERIDIAN WEST,OR WEST BDY.OF T.4 N.,R.4 W.

CHAINS	
62.00	Lake,area about 15 acres,bears E.,18.00 chs.dist.
	Begin abrupt ascent.
	Difference bet.measurements of 80.00 chs.,by two sets of chainmen is 20 lks.:position of middle point
	By 1st set,79.90 chs.,
	By 2nd set,80.10 chs.,the mean of which is
80.00	Set a sandstone,17x10x6 ins.,11 ins.in the ground,for cor.of secs.13-18-19 and 24,marked with 3 notches on the N.and S.edges;and raise a mound of stone,2 ft.base,1½ ft high,W.of cor.
	Pits impracticable.
	Land,mountainous.
	Soil;rocky,3rd and 4th rate.
	Timber,none.
	Mountainous land on 80.00 chs.
	Oct.9,1903.

	Oct.10:
	North bet.secs.13 and 18.
	On top of spur projecting SW.,descend abruptly over huge sandstone,boulders and slide rock.
12.00	Bottom of gulch,400 ft.below top of spur,course SW.
	Ascend.
	Difference bet.measurements of 40.00 chs.,by two sets of chainmen is 14 lks.:position of middle point
	By 1st set,39.93 chs.,
	By 2nd set,40.07 chs.,the mean of which is
40.00	Set a sandstone,15x8x6 ins.,10 ins.in the ground,for ¼ sec.cor.,marked ¼ on W.face;and raise a mound of stone,2 ft.base,1½ ft.high,W.of cor.
	Pits impracticable.
	Difference bet.measurements of 80.00 chs.,by two sets of chainmen is 10 lks.:position of middle point
	By 1st set,79.95 chs.,

FIRST GUIDE MERIDIAN WEST,OR WEST BDY.OF T.4 N.,R.4 W.

CHAINS

By 2nd set,80.05 chs.,the mean of which is

80.00 Set a sandstone,17x8x8 ins.,11 ins.in the ground,for cor.of secs.7-12-13 and 18,marked with 4 notches on the S.and 2 notches on the N.edge;and raise a mound of stone,2 ft.base,1½ ft.high,W.of cor.

Pits impracticable.

Land,mountainous.

Soil;rocky,3rd and 4th rate.

Mountainous land on 80.00 chs.

North bet.secs.7 and 12.

Over broken sandstone ledges and slide rock,ascend abruptly.

11.00 Bottom of perpendicular ledge,100 ft.high,bears NE.and SW

22.00 Top of ridge bears N.and SW.

Ascend along top of ridge.

Difference bet.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 Set a sandstone,15x10x8 ins.,10 ins.in the ground,for ¼ sec.cor.,marked ¼ on W.face;and raise a mound of stone 2 ft.base,1½ ft.high,W.of cor.

Pits impracticable.

42.00 Descend from top of ridge,bearing S.and NE.

44.00 Begin abrupt descent.

Difference bet.measurements of 80.00 chs.,by two sets of chainmen is 4 lks.;position of middle point

By 1st set,79.98 chs.,

By 2nd set,80.02 chs.,the mean of which is

80.00 Set a sandstone,24x8x8 ins.,18 ins.in the ground,for cor.of secs.1-6-7 and 12,marked with 5 notches on the S.and 1 notch on the N.edge;and raise a mound of stone,2 ft.base,1½ ft.high,W.of cor.

Pits impracticable.

Land,mountain

FIRST GUIDE MERIDIAN OR WEST BDY.OF T.4 N.,R.4 W.

CHAINS

Land,mountainous.

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

No timber.

Mountainous land on 80.00.chs.

[illegible]

North,bet.secs.1 and 6.

Descend along West slope of mountain divide bet.Lake Fork and Uintah River Canons,over broken sandstone ledges and rock slide.

Difference bet.measurements of 40.00 chs.,by two sets is 22 lks.;position of middle point

By 1st set,39.89 chs.,

By 2nd set,40.11 chs.,the mean of which is

40.00 Set a sandstone,18x12x4 ins.,12 ins.in the ground,for $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on W.face;and raise a mound of stone,2 ft.base,$1\frac{1}{2}$ ft.high,W.of cor.

Pits impracticable.

Knowing the First Standard Parallel North has not yet been established through R.4 W.,I discontinue the line at this cor.

October 10,1903.

June 15,1904: From my station at the $\frac{1}{4}$ sec.cor.,bet.secs. 1 and 6,heretofore described,I back sight on the cor.of secs.1-6-7 and 12,visible from my station.

Thence I run with continuous measurement,

North bet.secs.1 and 6.

Ascend along west slope of divide.

80.00 Intersect First Standard Parallel North,4.16 chs.E.of the standard cor.of Tp.5 N.,Rs.4 and 5 W.heretofore

FIRST GUIDE MERIDIAN WEST,OR WEST BDY.OF T.4 N.,R.4 W.

CHAINS

described.

Difference bet.measurements of 80.00 chs.,by two sets of chainmen is 24 lks.;position of middle point

By 1st set,79.88 chs.,

By 2nd set,80.12 chs.,the mean of which is 80.00 chs.

Set a sandstone,24x12x8 ins.,18 ins.in the ground,for closing cor.of Tp.4N,Rs.4 and 5 W.,marked

CC 4 N on S.,

4 W on E.,and

5 W on W.face,with 6 grooves on the S.,E.,and W. faces;and raise a mound of stone,2 ft.base,1½ ft.high, S.of cor.

Pits impracticable.

Land,mountainous.

Soil;rocky 4th rate.

No timber.

Mountainous land on 80.00 chs.

June 15,1904.

For general description,see subdivisions of this town ship.

FIRST GUIDE MERIDIAN WEST, OR WEST BDY. OF T.4 N., R.4 W.

CHAINS

BOUNDARIES OF TOWNSHIP No.4 N., RANGE No.4 W.

Latitudes, departures and closing errors.

Line designated.	True bearing	Dist.	Latitudes.		Departures.	
		chs.	N. chs.	S. chs.	E. chs.	W. chs.
1st Stan. Par. N., through R.4 W.	West	478.89				478.89
1st Guide Mer. W. or W.Bdy. of T.4 N., R.4 W.	South	480.00		480.00		
N.Bdy. T.3 N., R.4 W.	N.89°51'E.	479.49	1.25		479.49	
E.bdy. T.4 N., R.3 W.	North	479.60	479.60			
Convergency						0.63
Totals.....			480.85 480.00	480.00	479.49	479.52 479.49
Errors in dep. and lat.			0.85			0.03

Austin K. Fisman

US DEPUTY SURVEYOR.

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by Austin K. Tiernan, United States Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the survey of First Guide Meridian West, through T. 4 N., between Rs. 4 and 5 W. of the Uintah Special Base and Meridian, Utah, showing the respective capacities in which they acted:

E. Benton Andrews and F. L. Hurford, *Chainman.*

J. F. Delfs and R. L. Davidson, *Chainman.*

Robert Graham, *Moundman.*

Moundman.

Charles Wall, *Axman.*

CHase Hatch, *Axman.*

Edward J. Little, *Flagman.*

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted Austin K. Tiernan, United States Deputy Surveyor, in surveying all those parts or portions of the First Guide Meridian West, through T. 4 N., bet. Rs. 4 and 5 W. of the Uintah Special Base and meridian, in the state of Utah., which are represented in the foregoing field notes as having been surveyed by him and under his direction; and that said survey has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the corner monuments established, according to the instructions furnished by the United States Surveyor General for Utah.

E. Benton Andrews, *Chainman.*
F. L. Hurford, *Chainman.*
J. F. Delfs, *Chainman.*
R. L. Davidson, *Chainman.*
Robert Graham, *Moundman.*
Moundman.
Chas Wall, *Axman.*
Chase Hatch, *Axman.*
Edward J. Little, *Flagman.*

Subscribed and sworn to before me this 15th day of June, 1904., 189

SEAL

Austin K. Tiernan
U. S. Deputy Surveyor.

6—151

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, Austin K. Tiernan, United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from Edward H. Anderson, United States Surveyor General for Utah, bearing date of the 22nd day of July, 1903, 189 , I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for , the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of

First Guide Meridian West, through T. 4 N., bet. Rs. 4 and 5 W.

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

Austin K. Tiernan
United States Deputy Surveyor.

Subscribed by said Austin K. Tiernan, and sworn to before me this 22d day of September, 1904

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

SEAL

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL.

Salt Lake City, Utah November 9, 1904

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

executed by James C. Dick and Austin K. Tiernan under his contract No. 272, dated July 22, 1903, xxx, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Edward H. Anderson
United States Surveyor General

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

United States Surveyor General

BLANK

PAGE

BLANK

PAGE

SEP 22 1904

4—679.

BOOK A-310
J.

FIELD NOTES

OF THE SURVEY OF THE

W-E-S-T B-O-U-N-D-A-R-Y.

of

T-O-W-N-S-H-I-P NO.4 N-O-R-T-H.

R-A-N-G-E No. 3 W-E-S-T.

Of the Uintah Special Base and *Meridian,*

In the state of Utah.

AS SURVEYED BY

James C. Dick, and Austin K. Tiernan, *United States Deputy Surveyors,*

Under their *Contract No.* 272, *dated* July 22, 1903.

Survey commenced Oct. 13, 1903.

Survey completed June 26, 1904.

6—31

Ex. f. 579-65

Cy

05 05

NAMES AND DUTIES OF ASSISTANTS.

E.B.Andrews,	Chainman.
F.L.Hurford,	Chainman.
Robert Graham,	Moundman.
Chas.Wall,	Axman.
R.L.Davidson,	"
Edward J.Little	Flagman.

6—151

INDEX DIAGRAM.

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

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

Meanders Page ....

PRELIMINARY OATHS OF ASSISTANTS.

WE, E. B. Andrews and F. L. Hurford,

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

W. Bdy. of T. 4 N., R. 3 W. of Uintah Special Base and Meridian, Utah.

E. B. Andrews, Chainma

F. L. Hurford, Chainma

Subscribed and sworn to before me this 13th day of October, 1903., 189

Austin K. Tierney
U. S. Deputy Surve

SEAL

~~WE~~, Robert Graham, ~~and~~

do solemnly swear that ~~we~~ will well and truly perform the duties of moundman in the establishm of corners, according to the instructions given ~~us~~ me to the best of ~~our~~ my skill and ability, in the survey

W. bdy. of T. 4 N., R. 3 W., of Uintah Special Base and Meridian, Utah

Robert Graham, Moundma

, Moundma

Subscribed and sworn to before me this 13th day of October, 1903., 189

Austin K. Tierney
U. S. Deputy Surve

SEAL

WE, Chas. Wall and R. L. Davidson,

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

W. bdy. of T. 4 N., R. 3 W., of Uintah Special Base and Meridian, Utah

Chas. Wall, Axma

R. L. Davidson, Axma

Subscribed and sworn to before me this 13th day of October, 1903., 189

Austin K. Tierney
U. S. Deputy Surveyo

SEAL

I, Edward J. Little, 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 t survey of ~~W. bdy. of T. 4 N., R. 3 W., of Uintah Special Base and Meridian~~

Edward J. Little, Flagma

Subscribed and sworn to before me this 13th day of October, 1903., 189

Austin K. Tierney
U. S. Deputy Surveyo

SEAL

6—151

WEST BDY. OF T.4 N., R.3 W.

CHAINS

Survey commenced Oct.13, 1903, and executed with a Buff and Buff light mountain transit, No.3265, the horizontal limb, being provided with two double verniers, placed opposite to each other, and reading to single minutes of arc, which is also the least count of the vernier of the lat. arc.

The instrument was examined, tested on the true meridian at Salt Lake City, found correct, and was approved by the surveyor general for Utah, August 20th, 1903.

I begin at the cor. of Tps.3 and 4 N., Rs.3 and 4 W., which is a quartzite stone, 10x6x6 ins. above ground, marked and witnessed as described by Herman E. Freudenthal, under his Cont. No.268, in approximate latitude, 40°42' N., longitude 110°18' W.

At this cor., at 5h 58m a.m., l.m.t., I observe Polaris at western elongation, in accordance with the Manual of Instructions, and mark the point in the line thus determined, by a tack driven in a wooden peg set in the ground, 5 chs. N. of the cor.

At 7h 00m a.m., l.m.t., I lay off the azimuth of Polaris 1°31' to the east, and mark the meridian thus determined, by a cross on a stone firmly set in the ground, east of the point established early this morning.

The magnetic bearing of the true meridian is N.16°35' W., which gives the magnetic decl. 16°35' E.

Thence I run

North, bet. secs. 31 and 36.

Ascend over mountainous land through heavy live pine and over dead and fallen timber.

4.00 Bottom of small draw, 75 ft. deep, course SE.

Begin abrupt ascent.

12.00 Top of ridge bears SE. and NW.

Begin abrupt descent.

40.00 At head of draw, draining N.,

W.BDY.OF T.4 N.,R.3.W.

CHAINS	
	Point for ¼ sec.cor.,falls on rock in place,4x3x2 ft. above ground;,Cut a cross (x) at exect.cor.point,for ¼ sec.cor.,marked ¼ on west side of cross,from which
	A pine,16 ins.diam.,bears S.30°E.,65 lks.dist., marked ¼ S 31 B T.
	A pine,16 ins.diam.,bears N.20°45'W.,35 lks.dist., marked ¼ S 36 B T.
42.00	Ascend abruptly over huge boulders and slide rock.
	Leave heavy timber.
60.53	Top of abrupt ascent bears E.and W.
	Begin gradual ascent.
80.00	Set a sandstone,24x12x10 ins.,18 ins.in the ground,for cor.of secs.25-30-31 and 36,marked with 1 notch on the S.and 5 notches on the N.edge;and raise a mound of stone,2 ft.base,1½ ft.high,W.of cor.
	Pits impracticable.
	Land,mountainous.
	Soil;rocky,3rd rate.
	Timber,pine.
	Mountainous land on 80.00 chs. Heavily timbered land on 42.00 chs.
	North bet.secs.25 and 30.
	Ascend over sandstone boulders and slide r ock.
8.00	Top of ridge bears E.and W.
	Descend.
24.00	Top of sandstone cliffs bears NW.and SE.
	Begin abrupt descent.
40.00	Set a sand stone,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.
	Pits impracticable.
47.00	Bottom of abrupt descent bears NW.and SE.

W.bdy.of T.4.,R.3.W.

CHAINS

67.00 Bottom of gulch,300 ft.deep,course SE.

Ascend abruptly.

80.00 Set a sandstone,15x6x6 ins.,10 ins.in the ground,for cor.of secs.19-24-25 and 30,marked with 2 notches on the S.and 4 notches on the N.edge;and raise a mound of stone 2 ft.base,1½ ft.high,W.of cor.

Pits impracticable.

Land mountainous.

Soil,rocky,3rd rate.

No timber.

Mountainous land on 80.00 chs.

North,bet.secs.19 and 24.

Ascend over mountainous land over sandstone ledges and loose boulders.

8.00 Top of sandstone ledges bears E.and W.

Begin more gradual ascent.

10.50 Top of ridge bears E.and W.

Descend.

13.35 Edge of bluff.

Descend abruptly over slide rock.

40.00 Point for ¼ sec.cor.falls on slide rock,and cannot be set.

40.50 Bottom of abrupt descent. Enter scattering pine timber.

40.75 Set a sandstone,14x10x10 ins.,9 ins.in the ground,for witness cor.to ¼ sec.cor.,marked W C ¼ on W.face;from which

A pine,9 ins.diam.,bears N.20°E.,2.54 chs.dist., marked W C ¼ S 19 B T.

A pine,16 ins.diam.,bears N.18°W.,2.88 chs.dist., marked W C ¼ S 24 B T.

Begin gradual descent over sandstone boulders.

43.00 Creek,6 lks.wide,course NE.,outlet to lake;the east end of lake,bearing W.,2.00 chs.dist.,and having an area of about 20 acres.

Thence over rolling land ascend.

CHAINS	
43.50	Enter heavy pine timber, bearing E. and W.
66.00	Leave heavy and enter scattering pine timber, and dense artemisia. Descend.
67.50	Bottom of broad hollow, course E., 1000 ft. below top of ridge.
	Ascend.
69.00	Leave scattering and enter heavy pine timber, bearing NE. and SW.
80.00	Set a sandstone, 14x8x8 ins., 9 ins. in the ground, for cor. of secs. 13-18-19 and 24; marked with 3 notches on the S. and N. edges; from which
	A pine, 14 ins. diam., bears S.53°E., 14 lks. dist., marked T 4 N R 3 W S 19 B T.
	A pine, 15 ins. diam., bears S.62°W., 44 lks. dist., marked T 4 N R 4 W S 24 B T.
	A pine, 12 ins. diam., bears N.41°W., 58 lks. dist., marked T 4 N R 4 W S 13 B T.
	A pine, 7 ins. diam., bears N.42°E., 13 lks. dist., marked T 4 N R 3 W S 18 B T.
	Cor. falls on top of spur projecting NE.
	Land, mountainous.
	Soil; rocky 3rd and 4th rate on 55.50 chs.; bottom land on 24.50 chs.
	Mountainous or heavily timbered land or dense under growth on 80.00 chs.
	Oct. 13, 1903.

Oct. 14, 1903:

North, bet. secs. 13 and 18.

	Descend gradually through heavy pine timber.
29.00	Leave heavy timber, bearing NW. and SE.
	Enter dense willow brush over level land.
31.75	Creek, 25 lks. wide, 8 ins. deep, in bottom of canon, 500 ft. below top of spur, course E.
33.00	Leave bottom of canon, bearing E. and W.

W.BDY.OF T.4 N.,R.3 W.

CHAINS

Leave willow brush and asend through heavy pine timber, bearing E.and W.

35.00 Point of low spur projects SE.

Descend.

36.50 Spring branch,4 lks.wide,3 ins.deep,in bottom of hollow, 100 ft.deep,course SE.

Ascend.

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

A pine,8 ins.diam.,bears N.64°E.,30 lks.dist., marked ¼ S 18 B T.

A pine,16 ins.diam.,bears N.73°30'W.,39 lks.dist., marked ¼ S 13 B T.

Leave pine timber. Enter dense artemisia.

65.00 Enter scattering pine timber.

76.00 Leave timber.

Begin abrupt ascent .

80.00 Set a sandstone,18x14x6 ins.,12 ins.in the ground,for cor.of secs.7-12-13 and 18,marked with 4 notches on the S.and 2 notches on the N.edge;and raise a mound of stone,2 ft.base,1½ ft.high,W.of cor.

Pits impracticable.

Land,mountainous.

Soil;rocky,3rd and 4th rate,on 76.00 chs.;bottom lands, 2nd rate,on 4.00 chs.

Timber,pine.

Mountainous land or heavily timbered,or dense undergrowt on 80.00 chs.

North bet.secs.7 and 12.

Ascend abruptly over slide rock.

37.00 Top of ridge bears NW.and SE.

Descend.

40.00 Point for ¼ sec.cor.,falls on sandstone rock in place, 6x4x1 ins.above ground; I cut a cross(x) at exact cor.

W.BDY.OF T.4 N.,R.3 W.

CHAINS	
	point, for ¼ sec.cor., marked ¼ on W.side of cross; and raise a mound of stone, 2 ft.base, 1½ ft.high, W.of cor. Pits impracticable. Descend abruptly over slide rock.
50.00	Bottom of abrupt descent bears E.and W.
	Begin gradual descent.
56.00	Bottom of ravine, 700 ft.below top of ridge, course E.
	Ascend.
64.00	Top of spur projects E.
	Descend.
71.00	To south shore of lake, area about 12 acres.
	To pass lake, I offset
	East, 3.00 chs.,
	Thence N., on offset line, 9.00 chs., to
80.00	Point for sec.cor.falls in lake and cannot be set.
	Land, mountainous.
	Soil; rocky, 3rd and 4th rate.
	No timber.
	Mountainous land on 80.00 chs.
	North, bet.secs.1 and 6.
	I continue on offset line,
	N., 0.65 chs.,
	Thence W, 3.00 chs.to true line at
0.65	Set a sandstone, 18x12x8 ins., 12 ins.in the ground, for witness cor.to cor.of secs.1-6-7 and 12, marked WC on NE. face; with 5 notches on the S.and 1 notch on the N.edge; and raise a mound of stone, 2 ft.base, 1½ ft.high, W.of cor. Pits impracticable.
	Ascend over rocky land.
25.00	Top of ridge bears NE.and SW. Set a flag on line.
	Descend abruptly over slide rock.
40.00	Point for ¼ sec.cor.falls on slide rock and cannot be set.
45.00	Foot of slide rock.

W.BDY.OF T.4 N.,R.3 W.

CHAIN

Enter scattering pine timber.

Set a sandstone,16x12x8 ins.,11 ins.in the ground,for witness cor.to $\frac{1}{4}$ sec.cor.,marked WC $\frac{1}{4}$ on W.face;from which

A pine,6 ins.diam.,bears N.58°E.,40 lks.dist., marked W C $\frac{1}{4}$ S 6 B T.

A pine,10 ins.diam.,bears N.42°W.,26 lks.dist., marked W C $\frac{1}{4}$ S 1 B T.

Knowing the North BDY.of this township has not been run,I abandon the line at this point. Oct.14,1903.

Survey commenced June 26,1904,and executed with the instrument described in book "E" of this survey.

I know the instrument to be in adjustment from recent observations made June 21,1904,and recorded in book "L" of this survey. From witness cor. to the $\frac{1}{4}$ sec.cor.,bet.secs.1 and 6,set Oct.14,1903,I back sight on the flag set on top of ridge,N., 25.00 chs.from the cor.of secs.1-6-7 and 12.

Thence I run

North,bet.secs.1 and 6.

Ascend over rocky land through heavy pine timber.

49.50 Top of spur projects E.

Descend.

79.60 Intersect 1st standard Parallel North,3.05 chs.E.of the standard cor.of Tp.5 N.,Rs.3 and 4 W.,heretofore describe .

Set a sandstone,16x12x10 ins.,11 ins.in the ground, for closing cor.to Tp.4 N.,Rs.3 and 4 W.,marked CC,on south,from which

A pine,10 ins.diam.,bears S.47°E.,50 lks.dist., marked T 4 N R 3 W S 6 B T.

A pine,11 ins.diam.,bears S.65°W.,24 lks.dist., marked T 4 N R 4 W S 1 B T.

Land,mountainous.

W.BDY.OF T.4 N.,R.3 W.

CHAINS

Soil;rocky,3rd and 4th rate.

Timber,pine.

Mountainous or heavily timbered land on 79.60 chs.

June 26,1904.

BOUNDARIES OF T.4 N.,R.3 W.

Latitudes,departures and closing errors.

Line designated.	True bearing	Dist.	Latitudes. N.	Latitudes. S.	Departures. E.	Departures. W.
		chs.	chs.	chs.	chs.	chs.
1st Standard Parallel N.	West	477.95				477.95
W.bdy. T.4 N. R.3 W.	South	479.60		479.60		
N.bdy. T.3 N. R.3 W.,	N.89°50'E.	477.83	1.39		477.83	
W.bdy. T.4 N. R.2 W.	North	480.15	480.15			
Convergency						0.63
Totals			481.54	479.60	477.83	478.58
			479.60			477.83
Error in dep and lat.			1.94			0.75

For general description,see subdivisions of T.4 N.,R.3 W.

Austin K. Tierney,

U.S.Deputy Surveyor.

OK A-310

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by Austin K. Tiernan, United States Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the survey of W. bdy. of T. 4 N., R. 3 W., of Uintah Special Base and Meridian, Utah. showing the respective capacities in which they acted:

E. B. Andrews, *Chainman.*

F. L. Hurford, *Chainman.*

Robert Graham, *Moundman.*

Moundman.

Chas Wall, *Axman.*

R. L. Davidson, *Axman.*

Edward J. Little, *Flagman.*

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted Austin K. Tiernan, United States Deputy Surveyor, in surveying all those parts or portions of the W. Bdy. of T. 4 N., R. 3 W., of the Uintah Special Base and meridian, in the State of Utah., which are represented in the foregoing field notes as having been surveyed by him and under his direction; and that said survey has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the corner monuments established, according to the instructions furnished by the United States Surveyor General for Utah.

E. B. Andrews, *Chainman.*

F. L. Hurford, *Chainman.*

Robert Graham, *Moundman.*

Moundman.

Chas Wall, *Axman.*

R. L. Davidson, *Axman.*

Edward J. Little, *Flagman.*

Subscribed and sworn to before me this 26, day of June, 1904.

SEAL

Austin K. Tiernan
U. S. Deputy Surveyor

6—151

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, Austin K. Tiernan, United States Deputy Surveyor, o solemnly swear that, in pursuance of a contract received from EDWARD H. ANDERSON, United States Surveyor General for Utah., bearing date of th 22nd day of July, 1903., 189 , I have well, faithfully, and truly, in my o proper person, and in strict conformity with the instructions furnished by the United States Survey General for Utah., the Manual of Surveying Instructions, and the laws of th United States, surveyed all those parts or portions of

W. Bdy. of T. 4 N., R. 3 W.,

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

Austin K. Tiernan
United States Deputy Survey

Subscribed by said Austin K. Tiernan, and sworn to before me this 22d day of September, 1904

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

SEAL

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah November 9, 1904

The foregoing field notes of the survey of the West Boundary of Township No 4 North, Range No. 3 West, of the Uintah Special Base and Meridian In the State of Utah.

executed by James C. Dick and Austin K. Tiernan, under their contract No. 272, dated July 22 1903., having be critically examined, and the necessary corrections and explanations made, the said field notes, and th surveys they describe, are hereby approved.

Edward H. Anderson
United States Surveyor Gene

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

United States Surveyor Genera

6—151

BLANK

PAGE

BLANK

PAGE

FILED 135

SEP 22 1904

4—679.

BOOK A-310

K.

FIELD NOTES

OF THE SURVEY OF THE

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

OF

TOWNSHIP NO. 4 NORTH

RANGE NO. 4 WEST.

Of the Uintah Special Base and *Meridian,*

In the state of Utah.

AS SURVEYED BY

James C. Dick and Austin K. Tiernan, *United States Deputy Surveyors,*

Under ~~his~~ their *Contract No.* 272, *dated* July 22, 1903., ~~189~~

Survey commenced October 15, 1903., ~~189~~

Survey completed July 1, 1904., ~~189~~

6—151

59-55-13

00. 21-71

4- 15.84

16.02

NAMES AND DUTIES OF ASSISTANTS.

E.B.Andrews	Chainman.
F.L.Burford	"
Robert Graham.	Roundman.
Charles Wall	Axman.
R.L.Davidson.	"
Edward J.Little	Flagman.

6—151

BOOK A-310

INDEX DIAGRAM.

Township 4 N., , *Range* 4 W.

6	51.	5	48	4	46	3	43	2	40	1
~~50~~		~~50~~		~~48~~		~~45~~		~~42~~		~~40~~
7	49	8	47	9	44	10	42	11	39	12
~~38~~		~~37~~		~~28~~		~~21~~		~~14~~		~~7~~
18	36	17	27 and 28	16	19 and 20	15	13	14	5	13
~~35~~		~~35~~		~~27~~		~~19~~		~~11~~		~~4~~
19	34	20	26	21	18	22	11	23	4	24
~~33~~		~~33~~		~~25~~		~~17~~		~~10~~		~~3~~
30	32	29	24	28	16	27	9	26	2	25
~~31~~		~~30~~		~~23~~		~~16~~		~~8~~		~~2~~
31	29	32	22	33	15	34	8	35	1	36

Meanders Page 53,54 and 55.

PRELIMINARY OATHS OF ASSISTANTS.

We, E.R.Andrews and F.L.Hurford,
do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level t
chain over even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; t
we will report the true distances to all notable objects, and the true lengths of all lines that we assist
measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey
Subdivisions of Tp.4 N.,Rs.3 and 4 W.,of Uintah Special Base
and Meridian,Utah.

E.R.Andrews, Chainma
F.L.Hurford, Chainma

Subscribed and sworn to before me this 15th
day of October,1903., 189

Austin K. Tiernan
U. S. Deputy Surv

SEAL

I, Robert Graham, and
do solemnly swear that I will well and truly perform the duties of moundman in the establishme
of corners, according to the instructions given me, to the best of my skill and ability, in the survey
Subdivisions of T.4 N.,Rs.3 and 4 W.of the Uintah Special Base
and Meridian,Utah,

Robert Graham, Moundma
, Moundma

Subscribed and sworn to before me this 15th
day of October,1903., 189

Austin K. Tiernan
U.S. Deputy Surve

SEAL

We, Charles Wall and R.L.Davidson,
do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corne
and other duties, according to instructions given us, to the best of our skill and ability, in the survey
Subdivisions of T.4 N.,Rs.3 and 4 W.,of Uintah Special Base
and Meridian,Utah.

Chas Wall, Axma
R L Davidson, Axma

Subscribed and sworn to before me this 15th
day of October,1903., 189

Austin K. Tiernan
U.S. Deputy Surveyo

SEAL

I, Edward J.Little, do solemnly swear that I will well and tru
perform the duties of flagman according to instructions given me, to the best of my skill and ability, in
survey of Subdivisions of T.4 N.,Rs.3 and 4 W.,of Uintah Special Base
and Meridian,Utah.

Edward J. Little, Flagma

Subscribed and sworn to before me this 15th
day of October,1903., 189

Austin K. Tiernan
U.S. Deputy Surveyo

SEAL

6—151

Chains

For reasons already explained I subdivide this township out of its regular order.

Survey commenced Oct.15,1903,and executed with the instrument described in book "E" of this survey.

I begin at the cor.of secs.1,2,35,and 36,on the S.bdy. of the Tp.,heretofore described,in latitude 40°42'N.; longitude 110°19'W.;and at 5 h.50 m.a.m.l.m.t.observe Polaris at western elongation in accordance with the instructions in the Manual,and mark a point in the line thus determined by a tack driven in a wodden peg set in the ground 5 chs.N.of my station.

At 7 h.a.m.I lay off the azimuth of Polaris 1°36'to the east,and mark the meridian thus determined by cutting a cross on a stone firmly set in the ground east of the mark established early this morning.

The magnetic bearing of the true meridian is N.16°35'W. which gives the magnetic decl.16°35'E.

From the sec.cor.I run

N.0°01'W.bet.secs.35 and 36

Descend over mountainous land over huge sandstone boulders.

10.00 Top of sandstone cliff,bears E.and W.

Descend abruptly over broken sandstone ledges.

19.00 Bottom of gulch 400 ft.deep,course E.

Ascend abruptly.

40.00 Set a sandstone 24x10x6 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.

43.00 Begin more gradual ascent.

68.00 Ascend abruptly over huge sandstone boulders and ledges

80.00 Set a sandstone 16x10x8 ins.11 ins.in the ground for cor.of secs.25,26,35,and 36,marked with 1 notch on the S.and E.edge;and raise a mound of stone 2 ft.base $1\frac{1}{2}$ ft high W.of cor. Pits impracticable.

Land mountainous.

SUBDIVISIONS OF T.4 N.R.4 W.

Chains	
	Soil rocky;3d and 4th rate.
	No timber.
	Mountainous land on 80.00 chs.
	From this corner Emmons Peak having an elevation of 13624 ft.above sea level,bears N.44°W.41 chs.dist.

	N.89°51'E.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.7 lks.N.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
	Along south slope of high ridge,over huge sandstone boulders and slide rock;ascend.
40.08	Set a sandstone 15x8x6 ins.10 ins.in the ground for $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on N.face;and raise a mound of stone 2 ft.base $1\frac{1}{2}$ ft.high N.of cor.Pits impracticable.
80.16	The cor.of secs.25,26,35,and 36.
	Land mountainous.
	Soil rocky;3d and 4th rate.
	No timber.
	Mountainous land on 80.16 chs.

	N.0°01'W.bet.secs.25 and 26
	Over broken sandstone ledges and slide rock;ascend.
30.00	Ascend abruptly.
40.00	Set a sandstone 15x8x8 ins.10 ins.in the ground for $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on W.face;and raise a mound of stone 2 ft.base $1\frac{1}{2}$ ft.high W.of cor.Pits impracticable.
	This cor.falls on a rocky ridge bearing NW.and SE.
	From this point the ground slopes abruptly to the east.
	Descend.
44.00	Begin abrupt descent over slide rock.
62.00	Leave slide rock,and descend abruptly over broken sand-

SUBDIVISIONS OF T.4 N.,R.4 W.

CHAINS

stone ledges,bearing NW.and SE.

80.00 Set a sandstone,18x10x6 ins.,12 ins.in the ground,for cor.of secs.23-24-25 and 26,marked with 2 notches on the S.and 1 notch on the E.edge;and raise a mound of stone,2 ft.base,1½ ft.high,W.of cor.

Pits impracticable.

Land,mountainous.

Soil;rocky,3rd and 4th rate.

No timber.

Mountainous land on 80.00 chs.

October 15,1903.

October 16:

N.89°54'E.on a random line bet.secs.24 and 25.

40.00 Set temp.¼ sec.cor.

80.22 Intersect E.bdy.of the Tp.,7 lks.N.of the cor.of secs. 19-24-25 and 30,heretofore described.

Thence I run

S.89°57'W.,on a true line bet.secs.24 and 25.

Ascend over rock slide and sandstone boulders.

20.50 Top of ridge bears NE.and SW.

Begin abrupt descent.

40.11 Set a sandstone,16x8x6 ins.,11 ins.in the ground,for ¼ sec.cor.,marked ¼ on N.face;and raise a mound of stone,2 ft.base,1½ ft.high,N.of cor.

Pits impracticable.

42.00 Descend gradually along N.slope of ridge over huge sandstone boulders and slide rock.

80.22 The cor.of secs.23-24-25 and 26.

Land,mountainous.

Soil;rocky,3rd and 4th rate.

No timber.

Mountainous land on 80.22 chs.

SUBDIVISIONS OF T.4 N.,R.4 W.

CHAINS	
	N.0°01'W.,bet.secs.23 and 24.
	Descend abruptly over huge sandstone boulders and rock slide.
8.00	Head of gulch drains NE.
22.00	Ascendabruptly along east slope of ridge,bearing NE.and SW., over broken sandstone ledges.
40.00	Point for ¼ sec.cor.falls on a sandstone rock in place, 2x2x1 ft.above ground;cut a cross(x)at exact cor.point, for ¼ sec.cor.,marked ¼ on W.side of cross;and raise a mound of stone,2 ft.base,1½ ft.high,W.of cor.
	Pits impracticable.
50.00	Enter heavy pine timber,bearing NE.and SW.
51.00	Top of ridge bears NE.and SW.
	Begin abrupt descent over broken sandstone ledges.
74.00	Creek,10 lks.wide,8 ins.deep,in bottom of gulch,course NE.
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 the S.and 1 notch on the E.edge;from which
	A pine,9 ins.diam.,bears N.23°30'E.,72 lks.dist., marked T 4 N R 4 W S 13 B T.
	A pine,7 ins.diam.,bears S.66°E.,47 lks.dist., marked T 4 N R 4 W S 24 B T.
	A pine,11 ins.diam.,bears S.53°W.,48 lks.dist., marked T 4 N R 4 W S 23 B T.
	A pine,14 ins.diam.,bears N.32°W.,20 lks.dist., marked T 4 N R 4 W S 14 B T.
	Land,mountainous.
	Soil;rocky,3rd and 4th rate.
	Timber,pine.
	Mountainous or heavily timbered land on 80.00 chs.

	N.89°57'E.,on a random line bet.secs.13 and 24.
40.00	Set temp.¼ sec.cor.
80.04	Intersect E.bdy.of the Tp.,3 lks.N.of the cor.of secs.

SUBDIVISIONS OF T.4 N.,R.4 W.

CHAINS	
	13-18-19 and 24,heretofore described.
	Thence I run
	S.89°58'W.,on a true line
	bet.secs.13 and 24.
	Descend through heavy pine timber,over rocky land.
32.00	Leave heavy and enter scattering pine timber.
32.50	To E.edge of lake,bearing N.and S.,area about2 acres.
	To pass lake
	Offset S.,3 chs.,
	Thence S.89°58'W.,on offset line,4.50 chs.
	Thence N.,3.00 chs.to true line.
37.00	W.edge of lake,bears N.and S.
40.02	Set a sandstone,14x8x6 ins.,9 ins.in the ground,for
	¼ sec.cor.,marked ¼ on N.face;from which
	A pine,10 ins.diam.,bears N.2.37 chs.dist.,
	marked ¼ S 13 B T.
	A pine,10 ins.diam.,bears S.80°W.,2.58 chs.dist.,
	marked ¼ S 24 B T.
41.50	Enter heavy pine timber,bearing N.and S.
62.00	Top of rocky spur projects NE.
	Begin abrupt descent.
67.50	Creek,12 lks.wide,8 ins.deep,in bottom of gulch,200 ft.
	below top of spur,course NE.
	Begin gradual ascent.
80.04	The cor.of secs.13-14-23 and 24.
	Land,mountainous.
	Soil;rocky,3rd and 4th rate.
	Timber,pine.
	Mountainous and heavily timbered land on 80.04 chs.

Oct.16,1904.

Oct.17:

N.0°01'W.,bet.secs.13 and 14.

Ascend over rocky land through heavy pine timber.

26.00 Top of spur projects E.

SUBDIVISIONS OF T.4 N.,R.4 W.

CHAINS	
	Descend over huge sandstone boulders and slide rock.
30.00	Leave slide rock.
40.00	Set a sandstone,17x8x7 ins.,11 ins.in the ground,for $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on W.face;from which
	A pine,11 ins.diam.,bears S.54°E.,19 lks.dist., marked $\frac{1}{4}$ S 13 B T.
	A pine,10 ins.diam.,bears N.89°W.,40 lks.dist., marked $\frac{1}{4}$ S 14 B T.
44.50	Creek,20 lks.wide,12 ins.deep,in bottom of gulch,500 ft. deep,course E.
	Begin abrupt ascent.
48.00	Top of spur projects SE.
	Descend. Leave heavy timber.
57.25	Spring branch,4 lks.wide,2 ins.deep,in bottom of hollow, 200 ft.deep,course SE.
	Begin gradual ascent. Enter scattering pine timber.
80.00	Set a sandstone,20x8x4 ins.,15 ins.in the ground,for cor.of secs.11-12-13 and 14,marked with 4 notches on the S.and 1 notch on the E.edge;from which
	A pine,10 ins.diam.,bears N.75°E.,2.39 chs.dist., marked T 4 N R 4 W S 12 B T.
	A pine,5 ins.diam.,bears S.41°E.,1.05 chs.dist., marked T 4 N R 4 W S 13 B T.
	A pine,14 ins.diam.,bears N.18°W.,2.98 chs.dist., marked T 4 N R 4 W S 11 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 impracticable.
	Land,mountainous.
	Soil;rocky,3rd and 4th rate.
	Timber,pine.
	Mountainous or heavily timbered land on 80.00 chs.

SUBDIVISIONS OF T.4 N.,R.4 W.

CHAINS

N.89°58'E.on a random line bet.secs.12 and 13.

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

80.12 Intersect E.bdy.of the Tp.,7 lks.N.of the cor.of secs. 7-12-13 and 18,heretofore described.

Thence I run

N.89°59'W.,on a true line bet.secs.12 and 13.

Descend over mountainous land over heavy slide rock.

6.00 Leave slide rock.

10.00 Enter heavy pine timber,bearing NW.and SE.

36.00 Bottom of hollow,300 ft.below sec.cor.,course SE.

Ascend.

40.06 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 pine,6 ins.diam.,bears N.60°W.,16 lks.dist., marked $\frac{1}{4}$ S 12 B T.

A pine,15 ins.diam.,bears S.42°W.,20 lks.dist., marked $\frac{1}{4}$ S 13 B T.

43.00 Leave timber.

Ascend abruptly over slide rock.

54.00 Leave slide rock.

Enter scattering pine timber.

63.00 Top of spur projects SE.

Descend.

80.12 The cor.of secs.11-12-13 and 14.

Land,mountainous.

Soil;rocky,3rd and 4th rate.

Timber,pine.

Mountainous or heavily timbered land on 80.12 chs.

October 17,1903.

On account of heavy snows,in the higher altitudes,I abandon work for the season,at this point.

Oct.18,1903.

From the cor.of secs.2-3-34 and 35,heretofore described

SUBDIVISIONS OF T.4 N.,R.4 W.

CHAINS	
	on the S.bdy.of the Tp.,I run
	N.0°02'W.,bet.secs.34 and 35.
	Along the west slope of a rocky ridge,over slide rock and broken sandstone ledges,descend.
9.00	Begin abrupt descent.
22.00	Ascend along a rocky west slope.
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;and raise a mound of stone,2 ft.base,$1\frac{1}{2}$ ft.high,W.of cor.
	Pits impracticable.
41.00	Descend along west slope of ridge
68.00	Begin abrupt descent over broken sandstone ledges,bearing NE.and SW.
80.00	Set a sandstone,18x8x6 ins.,12 ins.in the ground,for cor.of secs.26-27-34 and 35,marked with 1 notch on the S.and 2 notches on the E.edge;and raise a mound of stone,2 ft.base,$1\frac{1}{2}$ ft.high,W.of cor.
	Pits impracticable.
	Land,mountainous.
	Soil;rocky,3rd and 4th rate,
	No timber.
	Mountainous land on 80.00 chs.

	N.89°51'E.on a random line bet.secs.26 and 35.
40.00	Set temp.$\frac{1}{4}$ sec.cor.
80.26	Intersect N.and S.line,7 lks.S.of the cor.of secs.25-26-35 and 36.
	Thence I run
	S.89°48'W.,on a true line
	bet.secs.26 and 35.
	Over mountainous land and broken sandstone ledges, ascend abruptly.
40.13	Point for $\frac{1}{4}$ sec.cor.,falls on a sandstone rock in place

SUBDIVISIONS OF T.4 N.,R.4 W.

CHAINS	
	4x2x2 ft.above ground;cut a cross(x)at exact cor.point, for ¼ sec.cor.,marked ¼ on N.side of cross;and raise a mound of stone,2 ft.base,1½ ft.high,N.of cor.
	Pits impracticable.
41.00	Begin more gradual ascent.
46.00	Top of mountain divide,over 13,000 ft.above sea level, between Lake Fork and Uintah River Canons,bears N.and S.
	Descend.
50.00	Begin abrupt descent.
71.00	Top of broken sandstone ledges bears NE.and SW.
	Begin more abrupt descent.
80.26	The cor.of secs.26-27-34 and 35.
	Land,mountainous.
	Soil;rocky,3rd and 4th rate.
	Timber,none.
	Mountainous land on 80.26 chs.

	N.0°02'W.,bet.secs.26 and 27.
	Along west slope of ridge,over huge sandstone boulders and slide rock,descend abruptly.
38.00	Descend gradually,in bottom of hollow.
40.00	In bottom of broad hollow,1000 ft.below sec.cor.,course W.,
	Set a sandstone,17x6x6 ins.,11 ins.in the ground,for ¼ sec.cor.,marked ¼ on W.face;and raise a mound of stone, 2 ft.base,1½ ft.high,W.of cor.
	Pits impracticable.
46.00	Leave bottom of hollow
	Ascend abruptly over sandstone ledges,bearing E.and W.
80.00	On top of mountain divide bet.Lake Fork and Uintah River Canons,bearing NW.and SE.,
	Set a sandstone,18x8x8 ins.,12 ins.in the ground,for cor.of secs.22-23-26 and 27,marked with 2 notches on the S.and E.edges;and raise a mound of stone,2 ft.base,1½ ft.

SUBDIVISIONS OF T.4 N.,R.4 W.

CHAINS	
	high,W.of cor.
	Pits impracticable.
	Land,mountainous.
	Soil;rocky,3rd and 4th rate.
	Timber,none.
	Mountainous land on 80.00 chs.
	Oct.18,1903.

	Oct.19:
	N.89°48'E.on a random line bet.secs.23 and 26.
40.00	Set temp.$\frac{1}{4}$ sec.cor.
80.12	Intersect N.and S.line,16 lks.N.of the cor.of secs. 23-24-25 and 26.
	Thence I run
	S.89°55'W.,on a true line
	bet.secs.23 and 26.
	Ascend along N.slope of ridge,over huge sandstone boulders
11.50	Perpendicular sandstone ledges bearN.and S.
40.06	Point for $\frac{1}{4}$ sec.cor.falls on a sandstone rock in place, 3x2x2 ft.above ground;cut a cross (x) at exact cor'point, for $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on N.side of cross;and raise a mound of stone,2 ft.base,$1\frac{1}{2}$ ft.high,N.of cor.
	Pits impracticable.
46.00	Top of rocky ridge bears NE.and SW.
	Begin abrupt descent.
55.00	Head of gulch,course N.
	Ascend.
59.00	Ascend abruptly over broken sandstone ledges.
80.12	The cor.of secs.22-23-26 and 27.
	Land,mountainous.
	Soil;rocky,3rd and 4th rate.
	No timber.
	Mountainous land on 80.12 chs.

SUBDIVISIONS OF T.4 N.,R.4 W.

CHAINS

N.0°02'W.,bet.secs.22 and 23.

Over mountainous land descend along top of spur,over huge sandstone boulders and slide rock.

10.00 Leave top of spur projecting NE.

40.00 Point for ¼ sec.cor.,falls on a rock in place,3x2x2 ft. above ground;cut a cross(x)at exact cor.point,for ¼ sec.cor.,marked ¼ on W.side of cross;and raise a mound of stone,2 ft.base,1½ ft.high,W.of cor.

Pits impracticable.

64.40 Bottom of gulch,1200 ft.below top of ridge at sec.cor., course NE.

scend.

76.10 Top of ridge bears NE.and SW.

escend.

78.65 Point for witness.cor.falls on a sandstone rock in place 4x4x2 ft.above ground;cut a cross (x) at exact cor.point, for witness cor.to cor.of secs.14-15-22 and 23,marked W C on NE.,with 3 grooves on the S.and 2 grooves on the E.side of cross;and raise a mound of stone,2 ft.base,1½ ft.high,W.of cor.

80.00 Point for true cor.of secs.14-15--22 and 23 falls on loose slide rock and cannot be set.

Land,mountainous.

Soil;rocky,3rd and 4th rate.

No timber.

Mountainous land on 80.00 chs.

N.89°55'E.on a random line bet.secs.14 and 23.

40.00 Set temp.¼ sec.cor.

79.90 Intersect N.and S.line,7 lks.N.of the cor.of secs. 13-14-23 and 24.

Thence I run

S.89°58'W.,on a true line bet.secs.14 and 23.

SUBDIVISIONS OF T.4 N.,R.4 W.

CHAINS	
	Ascend through heavy pine timber.
8.00	Leave timber,bearing NE,and SW.
	Enter dense fir undergrowth. Descend gradually.
25.00	To E.edge of lake,area about 18 acres,bearing N.and S.
	To pass lake,I offset
	N.,8.00 chs.;thence on offset line
	S.89°58'W.,14.95 chs.,to
39.95	Point for ¼ sec.cor.,falls in lake and cannot be set.
	Continue on offset line,3.85 chs.,to
43.80	Offset S.,8.00 chs.to true line.
	To West edge of lake,bearing N.and S. Ascend.
	Set a sandstone,15x9x7 ins.,10 ins.in the ground,for
	witness cor.to ¼ sec.cor.,marked WC ¼ on N.face;
	from which
	A lone pine,6 ins.diam.,bears N.70°W.,60 lks.dist
	marked W C ¼ S 14 B.T. No other trees within limits
	raise a mound of stone 2 ft.base,1½ ft.high,N.of cor.
	Pits impracticable.
45.00	Leave dense undergrowth. Enter heavy pines,bearing N.& S.
66.00	Leave timber.
75.00	Top of ridge bears NE.and SW. Descend.
79.90	The cor.of secs.14-15-22 and 23.
	Land,mountainous.
	Soil;rocky,3rd and 4th rate.
	Timber,pine.
	Mountainous or heavily timbered land or dense under
	growth on 79.90 chs.
	Oct.19,1903.

SUBDIVISIONS OF T.4 N.,R.4 W.

CHAINS	
	Oct 20:
	N.0°02'W.,bet.secs.14 and 15.
	Descend abruptly over sandstone boulders and slide rock, through heavy pine timber.
35.80	To S.edge of lake,NE.and SW. Point for triangulation.
	Set a sandstone,18x8x4 ins.,12 ins.in the ground,for meander cor.of fractional secs.14 and 15,with 4 grooves on S.face,marked
	M C on N.face;from which
	A pine,24 ins.diam.,bears N.49°30'E.,41 lks.dist., marked T 4 N R 4 W S 14 M C.B T.
	A pine,16 ins.diam.,bears S.22°W.,1.49 chs.dist., marked T 4 N R 4 W S 15 M C B T.
	To determine dist.across lake,I set a flag on line,on N.edge;then measure a base,N.89°58'E.,25.00 chs.to point from which the flag bears N.49°04'W.;from the flag the E.end of the base bears S.49°02'E.;therefore the dist.is tan.40°58'X base,or 0.86827X 25.00,equals 21.71,which added to 35.80 makes
57.51	To N.edge of lake,bearing NE.and SW.
	Set a sandstone,20x8x6 ins.,15 ins.in the ground,for meander cor.of fractional secs.14 and 15,marked M C on S.,with 2 grooves on N.face;and raise a mound of stone,2 ft.base,1½ ft.high,N.of cor.
	Pits impracticable.
	Ascend over rocky land through dense fir undergrowth.
68.00	Begin abrupt ascent over slide rock.
80.00	Point for cor.of secs.10-11-14 and 15,and cannot be set.
1829 / 21.71	Set a flag on line at true point for cor.
	Land;mountainous.
	Soil,rocky,3rd and 4th rate.
	Timber,pine.
	Mountainous or heavily timbered land or dense undergrowth on 58.29 chs.

SUBDIVISIONS OF T.4 N.,R.4 W.

CHAINS	
	From flag,set attrue point for cor.of secs.10-11-14 and 15, I run
	N.89°58'E.on a random line bet.secs.11 and 14.
40.00	Set temp.$\frac{1}{4}$ sec.cor.
80.10	Intersect N.and S.line,12 lks.N.of the cor.of secs. 11-12-13 and 14.
	Thence I run
	N.89°57'W.,on a true line bet.secs.11 and 14.
	Descend over rocky land.
2.00	Bottom of hollow,100 ft.deep,course SW.
	Ascend.
7.00	Enter heavy pine timber,bearing NE.and SW.
20.00	Top of low ridge bears N.and S.
	Descend.
40.05	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 pine,6 ins.diam.,bears N.4°W.,40 lks.dist., marked $\frac{1}{4}$ S 11 B T.
	A pine,18 ins.diam.,bears S.21°E.,55 lks.dist., marked $\frac{1}{4}$ S.14 B T.
45.00	Bottom of hollow,100 ft.deep,course S.
	Ascend.
72.00	Leave timber.
	Enter dense fir undergrowth.
79.00	Top of small spur projects SE.
	Set a sandstone,18x12x4 ins.,12 ins.in the ground,for witness cor.to cor.of secs.10-11-14-15,marked WC on NE.face;and raise a mound of stone,2 ft.base,1½ ft.high, W.of cor.
	Pits impracticable.
80.10	To flag on line at true point for cor.of secs. 10-11-14 and 15.
	Land,mountainous.
	Soil:rocky,3rd and 4th rate.

SUBDIVISIONS OF T.4 N.,R.4 W.

CHAINS	
	Mountainous land or heavily timbered or dense under growth on 80.10 chs.
	Oct.20,1903.

	On account of heavy snows in higher altitudes,I abandon work for season at this point.

	Oct.21,1903.
	From the true point for cor.of secs.3-4-33 and 34,on the S.bdy.of the Tp.,heretofore described,I run
	N.0°02'W.,bet.secs.33 and 34.
	Ascend abruptly over large sandstone boulders and slide rock.
9.00	Top of spur projects SW. Descend.
	Set a sandstone,16x12x8 ins.,11 ins.in the ground,for witness cor.to cor.of secs.3-4-33-34,marked WC on NE. face;with 3 notches on the E.and W.edges;and raise a moun of stone,2 ft.base,1½ ft.high,W.of cor.
	Pits impracticable.
34.00	Bottom of hollow,200 ft.deep,course SW.
	Ascend.
40.00	Set a sandstone,18x8x8 ins.,12 ins.in the ground,for ¼ sec.cor.,marked ¼ on W.face;and raise a mound of stone,2 ft.base,1½ ft.high,W.of cor.Pits impracticable.
48.00	Top of ridge course NE.and SW.
4[illegible].00	Enter heavy pine timber,bearing E.and W.
80.00	Set a sandstone,18x12x12 ins.,12 ins.in the ground,for cor.of secs.27-28-33 and 34,marked with 1 notch on the S. and 3 notches on the E.edge;from which
	A pine,12 ins.diam.,bears N.38°E.,52 lks.dist., marked T 4 N R 4 W S 27 B T.
	A pine,16 ins.diam.,bears S.9°45'E.,20 lks.dist., marked T 4 N R 4 W S 34 B T.
	A pine,10 ins.diam.,bears S.34°15'W.,58 lks dist.,

SUBDIVISIONS OF T.4 N.,R.4 W.

CHAINS	
	marked.T 4 N R 4 W S 33 B T.
	A pine,14 ins.diam.,bears N.38°W.,52 lks.dist.,
	marked T 4 N R 4 W S 28 B T.
	Land,mountainous.
	Soil;rocky,3rd and 4th rate.
	Timber,pine.
	Mountainous or heavily timbered land on 80.00 chs.

	N.89°51'E.,on a random line bet.secs.27 and 34.
40.00	Set temp.$\frac{1}{4}$ sec.cor.
80.08	Intersect N.and S.line,21 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 huge sandstone boulders and slide rock,descend abrupt-
	ly.
40.04	Point for $\frac{1}{4}$ sec.cor.,falls on a rock in place;cut a
	cross(x)at exact cor.point,for $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on
	N.side of cross;and raise a mound of stone,2 ft.base,
	$1\frac{1}{2}$ ft.high,N.of cor.
	Pits impracticable.
48.00	Top of ledges bears NE.and S.
	Begin abrupt descent.
50.00	Enter heavy pine timber,bearing NE.and SW.
	Begin more gradual descent.
80.08	The cor.of secs.27-28-33 and 34.
	Land,mountainous.
	Soil;rocky,3rd and 4th rate.
	Timber,pine.
	Mountainous or heavily timbered land on 80.08 chs.

	N.0°02'W.,bet.secs.27 and 28.
	Ascend over mountainous land through heavy pine timber.

SUBDIVISIONS OF T.4 N.,R.4 W.

CHAINS

24.00 East edge of lake,area about 8 acres,bears W.,10.00 chs. dist.

Top of spur projects W.

Descend.

29.00 Bottom of hollow,100 ft.deep,course W.

Ascend.

40.00 Set a sandstone,18x12x4 ins.,12 ins.in the ground,for ¼ sec.cor.,marked ¼ on W.face;from which

A pine,8 ins.diam.,bears N.82°30'E.,30 lks.dist., marked ¼ S 27 B T.

A pine,14 ins.diam.,bears N.88°W.,32 lks.dist., marked ¼ S 28 B T.

45.00 Leave heavy timber,bearing E.and W.

60.00 Begin abrupt ascent over huge sandstone boulders and broken sandstone ledges,bearing E.and W.

80.00 On top of ridge bearing NE.and SW.,

Point for cor.falls on a rock in place,4x3x2 ft.above ground;cut a cross (x) at exact cor.point,for cor.of secs.21-22-27 and 28,marked with 2 grooves on the S.and 3 grooves on the E.side;and raise a mound of stone, 2 ft.base,1½ ft.high,W.of cor.

Pits impracticable.

Land,mountainous.

Soil;rocky,3rd and 4th rate.

Timber,pine.

Mountainous or heavily timbered land on 80.00 chs.

Oct.21,1903.

Oct.22:

East on a random line bet.secs.22 and 27.

40.00 Set temp.¼ sec.cor.

79.96 Intersect N.and S.line,7 lks.S.of the cor.of secs. 22-23-26 and 27.

Thence I run

S.89°57'W.,on a true line

SUBDIVISIONS OF T.4 N.,R.4 W.

CHAINS	
	Bet.secs.22 and 27.
	Descend over huge sandstone boulders and slide rock,along south slope of mountain.
37.00	Ascend.
39.98	Set a sandstone,15x10x6 ins.,10 ins.in the ground,for $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on N.face;and raise a mound of stone, 2 ft.base,$1\frac{1}{2}$ ft.high,N.of cor.
	Pits impracticable.
73.00	Ascend abruptly to top of ridge.
79.96	The cor.of secs.21-22-27 and 28.
	Land,mountainous.
	Soil;rocky,3rd and 4th rate.
	No timber,
	Mountainous land on 79.96 chs.

	N.0°02'W.,bet.secs.21 and 22.
	Ascend along top of ridge over heavy slide rock and huge sandstone boulders.
24.00	Top of Divide bet.Lake Fork and Uintah River Canons bears NW.and SE.
	Thence along east slope of mountain. Descend.
38.00	Ascend.
40.00	Point for $\frac{1}{4}$ sec.cor.,falls on a rock in place,4x3x3 ft. above ground;cut a cross(x)at exact cor.point,for $\frac{1}{4}$ sec. cor.,marked $\frac{1}{4}$ on W.side;and raise a mound of stone, 2 ft.base,$1\frac{1}{2}$ ft.high,W.of cor.
	Pits impracticable.
55.00	Top of ridge bears NE.and SW.
	Descend.
61.00	Descend abruptly over slide and broken sandstone ledges.
80.00	Point for cor.falls on a sandstone rock inplace,3x2x1 ft.above ground;cut a cross(x) at exact cor.point for cor.of secs.15-16-21 and 22,marked
	4 N on NE.

4 W on SE.;with 3 grooves on the S.
and E.side of cross;and raise a mound of stone,2 ft.
base,1½ ft.high,W.of cor.
Pits impracticable.
Land,mountainous.
Soil;rocky,3rd and 4th rate.
No timber.
Mountainous land on 80.00 chs.

N.89°57'E.on a random line bet.secs.15 and 22.

40.00 Set temp.¼ sec.cor.

80.20 Intersect N.and S.line,7 lks.N.of the cor.of secs.
14-15-22 and 23.

Thence I run

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

Ascend along N.slope of rocky ridge,over broken
sandstone ledges and slide rock.

40.10 Point for ¼ sec.cor.falls on a sandstone rock in place,
4x3x2 ft.above ground;cut a cross(x)at exact cor.point,
for ¼ sec.cor.,marked ¼ on N.side of cross;and raise a
mound of stone,2 ft.base,1½ ft.high,N.of cor.
Pits impracticable.

80.20 The cor.of secs.15-16-21 and 22.
Land,mountainous.
Soil;rocky,3rd and 4th rate.
No timber.
Mountainous land on 80.20 chs.

Oct.22,1903.

Oct.23,1903.

N.0°02'W.,bet.secs.15 and 16.

SUBDIVISIONS OF T.4 N.,R.4 W.

CHAINS	
	Descend abruptly over broken sandstone ledges and slide rock.
36.00	Foot of abrupt descent bears E.and W.
	Descend less abruptly
37.90	Set a sandstone,16x9x7 ins.,11 ins.in the ground,for witness cor.to ¼ sec.cor.,marked WC ¼ on W.face;and raise a mound of stone,2 ft.base,1½ ft.high,W.of cor.
	Pits impracticable.
38.50	To S.edge of lake,bearing E. and W..
	To pass lake,I offset
	E.,8.00 chs.;thence on offset line
	N.0°02'W.,16.50 chs.to
55.00	Offset W.,8.00 chs.to true line.
	N.edge of lake bears E.and SW.
	Ascend.
68.00	Descend.
74.00	Bottom of creek,20 lks.wide,4 ins.deep,in bottom of hollow,100 ft.deep,course W.
	Ascend.
80.00	Set a sandstone,17x9x7 ins.,11 ins.in the ground,for cor.of secs.9-10-15 and 16,marked with 3 notches on the E.and 4 notches on the S.edge;and raise a mound of stone,2 ft.base,1½ ft.high,W.of cor.
	Pits impracticable.
	Land,mountainous.
	Soil;rocky,3rd and 4th rate
	No timber.
	Mountainous land on 80.00 chs.

SUBDIVISIONS OF T.4 N.,R.4 W.

CHAIN.

East on a random line bet.secs.10 and 15.

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

80.06 Intersect N.and S.line,5 lks.N.of the cor.of secs. 10-11-14 and 15.

Thence I run

N.89°58'W.,on a true line bet.secs.10 and 15.

Descend through dense fir undergrowth over rocky land.

25.00 Spring branch,10 lks.wide,4 ins.deep,in bottom of hollow, 200 ft.below top of spur,course east to SE.

Thence along bottom of hollow.

Ascend gradually.

39.70 Same stream,10 lks.wide,4 ins.deep,course NE.to east,

Leave bottom of hollow,course NE.to east.

Ascend.

40.03 Set a sandstone,16x6x6 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.

Pits impracticable.

77.00 Top of small spur projects SE.

Descend.

80.06 The cor.of secs.9-10-15 and 16.

Land,mountainous.

Soil;rocky,3rd and 4th rate.

No timber.

Mountainous land and dense undergrowth on 80.06 chs.

Oct.23,1903.

On account of heavy snows in the higher altitudes,I abandon work for the season at this point.

SUBDIVISIONS OF T.4 N.,R.4 W.

CHAINS	
	Oct.24,1903.
	At the cor.of secs.4-5-32 and 33,on the S.bdy.of the Tp., heretofore described,in approximate latitude,40°42'N., longitude,110°22'W.;at 5h 15m a.m.,l.m.t.,I observe Polaris at western elongation,in accordance with the Manual of Instructions,and mark a point in the line thus determined,by a tack driven in a wooden peg,set in the ground,5 chs.N.of my station.
	At 7h a.m.,I lay off the azimuth of Polaris,1°36'to the east,and mark the meridian thus determined by cutting a cross on a stone firmly set in the ground,east of the mark established early this morning.
	The magnetic bearing of the true meridian is N.16°35'W., which gives the magnetic decl.,16°35'E.
	From the sec.cor.,I run
	N.0°03'W.,bet.secs.32 and 33.
	Ascend over mountainous land through heavy pine timber.
40.00	Set a sandstone,15x6x6 ins.,10 ins.in the ground,for ½ sec.cor.,marked ¼ on W.face;from which
	A pine,16 ins.diam.,bears S.28°45'E.,40 lks.dist., marked ¼ S 33 B T.
	A pine,20 ins.diam.,bears S.3°45'W.,32 lks.dist., marked ¼ S 32 B T.
56.00	Enter scattering pine timber.
80.00	Set a sandstone,14x12x6 ins.,9 ins.in the ground,for cor.of secs.28-29-32 and 33,marked with 1 notch on the S.and 4 notches on the E.edge;from which
	A pine,12 ins.diam.,bears N.73°E.,25 lks.dist., marked T 4 N R 4 W S 28 B T.
	A pine,12 ins.diam.,bears S.51°30'E.,10 lks.dist., marked T 4 N R 4 W S 33 B T.
	A pine,10 ins.diam.,bears S.76°10'W.,50 lks.dist., marked T 4 N R 4 W S 32 B T.
	A pine,8 ins.diam.,bears N.56°10'W.,1.15 chs.dist.,

SUBDIVISIONS OF T.4 N.,R.4 W.

CHAINS

marked T 4 N R 4 W S 29 B T.

Land,mountainous.

Soil;rocky,3rd and 4th rate.

Timber,pine.

Mountainous or heavily timbered land on 80.00 chs.

N.89°51'E.on a random line bet.secs.28 and 33.

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

79.88 Intersect N.and S.line,7 lks.N.of the cor.of secs. 27-28-33 and 34.

Thence I run

S.89°54'W.,on a true line bet.secs.28 and 33.

Descend over mountainous land through heavy pine timber.

24.45 Bottom of creek,10 lks.wide,6 ins.deep,in bottom of hollow,200 ft.deep,course SW.

Ascend.

39.94 Set a sandstone,16x8x6 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.

Pits impracticable.

42.00 Top of spur projects SW.

Descend.

60.75 Creek,15 lks.wide,6 ins.deep,in bottom of hollow,100 ft. deep,course S.

Ascend.

Enter scattering pine timber.

79.88 The cor.of secs.28-29-32 and 33.

Land,mountainous.

Soil;rocky,3rd and 4th rate.

Timber,pine.

Mountainous land on 79.88 chs.

SUBDIVISIONS OF T.4 N.,R.4 W.

CHAINS	
	N.0°03'W.,bet.secs.28 and 29.
	Ascend over mountainous land through scattering pine and over dead and fallen timber.
12.50	S.bank of lake,area about 10 acres,extending E.,2 chs. and W.,15 chs.,averaging 6 chs.in width,N.and S.
	To pass lake offset as follows
	E.,2.00 chs.;thence on offset line
	N.0°03'W.,4.00 chs.to
16.50	Offset W.,2.00 chs.to true line.
	To N.bank of lake,bearing NW.and SE.
	Ascend,over rolling land.
20.00	Descend.
21.35	Creek 10 lks.wide,5 ins.deep,course SE.
	Ascend.
40.00	Set a sandstone,24x8x6 ins.,18 ins.in the ground,for ½ sec.cor.,marked ¼ on W.face;and raise a mound of stone,2 ft.base,1½ ft.high,W.of cor.
	Pits impracticable.
42.00	Lake,area about 8 acres,bears W.,20.00 chs.dist.
57.00	Lake,area about 4 acres,bears W.19.00 chs.dist.
60.00	Lake,area about 6 acres,bears W.,26.00 chs.dist.
68.00	Lake,area about 4 acres,bears W.,12.00 chs.dist.
	Leave scattering pine timber.
75.25	Set a sandstone,16x12x8 ins.,11 ins.in the ground,for witness cor.to cor.of secs.20-21-28 and 29,marked W C on NE.face;marked with 4 notches on the E.and 2 notches on the S.edge;and raise a mound of stone,2 ft.base,1½ ft.high,W.of cor.
	Pits impracticable.
73.50	To S.edge of lake,area about 15 acres,bearing NE.and NW.
	To pass lake,offset as follows:
	East ,4.00 chs.,

SUBDIVISIONS OF T.4 N.,R.4 W.

CHAIN

Thence on the offset line,N.,0°03'W.,6.50 chs.to

80.00 Point for cor.of secs.20-21-28 and 29 falls in lake and cannot be set.

To edge of lake,bearing N.and S.

Land,mountainous.

Soil;rocky,3rd and 4th ra te.

Timber,pine.

Mountainous land on 80.00 chs.

Oct.24,1903.

Oct.25:

At E.edge of lake,E.,4.00 chs.dist.from true point for cor.of secs.20-21-28 and 29,I run

N.89°54'E.on a random line bet.secs.21 and 28.

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

80.16 Intersect N.and S.line,7 lks.N.of the cor.of secs. 21-22-27 and 28.

Thence I run S.89°57'W.,on a true line bet.secs.21 and 28.

Descend,abruptly over large sandstone boulders and slide rock.

27.00 Bottom of abrupt descent bears NW.and SE.

Descend gradually.

38.00 Begin abrupt descent over slide rock and sandstone ledges.

40.08 Point for $\frac{1}{4}$ sec.cor.falls on loose slide rock and cannot be set.

50.00 Bottom of abrupt descent bears NW.and SE.

Set a sandstone,18x12x6 ins.,12 ins.in the ground,for witness cor.to $\frac{1}{4}$ sec.cor.,marked WC $\frac{1}{4}$ on N.face;and raise a mound of stone,2 ft.base,1$\frac{1}{2}$ ft.high,N.of cor.

Pits impracticable.

76.16 To.E.edge of lake.

SUBDIVISIONS OF T.4 N.,R.4 W.

CHAINS	
	Set a sandstone,18x10x4 ins.,12 ins.in the ground,for witness cor.to cor.of secs.20-21-28 and 29,marked WC on NE.face;with 2 notches on the S.and 4 notches on the E.edge;and raise a mound of stone,2 ft.base,1½ ft.high W.of cor.
	Pits impracticable.
	From this cor.I offset as follows:
	N.0°03'W.,6.00 chs.;
	thence on offset line west,4.00 chs.to
80.16	On line,bet.secs.20 and 21,N.0°03'W.,of true point for cor.of secs.20-21-28 and 29,
	to N.edge of lake,bearing E.and W.
	Land,mountainous.
	Soil;rocky,3rd and 4th rate.
	No timber.
	Mountainous land on 80.16 chs.

	From point on line,N.0°03'W.,6.00 chs.dist.from true point for cor.of secs.20-21-28 and 29,I run
	N.0°03'W.,bet.secs.20 and 21.
	Ascend over mountainous land over large sandstone boulders and broken sandstone ledges.
22.00	Bottom of sandstone ledge,100 ft.high,bears NE.and SW.
	Begin abrupt ascent.
40.00	Set a sandstone,18x10x8 ins.,12 ins.in the ground,for ¼ sec.cor.,marked ¼ on W.face;and raise a mound of stone,2 ft.base,1½ ft.high,W.of cor.
	Pits impracticable.
80.00	Point for cor.falls on sandstone boulder,10x8x4 ins. above ground;cut a cross (x) at exact cor.point for cor. of secs.16-17-20 and 21,marked with 3 grooves on the S.and 4 grooves on the E.side;and raise a mound of stone,2 ft.base,1½ ft.high,W.of cor.

SUBDIVISIONS OF T.4 N.,R.4 W.

CHAIN

Pits impracticable.

Land,mountainous.

Soil;rocky,3rd and 4th rate.
No timber.
Mountainous land on 80.00 chs.

N.89°57'E.on a random line bet.secs.16 and 21.

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

80.24 Intersect N.and S.line,5 lks.S.of the cor.of secs. 15-16-21 and 22.

Thence I run

S.89°55'W.,on a true line bet.secs.16 and 21.

Over huge sandstone boulders and slide rock,along north slope of mountain divide,Ascend.

10.00 Begin abrupt ascent.

21.00 Top of mountain divide bet.Lake Fork and Uintah River Canons,bears NW.and SE.

Descend.

40.12 Point for $\frac{1}{4}$ sec.cor.,falls on a sandstone rock in place 2x2x1 ft.above ground;cut a cross (x) at exact cor. point,for $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on N.side of cross;and raise a mound of stone,2 ft.base,1$\frac{1}{2}$ ft.high,N.of cor.

Pits impracticable.

43.00 Begin abrupt descent.

50.00 Begin gradual descent.

80.24 The cor.of secs.16-17-20 and 21.

Land,mountainous.

Soil;rocky,3rd and 4th rate.

No timber.

Mountainous land on 80.24 chs.

Oct.25,1903.

Oct.26:

N.0°03'W.,bet.secs.16 and 17.

Ascend abruptly over rocky land.

SUBDIVISIONS OF T.4 N.,R.4 W.

CHAINS	
28.00	Top of rocky ridge bears NE.and SW.
	Thence along top of ridge.
	Ascend.
37.00	Top of Mountain divide bet.Lake Fork and Uintah River Canons,bears NW.and SE.
40.00	Set a sandstone,18x12x8 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.
47.00	Begin abrupt descent over huge sandstone boulders and slide rock.
80.00	Point for cor.falls on sandstone rock in place,2x2x2 ft.above ground;cut a cross (x)at exact cor.point,for cor.of secs.8-9-16 and 17,marked with 4 notches on the S.and 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;rocky,3rd and 4th rate.
	No timber.
	Mountainous land on 80.00 chs.

	N.89°55'E.on a random line bet.secs.9 and 16.
40.00	Set temp.$\frac{1}{4}$ sec.cor.
80.10	Intersect N.and S.line,7 lks.N.of the cor.of secs. 9-10-15 and 16.
	Thence I run
	S.89°58'W.,on a true line
	bet.secs.9 and 16.
	Ascend over rocky land.
4.00	To S.edge of small lake,bearing NWand SE.,area about 2 acres.
10.00	Begin abrupt ascent bearing N.and S.
26.00	Top of ridge bears NE.and SW.

SUBDIVISIONS OF T.4 N.,R.4 W.

CHAINS

Descend over broken sandstone ledges and slide rock.

40.05 Set a sandstone,16x7x6 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.

Pits impracticable.

Begin abrupt descent,bearing NE.and SW.

60.00 Bottom of hollow,100 ft.deep,course N.

Begin abrupt ascent.

64.00 Top of abrupt ascent bears NW.and SE.

Begin more gradual ascent.

80.10 The cor.of secs.8-9-16 and 17.

Land,mountainous.

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

No timber.

Mountainous land on 80.10 chs.

Oct.26,1903.

On account of heavy snows in the higher altitudes,I abandon work for the season at this point.

Oct.27:

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

N.0°04'W.,bet.secs.31 and 32.

Over rocky land through scattering live pine and over dead and fallen timber and huge sandstone boulders,ascend

15.75 Top of low spur projects E.

Descend.

19.66 To S.edge of lake,bearing NW.and SE.

Set a sandstone,15x8x6 ins.,10 ins.in the ground,for meander cor.of fractional secs.31 and 32,marked M C on N.face,with 1 groove on the S.face;and raise a mound of stone,2 ft.base,$1\frac{1}{2}$ ft.high,S.of cor.

Pits impracticable.

To pass lake,I offset as follows:

SUBDIVISIONS OF T.4 N.,R.4 W.

CHAINS	
	S.66°E.,7.00 chs.
	Thence on offset line,N.0°04'W.,16.65 chs.,
	N.66°W.,7.00 chs.to
36.31	to true line.
	N.edge of lake bears NW.and SE..
	Set a sandstone,16x12x8 ins.,11 ins.in the ground,for meander cor.of fractional secs.31 and 32,marked MC on S.face;with 5 grooves on N.face;and raise a mound of stone,2 ft.base,1½ ft.high,N.of cor.
	Pits impracticable.
40.00	Set a sandstone,15x8x6 ins.,10 ins.in the ground,for ¼ sec.cor.,marked ¼ on W.face;and raise a mound of stone,2 ft.base,1½ ft.high,W.of cor.
	Pits impracticable.
60.00	Begin abrupt ascent..
72.00	Top of ridge bears NW.and SE.
	Descend.
80.00	Point for cor.falls on a sandstone rock in place,3x2x2 ft:cut a cross(x) at exact cor.point,for cor.of secs. 29-30-31 and 32,marked with 1 groove on the S. and 5 grooves on the E.side;of cross;and raise a mound of stone,2 ft.base,1½ ft.high,W.of cor.
	Pits impracticable.
	Land,mountainous.
	Soil;rocky,3rd and 4th rate.
	Timber,pine.
	Mountainous land on 80.00 chs.

	N.89°51'E.on a random line bet.secs.29 and 32.
80.16	Intersect N.and S.line,14 lks.S.of the cor.of secs. 28-29-32 and 33.
	Thence I run
	S.89°45'W.,on a true line bet.secs.29 and 32.
	Ascend over rocky land through scattering pine timber.

SUBDIVISIONS OF T.4 N.,R.4 W.

CHAINS

24.40 Leave timber.

30.00 Set a sandstone,16x12x6 ins.,11 ins.in the ground,for witness cor.to ¼ sec.cor.,marked WC¼ on N.face;and raise a mound of stone,2 ft.base,1½ ft.high,N.of cor.
Pits impracticable.

40.00 Point for ¼ sec.cor.falls on loose slide rock,and cannot be set.

58.00 Bottom of perpendicular sandstone ledge,bears N.and S., 100 ft.high.
Begin abrupt ascent over broken sandstone ledges.

80.16 The cor.of secs.29-30-31 and 32.
Land,mountainous.
Soil;rocky,3rd and 4th rate.
Timber,pine.
Mountainous land on 80.16 chs.

S.89°51'W.,on a random line bet.secs.30 and 31.

79.40 Intersect 1st Guide Mer.W.,7 lks.S.of the cor.of secs. 25-30-31 and 36,heretofore described.
Thence I run from top of ridge,
N.89°54'E.,on a true line
bet.secs.30 and 31.
Descend abruptly over huge sandstone boulders and slide rock.

18.00 Bottom of hollow,300 ft.deep,course S.
Ascend.

27.00 Top of ridge bears NW.and SE.
Descend.

39.40 Set a sandstone,16x8x6 ins.,11 ins.in the ground, for ¼ sec.cor.,marked ¼ on N.face;and raise a mound of stone,2 ft.base,1½ ft.high,N.of cor.
Pits impracticable.

42.00 Bottom of gulch,300 ft.deep,course SE.

BOOK A-310

SUBDIVISIONS OF T.4 N.,R.4 W.

CHAINS	
60.00	Ascend abruptly over sandstone boulders and slide rock.
78.00	Top of ridge bears NW.and SE. Descend.
79.40	The cor.of secs.29-30-31 and 32.
	Land,mountainous.
	Soil;rocky,3rd and 4th rate.
	No timber.
	Mountainous land on 79.40 chs.
	Oct.27,1903.

	Oct.28:
	N.0°04'W.,bet.secs.29 and 30.
	Descend abruptly over huge sandstone boulders and slide rock.
10.00	Begin gradual ascent along.east slope of ridge.
40.00	Set a sandstone,18x10x5 ins.,12 ins.in the ground,for ¼ sec.cor.,marked ¼ on W.face;and raise a mound of stone,2 ft.base,1½ ft.high,W.of cor.
	Pits impracticable.
44.00	Begin more abrupt ascent over broken sandstone ledges and slide rock.
80.00	Point for cor.falls on a sandstone rock in place,3x2x2 ft.above ground;cut a cross (x) at exact cor.point for cor.of secs.19-20-29 and 30,marked with 2 grooves on the S.and 5 grooves on the E.side of cross;and raise a mound of stone,2 ft.base,1½ ft.high,W.of cor.
	Pits impracticable.
	Land,mountainous.
	Soil;rocky,3rd and 4th rate.
	No timber.
	Mountainous land on 80.00 chs.

	N.89°45'E.,on a random line bet.secs.20 and 29.
40.00	Set temp.¼ sec.cor.
68.00	To W.edge of lake.
	From this point I offset as follows:

SUBDIVISIONS OF T.4 N.,R.4 W.

CHAINS

S.0°03'E.6.75 chs.

Thence on temp.offset line,N.89°45'E.,12.02 chs.

80.02 Intersedt N.and S.line,3 lks.N.of the witness cor.to cor.of secs.20-21-28 and 29.

Thence I run

S.89°46'W.,on true offset line,12.02 chs.

N.0°03'W.6.75 chs.to true line at

12.02 W.edge of lake bears NE.and S.

Thence I run

S.89°46'W.,on a true line bet.secs.20 and 29.

31.00 Lake,area about 1 acre,bears N.,0.50 ch.dist.

40.01 Set a sandstone,15x12x4 ins.,10 ins.in the ground,for ¼ sec.cor.,marked ¼ on N.face;and raise a mound of stone,2 ft.base,1½ ft.high,N.of cor.

Pits impracticable.

42.00 Begin abrupt ascent over slide rock.

49.00 A perpendicular sandstone ledge bears NE.and SW.

Continue abrupt ascent over broken sandstone ledges and slide rock.

80.02 The cor.of secs.19-20-29 and 30.

Land,mountainous.

Soil;rocky,3rd and 4th rate.

No timber.

Mountainous land on 80.02 chs.

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

40.00 Set temp.¼ sec.cor.

79.32 Intersect 1st.Guide Mer.W.,13 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.

Ascend over huge sandstone boulders and slide rock.

SUBDIVISIONS OF T.4 N.,R.4 W.

CHAINS	
6.80	Top of ridge bears NE.and SW.
	Descend.
8.00	Begin abrupt descent.
39.32	Set a sandstone,14x8x6 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.
	Pits impracticable.
49.00	Bottom of gulch,400 ft.deep,course SW.
	Begin abrupt ascent.
68.50	Top of ridge bears NE.and SW.
	Descend.
79.32	The cor.of secs.19-20-29 and 30.
	Land,mountainous.
	Soil;rocky,3rd and 4th rate.
	No timber.
	Mountainous land on 79.32 chs.
	Oct.28,1903.

	Oct.29:
	N.0°04'W.,bet.secs.19 and 20.
	Ascend over mountainous land through hude sandstone boulders and over slide rock.
40.00	On top of ridge bearing NE.and SW.,
	Set a sandstone,13x10x8 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.
	Pits impracticable.
43.00	Begin abrupt descent over slide rock.
76.00	Bottom of gulch,500 ft.deep,course SW.
	Begin abrupt ascent.
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 the S.and 5 notches on the E.edge;and raise a mound of stone,2 ft.base,$1\frac{1}{2}$ ft.high,W.of cor.

SUBDIVISIONS OF T.4 N.,R.4 W.

CHAINS

Pits impracticable.

Land,mountainous.

Soil;rocky,3rd and 4th rate.

No timber.

Mountainous land on 80.00 chs.

N.89°46'E.on a random line bet.secs.17 and 20.

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

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

Thence I run

S.89°55'W.,on a true line bet.secs.17 and 20.

Over broken sandstone ledges and slide rock,ascend.

36.50 Top of ridge bears NE.and SW.

Descend.

39.94 Set a sandstone,17x10x6 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.

Pits impracticable.

43.50 Begin abrupt descent.

75.00 Bottom of hollow,700 ft.deep,course SW.

Ascend.

79.88 The cor.of secs.17-18-19 and 20.

Land,mountainous.

Soil;rocky,3rd and 4th rate.

No timber.

Mountainous land on 79.88 chs.

West on a random line bet.secs.18 and 19.

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

79.26 Intersect 1st G.Mer.W.B.,12 lks.S.of the cor.of secs.13-18-19 and 24,on top of ridge,heretofore described

4 BOOK A-310

SUBDIVISIONS OF T.4 N.,R.4 W.

CHAINS	
	Thence I run
	S.89°55'E.,on a true line
	bet.secs.18 and 19.
	Descend over huge sandstone boulders and slide rock,
	along the south slope of mountain.
39.26	Set a sandstone,18x12x8 ins.,12 ins.in the ground,for
	$\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on N.face;and raise a mound of
	stone,2 ft.base,$1\frac{1}{2}$ ft.high,N.of cor.
	Pits impracticable.
79.26	The cor.of secs.17-18-19 and 20.
	Land,mountainous.
	Soil;rocky,3rd and 4th rate.
	No timber.
	Mountainous land on 79.26 chs.
	Oct.29,1903.

	Oct.30,1904:
	N.0°04'W.,bet.secs.17 and 18.
	Over mountainous land ascend abruptly over slide rock.
40.00	Set a sandstone,18x10x10 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.
	Top of ridge bears N.and SW.
	Thence along top of ridge,ascend.
60.00	Leave top of ridge,bears NE.and S.
	Descend along west slope of ridge.
75.00	Ascend along west slope of same ridge.
80.00	Point for cor.falls on a sandstone rock in place,
	4x3x2 ft.above ground;cut a cross(x)at exact cor.point,
	for cor.of secs.7-8-17 and 18,marked with 4 grooves on
	the S., and 5 grooves on the E.side of cross;and raise
	a mound of stone,2 ft.base,$1\frac{1}{2}$ ft.high,W.of cor.
	Pits impracticable.
	Land,mountainous.

SUBDIVISIONS OF T.4 N.,R.4 W.

CHAIN.

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

No timber.

Mountainous land on 80.00 chs.

N.89°55'E.,on a random line bet.secs.8 and 17.

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

79.96 Intersect N.and S.line,7 lks.S.of the cor.of secs. 8-9-16 and 17.

Thence I run

S.89°52'W.,on a true line bet.secs.8 and 17.

Over mountainous land ascend abruptly over slide rock and broken sandstone ledges.

24.00 Top of mountain divide bet.Lake Fork and Uintah River Canons,bears NW.and SE.

Descend.

31.00 Begin abrupt descent.

39.98 Point for $\frac{1}{4}$ sec.cor.,falls on a sandstone rock in place, 3x2x2 ft.above ground;cut a cross (x) at exact cor.point, for $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on N.side of cross;and raise a mound of stone,2 ft.base,$1\frac{1}{2}$ ft.high,N.of cor.

Pits impracticable.

50.00 Head of gulch,course S.

Begin abrupt ascent.

65.00 Top of ridge bears NE.and SW.

Descend.

79.96 The cor.of secs.7-8-17 and 18.

Land,mountainous.

Soil;rocky,3rd and 4th rate.

No timber.

Mountainous land on 79.96 chs.

BOOK A-310

SUBDIVISIONS OF T.4 N.,R.4 W.

CHAINS	
	N.89°55'W.on a random line bet.secs.7 and 18.
40.00	Set temp.$\frac{1}{4}$ sec.cor.
79.06	Intersect 1st Guide Mer.W.,10 lks.N.of the cor.of secs. 7-12-13 and 18,heretofore described.
	Thence I run
	S.89°59'E.,on a true line
	bet.secs.7 and 18.
	Over mountainous land ascend abruptly over slide rock.
17.00	Top of ledges,100 ft.high,bears NW.and SE.
	Thence along S.slope of high ridge,over slide rock and broken sandstone ledges,ascend.
39.06	Point for $\frac{1}{4}$ sec.cor.,falls on a sandstone rock in place, 4x3x1 ft.above ground;cut a cross(x) at exact cor.point, for $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on N.side of cross;and raise a mound of stone,2 ft.base,1$\frac{1}{2}$ ft.high,N.of cor.
	Pits impracticable.
46.00	Top of perpendicular sandstone ledges bears NE.and SW.
	Descend.
60.00	Head of hollow,course SW.
	Ascend.
69.00	Bottom of perpendicular sandstone ledges,bears NW.and SE.
	Ascend abruptly over slide rock and broken sandstone ledges.
79.06	The cor.of secs.7-8-17 and 18.
	Land,mountainous.
	Soil;rocky,3rd and 4th rate.
	No timber.
	Mountainous land on 79.06 chs.
	Oct.30,1903.
	On account of heavy snows in the higher altitudes,I abandon work for the season at this point.

SUBDIVISIONS OF T.4 N.,R.4 W.

CHAINS

Survey commenced June 27,1904,and executed with the instrument described in book "6" of this survey.

At the cor.of secs.11-12-13 and 14,in latitude 40°45'N.,longitude,110°19'W.;at 1h 05m a.m.,l.m.t., I observe Polaris at eastern elongation,in accordance with the Manual of Instructions,and mark a point in the line thus determined,by a tack driven in a wooden peg, set in the ground,5 chs.N.of my station.

At 7h a.m.,I lay off the azimuth of Polaris,1°36'to the west,and mark the meridian thus determined,by cutting a cross on a stone firmly set in the ground,west of the mark established early this morning.

The magnetic bearing of the true meridian is N.16°35'W., which gives the magnetic decl.,16°35'E.

From the sec.cor.,I run

N.0°01'W.,bet.secs.11 and 12.

Descend over rocky land,over huge sandstone boulders, and rock slide.

2.00 Bottom of hollow,100 ft.deep,course SW.

Ascend.

40.00 Set a sandstone,16x9x5 ins.,11 ins.in the ground,for ¼ sec.cor.,marked ¼ on W.face;and raise a mound of stone,2 ft.base,1½ ft.high,W.of cor.

Pits impracticable.

60.00 Top of ridge,bears E.and W.

Descend abruptly over broken sandstone ledges and rock slide.

80.00 Set a sandstone,18x8x6 ins.,12 ins.in the ground,for cor.of secs.1-2-11 and 12,marked with 5 notches on the S.and 1 notch on the E.edge;and raise a mound of stone,2 ft.base,1½ ft.high,W.of cor.

Pits impracticable.

Land,mountainous.

Soil;rocky,3rd and 4th rate.

SUBDIVISIONS OF T.4 N.,R.4 W.

CHAINS	
	No timber.
	Mountainous land on 80.00 chs.

	S.89°59'E.on a random line bet.secs.1 and 12.
40.00	Set temp.$\frac{1}{4}$ sec.cor.
74.00	To W.edge of lake.
	I offset as follows:
	N.,0.65 chs.
	S.89°59'E.,5.96 chs.to
79.96	Intersect E.bdy.of the Tp.,5 lks.N.of the cor.of secs.1,~~16-17,and 12~~,heretofore described,
	Thence I run
	N.89°57'W.,on offset line,5.96 chs.
	S.,0.65 chs.to
5.96	To true line.
	W.edge of lake,bears NE.and S.
	Thence I run
	N.89°57'W.,on a true line
	bet.secs.1 and 12.
	Ascend over huge sandstone boulders and rock slide.
39.98	Set a sandstone,18x12x4 ins.,12 ins.in the ground,for $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on N.face;and raise a mound of stone,2 ft.base,$1\frac{1}{2}$ ft.high,N.of cor.
	Pits impracticable.
46.50	Top of ridge bears NE.and SW.
	Descend.
79.96	The cor.of secs.1-2-11 and 12.
	Land,mountainous.
	Soil;rocky,3rd and 4th rate.
	No timber.
	Mountainous land on 79.96 chs.

	N.0°01'W.,bet.secs.1 and 2.
	Descend abruptly over sandstone ledges and slide rock.

SUBDIVISIONS OF T.4 N.,R.4 W.

CHAINS

27.00 Bottom of abrupt descent bears NE.and SW.

Descend gradually over rolling land.

40.00 Set a sandstone,17x8x5 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.

Pits impracticable.

45.50 Begin more abrupt descent.

Enter heavy pine timber,bearing NE.and SW.

47.50 Creek,30 lks.wide,10 ins.deep,in bottom of canon,1500 ft.deep,course SE.

Begin gradual ascent over rolling land.

55.00 Begin gradual descent.

63.00 Creek,15 lks.wide,5 ins.deep,in same canon,course E.

Ascend.

71.00 Begin abrupt ascent from bottom of canon,bearing E.and W.

79.60 Intersect 1st Standard Parallel North,3.15 chs.E.of the standard cor.of secs.35 and 36,heretofore described.

Set a sandstone,15x9x7 ins.,10 ins.in the ground,for closing cor.of secs.1 and 2,marked C C on S.,with 1 groove on the E.and 5 grooves on the W.face;from which

A pine,12 ins.diam.,bears S.43°E.,27 lks.dist., marked T 4 N R 4 W S 1 B T.

A pine,10 ins.diam.,bears S.56°W.,49 lks.dist., marked T 4 N R 4 W S 2 B T.

Land,mountainous,and rolling.

Soil;rocky,3rd and 4th rate,35.60 chs. Sandy,3rd rate on balance. Timber,pine.

Mountainous or heavily timbered land on 79.60 chs.

June 27,1904.

June 28,1904:

From flag on line set at true point for cor.of secs.10, 11,14 and 15,

I run

SUBDIVISIONS OF T.4 N.,R.4 W.

CHAINS.

N.0°02'W.bet.secs.10 and 11.

Ascend over rocky land through dense fir undergrowth.

3.50 Top of spur projects SE. Leave undergrowth.

Descend abruptly over huge sandstone boulders and sliderock.

20.00 Bottom of abrupt descent bears NW.and SE. Descend.

36.00 Bottom of hollow,200 ft.deep,courseSE.

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;and raise a mound of stone,2 ft.base,$1\frac{1}{2}$ ft.high,W.of cor.

Pits impracticable.

50.50 Top of rocky ridge bears E.and W.

Descend over slide rock and broken snadstone ledges.

80.00 Set a sandstone,16x11x5 ins.,11 ins.in the ground,for cor.of secs.2-3-10 and 11,marked with 5 notches on the S.and 2 notches on the E.edge;and raise a mound of stone,2 ft.base,$1\frac{1}{2}$ ft.high,W.of cor.

Pits impracticable.

Land,mountainous.

Soil;rocky,3rd and 4th rate.

No timber.

Mountainous land on 80.00 chs.

S.89°57'E.on a random line bet.secs.2 and 11.

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

80.10 Intersect N.and S.line,9 lks.S.of the cor.of secs. 1-2-11 and 12.

Thence I run

S.89°59'W.,on a true line bet.secs.2 and 11.

Ascend along north slope of ridge,over huge sandstone boulders and slide rock.

40.05 Set a sandstone,14x8x6 ins.,9 ins.in the ground,for

SUBDIVISIONS OF T.4 N.,R.4 W.

CHAINS

$\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on N.face;and raise a mound of stone,2 ft.base,$1\frac{1}{2}$ ft.high,N.of cor.

Pits impracticable.

45.00 Descend along North slope of same ridge,over broken sandstone ledges and slide rock.

80.10 The cor.of secs.2-3-10 and 11.

Land,mountainous.

Soil;rocky 3rd and 4th rate.

No timber.

Mountainous land on 80.10 chs.

N.0°02'W.,bet.secs.2 and 3.

Descend abruptly over broken sandstone ledges and slide rock.

15.00 Bottom of abrupt descent bears E.and W.

Descend gradually .

22.00 Creek,30 lks.wide,10 ins.deep,in bottom of canon,course E. 2000 ft.below top of ridge,bet.secs.10 and 11.

Ascend,over rolling land,through heavy pine timber, bearing E.and W.

40.00 Set a sandstone,14x10x5 ins.,9 ins.in the ground,for $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on W.face;from which

Apine,10 ins.diam.,bears S.76°E.,18 lks.dist., marked $\frac{1}{4}$ S 2 B T.

A pine,12 ins.diam.,bears N.64°W.,20 lks.dist., marked $\frac{1}{4}$ S 3 B T.

42.50 Descend.

68.50 Creek,10 lks.wide,5 ins.deep,in same canon,course SE.

Ascend.

79.70 Intersect First Standard Parallel North,3.20 chs., E.of the standard cor.of secs.34 and 35,heretofore descri ed.

Set a sandstone,15x8x8 ins.,10 ins.in the ground,for closing cor.of secs.2 and 3,marked CC on S.,with 2 groove on the E.and 4 grooves on the W.face;and raise a mound

SUBDIVISIONS OF T.4 N.,R.4 W.

CHAINS	
	of stone,2 ft.base,1½ ft.high,S.of cor.
	Pits impracticable.
	Land,mountainous,and rolling.
	Soil;rocky,4th rate;22.00 chs. Sandy;3rd rate,on balance.
	Timber,pine.
	Mountainous or heavily timbered land on 79.70 chs.
	June 28,1904.

	June 29:I begin at the cor.of secs.9-10-15 and 16,here tofore described,in latitude,40°45'N.,longitude 110° 21'W.;and at 1 h.00m.a.m.,l.m.t.,observe Polaris at eastern elongation,and mark a point in the line thus determined by a tack driven in a wooden peg set in the ground, 5 chs.N.of my station;
	At 7h a.m.,I lay off the azimuth of Polaris,1°36'to the west and mark the meridian thus determined by cutting a cross on a stone firmly set in the ground,west of the mark established early this morning.
	The magnetic bearing of the true meridian is N.16°36' W.,which gives the magnetic decl.,16°36'E.
	From the sec.cor.,I run
	N.0°02'W.,bet.secs.9 and 10.
	Ascend over mountainous land.
2.00	To E.edge of lake,area about 2 acres,bearing NW.and SW.
10.00	Foot of abrupt ascent bears NE.and SW.
	Begin abrupt ascent over broken sandstone ledges and slide rock.
32.00	Top of rocky ridge bears E.andSW.
	Descend abruptly over broken sandstone ledges.
40.00	Point for ¼ sec.cor.falls on a sandstone rock in place, 5x3x1½ ft.above ground;cut a cross(x) at exact cor. point for ¼ sec.cor.,marked ¼ on W.side of cross;and raise a mound of stone,2 ft.base,1½ ft.high,W.of cor.
	Pits impracticable.

SUBDIVISIONS OF T.4 N.,R.4 W.

CHAINS

50.00 Bottom of abrupt descent bears NE.and SW.

Begin more gradual descent.

66.00 Spring branch,10 lks.wide,4 ins.deep,course NE.

Ascend.

80.00 Set a sandstone,14x8x7 ins.,9 ins.in the ground,for cor.of secs.3-4-9 and 10,marked with 5 notches on the S.and 3 notches on the E.edge;and raise a mound of stone,2 ft.base,1½ ft.high,W.of cor.

Pits impracticable.

Land,mountainous.

Soil;rocky 3rd and 4th rate.

No timber.

Mountainous land on 80.00 chs.

S.89°58'E.,on a random line bet.secs.3 and 10.

40.00 Set temp.¼ sec.cor.

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

Thence I run

S.89°57'W.,on a true line

bet.secs.3 and 10.

Descend over broken sandstone ledges and rock slides, along steep north slope of ridge.

35.00 Creek,10 lks.wide,4 ins.deep,course NE.

Ascend.

39.96 Set a sandstone,18x10x6 ins.,12 ins.in the ground,for ¼ sec.cor.,marked ¼ on N.face;and raise a mound of stone,2 ft.base,1½ ft.high,N.of cor.

Pits impracticable.

45.00 Descend.

53.00 Creek,10 lks.wide,4 ins.deep,course NE.

Ascend.

60.50 Begin more abrupt ascent.

SUBDIVISIONS OF T.4 N.,R.4 W.

CHAINS	
79.92	The cor.of secs.3-4-9 and 10.
	Land,mountainous.
	Soil;rocky,3rd and 4th rate.
	No timber.
	Mountainous land on 79.92 chs.

	N.0°02'W.,on a true line bet.secs.3 and 4.
	Ascend over sandstone boulders and ledges.
2.00	Top of spur projects E.
	Descend.
3.00	Creek,6 lks.wide,3 ins.deep,in bottom of hollow,100 ft. deep,course E.
	Ascend.
10.50	Top of ridge spur projects E. Descend.
18.40	Spring branch,2 lks.wide,2 ins.deep,in bottom of hollow, 100 ft.deep,course SE.
	Ascend,abruptly.
26.00	Top of high spur projects E.
	Descend abruptly.
35.50	Spring branch,10 lks.wide,4 ins.deep,course SE., in bottom of gulch,200 ft.deep,course SE.
	Ascend.
40.00	Set a sandstone,16x12x7 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.
44.50	Descend.
50.50	Spring branch,8 lks.wide,3 ins.deep,in bottom of hollow, 100 ft.deep,course SE.
	Ascend.
79.80	Intersect First Standard Parallel North,3.24 chs.E.of the standard cor.of secs.33 and 34,heretofore described. Set a sandstone,17x9x3 ins.,11 ins.in the ground,for closing cor.of secs.3 and 4,marked CC on S.,

SUBDIVISIONS OF T.4 N.,R.4 W.

CHAINS

with 3 grooves on the E.and W.faces;and raise a mound of stone,2 ft.base,1½ ft.high,S.of cor.

Pits impracticable.

Land,mountainous.

Soil;rocky,3rd and 4th rate.

No timber.

Mountainous land on 79.80 chs.

June.29,1904.

June 30: From the cor.of secs.8,9,16,and 17,I run N.0°03'W.,bet.secs.8 and 9.

Descend over broken sandstone ledges and slide rock.

18.00 Top of abrupt descent,bears NW.and SE.

32.00 Spring branch,5 lks.wide,3 ins.deep,in bottom of hollow, 300 ft.deep,course E.

Ascend.

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

Pits impracticable.

57.50 Top of rocky ridge bears E.and W.

Descend.

61.00 Spring branch,4 lks.wide,2 ins.deep,in bottom of hollow, 200 ft.deep,course E.

Ascend.

80.00 Set a sandstone,14x8x5 ins.,9 ins.in the ground,for cor.of secs.4-5-8 and 9,marked with 5 notches on the S.and 4 notches on the E.edge;and raise a mound of stone,2 ft.base,1½ ft.high,W.of cor.

Pits impracticable.

Land,mountainous.

Soil;rocky,3rd and 4th rate.

No timber.

Mountainous land on 80.00 chs.

SUBDIVISIONS OF T.4 N.,R.4 W.

CHAINS	
	N.89°58'E.on a random line bet.secs.4 and 9.
40.00	Set temp.$\frac{1}{4}$ sec.cor.
80.06	Intersect N.and S.line,9 lks.N.of the cor.of secs. 3-4-9 and 10.
	Thence I run
	N.89°58'W.,on a true line bet.secs.4 and 9.
	Ascend over mountainous land over huge sandstone boulders and slide rock.
10.00	Top of spur projects NE.
	Descend.
37.00	Creek,6 lks.wide,3 ins.deep,in bottom of hollow,200 ft.d deep,course NE.
	Ascend.
40.03	Set a sandstone,14x10x6 ins.,9 ins.in the ground,for $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on N.face;and raise a mound of stone,2 ft.base,1$\frac{1}{2}$ ft.high,N.of cor.
	Pits impracticable.
80.06	The cor.of secs.4-5-8 and 9.
	Land,mountainous.
	Soil;rocky,3rd and 4th rate.
	No timber.
	Mountainous land on 80.06 chs.
	N.0°03'W.,on a true line bet.secs.4 and 5.
	Ascend over broken sandstone ledges and slide rock.
22.00	Top of rocky ridge bears E.and W.
	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;and raise a mound of stone 2 ft.base,1$\frac{1}{2}$ ft.high,W.of cor.
53.00	Bottom of gulch,800 ft.below top of ridge,course E.
	Creek in bottom of gulch,6 lks.wide,4 ins.deep,course E.
	Begin abrupt ascent.
80.02	Intersect First Standard Parallel North ,3.18 chs.E.of

SUBDIVISIONS OF T.4 N.,R.4 W.

CHAINS

the standard cor.of secs.32 and 33,heretofore described.

Point for cor.falls on a sandstone rock in place,2x2x2 ft.above ground;cut a cross (x) at exact cor.point for closing cor.of secs.4 and 5,marked CC on S.,with 2 groove on the W.and 4 grooves on the E.side of cross;and raise a mound of stone,2 ft.base,1½ ft.high,S.of cor.

Pits impracticable.

Land,mountainous.

Soil;rocky,3rd and 4th rate.

No timber.

Mountainous land on 80.02 chs.

June 30,1904.

July 1,1904:From the cor.of secs.7,8,17 and 18,I run N.0°04'W.,bet.secs.7 and 8.

Over mountainous land ascend over broken sandstone ledges and slide rock,along the west slope of ridge.

40.00 Point for ¼ sec.cor.,falls on a sandstone rock in place, 5x2x2 ft.above ground;cut a cross (x) at exact cor.point, for ¼ sec.cor.,marked ¼ on W.face and raise a mound of stone,2 ft.base,1½ ft.high,W.of cor.

Pits impracticable.

57.00 Top of mountain divide bet.Lake Fork and Uintah River Canons,bears NW.and SE.

Descend,over slide rock.

80.00 Set a sandstone,24x12x4 ins.,18 ins.in the ground,for cor.of secs.5-6-7-8,marked with 5 notches on the S.and E.edges;and raise a mound of stone,2 ft.base,1½ high,W.of cor.

Pits impracticable.

Land,mountainous.

Soil;rocky,3rd and 4th rate.

No timber.

Mountainous land on 80.00 chs.

SUBDIVISIONS OF T.4 N.,R.4 W.

CHAINS	
	N.89°52'E.on a random line bet.secs.5 and 8.
40.00	Set temp.,¼ sec.cor.
80.08	Intersect N.and S.line,12 lks.N.of the cor.of secs. 4-5-8 and 9.
	Thence I run
	S.89°57'W.,on a true line
	bet.secs.5 and 8.
	Ascend over slide rock and broken sandstone ledges.
11.00	Descend.
22.00	Spring branch,2 lks.wide,2 ins.deep,in bottom of hollow, 200 ft.deep,course SE.
	Begin abrupt ascent over slide rock and sandstone ledges.
35.50	Top of ridge bears NW.and SE.
	Descend.
40.04	Set a sandstone,18x9x5 ins.,12 ins.in the ground,for ¼ sec.cor.,marked ¼ on N.face;and raise a mound of stone,2 ft.base,1½ ft.high,N.of cor.
	Pits impracticable.
60.00	Head of hollow,course SE.
	Ascend.
80.08	The cor.of secs.5-6-7 and 8.
	Land,mountainous.
	Soil;rocky 3rd and 4th rate.
	No timber.
	Mountainous land on 80.08 chs.

	N.89°59'W.on a random line bet.secs.6 and 7.
40.00	Set temp.¼ sec.cor.
79.00	Intersect First Guide Meridian West,7 lks.N.of the cor. of secs.1-6-7 and 12,heretofore described.
	Thence I run
	N.89°58'E.,on a true line
	bet.secs.6 and 7.
	Ascend over huge sandstone boulders and heavy rock slide.

SUBDIVISIONS OF T.4 N.,R.4 W.

CHAIN.

39.00 Set a sandstone,17x9x5 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.

Pits impracticable.

48.50 Top of ridge,bearing NE.and SW.,at junction with top of mountain divide,bet.Lake Fork and Uintah River Canons, bearing NE.and SE.

Descend over rock slide and broken sandstone ledges .

79.00 The cor.of secs.5-6-7 and 8.

Land,mountainous.

Soil;rocky.4th rate.

No timber.

Mountainous land on 79.00 chs.

N.0°04'W.,on a true line
bet.secs.5 and 6.

Ascend along east slope of mountain divide,over slide rock and broken sandstone ledges.

35.00 Begin abrupt ascent.

40.00 Point for $\frac{1}{4}$ sec.cor.,falls on a sandstone rock in place, 2x2x2 ft.above ground,;cut a cross (x) at exact cor. point,for $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on W.side of cross;and raise a mound of stone,2 ft.base,$1\frac{1}{2}$ ft.high,W.of cor.

Pits impracticable.

45.00 Junction of mountain divide bet.Lake Fork and Uintah River Canons,bearing NE.and SW.,with ridge bearing NE. and ridge bearing SE.

Descend along east slope of divide.

79.94 Intersect First Standard Parallel North,3.25 chs.E.of the standard cor.of secs.31 and 32,heretofore described.

Set a sandstone,19x11x7 ins.,13 ins.in the ground, for closing cor.of secs.5 and 6,marked C C on S.,with 5 grooves on the E.and 1 groove on the W.face;and raise a mound of stone,2 ft.base,$1\frac{1}{2}$ ft.high,S.of cor.

SUBDIVISIONS OF T.4 N.,R.4 W.

CHAINS

Pits impracticable.

Land,mountainous.

Soil;rocky,4th rate.

No timber.

Mountainous land on 79.94 chs.

July 1,1904.

GENERAL DESCRIPTION.

This township is mountainous throughout,and badly broken by deep canons,ravines gulches and hollows,and high rocky ridges and spurs,and broken sandstone ledges.

The mountain divide bet.Lake Fork and Uintah River Canons,altitude from 12,000 to 13,000 ft.above sea level, bears in a NW.and SE.direction through the township from the SE.to NW.corner.All of the high ridges and spurs are covered with slide rock.

This township is well watered with many mountain streams and lakes throughout the township.

Heavy pine timber is found along water courses and and low spurs and ridges.

This township is not suitable for agricultural and grzing purposes on account of high altitudes,and bare rocky ridges.

No mineral is found in this township.

There are no settlers in this township.

Evidences of glacial action,shown by striations on rocks is found in many portions of the township.

Austin K. Tierney

U S Deputy Surveyor.

MEANDERS OF T.4 N.,R.4 W.

Meanders of Lake Atwood,in sec.14.
Oct.20,1903.
I commence at the meander cor.of fractional secs.14 and 15,on the S.shore of the lake and run with meanders in sec.14.

Through heavy pine timber,along low rocky bank.

N.41°E.	1.40	chs.	
N.18°E.,	14.60	"	
S.84°E.	15.00	"	
S.79°E.	9.50	"	
S.57°45'E.	9.40	"	
S.52°45'E.	10.50	"	
N.68°E.	9.60	"	
N.58°E.	9.80	"	Creek,10 lks.wide,8 ins.deep,cour E.,outlet of lake.
N.24°E.	5.20	"	
N.37°W.,	9.80	"	
N.85°W.	14.40	"	Leave timber.and enter dense fir undergrowth.
S.44°W.	3.40	"	
N.35°W.	3.70	"	
N.01°W	6.50	"	
N.63°W.	16.90	"	
S.60°W.	14.20	"	
S.70°W.	7.40	"	
S.44°W.	8.80	"	To meander cor.of fractional secs.14 and 15,on N.shore of lake.

Land,mountainous.

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

Timber pine.

Mountainous or heavily timbered land on 170.10 chs.

Thence in sec.15.

Through scattering pine timber and dense fir undergrowth.

S.58°15'W. 6.60 chs.

S.13°15'W. 2.90 "

S.60°15'W.24.30 "

MEANDERS OF T.4 N.,R.4 W.

Meanders of Lake Atwood.(continued)

S.33°E. 5.00 chs.

S.13°15'E., 3.50 "

S.87°E., 14.00 "

N S.63°E. 11.10 " At end of course.

Land,mountainous.

Soil;rocky,3rd and 4th rate.

Timber pine.

Mountainous land or dense undergrowth on 67.40 chs.

Oct.20,1903.

Meanders of lake in Sec.32.

Oct.27:

I commence at the meander cor.of fractional secs. 31 and 32,on south edge of lake,and run with meanders over rocky land,over sandstone boulders and loose slide rock.

S.66°E., 3.40 chs.to Creek,10 lks.wide,8 ins.deep, course SE.,outlet to lake.

N.48°E., 4.00 "

N.4°30'W., 7.50 "

N.62°W., 6.00 "

N.27°E., 3.00 "

N.33°W., 2.84 " To meander cor.of fractional secs. 31 and 32.,on N.edge of lake.

Land,mountainous.

Soil;rocky,3rd and 4th rate.

No timber.

Mountainous land on 26.74 chs.

Thence in sec.31

Over mountainous land over sandstone boulders and slide rock.

N.30°W., 8.00 chs.

N.27°E., 3.00 "

MEANDERS OF T.4 N.,R.4 W.

Meanders of lake in sec.31.(continued)

N.32°W.,; 2.80 chs.

N.81°30'W.. 9.60 "

S.61°30'W., 9.40 "

South 8.50 "

S.26°E., 12.00 "

S.69°15'E. 17.80 " at place of beginning.

Land,mountainous.

Soil;rocky,3rd and 4th rate.

Timber,none.

Mountainous land on 71.10 chs.

Oct.27,1903.

Austin K. Tierney

US.Deputy Surveyor.

BOOK A-3(9)

BLANK

PAGE

BOOK A-310

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

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

_____, *Chainman*

For final affidavits see book "L" T.4 N.R.3 W. _____, *Chainman*

_____, *Moundman*

_____, *Moundman*

_____, *Axman.*

_____, *Axman.*

_____, *Flagman.*

FINAL OATH OF ASSISTANTS.

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

For final affidavits see book "L" T.4 N.R.3 W. _____, *Chainman.*

_____, *Chainman.*

_____, *Moundman.*

_____, *Moundman.*

_____, *Axman.*

_____, *Axman.*

_____, *Flagman.*

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

SEAL

6—161

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, ..., United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from ....., United States Surveyor General for ....., bearing date of the ..... day of ....., 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 "L" T.4 N.R.3 W.

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

United States Deputy Surveyor.

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

SEAL

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, November 9, 1904.

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

executed by James C. Dick and Austin K. Tiernan under ~~his~~ their contract No. 272, dated July 22, 1903, 189 , having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Edward M. Anderson

United States Surveyor General.

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

United States Surveyor General.

6—151

BLANK

PAGE

BLANK

PAGE

FILED
SEP 22 1904

4—670.

BOOK A-310

L.

FIELD NOTES

OF THE SURVEY OF THE

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

OF

TOWNSHIP NO.4 NORTH

RANGES NO.3 WEST.

Of the Uintah Special Base and *Meridian,*

In the state of Utah.

AS SURVEYED BY

James C.Dick.and Austin K.Tiernan, *United States Deputy Surveyors,*

Under their *Contract No.* 272, *dated* July 22,1903.

Survey commenced November 10,1903.

Survey completed June 25,1904.

4—611

Sig 59-68.21

Cly 0.01.80

BOOK A-310

NAMES AND DUTIES OF ASSISTANTS.

E.B.Andrews	CHAINMAN
F.L.Hurford	"
Robert Graham	Moundman.
Charles Wall	Axman.
R.L.Davidson,	"
Edward J.Little,	Flagman.

For preliminary affidavits s e book "K" T.4 N.R.4 W.

6—151

BOOK A-310

INDEX DIAGRAM.

Township 4 N., , *Range* 3 W.

6 53	5 50	4 46	3 41	2 36	1
52	51	49	45	40	35
7 51	8 48	9 44	10 39	11 34	12
32	31	48	43	38	34
18 30	17 47	16 42	15 37	14 33	13
29	29	22	17	11	5
19 28	20 21	21 16	22 10	23 4	24
28	27	21	15	9	4
30 26	29 20	28 14	27 8	26 3	25
25	24	19	13	7	2
31 23	32 18	33 12	34 6	35 1	36

Meanders Page

6—151

PRELIMINARY OATHS OF ASSISTANTS.

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

.....

....., *Chainman.*

....., *Chainman.*

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

.....

SEAL

.....

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

.....

....., *Moundman*

....., *Moundman*

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

.....

SEAL

.....

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

.....

....., *Axmar*

....., *Axma*

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

.....

SEAL

.....

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

....., *Flagma*

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

.....

SEAL

.....

D. V. IONS OF T 4 N R 3 W.

Survey commenced Nov.10,1903,and executed with the instrument described in book "E" of this survey.

At the cor.of Tps.3 and 4 N.Rs.2 and 3 W.,which is a quartzite stone 10x10x6 ins.above ground,firmly set and marked and witnessed as described by Deputy Freudenthal under his contract No.268,lat.40°42'N.;long.110°11'08" W.,at 4 h.08m.a m.l.m.t.I observe Polaris at western elongation in accordance with the Manual of Instructions and mark a point in the line thus determined by a tack driven in a wooden peg set in the ground 5 chs.N.of my station.

At 7h.0 m.a.m.l.m.t.I lay off the azimuth of Polaris 1° 35'.to the east and mark the meridian thus determined by cutting a cross on a stone firmly set in the ground west of the mark established early this morning.

The magnetic bearing of the true meridian is N.16°35'W. which gives the magnetic decl.16°35'E.

From the above described cor.I retrace north bet.secs. 31 and 36;at 40.00 chs.fall 1 lk.E.of $\frac{1}{4}$ sec.cor.;and at 80.00 chs.intersect the cor.of secs.25,30,31,and 36, which is a sandstone 10x10x6 ins.above ground,marked and witnessed as described by Deputy Freudenthal under his contract No.268.

From the above mentioned Tp.cor.I retrace S.89°50'W.bet. secs.1 and 36;at 40.00 chs.fall 1 lk.N.of the $\frac{1}{4}$ sec.cor. and at 80.00 chs.intersect the cor.of secs.1,2,35,and 36 which is a quartzite stone 12x6x5 ins.above ground,firmly set and marked and witnessed as described by Deputy Freudenthal under his contract No.268. The courses and distances are therefore as determined by Deputy Freudenthal. Thence I run

N.0°01'W.bet.secs.35 and 36

Ascend along the west slope of a high ridge;through heavy pine timber and over sandstone boulders.

28.00 Begin abrupt ascent over slide rock;leave timber.

SUBDIVISIONS OF T.4 N.R.3 W.

Chains	
31.50	Top of rocky spur projects E.
	Begin abrupt descent over broken sandstone ledges and slide rock.
40.00	Set a sandstone 18x9x6 ins.12 ins.in the ground for ¼ sec.cor.,marked ¼ on W.face;and raise a mound of stone 2 ft.bas e 1½ ft.high W.of cor.Pits impracticable.
49.00	Uintah River in bottom of canon 1000 ft.deep,50 lks.wide, drains SE.
	Begin gradual ascent.
52.00	Leave bottom of canon bearing NW.and SE.
	Begin abrupt ascent over broken sandstone ledges;through heavy live pine and over dead and fallen timber.
80.00	Set a sandstone 18x10x6 ins.12 ins.in the ground for cor.of secs.25,26,35,and 36,marked with 1 notch on the S.and E.edges;from which
	A pine 8 ins.diam.bears N.28°30'E.15 lks.dist. marked T 4 N R 3 W S 25 B T
	A pine 11 ins.diam.bears S.16°E.37 lks.dist. marked T 4 N R 3 W S 36 B T
	A pine 17 ins.diam.bears S.74°W.24 lks.dist. marked T 4 N R 3 W S 35 B T
	A pine 10 ins.diam.bears N.63°W.22 lks.dist. marked T 4 N R 3 W S 26 B T
	Land mountainous.
	Soil rocky 3d and 4th rate.
	Timber pine, 6" etc.
	Mountainous land or heavily timbered on 80.00 chs.
	N.89°50'E.on a random line bet.secs.25 and 36
40.00	Set temp.¼ sec.cor.
80.24	Intersect E.bdy.of Tp.15 lks.N.of the cor.of secs.25,30 31 and 36,heretofore described;thence I run
	S.89°56'W.on a true line bet.secs.25 and 36
	Descend abruptly over W.slope of a high ridge over sandstone boulders and through scattering pine timber.

SUBDIVISIONS OF T.4 N.R.3 W.

Chains	
40.12	Set a sandstone 15x8x6 ins.10 ins.in the ground for ¼ sec.cor.,marked ¼ on N.face;from which
	A pine 9 ins.diam.bears N.52°W.73 lks.dist.
	marked ¼ S 25 B T
	A pine 7 ins.diam.bears S.1.05 chs.dist.
	marked ¼ S 36 B T
47.00	Enter heavy pine timber bearing N.and S.
80.24	The cor.of secs.25,26,35.and 36.
	Land mountainous.
	Soil rocky 3d and 4th rate.
	Timber pine.
	Mountainous land or heavily timbered land on 80.24 chs.

N.0°01'W.bet.secs.25 and 26

	Ascend along the west slope of a high ridge over sandstone boulders through heavy pine timber.
6.00	Point of rocky spur projects SW.;descend.
20.50	Bottom of gulch 800 ft.deep,course SW.
	Ascend abruptly over broken sandstone ledges and slide rock.
40.00	Set a sandstone 14x12x6 ins.9 ins.in the ground for ¼ sec.cor.,marked ¼ on W.face;from which
	A pine 6 ins.diam.bears E.19 lks.dist.
	marked ¼ S 25 B T
	A pine 12 ins.diam.bears N.46°10'W.33 lks.dist.
	marked ¼ S 26 B T
65.00	Top of sandstone ledges 50 ft.high bear NE.and SW.
	Ascend abruptly over slide rock. Leave timber.
0.00	Set a sandstone 22x8x6 ins.17 ins.in the ground for cor. of secs.23,24,25,and 26,marked with 2 notches on the S. and 1 notch on the E.edge;and raise a mound of stone 2 ft.base 1½ ft.high W.of cor. Pits impracticable.
	This cor.is on top of spur projecting SW.

SUBDIVISIONS OF T.4 N.R.3 W.

Chains	
	Land mountainous.
	Soil rocky;3d and 4th rate.
	Timber pine.
	Mountainous land or heavily timbered land on 80.00 chs.
	November 10,1903.
	Nov.11:
	N.89°56'E.on a random line bet.secs.24 and 25
40.00	Set temp.$\frac{1}{4}$ sec.cor.
80.18	Intersect E.bdy.of Tp.7 lks.N.of the cor.of secs.19,24, 25 and 30,which is a sandstone 10x6x6 ins.above ground, marked and witnessed as described by Herman E.Freudenthal D.S.under his contract No.268.Thence I run
	S.89°59'W.on a true line bet.secs.24 and 25
	Over huge sandstone boulders and slide rock;descending abruptly the west slope of a high ridge.
40.09	Point for $\frac{1}{4}$ sec.cor.falls on a rock in place,6x3x2 ft. above ground,on which
	Cut a cross (X) at the corner point for $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on N.side of cross;and raise a mound of stone 2 ft. base $1\frac{1}{2}$ ft.high N.of cor.Pits impracticable.
55.50	Bottom of abrupt descent bears NW.and S.E.
	Begin more gradual descent.
60.00	Head of hollow 200 ft.deep,course S.
	Ascend.
80.18	The cor.of secs.23,24,25,and 26.
	Land mountainous.
	Soil rocky;3d and 4th rate.
	No timber.
	Mountainous land on 80.18 chs.
	N.0°01'W.bet.secs.23 and 24
	Descend over sandstone boulders and rock slide;through scattering pine timber

SUBDIVISIONS OF T.4 N.,R.3 W.

CHAINS

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.

Pits impracticable.

This cor.falls in bottom of gulch,500 ft.below top of spur at sec.cor.,course W.

Ascend abruptly over sandstone boulders and slide rock.

48.00 Begin more gradual ascent.

60.00 Top of spur projects W.

Descend.

69.00 Descend abruptly over broken sandstone ledges.

80.00 Point for cor.falls on a sandstone rock in place,4x4x3 ft.above ground;cut a cross(x)at exact cor.point,for cor. of secs.13-14-23 and 24,marked with 3 grooves on the S. and 1 groove on the E.side of cross;and raise a mound of stone,2 ft.base,1½ ft.high,W.of cor.

Pits impracticable.

Land,mountainous.

Soil;rocky,3rd and 4th rate.

Timber;scattering pines.

Mountainous land on 80.00 chs.

N.89°59'E.on a random line bet.secs.13 and 24.

40.00 Set temp.¼ sec.cor.

79.94 Intersect E.bdy.of the Tp.,12 lks.S.of the cor.of secs.13-18-19 and 24,a sandstone 6x10x6 ins.above ground, marked and witnessed as described by Deputy Herman E. Freudenthal under his contract No.268.Thence I run

S.89°54'W.,on a true line

bet.secs.13 and 24.

Descend abruptly over sandstone boulders,along the west slope of a high ridge.

39.97 Point for ¼ sec.cor.falls on a sandstone rock in place,

SUBDIVISIONS OF T.4 N.,R.3 W.

CHAINS	
	5x4x2 ft.above ground;cut a cross(x)at exact cor.point. for ¼ sec.cor.,marked ¼ on N.side of cross;and raise a mound of stone,2 ft.base,1½ ft.high,N.of cor..
	Pits impracticable.
44.30	Top of ledges,100 ft.high,bears NE.and SW.
	Begin abrupt descent over sandstone ledges and slide rock.
79.94	The cor.of secs.13-14-23 and 24.
	Land,mountainous.
	Soil;rocky,3rd and 4th rate.
	No timber.
	Mountainous land on 79.94 chs.
	On account of snows in the higher altitudes,I abandon the work for the season at this point.
	November 11,1903.

	Nov.12:
	From the cor.of secs.2-3-34 and 35,which is a qaurtzite stone,10x5x5 ins.above ground,marked and witnessed as described by Herman E.Freudenthal,D.S.,under his cont., No.268,on the S.bdy.of Tp.,I run
	N.0°02'W.,bet.secs.34 and 35.
	Ascend over mountainous land over sandstone boulders through heavy pine timber.
29.00	Leave heavy timber,bearing NW.and SE.
	Begin abrupt ascent over broken sandstone ledges and slide rock.
40.00	Set a sandstone,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.
	Pits impracticable.
46.80	Top of steep ascent bears NW.and SE.
	Enter heavy pine timber,bearing NW.and SE.
	Begin more gradual ascent.
69.75	Top of ridge bears NW.and SE.
	Descend.

SUBDIVISIONS OF T.4 N.,R.3 W.

CHAINS

80.00 Set a sandstone,16x12x8 ins.,11 ins.in the ground,for cor.of secs.26-27-34 and 35,marked with 2 notches on the E.and 1 notch on the S.edge;from which

A pine,12 ins.diam.,bears N.39°55'E.,24 lks.dist., marked T 4 N R 3 W S 26 B T.

A pine,10 ins.diam.,bears S.17°E.,31 lks.dist., marked T 4 N R 3 W S 35 B T.

A pine,10 ins.diam.,bears S.19°45'W.,36 lks.dist., marked T 4 N R 3 W S 34 B T.

A pine,10 ins.diam.,bears N.40°40'W.,9 lks.dist., marked T 4 N R 3 W S 27 B T.

Land,mountainous.

Soil:rocky,3rd and 4th rate.

Timber,pine.

Mountainous or heavily timbered land on 80.00 chs.

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

40.00 Set temp.¼ sec.cor.

79.92 Intersect N.and S.line,7 lks.N.of the cor.of secs. 25-26-35 and 36.

Thence I run

S.89°53'W.,on a true line bet.secs.26 and 35.

Descend abruptly over mountainous land through heavy pine timber.

13.90 Uintah River,40 lks.wide,in bottom of canon,1000 ft.deep, course SE.

Ascend abruptly over fallen pines and sandstone boulders.

39.96 Set a sandstone,18x10x6 ins.,12 ins.in the ground,for ¼ sec.cor.,marked ¼ on N.face;from which

A pine,10 ins.diam.,bears N.30°W.,26 lks.dist., marked ¼ S 26 B T.

A pine,7 ins.diam.,bears S.50°W.,9 lks.dist., marked ¼ S 35 B T.

SUBDIVISIONS OF T.4 N.,R.3 W.

CHAINS	
	Begin more gradual ascent.
44.00	Foot of abrupt ascent bears NW.and SE.
	Begin abrupt ascent over slide rock.
	Leave heavy timber,bearing NW.and SE.
50.00	Top of abrupt ascent bears NW.and SE.
	Begin more gradual ascent.
67.00	Begin abrupt ascent over a huge rock slide.
69.00	Leave slide rock.
	Begin more gradual ascent.
79.92.	The cor.of secs.26-27-34 and 35.
	Land,mountainous.
	Soil;rocky,4th rate.
	Timber,pine.
	Mountainous land or heavily timbered on 79.92 chs.

	N.0°02'W.,bet.secs.26 and 27.
	Descend over sandstone boulders and broken land through heavy pine timber.
11.00	Descend abruptly over broken sandstone ledges,bearing NW.and SE.
25.00	Bottom of hollow,400 ft.deep,course SE.
	Ascend.
32.00	Top of spur projects SE.
	Descend.
36.50.	Descend abruptly over broken sandstone ledges.
40.00	Set a sandstone,26x14x6 ins.,19 ins.in the ground,for ¼ sec.cor.,marked ¼ on W.face;from which
	A pine,12 ins.diam.,bears S.78°15'E.,10 lks.dist., marked ¼ S 26 B T.
	A pine,10 ins.diam.,bears N.66°W.,19 lks.dist., marked ¼ S 27 B T.

SUBDIVISIONS OF T.4 N.R.3 W.

CHAINS
77.00 Enter bottom of box canon,bearing NW.and SE.

78.00 Creek 25 lks.wide,12 ins.deep,in bottom of box canon, 500 ft.below top of spur,course SE.

79.00 Leave bottom of canon bearing NW.and SE.

Foot of perpendicular ledge 100 ft.high;ascend.

80.00 Set a sandstone 20x8x4 ins.15 ins.in the ground for cor.of secs.22,23,26,and 27,marked with 2 notches on the S.and E.edges;from which

A pine 7 ins.diam.bears N.20°30'E.12 lks.dist. marked T 4 N R 3 W S 23 B T

A pine 8 ins.diam.bears S.26°20'E.26 lks.dist. marked T 4 N R 3 W S 26 B T

A pine 6 ins.diam.bears S.66°W.12 lks.dist. marked T 4 N R 3 W S 27 B T

A pine 18 ins.diam.bears N.55°30'W.46 lks.dist. marked T 4 N R 3 W S 22 B T

Land mountainous.

Soil rocky;3d and 4th rate.

Timber pine.

Mountainous or heavily timbered land on 80.00 chs.

Nov.12,1903.

Nov.13th:

N.89°53'E.on a random line bet.secs.23 and 26

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

80.06 Intersect N.and S.line 16 lks.N.of the cor.of secs.23, 24,25,and 26.

Thence I run

West on a true line bet.secs.23 and 26

Begin abrupt descent over mountainous land.

20.00 Enter heavy pine timber bearing N.and S.

32.00 Uintah River 40 lks.wide in bottom of canon 1000 ft. deep,course SE.

Ascend.

SUBDIVISIONS OF T.4 N.R.3 W.

CHAINS	
40.03	Set a sandstone 16x10x8 ins.11 ins.in the ground for ¼ sec.cor.,marked ¼ on N.face;from which
	A pine 8 ins.diam.bears N.12°E.40 lks.dist. marked ¼ S 23 B T
	A pine 6 ins.diam.bears S.42°W.27 lks.dist. marked ¼ S 26 B T
59.00	Top of spur projects SE.
	Descend.
80.06	The cor.of secs.22,23,26,and 27.
	Land mountainous.
	Soil rocky and sandy;3rd and 4th rate.
	Timber pine.
	Mountainous or heavily timbered land on 80.06 chs.
	N.0°02'W.bet.secs.22 and 23
	Ascend abruptly over mountainous land;through heavy pine timber.
17.00	Top of ridge bears NE.and SW.
	Descend.
40.00	Set a sandstone 20x10x8 ins.15 ins.in the ground for ¼ sec.cor.,marked ¼ on W.face;from which
	A pine 7 ins.diam.bears S.46°E.27 lks.dist. marked ¼ S 23 B T
	A pine 8 ins.diam.bears S.60°W.12 lks.dist. marked ¼ S 22 B T
49.00	Hollow drains SE. Ascend.
68.00	Top of spur projects SE.
70.00	Leave pine and enter aspen timber.
80.00	Point for cor.falls on rock in place 6x5x3 ft.above ground,on which
	Cut a cross (X) at exact cor.point for cor.of secs.

SUBDIVISIONS OF T.4 N.,R.3 W.

CHAINS

14-15-22 and 23,marked with 3 grooves on the S. and 2 grooves on the E.side of cross;from which

An aspen,8 ins.diam.,bears N.56°E.,36 lks.dist., marked T 4 N R 3 W S 14 B T.

An aspen,6 ins.diam.,bears S.58°E.,19 lks.dist., marked T 4 N R 3 W S 23 B T.

An aspen,6 ins.diam.,bears S.45°W.,25 lks.dist., marked T 4 N R 3 W S 22 B T.

An aspen,7 ins.diam.,bears N.34°W.,25 lks.dist., marked T 4 N R 3 W S 15 B T.

Land,mountainous.

Soil;rocky,3rd and 4th rate.

Timber,aspen and pine.

Mountainous land 80.00 chs.

East on a random line bet.secs.14 and 23.

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

80.12 Intersect N.and S.line,7 lks.S.of the cor.of secs. 13-14-23 and 24.

Thence I run

S.89°57'W.on a true line bet.secs.14 and 23.

Descend abruptly along N.slope of rocky spur.

6.00 Enter heavy pine timber,bearing NE.and SW.

19.00 Creek,10 lks.wide,4 ins.deep,in bottom of ravine,600 ft. below top of spur,course SW.

Ascend.

40.06 Set a sandstone,16x10x10 ins.,11 ins.in the ground, for $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on N.face;from which

A pine,12 ins.diam.,bears N.60°E.,74 lks.dist., marked $\frac{1}{4}$ S 14 B T.

A pine,10 ins.diam.,bears S.11°30'E.,45 lks.dist., marked $\frac{1}{4}$ S 23 B T.

50.00 Descend abruptly.

53.00 Uintah River,35 lks.wide,in bottom of canon,700 ft. below top of spur,course SE.

SUBDIVISIONS OF T.4 N.,R.3 W.

CHAINS	
	Ascend.abruptly over rocky land.
80.12	The cor.of secs.14-15-22 and 23.
	Land,mountainous.
	Soil rocky,3rd and 4th rate.
	Timber,pine.
	Mountainous or heavily timbered land on 80.12 chs.
	On account of heavy snows in the higher altitudes,I abandon work for the season at this point.
	Nov.13,1903.

	Nov.14th.
	At the cor.of secs.3-4-33 and 34,on the S.bdy. of the Tp.,which is a quartzite,12x6x6 ins.above ground, marked and witnessed as described by Herman E.Freudenthal,D.S.,under his cont.,No.268,in approximate latitude 40°42'N.,longitude 110°14'W.;at 3h 52m a.m.,l.m.t., I observe Polaris at western elongation,in accordance with the Manual of Instructions,and mark the point in the line thus determined,by a tack driven in a wooden peg set in the ground,5 chs.N.of my station.
	At 7h a.m.,I lay off the azimuth of Polaris,1°36' to the east,and mark the meridian thus determined by cutting a cross on a stone,firmly set in the ground,east of the point established early this morning.
	The magnetic bearing of the true meridian is N.16°35' W.;which gives the magnetic decl.,16°35'E.
	From the sec.cor.,I run
	N.0°02'W.,bet.secs.33 and 34.
	Descend over mountainous land through heavy pine timber.
11.40.	Creek,20 lks.wide,6 ins.deep,course SE.,in bottom of hollow,100 ft.deep,course SE. Ascend.
18.00	Point of spur,projects SE. Descend.
32.00	To east edge of lake,area,about 6 acres.
40.00	Set a sandstone,16x14x12 ins.,11 ins.in the ground,for ¼ sec.cor.,marked ¼ on W.face;from which

SUBDIVISIONS OF T.4 N.,R.3 W.

CHAINS	
	A pine,10 ins.diam.,bears S.86°E.,15 lks.dist., marked ¼ S 34 B T.
	A pine,10 ins.diam.,bears N.64°W.,46 lks.dist., marked ¼ S 33 B T.
49.00	Top of broken sandstone ledges bears NW.and SE.
	Begin more gradual ascent.
55.50	Begin abrupt ascent.
80.00	Top of ridge bears E.and NW.
	Set a sandstone,18x12x6 ins.,12 ins.in the ground,for cor.of secs.27-28-33 and 34,marked with 1 notch on the S.and 3 notches on the E.edge;from which
	A pine,12 ins.diam.,bears N.66°30'E.,82 lks.dist., marked T 4N R 3W S 27 B T.
	A pine,28 ins.diam.,bears S.37°40'E.,1.50 chs.dist., marked T 4 N R 3 W S 34 B T.
	A pine,8 ins.diam.,bears S.69°W.,72 lks.dist., marked T 4 N R 3 W S 33 B T.
	A pine,36 ins.diam.,bears N.33°30'W.,84 lks.dist., marked T 4 N R 3 W S 28 B T.
	Land,mountainous.
	Soil;rocky,3rd and 4th rate.
	Timber,pine.
	Mountainous and heavily timbered land on 80.00 chs.

	N.89°50'E.on a random line bet.secs.27 and 34.
40.00	Set temp.¼ sec.cor.
80.15	Intersect N.and S.line,11 lks.S.of the cor.of secs. 26-27-34 and 35.
	Thence I run S.89°45'W.,on a true line bet.secs.27 and 34.
	Ascend along N.slope of ridge,over sandstone boulders through heavy pine timber.
25.00	Begin abrupt ascent.

SUBDIVISIONS OF T.4 N.,R.3 W.

CHAINS	
40.07½	Set a sandstone,16x8x8 ins.,11 ins.in the ground,for ¼ sec.cor.,marked ¼ on N.face;from which A pine,9 ins.diam.,bears N.81°E.,11 lks.dist., marked ¼ S 27 B T. A pine,14 ins.diam.,bears S.47°W.,12 lks.dist., marked ¼ S 34 B T. Begin more gradual ascent.
60.00	Top of ridge bears SE.and W. Thence along top of ridge.
80.15	The cor.of secs.27-28-33 and 34. Land,mountainous. Soil;rocky 3rd and 4th rate. Timber,pine. Mountainous land or heavily timbered on 80.15 chs.

N.0°02'W.,bet.secs.27 and 28.

	Descend gradually over rocky bench,thr[illegible] and fallen pine timber,and heavy pine timber.
17.00	Top of rocky bench,covered with sandstone boulders bears E.and W.. Descend abruptly. Leave timber.
40.00	Point for ¼ sec.cor.falls on rock in place,3x2x1 ft.above ground;Cut a cross (x)at exact cor.point,for ¼ sec.cor., marked ¼ on W.side of cross;and raise a mound of stone,2 ft.base,1½ ft.high,W.of cor. Pits impracticable.
42.00	Begin more gradual descent.
57.50	Top of broken sandstone ledges bears NE.and SW. Descend abruptly.
67.00	Bottom of ravine,300 ft.deep,course NE. Ascend.
80.00	Set a sandstone,16x8x6 ins.,11 ins.in the ground,for cor.of secs.21-22-27 and 28,marked with 2 notches on the S.and 3 notches on the E.edge;and raise a mound

SUBDIVISIONS OF T.4 N.,R.3 W.

CHAINS

of stone,2 ft.base,1½ ft.high,W.of cor.

Pits impracticable.

Land,mountainous.

Soil;rocky,3rd and 4th rate.

Timber,pine.

Mountainous or heavily timbered land on 80.00 chs.

Nov.14,1903.

Nov.15,1903.

N.89°45'E.on a random line bet.secs.22 and 27.

40.00 Set temp.¼ sec.cor.

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

Thence I run

S.89°55'W.,on a true line bet.secs.22 and 27.

Descend over rocky land through heavy pine timber.

8.00 Creek,35 lks.wide,6 ins.deep,in bottom of canon, 400 ft.deep,course SE.

Begin abrupt ascent over sandstone boulders.

25.00 Begin more gradual ascent.

Leave timber.

40.03 On top of spur projecting N.;

Set a sandstone,18x8x6 ins.,12 ins.in the ground,for ½ sec.cor.,marked ¼ on N.face;and raise a mound of stone,2 ft.base,1½ ft.high,N.of cor.

Descend abruptly.

57.00 Bottom of ravine,300 ft.deep,course NE.

Ascend.

80.06 The cor.of secs.21-22-26 and 27.

Land,mountainous.

Soil;rocky,3rd and 4th rate.

Timber,pine.

SUBDIVISIONS OF T.4 N.,R.3 W.

CHAINS	
	Mountainous or heavily timbered land on 80.06 chs.

	N.0°02'W.,bet.secs.21 and 22.
	Ascend over rocky land.
11.00	Top of spur projects E.
	Descend .
	Enter heavy pine timber,bearing NE.and SW.
38.00	Top of perpendicular cliff,100 ft.high,bearing NW.and SE. Descend gradually accros canon bottom.
40.00	Creek,25 lks.wide,6 ins.deep,in bottom of a box canon, 500 ft.below top of spur,course SE. Ascend.
	Point for ¼ sec.cor.falls in creek, and cannot be set.
41.50	Bottom of perpendicular cliff,100 ft.high,bears NW.and SE. Ascend.
42.00	Set a sandstone,16x10x8 ins.,11 ins.in the ground,for witness cor.to ¼ sec.cor.,marked W C on W.face;from which
	A pine,12 ins.diam.,bears N.26°E.,22 lks.dist., marked W C ¼ S 22 B T.
	A pine,11 ins.diam.,bears N.46°W.,38 lks.dist., marked W C ¼ S 21 B T.
44.00	Top of small spur projects SE.
	Descend.
47.00	Bottom of draw,100 ft.deep,course SE.
	Ascend.
70.00	Leave timber.
	Ascend abruptly over slide rock.
80.00	Point for cor.falls on a sandstone rock in place,9x7x6 ft.above ground; Cut a cross(x)at exact cor.point,for cor.of secs.15-16-21 and 22,marked
	4 N on NE.,and
	3 W on SE.,with 3 grooves on S.and E.sides of cross;and raise a mound of stone,2 ft.base,1½ ft. high,W.of cor.
	Pits impracticable.

SUBDIVISIONS OF T.4 N.,R.3 W.

CHAIN.

Land,mountainous.

Soil;rocky,3rd and 4th rate.

Timber,pine.

Mountainous or heavily timbered land on 80.00 chs.

N.89°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,7 lks.N.of the cor.of secs.14-15-22 and 23.

Thence I run

S.89°58'W.,on a true line bet.secs.15 and 22.

Ascend abruptly over rocky land theough heavy aspen timber.

17.00 Leave aspen and enter heavy pine timber.

38.00 Top of spur projects SE.

Begin gradual descent.

40.05 In bottom of hollow,100 ft.deep,course SE.

Point for $\frac{1}{4}$ sec.cor.,falls on a sandstone rock in place, 3x2x2 ft.above ground;cut a cross(x)at exact cor.point, for $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on N.side of cross;from which

A pine,5 ins.diam.,bears S.19°E.,24 lks.dist., marked $\frac{1}{4}$ S 22 B T.

A pine,6 ins.diam.,bears N.13°E.,50 lks.dist., marked $\frac{1}{4}$ S 15 B T.

Begin gradual ascent.

49.00 Leave timber.

Ascend abruptly over slide rock.

57.00 Enter scattering pine timber,on

Top of ridge,bearing NW.and SE.

Descend.

69.00 Leave timber.

80.10 The cor.of secs.15-16-21 and 22.

Land,mountainous.

Soil;rocky,3rd and 3th rate.

SUBDIVISIONS OF T.4 N.,R.3 W.

CHAINS	
	Mountainous land or heavily timbered on 80.10 chs.
	Nov.6,Nov.15,1903.
	On account of heavy snows in the higher altitudes,I abandon work for the season at this point.
	Nov.16,1903:From the cor.of secs.4-5-32 and 33,on the S.bdy of the Tp.,which is a sandstone rock in place, 18x12x10 ins.above ground,marked and witnessed as described by Herman E.Freudenthal,D.S.,under his cont.,No. 268,I run
	N.0°03'W.,bet.secs.32 and 33.
	Ascend over rocky land through heavy pine and over dead and fallen timber.
3.00	Top of spur projects SE.
	Descend.
20.00	Creek,6 lks.wide,2 ins.deep,in bottom of hollow,300 ft.below top of spur,course E.
	Ascend,over sandstone boulders.
32.00	Top of spur projects E.
	Descend.
	Point for ¼ sec.cor.,falls on sandstone rock in place, 24x18x8 ins.above ground;cut a cross (x) at exact cor. point,for ¼ sec.cor.,marked ¼ on W.side of cross;from which
	A pine,14 ins.diam.,bears S.39°30'E.,20 lks.dist., marked ¼ S 33 B T.
	A pine,7 ins.diam.,bears S.23°W.,31 lks.dist., marked ¼ S 32 B T.
44.70	Spring branch,6 lks.wide,2 ins.deep,in bottom of hollow 100 ft.deep,course SE.
63.00	To east shore of lake,area about 20 acres,1.00 ch.west of line.
73.00	Top of ridge bears NW.and SE.
	Descend.
80.00	Point for cor.falls on a striated sandstone rock in

SUBDIVISIONS OF T.4 N.,R.3 W.

CHAINS

place,4x3x2½ ft.above ground;Cut a cross(x)at exact cor. point,for cor.of secs.28-29-32 and 33,marked with 4 grooves on the E.and 1 groove on the S.side of cross; from which

A pine,8 ins.diam.,bears N.62°30'E.,44 lks.dist., marked T 4 N R 3 W S 28 B T.

A pine,10 ins.diam.,bears S.35°E.,25 lks.dist., marked T 4 N R 3 W S 33 B T.

A pine,12 ins.diam.,bears S.32°30'W.,66 lks.dist., marked T 4 N R 3 W S 32 B T.

A pine,16 ins.diam.,bears N.85°W.,80 lks.dist., marked T 4 N R 3 W S 29 B T.

Land,mountainous.

Soil;rocky,3rd and 4th rate.

Timber,pine.

Mountainous and heavily timbered land on 80.00 chs.

N.89°50'E.on a random line bet.secs.28 and 33.

40.00 Set temp.¼ sec.cor.

80.20 Intersect N.and S.line,11 lks.N.of the cor.of secs. 27-28-33 and 34.

Thence I run

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

Ascend along south slope of mountain,over sandstone boulders,through heavy pine timber.

26.00 Leave timber.

32.00 Begin gradual descent.

40.10 Point for ¼ sec.cor.falls on a sandstone rock in place, 18x18x12 ins.above ground;cut a cross (x)at exact cor. point,for ¼ sec.cor.,marked ¼ on N.side of cross;and raise a mound of stone,2 ft.base,1½ ft.high,N.of cor. Pits impracticable.

47.00 Begin abrupt descent.

73.00 Bottom of gulch,400 ft.deep,course SE.

SUBDIVISIONS OF T.4 N.,R.3 W.

CHAINS	
	Ascend.
80.20	The cor.of secs.28-29-32 and 33.
	Land,mountainous.
	Soil;rocky,3rd and 4th rate.
	Timber,pine.
	Mountainous or heavily timbered land on 80.20 chs.
	N.0°03'W.,bet.secs.28 and 29.
	Ascend over mountainous land through scattering pine timber.
2.00	Leave timber.
14.00	Top of rocky ridge bears NW.and SE.
	Descend.
19.00	Begin abrupt descent.
40.00	Point for ¼ sec.cor.,falls on a sandstone rock in place 4x3x3 ft.above ground;cut a cross(x)at exact cor.point, for ¼ sec.cor.,marked ¼ on W.side of cross;and raise a mound of stone 2 ft.base,1½ ft.high,W.of cor.
	Pits impracticable.
42.00	Bottom of gulch,300 ft.deep,course NE.
	Begin abrupt ascent.
67.00	Top of rocky ridge bears NE.and SW.
	Descend.
70.00	Begin abrupt descent.
80.00	Point for cor.,falls on a sandstone rock in place, 8x4x2 ft.above ground;cut a cross(x)at exact cor.point for cor.of secs.20-21-28 and 29,marked with 2 grooves on the S.and 4 grooves on the E.side of cross;and raise a mound of stone,2 ft.base,1½ ft.high,W.of cor.
	Pits impracticable.
	Land,mountainous.
	Soil;rocky,3rd and 4th rate.
	Timber,pine.
	Mountainous land on 80.00 chs.

Nov.16,1903.

SUBDIVISIONS OF T.4 N.,R.3 W.

CHAINS Nov.17,1903.

N.89°55'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,5 lks.N.of the cor.of secs. 21-22-27 and 28.

Thence I run

S.89°57'W.,on a true line

bet.secs.21 and 28.

Ascend abruptly over slide rock along the south slope of spur.

40.05 On top of ridge,bearing NE.and SW.

Set a sandstone,18x10x6 ins.,12 ins.in the ground,for $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on N.face;and raise a mound of stone,2 ft.base,1$\frac{1}{2}$ ft.high,N.of cor.

Pits impracticable. Descend over slide rock along the N.slope of ridge.

80.10 The cor.of secs.20-21-28 and 29.

Land,mountainous.

Soil;rocky,3rd and 4th rate.

No timber.

Mountainous land 80.10 chs.

N.0°03'W.,bet.secs.20 and 21.

Descend abruptly over sandstone ledges and slide rock.

34.00 Enter heavy pine timber,bearing NE.and SW.

40.00 Set a sandstone,17x9x7 ins.,11 ins.in the ground,for $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on W.face;from which

A pine,14 ins.diam.,bears S.30°E.,30 lks.dist., marked $\frac{1}{4}$ S 21 B T.

A pine,12 ins.diam.,bears S.80°W.,50 lks.dist., marked $\frac{1}{4}$ S 20 B T.

43.00 Spring branch,4 lks.wide,2 ins.deep,in bottom of hollow, 1000 ft.below top of ridge,course E.

Ascend.

46.00 Top of spur projects E.

Descend.

SUBDIVISIONS OF T.4 N.,R.3 W.

CHAINS	
69.00	Creek,20 lks.wide,6 ins.deep,in bottom of canon,500 ft. below top of spur,course SE.
	Ascend.
80.00	Set a sandstone,19x7x6 ins.,13 ins.in the ground,for cor.of secs.16-17-20 and 21,marked with 3 notches on the S.and 4 notches on the E.edge;from which
	A pine,10 ins.diam.,bears N.49°E.,28 lks.dist., marked T 4 N R 3 W S 16 B T.
	A pine,8 ins.diam.,bears S.60°E.,23 lks.dist., marked T 4 N R 3 W S 21 B T.
	A pine,12 ins.diam.,bears S.73°W.,34 lks.dist., marked T 4 N R 3 W S 20 B T.
	A pine,10 ins.diam.,bears N.40°W.,43 lks.dist., marked T 4 N R 3 W S 17 B T.
	Land,mountainous.
	Soil;rocky,3rd and 4th rate.
	Timber pine.
	Mountainous land or heavily timbered on 80.00 chs.

	N.89°57'E.on a random line bet.secs.16 and 21.
40.00	Set temp.$\frac{1}{4}$ sec.cor.
80.14	Intersect N.and S.line,7 lks.N.of the cor.of secs. 15-16-21 and 22.
	Thence I run West on a true line bet.secs.16 and 21.
	Descend along SW.slope of ridge over slide rock.
15.00	Leave slide rock.
	Enter heavy pine and scattering aspen timber,bearing NW.and SE.
17.00	Bottom of small draw,100 ft.deep,course SE.
	Ascend.
30.00	Top of ridge bears NW.and SE.
	Descend.

SUBDIVISIONS OF T.4 N.,R.3 W.

CHAINS

40.07 Set a sandstone,17x11x8 ins.,11 ins.in the ground,for ¼ sec.cor.,marked ¼ on N.face;from which

A pine,10 ins.diam.,bears N.15°E.,20 lks.dist., marked ¼ S 16 B T.

An aspen,5 ins.diam.,bears S.55°W.,46 lks.dist., marked ¼ S.21 B.T.

50.00 Leave scattering aspen timber.

60.00 Bottom of hollow,300 ft.deep,course SE.

Ascend.

69.00 Top of spur projects SE.

Descend.

72.50 Spring branch,3 lks.wide,2 ins.deep,in bottom of draw, 100 ft.deep,course SE.

Ascend.

80.14 The cor.of secs.16-17-20 and 21.

Land,mountainous.

Soil;rocky,3rd and 3th rate.

Timber,pine and aspen.

Mountainous or heavily timbered land on 80.14 chs.

November 17,1903.

On account of heavy snows in the higher altitudes,I abandon the work for the season at this point.

Nov.18

From the cor.of secs.5-6-31 and 32,on the south bdy. of the Tp.,which is a quartzite stone,10x10x5 ins.above ground,marked and witnessed as described by Herman E. Freudenthal,D.S.,under his cont,No.268,I run

N.0°04'W.,bet.secs.31 and 32.

Ascend over mountainous land through heavy pine timber.

20.00 Top of spur projects SE.

Descend.

27.00 Head of hollow,course E.

Ascend.

SUBDIVISIONS OF T.4 N.,R.3 W.

CHAINS	
	Descend.
40.00	Set a sandstone,18x9x9 ins.,12 ins.in the ground,for ¼ sec.cor.,marked ¼ on W.face;from which
	A pine,12 ins.diam.,bears S.14°30'E.,52 lks.dist., marked ¼ S 32 B T.
	A pine,7 ins.diam.,bears S.76°W.,1.10 chs.dist., marked ¼ S 31 B T.
45.00	Spring branch,4 lks.wide,in bottom of hollow,300 ft. below top of spur,course E.
	Ascend.
80.00	Set a sandstone,15x10x10 ins.,10 ins.in the ground,for cor.of secs.29-30-31 and.32,marked with 1 notch on the S.and 5 notches on the E.edge;from which
	A pine,8 ins.diam.,bears N.36°45'E.,8 lks.dist., marked T 4 N R 3 W S 29 B T.
	A pine,6 ins.diam.,bears S.26°45'E.,24 lks.dist., marked T 4 N R 3 W S 32 B T.
	A pine,5 ins.diam.,bears S.51°15'W.,40 lks.dist., marked T 4 N R 3 W S 31 B T.
	A pine,6 ins.diam.,bears N.62°W.,25 lks.dist., marked T 4 N R 3 W S 30 B T.
	Land,mountainous.
	Soil:rocky,3rd and 4th rate.
	Timber,pine.
	Mountainous and heavily timbered land on 80.00 chs.

	N.89°50'E.on a random line bet.secs.29 and 32.
40.00	Set temp.¼ sec.cor.
79.00	Intersect N.and S.line,11 lks.N.of the cor.of secs. 28-29-32 and 33.
	Thence I run
	S.89°55'W.,on a true line bet.secs.29 and 32.
	Ascend over slide rock and through scattering pine timber.

SUBDIVISIONS OF T.4 N.,R.3 W.

CHAINS

5.00 Leave timber.

9.00 Top of ridge bears NW.and SE.

Descend.abruptly over slide rock.

15.00 Enter heavy pine timber,bearing NW.and SE.

Begin gradual descent.

39.95 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 pine,30 ins.diam.,bears N.41°30'W.,6 lks.dist., marked $\frac{1}{4}$ S 29 B T.

A pine,5 ins.diam.,bears S.21°E.,38 lks.dist., marked $\frac{1}{4}$ S 32 B T.

47.00 To east side of lake,bearing N.and S.,area about 15 acres

To pass lake,I offset S.,5.00 chs.

Thence S.89°55'W.,on the offset line,16.00 chs.to

63.00 offset N.,5.00 chs.to true line,to

W.side of lake,bearing N.and S.

Ascend abruptly.

75.00 Top of spur projects SE.

79.90 The cor.of secs.29-30-31 and 32.

Land,mountainous.

Soil;rocky,3rd and 4th rate.

Timber,pine.

Mountainous land on 79.90 chs.

S.89°50'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 the Tp.,15 lks.S.of the cor.of secs. 25-30-31 and 36,heretofore described.

Thence I run

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

Along south slope of a rocky spur,descend abruptly over slide rock and sandstone boulders.

SUBDIVISIONS OF T.4 N.,R.3 W.

CHAINS	
27.00	Begin more gradual descent.
	Enter heavy pine timber,bearing NW.and SE.
37.70	Set a sandstone,20x14x4 ins.,15 ins.in the ground,for ¼ sec.cor.,marked ¼ on N.face;from which
	A pine,20 ins.diam.,bears N.20°E.,31 lks.dist., marked ¼ S 30 B T.
	A pine,8 ins.diam.,bears S.57°30'E.,8 lks.dist., marked ¼ S 31 B T.
58.00	Begin abrupt descent.
77.70	The cor.of secs.29-30-31 and 32.
	Land,mountainous.
	Soil;rocky,3rd and 4th rate.
	Timber,pine.
	Mountainous or heavily timbered land on 77.70 chs.
	November.18,1903.

	Nov.19.
	N.0°04'W.,bet.secs.29 and 30.
	Ascend over rocky land through heavy pine and dead and fallen timber.
2.00	Top of ridge bears NW.and SE.
	Descend.
18.60	To S.edge of lake,area about 18 acres,bearing NE.and SW.
	To pass lake,I offset
	E.,5 chs.,
	Thence N.0°04'W.,15.40 chs.,to
34.00	W.,5.00 chs.to true line,to N.edge
	of lake,bearing NE.and SW.
	Ascend abruptly over sandstone boulders,through scattering pine timber.
40.00	Set a sandstone,24x18x12 ins.,18 ins.in the ground,for ¼ sec.cor.,marked ¼ on W.face;and raise a mound of stone,2 ft.base,1½ ft.high,W.of cor.
	Pits impracticable.

SUBDIVISIONS OF T.4 N.,R.3 W.

CHAINS

60.00 Leave scattering timber. Continue ascent over slide rock.

70.00 Top of rocky ridge bears NW.and SE. Begin abrupt descent.

80.00 Point for cor.falls on a sandstone in place,3x2x2 ft.abov ground;cut a cross (x) at exact cor.point for cor.of secs 19-20-29 and 30,marked with 2 grooves on the S.and 5 groo e on the E.side of cross;and raise a mound of stone 2 ft. base 1½ ft.high W.of cor. Pits impracticable.

Land mountainous

Soil rocky,3rd.and 4th. rate. Timber,pine.

Mountainous or heavily timbered land on 80.00 chs.

N.89°55'E.on arandom linebetween secs.20 and 29.

40.00 Set temp.¼ sec.cor.

80.06 Intersect N.and S.line,7 lks.S.of the cor.of secs. 20-21-28 and 29.

Thence I run S.89° 52'W. on a true line bet.secs.20 and 29.

Over mountainous land along N.slope of rocky spur,descend over slide rock and sandstone boulders.

31.00 Bottom of gulch 300 ft.deep,course NE. Ascend.

40.03 Set a sandstone 20x10x10 ins.,15 ins.in the ground for ¼ sec.cor.,marked ¼ on N.face;and raise a mound of stone 2 ft.base,1½ ft.high,N.of cor. Pits impracticable.

58.00 Top of spur projects NE. Descend.

80.06 The cor.of secs.19-20-29 and 30.

Land mountainous.

Soil rocky 3rd.and 4th.rate. No timber.

Mountainous land on 80.06 chs.

S.89°56'W.on a random line bet. secs.19 and 30.

40.00 Set temp. ¼ sec.cor.

77.50 Intersect W. bdy.of the Tp.,at the cor.of secs.19-24-25 and 30,heretofore described.

Thence I run N.89°56'E.

on a true line bet.secs.19 and 30.

SUBDIVISIONS OF T.4 N.,R.3 W.

CHAINS	
	the south slope of a rocky ridge.
37.50	Point for ¼ sec.cor.falls on a sandstone rock in place 4x3x1 ft.above ground ;cut a cross (x) at exact cor.point for ¼ sec.cor.,marked ¼ on N.side of cross;and raise a mound of stone 2 ft.base 1½ ft.high,N.of cor.
53.00	Top of rocky ridge bears NW.and SE. Descend.
77.50	The cor.of secs.19-20-29 and 30:
	Land mountainous
	Soil rocky 3rd.and 4th.rate. No timber.
	Mountainous land on 77.50 chs. Nov.19,1903.
	Nov.20,1903. N.0°04'W.,bet.secs.19 and 20.
	Descend abruptly over huge sandstone boulders and slide rock.
27.00	Bottom of hollow 300 ft.deep,course NE. Ascend.
36.00	Top of ridge bears NE.and SW. Descend gently.
40.00	Point for sec.cor.falls on sandstone in place,14x12x10 ft.above ground;cut a cross (x) at exact cor.point for ¼ sec.cor.marked ¼ on W.side of cross,and raise a mound of stone 2 ft.base 1½ ft.high W.of cor.Pits impracticable.
50.00	Head of small draw course NE. Ascend.
	Enter dense pine timber bears E.and W.
54.00	Top of small spur projects NE. Descend.
80.00	Set asandstone 16x12x6 ins.11ins.in the ground for cor. of secs.17-18-19 and 20 marked with 5 notches on the E. and 3 notches on the S.edge, from which
	A pine 14 ins.diam. bears N.20°E.51 links dist.marked T4N R3WR S17 BT
	A pine 12 ins.diam. bears S52°E.44 links dist.marked T4N R3W S20 BT.
	A pine 16 ins.diam.bears N.26°W.51 links dist.marked T4N R3W S18 BT.
	A pine 10 ins.diam.bears S.68°W.1.05 chs.dist.marked T4N R3W S19 BT.
	Land mountainous.
	Soil rocky;3rd and 4th rate.
	Timber,pine.
	Mountainous or heavily timbered land 80.00 chains.

SUBDIVISIONS OF T.4 N. R.3 W.

CHAIN.

N.89°52'E.on a random line bet.secs.17 and 20.

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

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

Thence I run

S.89°56'W.,on a true line bet.secs.17 and 20.

Descend gradually through heavy pine timber.

16.00 Leave heavy and enter scattering pine timber.

20.50 Creek,27 lks.wide,6 ins.deep,in bottom of canon, 500 ft.deep,course SE.

Thence ascend gradually along bottom of canon through dense willow brush.

25.00 Same creek 30 lks.wide,course NE.

39.99 Set a sandstone,17x11x7 ins.,11 ins.in the ground,for $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on N.face;from which

A pine,16 ins.diam.,bears N.22°W.,61 lks.dist., marked $\frac{1}{4}$ S 17 B T.

A pine,10 ins.diam.,bears S.66°40'E.,32 lks.dist., marked $\frac{1}{4}$ S 20 B T.

41.75 Same creek,30 lks.wide,6 ins.deep,course SE.

50.00 Leave willow brush,and enter heavy pine timber.

Leave bottom of canon,bearing NW.and SE.

Ascend.

79.98 The cor.of secs.17-18-19 and 20.

Land,mountainous.

Soil;rocky,3rd and 4th rate.

Timber,pine.

Mountainous or heavily timbered land on 79.98 chs.

S.89°56'W.on a random line bet.secs.18 and 19.

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

77.45 Intersect W.bdy.of the Tp.,12 lks.S.of the cor.of secs. 13-18-19 and 24,heretofore described.

SUBDIVISIONS OF T.4 N.,R.3 W.

CHAINS	
	Thence I run
	S.89°59'E.,on a true line
	bet.secs.18 and 19.
	Descend gradually through heavy pine timber.
37.45	Set a sandstone,19x10x3 ins.,13 ins.in the ground,for
	$\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on N.face;from which
	A pine,7 ins.diam.,bears N.27°E.,44 lks.dist.,
	marked $\frac{1}{4}$ S 18 B T.
	A pine,16 ins.diam.,bears S.12°E.,47 lks.dist.,
	marked $\frac{1}{4}$ S 19 B T.
56.50	Spring branch,2 lks.wide,2 ins.deep,in bottom of
	hollow,100 ft.deep,course NE.
	Ascend.
60.00	Descend.
63.00	Creek,10 lks.wide,8 ins.deep,cours NE.
	Ascend.
77.45	The cor.of secs.17-18-19 and 20.
	Land,mountainous.
	Soil;rocky,3rd and 4th rate.
	Timber,pine.
	Mountainous and heavily timbered land on 77.45 chs.
	Nov.20,1903.

	Nov.21.
	N.0°04'W.,bet.secs.17 and 18.
	Descend gradually over rocky land through heavy pine
	timber.
5.40	Creek branch,10 lks.wide,8 ins.deep,at mouth of ravine,
	300 ft.deep,course NE.
	Ascend.
8.00	Descend.
12.00	Creek.20 lks.wide,in bottom of canon,500 ft.deep,course
	SE.
	Ascend.
33.00	Top of spur projects SE.

SUBDIVISIONS OF T.4 N.,R.3 W.

CHAINS

Descend.

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 pine,12 ins.diam.,bears N.72°E.,49 lks.dist., marked $\frac{1}{4}$ S 17 B T.

A pine,10 ins.diam.,bears N.49°W.,72 lks.dist., marked $\frac{1}{4}$ S 18 B T.

Cor.falls in bottom of small draw,75 ft.deep,course SE.

Ascend.

55.00 Continue ascent over slide rock.

Leave timber.

80.00 Set a sandstone,20x10x10 ins.,15 ins.in the ground,for cor.of secs.7-8-17 and 18,marked with 4 notches on the S and 5 notches on the E.edge;and raise a mound of stone, 2 ft.base,1½ ft.high,W.of cor.

Pits impracticable.

Land,mountainous.

Soil;rocky,3rd and 4th rate.

Timber,pine.

Mountainous or heavily timbered land on 80.00 chs.

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,9 lks.N.of the cor.of secs. 8-9-16 and 17.

Thence I run

West,on a true line bet.secs.8 and 17.

Descend gradually along south slope of ridge,through heavy pine and aspen timber.

32.00 Leave timber.

40.05 Set a sandstone,16x10x6 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,1½ ft.high,N.of cor.

SUBDIVISIONS OF T.4 N.,R.3 W.

CHAINS	
	Pits impracticable.
	Begin gradual ascent.
33.00	Top of ridge, bears NW. and SE. Ascend.
80.10	The cor.of secs.7-8-17 and 18.
	Land,mountainous.
	Soil;rocky,3rd and 4th rate.
	Timber,pine and aspen.
	Mountainous land or heavily timbered on 80.10 chs.

	N.89°59'W.on a random line bet.secs.7 and 18.
40.00	Set temp.$\frac{1}{4}$ sec.cor.
77.40	Intersect W.bdy.of the Tp.,3 lks.N.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 rocky land and slide rock,ascend abruptly.
10.00	Top of slide rock spur projects S.
	Descend.
20.00	Bottom of hollow,200 ft.deep,course S.
	Ascend.
37.40	Set a sandstone,18x11x7 ins.,12 ins.in the ground,for
	$\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on N.face;and raise a mound of
	stone,2 ft.base,1$\frac{1}{2}$ ft.high,N.of cor.
	Pits impracticable.
69.00	Top of ridge, bears NE. and SW. Descend.
77.40	The cor.of secs.7-8-17 and 18.
	Land,mountainous.
	Soil;rocky,3rd and 4th rate.
	No timber.
	Mountainous land on 77.40 chs.
	Nov.21,1903.
	On account of the heavy snows in higher altitudes,
	I abandon the work for the season at this point.

SUBDIVISIONS OF T.4 N.,R.3 W.

CHAINS	
	Survey commenced June 17,1904.,and executed with the instrument described in book "E",of this survey.
	At the cor.of secs.13-14-23 and 24,heretofore described, in approximate latitude,40°45'N.,longitude 110°12½'W.; and at 1h44m a.m.,l.m.t.,observe Polaris at eastern elongation of Polaris,according to instructions in the Manual,and mark the line thus determined,by a tack driven in a wooden peg,set in the ground,5 chs.N.of my station.
	At 6 a.m.,l.m.t.,I lay off 1°35.8'to the west,and mark the meridian thus determined,by cutting a mark on a stone,firmly set in the ground,west of the mark established last night.
	The magnetic bearing of the true merdian is N.16°38' W.,which gives the magnetic decl.16°38'E.
	Thence I run
	N.0°01'W.,bet.secs.13 and 14.
	Descend over mountainous land over broken sandstone ledge
6.00	Spring Creek,10 lks.wide,6 ins.deep,course SW.,in bottom of hollow,200 ft.deep,course SW.
	Ascend.
	Enter heavy pine timber,bearing NE.and SW.
40.00	Set a sandstone,15x7x6 ins.,10 ins.in the ground,for ¼ sec.cor.,marked ¼ on W.face;from which
	A pine,7 ins.diam.,bears N.52°E.,15 lks.dist., marked ¼ S 13 B.T.
	A pine,6 ins.diam.,bears S.47°W.,62 lks.dist., marked ¼ S 14 B T.
58.00	Leave heavy timber,bearing E.and W.
80.00	Set a sandstone,18x8x4 ins.,12 ins.in the ground,for cor.of secs.11-12-13 and 14,marked with 1 notch on the E.and 4 notches on the S.edge;and raise a mound of stone,2 ft.base,1½ ft.high,W.of cor.
	Pits impracticable.
	Land,mountainous.
	Soil

SUBDIVISIONS OF T.4 N.,R.3 W.

CHAINS	
	Soil;rocky,3rd and 4th rate.
	Timber,pine.
	Mountainous or heavily timbered land on 80.00 chs.

	N.89°54'E.on a random line bet.secs.12 and 13.
40.00	Set temp.$\frac{1}{4}$ sec.cor.
80.06	Intersect E.bdy.of the Tp.,19 lks.N.of the cor.of secs.7-12-13 and 18,which is a rock in place,4x2x2 ft. above ground,marked and witnessed as described under Cont.,No.268,Herman E.Freudenthal,D.S.
	Thence I run
	N.89°58'W.,on a true line bet.secs.12 and 13.
	Descend along N.side of rocky ridge,over huge sandstone boulders and slide rock.
40.03	Set a sandstone,15x10x5 ins.,10 ins.in the ground,for $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on N.face;and raise a mound of stone,2 ft.base,1$\frac{1}{2}$ ft.high,N.of cor.
	Pits impracticable.
70.00	Top of spur projects NW.
	Descend over broken sandstone ledges.
80.06	The cor.of secs.11-12-13 and 14.
	Land,mountainous.
	Soil;rocky,3rd and 4th rate.
	No timber.
	Mountainous land on 80.06 chs.

	N.0°01'W.,bet.secs.11 and 12.
	Over rocky mountainous land,ascend over huge boulders and slide rock.
4.20	Top of spur projects W.
	Descend.

SUBDIVISIONS OF T.4 N.,R.3 W.

CHAINS

27.00 Enter dense pine timber,bearing E.and W.

40.00 Set a sandstone,14x7x6 ins.,9 ins.in the ground,for $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on W.face;from which

A pine,10 ins.diam.,bears S.56°E.,23 lks.dist., marked $\frac{1}{4}$ S 12 B T.

A pine,6 ins.diam.,bears S.23°W.,7 lks.dist., marked $\frac{1}{4}$ S 11 B T.

54.60 Creek,15 lks.wide,6 ins.deep,in bottom of hollow, 500 ft.below top of spur,course W.

Ascend.

64.50 South side of heavily timbered bench,bearing NW.and SE.

76.50 N.side of same bench,bearing NE.and SW.

Descend.

80.00 Set a sandstone,17x9x6 ins.,11 ins.in the ground,for cor.of secs.1-2-11 and 12,marked with 5 notches on the S.and 1 notch on the E.edge;from whcich

A pine,12 ins.diam.,bears N.72°E.,46 lks.dist., marked T 4 N R 3 W S 1 B T.

A pine,10 ins.diam.,bears S.47°E.,8 lks.dist., marked T 4 N R 3 W S 12 B T.

A pine,7 ins.diam.,bears S.12°W.,19 lks.dist., marked T 4 N R 3 W S 11 B T.

A pine,16 ins.diam.,bears N.57°30'W.,72 lks.dist., marked T 4 N R 3 W S 2 B T.

Land,mountainous.

Soil;rocky,3rd and 4th rate.

Timber,pine.

Mountainous or heavily timbered land on 80.00 chs.

June 17,1904.

June 18,1904.

S.89°58'E.on a random line bet.secs.1 and 12.

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

80.30 Intersect E.bdy.of the Tp.,19 lks.N.of the cor.of secs. 1-6-7 and 12,which is a granite stone,12x5x5 ins.above

CHAINS	
	ground,marked and witnessed as described by Herman E. Freudenthal,B.S.,under his cont.,No.268.
	Thence I run
	N.89°50'W.on a true line
	bet.secs.1 and 12.
	Descend over rocky land through heavy pine timber.
40.15	Set a sandstone,20x8x4 ins.,15 ins.in the ground,for ¼ sec.cor.,marked ¼ on N.face;from which
	A pine,12 ins.diam.,bears N.82°E.,25 lks.dist., marked ¼ S 1 B T.
	A pine,10 ins.diam.,bears S.33°W.,48 lks.dist., marked ¼ S 12 B T.
73.00	Begin abrupt descent.
80.30	The cor.of secs.1-2-11-12.
	Land,mountainous.
	Soil:rocky,3rd and 4th rate.
	Timber,pine.
	Mountainous land and heavily timbered on 80.30 chs.

	N.0°01'W.,on a true line,bet.secs.1 and 2.
	Descend over rocky land through heavy pine timber.
9.10	Creek,15 lks.wide,10 ins.deep,in bottom of hollow,300 ft.deep,course SW.
	Ascend.
40.00	Set a sandstone,15x9x6 ins.,10 ins.in the ground,for ¼ sec.cor.,marked ¼ on W.face;from which
	A pine,16 ins.diam.,bears N.69°30'E.,62 lks.dist., marked ¼ S 1 B T.
	A pine,14 ins.diam.,bears N.41°W.,39 lks.dist., marked ¼ S 2 B T.
58.00	Top of ridge,bears NE. and SW. Descend.
79.00	Intersect 1st Standard Parallel North,55 lks.E.of the standard cor.of secs.35 and 36,heretofore described.
	Set a sandstone,16x12x12 ins.,11 ins.in the ground,for closing cor.to cor.of secs.1 and 2.,marked CC on S.,with

SUBDIVISIONS OF T.4 N.,R.3 W.

CHAINS

1 groove on the E.and 5 grooves on the W.face;from which

A pine,10 ins.diam.,bears S.72°E.,1.03 chs.dist., marked T 4 N R 3 W S 1 B T.

A pine,12 ins.diam.,bears S.1°30'W.,87 lks.dist., marked T 4 N R 3 W S 2 B T.

Land,mountainous.

Soil;rocky,3rd and 4th rate.

Timber,pine.

Mountainous and heavily timbered land on 79.90 chs.

June 18,1904.

June 19: From the cor.of secs.14,15,22,and 23,I run N.0°02'W.,bet.secs.14 and 15.

Descend over rock slide and dead and fallen pines,and through heavy live pine timber,

9.50 Spring branch,2 lks.wide,2 ins.deep,in bottom of hollow, 200 ft.deep,course SE.

Begin gradual ascent.

40.00 Set a sandstone,14x8x6 ins.,9 ins.in the ground,for ¼ sec.cor.,marked ¼ on W.face;from which

A pine,6 ins.diam.,bears S.21°E.,14 lks.dist., marked ¼ S 14 B T.

A pine,6 ins.diam.,bears S.89°W.,8 lks.dist., marked ¼ S 15 B T.

48.00 Descend.

66.00 Creek,10 lks.wide,4 ins.deep,in bottom of hollow,300 ft.deep,course E.

Ascend abruptly over slide rock.

70.00 Top of spur projects SE.

Descend.

80.00 Set a sandstone,18x12x6 ins.,12 ins.in the ground,for cor.of secs.10-11-14 and 15,marked with 4 notches on the S.and 2 notches on the E.edge;from which

A pine,12 ins.diam.,bears N.18°E.,29 lks.dist.,

SUBDIVISIONS OF T.4 N.,R.3 W.

CHAINS	
	marked T 4 N R 3 W S 11 B T.
	A pine,5 ins.diam.,bears S.7°E.,6 lks.dist.,
	marked T 4 N R 3 W S 14 B T.
	A pine,6 ins.diam.,bears S.32°W.,18 lks.dist.,
	marked T 4 N R 3 W S 13 B T.
	A pine,24 ins.diam.,bears N.21°W.,18 lks dist.,
	marked T 4 N R 3 W S 10 B T.
	Land,mountainous.
	Soil;rocky,3rd and 4th rate.
	Timber,pine.
	Mountainous land and heavily timbered on 80.00 chs.

	N.89°57'E.on a random line bet.secs.11 and 14.
40.00	Set temp.$\frac{1}{4}$ sec.cor.
80.00	Intersect N.and S.line,12 lks.N.of the cor.of secs.
	11-12-13 and 14.
	Thence I run
	N.89°58'W.,on a true line
	bet.secs.11 and 14.
	Descend over rocky and broken land through heavy pine
	timber.
40.00	Point for $\frac{1}{4}$ sec.cor.,falls on a rock in place,3x2x1
	ft.above ground;cut a cross(x)at exact cor.point,for
	$\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on N.side of cross;from which
	A pine,7 ins.diam.,bears N.10°W.,30 lks.dist.,
	marked $\frac{1}{4}$ S 11 B T.
	A pine,8 ins.diam.,bears S.6°E.,64 lks.dist.,
	marked $\frac{1}{4}$ S 14 B T.
74.00	Begin abrupt descent.
	Enter bottom of canon,bearing NW.and SE.
78.00	Uintah River,30 lks.wide,12 ins.deep,in bottom of
	canon,500 ft.deep,course SE.
	Begin abrupt ascent.
80.00	The cor.of secs.14-15-10 and 11.

CHAINS	
	Land, mountainous.
	Soil; rocky, 3rd and 4th rate.
	Timber, pine.
	Mountainous and heavily timbered land on 80.00 chs.

	N.0°02'W., bet. secs. 10 and 11.
	Begin abrupt descent through heavy pine timber, over huge sandstone boulders.
2.00	Bottom of canon, bearing NW. and SE. Descend gradually.
3.50	Uintah River, 30 lks. wide, 10 ins. deep, in bottom of canon, 500 ft. deep, course SE.
	Begin gradual ascent.
4.00	Leave bottom of canon, bearing NW. and SE.
	Begin abrupt ascent.
8.00	Top of spur projects SE.
	Descend.
13.00	Head of hollow, course SE. Ascend along E. slope of rid e.
33.00	Top of ridge bears NE. and SW.
	Descend.
40.00	Set a sandstone, 20x12x8 ins., 15 ins. in the ground, for ¼ sec. cor., marked ¼ on W. face; from which
	A pine, 8 ins. diam., bears S.78°E., 21 lks. dist., marked ¼ S 11 B T.
	A pine, 6 ins. diam., bears N.13°W., 20 lks. dist., marked ¼ S 10 B T.
52.30	Enter bottom of canon, bearing NE. and SW.
53.20	Creek, 15 lks. wide, 5 ins. deep, in bottom of canon, 400 ft. deep, course SW.
	Begin abrupt ascent, leaving bottom of canon.
66.50	Top of spur projects SW.
	Descend.
80.00	Set a sandstone, 20x12x8 ins., 15 ins. in the ground, for cor. of secs. 2-3-10 and 11, marked with 5 notches on the S. and 2 notches on the E. edge; from which

CHAINS	
	A pine,11 ins.diam.,bears N.36°E.,12 lks.dist., marked T 4 N R 3 W S 2 B T.
	A pine,6 ins.diam.,bears S.21°30'E.,8 lks.dist., marked T 4 N R 3 W S 11 B T.
	A pine,7 ins.diam.,bears S.49°W.,41 lks.dist., marked T 4 N R 3 W S 10 B T.
	A pine,5 ins.diam.,bears N.31°W.,36 lks.dist., marked T 4 N R 3 W S 3 B T.
	Land,mountainous
	Soil;rocky,3rd and 4th rate.
	Timber,pine.
	Mountainous and heavily timbered land on 80.00 chs.
	June 19,1904.

	June 20:
	S.82°58'E.,on a random line bet.secs.2 and 11.
40.00	Set temp.$\frac{1}{4}$ sec.cor.
80,12	Intersect N.and S.line,18 lks.N.of the cor.of secs. 1-2-11 and 12.
	Thence I run
	N.89°55'W.on a true line bet.secs.2 and 11.
	Descend through heavy pine timber.
6.00	Enter bottom of canon,bearing NE.and SW.
10.00	Creek,12 lks.wide,4 ins.deep,in bottom of canon,300 ft. deep,course SW.
	Begin abrupt ascent over rocky land. Leave timber.
38.00	Top of ridge bears NE.and SW.
	Begin abrupt descent.
40.06	Set a sandstone,18x12x4 ins.,12 ins.in the ground,for $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on N.face;and raise a mound of stone,2 ft.base,$1\frac{1}{2}$ ft.high,N.of cor.
	Pits impracticable.
48.00	Enter heavy pine timber,bearing NE.and SW.

SUBDIVISIONS OF T.4 N.,R.3 W.

CHAINS

59.00 Creek,14 lks.wide,5 ins.deep,in bottom of canon,400 ft. deep,course SW.

Begin abrupt ascent.

72.00 Top of ridge bears NE.and SW.

Begin abrupt descent.

80.12 The cor.of secs.2-3-10 and 11.

Land,mountainous.

Soil;rocky 3rd and 4th rate.

Timber,pine.

Mountainous or heavily timbered land on 80.12 chs.

N.0°02'W.,on a true line

bet.secs.2 and 3.

Descend over rocky land through heavy pine timber.

5.00 Creek,15 lks.wide,5 ins.deep,in bottom of canon,400 ft. deep,course SW.

Ascend along bottom of canon.

23.00 Same creek,[illegible] lks.wide,course SE.

24.00 Leave bottom of canon,bearing NW.and SE.

Ascend along E.slope of rocky spur.

40.00 Set a sandstone,16x12x6 ins.,11 ins.in the ground,for ¼ sec.cor.,marked ¼ on W.face;from which

A pine,9 ins.diam.,bears S.69°E.,29 lks.dist., marked ¼ S 2 B T.

A pine,11 ins.diam.,bears N.30°W.,7 lks.dist., marked ¼ S 3 B T.

79.86 Intersect 1st Standard Parallel North,35 lks.E.of the standard cor.of secs.34 and 35,heretofore described.

Set a sandstone,16x12x6 ins.,11 ins.in the ground,for closing cor.of secs.2 and 3,marked CC on S.,with 4 grooves on the W.and 2 grooves on the E.face;from which

A pine,6 ins.diam.,bears S.40°E.,10 lks.dist., marked T 4 N R 3 W S 2 B T.

A pine,5 ins.diam.,bears S.45°W.,18 lks.dist.,

CHAINS	
	marked T 4 N R 3 W S 3 B T..
	Land,mountainous.
	Soil;rocky,3rd and 4th rate.
	Timber,pine,
	Mountainous and heavily timbered land on 79.86 chs.
	June 20,1904.

	June 21:At the cor.of secs.15-16-21 and 22,in approximate lat.40°44½'N..,longitude110 °14'W.,at 1h 28m a.m.,l.m.t., I observe Polaris at eastern elongation,in accordance with instructions in the manual,and mark the line thus determined,by a tack driven in a wooden peg,set in the ground,5 chs.N.of my station.
	At 6h a.m.,I turn off the azimuth of Polaris,1°35'to the west,and mark the meridian thus determined by cutting a cross on a stone,firmly set in the ground,west of the mark established early this morning.
	The magnetic bearing of the true meridian is N.16°36'. W.,which gives the magnetic decl.,16°36'E.
	From the cor.of secs.15-16-21 and 22,I run
	N.0°02'W.,bet.secs.15 and 16.
	Ascend over huge sandstone boulders and rock slide.
13.00	Top of rocky ridge bears NW.and SE.
	Descend abruptly over sandstone boulders and rock slide.
21.00	Bottom of hollow,200 ft.deep,course SE.
	Begin abrupt ascent.
31.50	Top of ridge bears NW.and SE.
	Descend.
40.00	Set a sandstone,18x12x6 ins.,12 ins.in the ground,for ¼ sec.cor.,marked ¼ on W.face;and raise a mound of stone,2 ft.base,1½ ft.high,W.of cor.
	Begin more gradual ascent.
63.00	Creek 10 lks.wide;4 ins.deep,in bottom of gulch,300 ft.d

SUBDIVISIONS OF T.4 N.,R.3 W.

CHAINS

deep,course E.

Enter heavy pine timber,bearing E.and W.

Ascend abruptly.

72.50 Top of spur projects E.

Descend.

80.00 Set a sandstone,16x7x5 ins.,11 ins.in the ground,for cor.of secs.9-10-15 and 16,marked with 4 notches on the S.and 3 notches on the E.edge;from which

A pine,10 ins.diam.,bears N.30°E.,30 lks.dist., marked T 4 N R 3 W S 10 B T.

A pine,18 ins.diam.,bears S.40°E.,16 lks.dist., marked T 4 N R 3 W S 15 B T.

A pine,20ins.diam,bears SW.34 lks.dist., marked T 4 N R 3 W S 16 B T.

A pine,10 ins.diam.,bears N.72°W.,40 lks.dist., marked T 4 N R 3 W S 9 B T.

Land,mountainous.

Soil;rocky,3rd and 4th rate.

Timber,pine.

Mountainous land or heavily timbered land on 80.00 chs.

N.89°58'E.on a random line bet.secs.10 and 15.

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

80.04 Intersect N.and S.line,9 lks.N.of the cor.of secs. 10-11-14 and 15.

Thence I run

N.89°58'W.on a true line bet.secs.10 and 15.

Ascend abruptly over rocky land through heavy pine timber.

15.00 Top of spur projects SE.

Descend.

40.02 Set a sandstone,16x12x3 ins.,11 ins.in the ground,for

CHAINS	
	¼ sec.cor.,marked ¼ on N.face;from which
	A pine,10 ins.diam.,bears N.37°E.,26 lks.dist.,
	marked ¼ S 10 B T.
	A pine,26 ins.diam.,bears S.35°W.,15 lks.dist.,
	marked ¼ S 15 B T.
65.00	Creek,20 lks.wide,6 ins.deep,in bottom of canon,500 ft.
	deep.course SE.
	Begin abrupt ascent.
80.04	The cor.of secs.9-10-15 and 16.
	Land,mountainous.
	Soil:rocky,3rd and 4th rate.
	Timber,pine.
	Mountainous and heavily timbered land on 80.04 chs.

	N.0°02'W.,bet.secs.9 and 10.
	Descend over rocky land through heavy pine timber.
9.00	Creek,15 lks.wide,5 ins.deep,course SE.,in bottom of
	gulch,300 ft.deep,course SE.
	Ascend.
22.50	Top of ridge bears NW.and SE.
	Descend.
40.00	Set a sandstone,20x8x6 ins.,15 ins.in the ground,for
	¼ sec.cor.,marked ¼ on W.face;from which
	A pine,7 ins.diam.,bears N.80°E.,54 lks.dist.,
	marked ¼ S 10 B T.
	A pine,6 ins.diam.,bears N.54°W.,70 lks.dist.,
	marked ¼ S 9 B T.
60.00	Bottom of gulch,300 ft.deep,course E.
	Ascend.
80.00	Set a sandstone,20x10x6 ins.,15 ins.in the ground,for
	cor.of secs.3-4-9 and 10,marked with 5 noches on the S.
	and 3 notches on the E.edge;from which
	A pine,12 ins.diam.,bears N.16°E.,95 lks.dist.,
	marked T 4 N R 3 W S 3 B T.

SUBDIVISIONS OF T.4 N.,R.3 W.

CHAINS

A pine,8 ins.diam.,bears S.6°E.,75 lks.dist.,
marked T 4 N R 3 W S 10 B T.

A pine,15 ins.diam.,bears S.71°W.,46 lks.dist.,
marked T 4 N R 3 W S 9 B T.

A pine,10 ins.diam.,bears N.86°W.,90 lks.dist.,
marked T 4 N R 3 W S 4 B T.

Land,mountainous.

Soil;rocky,3rd and 4th rate.

Timber,pine.

Mountainous and heavily timbered land on 80.00 chs.

June 21,1904.

June 22:

S.89°58'E.on a random line bet.secs.3 and 10.

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

79.96 Intersect N.and S.line,5 lks.S.of the cor.of secs.
2-3-10 and 11.

Thence I run

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

Descend over rocky land through heavy pine timber.

3.50 Creek,16 lks.wide,5 ins.deep,in bottom of canon,400 ft.d
deep,course SW.

Ascend abruptly over rocky land.

25.00 Top of rocky spur projects S.

Leave timber. Descend.

39.98 Set a sandstone,18x9x5 ins.,12 ins.in the ground,for
$\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on N.face;and raise a mound of stone
2 ft.base,$1\frac{1}{2}$ ft.high,N.of cor.

Pits impracticable.

44.00 Creek,8 lks.wide,4 ins.deep,in bottom of broad hollow,
300 ft.above top of spur,course S.

Over rolling land ascend gradually.

48.00 Begin gradual descent.

54.50 Uintah River,35 links wide,10 ins.deep,in bottom of hollo

SUBDIVISIONS OF T.4 N.,R.3 W.

CHAINS	
	350 ft.below top of spur,course SE.
	Ascend. Enter heavy pine timber,bearing NW.and SE.
79.96	The cor.of secs.3-4-9 and 10.
	Land,mountainous.
	Soil;rocky,3rd and 4th rate.
	Timber,pine.
	Mountainous or heavily timbered land on 79.96 chs.

	N.0°02'W.,on a true line bet.secs.3 and 4.
	Ascend over rocky land through heavy pine timber.
6.00	Top of spur projects NE.
	Descend.
29.00	Uintah River,40 lks.wide,10 ins.deep,in bottom of canon,400 ft.deep,course SE.
	Ascend.
40.00	Set a sandstone,16x10x8 ins.,11 ins.in the ground,for ¼ sec.cor.,marked ¼ on W.face;from which
	A pine,8 ins.diam.,bears N.31°30'E.,37 lks.dist., marked ¼ S 3 B T.
	A pine,6 ins.diam.,bears S.88°W.,12 lks.dist., marked ¼ S 4 B T.
63.00	Top of spur projects SE.
	Descend.
79.88	Intersect 1st Standard Parallel North,30 lks.east of the standard cor.of secs.33 and 34,heretofore described.
	Set a sandstone,18x10x4 ins.,12 ins.in the ground,for closing cor.of secs.3 and 4,marked CC on S.,with 3 grooves on the E.and W.faces:from which
	A pine,12 ins.diam.,bears S.87°E.,1.15 chs.dist., marked T 4 N R 3 W S 3 B T.
	No other trees within limits;and raise a mound of stone,2 ft.base,1½ ft.high,S.of cor.
	Pits impracticable.

SUBDIVISIONS OF T.4 N.,R.3 W.

CHAINS

Land,mountainous.

Soil;rocky.3rd and 4th rate.

Timber,pine.

Mountainous or heavily timbered land on 79.88 chs.

June 22,1904.

June 23: From cor.of secs.16,17,20,and 21,I run N.0°03'W.,bet.secs.16 and 17.

Descend over rocky land through heavy pine timber,

6.00 Spring branch 4 lks.wide,2 ins.deep,in bottom of hollow 100 ft.deep,course SE.

Ascend.

17.00 Top of spur projects SE.

Descend.

29.00 Leave timber. Head of hollow,course SE.

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;and raise a mound of stone,2 ft.base,$1\frac{1}{2}$ ft.high,W.of cor.

Pits impracticable.

This cor.falls on a rocky ridge,bearing NW.and SE.

Descend abruptly. Enter heavy pine timber,bearing E.and W

67.00 Creek,6 lks.wide,3 ins.deep,in bottom of hollow,400 ft. below top of ridge,course NE.

From this point,east end of lake,area about 10 acres, bears W.,11.00 chs.dist.

80.00 Set a sandstone,18x10x8 ins.,12 ins.in the ground,for cor.of secs.8-9-16 and 17,marked with 4 noches on the S.and E.edges;from which

A pine,16 ins.diam.,bears N.16°E.,82 lks.dist., marked T 4 N R 3 W S 9 B T.

A pine,10 ins.diam.,bears S.47°30'E.,55 lks.dist., marked T 4 N R 3 W S 16 B T.

A pine,9 ins.diam.,bears S.60°W.,94 lks.dist.,

SUBDIVISIONS OF T.4 N.,R.3 W.

CHAINS	
	marked T 4 N R 3 W S 17 B T.
	A pine,8 ins.diam.,bears N.71°W.,54 lks.dist.,
	marked T 4 N R 3 W S 8 B T.
	Land,mountainous.
	Soil;rocky,3rd and 4th rate.
	Timber,pine.
	Mountainous or heavily timbered land on 80.00 chs.

	East on a random line,bet.secs.9 and 16.
40.00	Set temp.¼ sec.cor.
80.10	Intersect N.and S.line,7 lks.S.of the cor.of secs.
	9-10-15 and 16.
	Thence I run
	S.89°57'W.,on a true line
	bet.secs.9 and 16.
	Ascend over huge sandstone boulders,through heavy
	young pine and over dead and fallen pine timber.
40.05	On top of ridge bearing NW.and SE.,
	set a sandstone,18x10x6 ins.,12 ins.in the ground,for
	¼ sec.cor.,marked ¼ on N.face;from which
	A pine,10 ins.diam.,bears N.29°30'W.,86 lks.dist.,
	marked ¼ S 9 B T.
	A pine,14 ins.diam.,bears S.30°E.,64 lks.dist.,
	marked ¼ S 16 B T. Descend.
60.00	Head of hollow,course SE.
	Ascend.
80.10	The cor.of secs.8-9-16 and 17.
	Land,mountainous.
	Soil;rocky,3rd and 4th rate.
	Timber,pine.
	Mountainous and heavily timbered land on 80.10 chs.

	N0°03'W.,bet.secs.8 and 9.
	Ascend over rocky land through heavy pine timber.

SUBDIVISIONS OF T.4 N.,R.3 W.

CHAINS

7.00 Top of ridge bears E.and W.

Descend.

31.50 Creek 10 links wide,5 inches deep,in bottom of hollow, 300 ft.below top of ridge,course SE.

Ascend.

40.00 Set a sandstone,16x10x10 ins.,11 ins.in the ground,for $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on W.face;from which

A pine,7 ins.diam.,bears east 4 lks.dist., marked $\frac{1}{4}$ S 9 B T.

A pine,12 ins.diam.,bears N.65°W.,75 lks.dist., marked $\frac{1}{4}$ S 8 B T.

66.00 Ascend abruptly over slide rock,bearing NW.and SE.

Leave pine timber,bearing E.and W.

80.00 On top of ridge bearing NW.and SE.

Set a sandstone,18x10x6 ins.,12 ins.in the ground,for cor.of secs.4-5-8 and 9,marked with 5 notches on the S.and 4 notches on the E.edge;and raise a mound of stone,2 ft.base,$1\frac{1}{2}$ ft.high,W.of cor.

Pits impracticable.

Land,mountainous.

Soil;rocky,3rd and 4th rate.

Timber,pine.

Mountainous or heavily timbered land on 80.00 chs.

June 23,1904.

June 24:

N.89°57'E.,on a random line bet.secs.4 and 9.

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

80.06 Intersect N.and S.line,12 lks.N.of the cor.of secs. 3-4-9 and 10.

Thence I run

N.89°58'W.,on a true line bet.secs.4 and 9.

Ascend through heavy pine timber,over rocky land.

SUBDIVISIONS OF T.4 N.,R.3 W.

CHAINS	
24.00	Top of spur projects NE.
	Descend.
40.03	Point for ¼ sec.cor.,falls on a sandstone rock in place 4x3x2 ft.above ground;cut a cross(x) at exact cor.point for ¼ sec.cor.,marked ¼ on N.face of cross;from which
	A pine,7 ins.diam.,bears N.15°E.,52 lks.dist., marked ¼ S 4 B T.
	A pine,8 ins.diam.,bears S.55°W.,70 lks.dist., marked ¼ S 9 B T.
63.00	Bottom of hollow,150 ft.deep,course N.
	Ascend.
80.06	The cor.of secs.4-5-8 and 9.
	Land,mountainous.
	Soil;rocky,3rd and 4th rate.
	Timber,pine.
	Mountainous and heavily timbered land on 80.06 chs.

	N.0°03'W.,on a true line bet.secs.4 and 5.
	Descend through heavy pine timber,over rocky land.
40.00	Set a sandstone,18x8x4 ins.,12 ins.in the ground,for ¼ sec.cor.,marked ¼ on W.face;from which
	A pine,10 ins.diam.,bears N.47°E.,32 lks.dist., marked ¼ S 4 B T.
	A pine,12 ins.diam.,bears S.63°W.,19 lks.dist., marked ¼ S 5 B T.
79.76	Intersect 1st Standard Parallel North,30 lks.E.of the standard cor.of secs.31 and 32,heretofore described.
	Set a sandstone,14x10x8 ins.,9 ins.in the ground,for closing cor.of secs.4 and 5,marked C C on S.,with 4 grooves on the E.and 2 grooves on the W.face;from which
	A pine,10 ins.diam.,bears S.46°W.,17 lks.dist., marked T 4 N R 3 W S 5 B T.
	A pine,12 ins.diam.,bears S.31°E.,41 lks.dist.,

SUBDIVISIONS OF T.4 N.,R.3 W.

CHAINS

marked T 4 N R 3 W S 4 B T.

Land,mountainous.

Soil;rocky,3rd and 4th rate.

Timber,pine.

Mountainous and heavily timbered land on 79.76 chs.

June 24,1904.

June 25:From cor.of secs.7,8,17,and 18,I run N.0°04'W.,bet.secs.7 and 8.

Ascend abruptly over rocky land over huge sandstone boulders and rock slide.

5.00 Top of ridge bears NW.and SE.

Descend.

40.00 Set a sandstone,18x8x4 ins.,12 ins.in the ground,for ¼ sec.cor.,marked ¼ on W.face;and raise a mound of stone,2 ft.base,1½ ft.high,W.of cor.

Pits impracticable.

50.00 Creek,5 lks.wide,3 ins.deep,in bottom of gulch,800 ft. below top of ridge,course E.

Ascend.

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 the S. and E.edges;and raise a mound of stone,2 ft.base,1½ ft. high,W.of cor.

Pits impracticable.

Land,mountainous.

Soil;rocky,3rd and 4th rate.

No timber.

Mountainous land on 80.00 chs.

E.on a random line bet.secs.5 and 8.

40.00 Set temp.¼ sec.cor.

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

Thence I run

SUBDIVISIONS OF T.4 N.,R.3 W.

CHAINS	
	S.89°58'W.,on a true line
	bet.secs.5 and 8.
	Descend over rocky land through heavy pine timber.
30.00	Leave timber.
39.96	Set a sandstone,18x8x5 ins.,12 ins.in the ground,for $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on N.face;and raise a mound of stone,2 ft.base,$1\frac{1}{2}$ ft.high,N.of cor.
	Pits impracticable
79.92	The cor.of secs.5-6-7 and 8.
	Land,mountainous.
	Soil;rocky,3rd and 4th rate.
	Timber pine.
	Mountainous land or heavily timbered on 79.92 chs.

	West on a random line bet.secs.6 and 7.
40.00	Set temp.$\frac{1}{4}$ sec.cor.,
74.23	To the east.edge of lake.
	Offset N.,0.65 chs.
	Thence I run on temp.offset.line
	West,3.00 chs.,to
77.23	Inter sect W.bdy.of the Tp.,3 lks.S.of the witness cor. to cor.of secs.1-6-7 and 12,heretofore described.
	Thence I run
	S.89°59'E.,on a true offset line,a dist.of 3.00 chs.to
3.00	Offset S.,0.65 chs.to true line.
	To E.edge of lake,area about 12 acres.
	Thence I run
	S.89°59'E.,on a true line
	bet.secs.6 and 7.
	Ascend over rocky land.
34.00	Top of spur projects NW.

SUBDIVISIONS OF T.4 N.,R.3 W.

CHAINS	
	Descend.
37.23	Set a sandstone,16x10x4 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.
	Pits impracticable.
77.23	The cor.of secs.5-6-7 and 8.
	Land,mountainous.
	Soil;rocky,3rd and 4th rate.
	No timber.
	Mountainous land on 77.23 chs.

N.0°04'W.,on a true line
bet.secs.5 and 6.

	Ascend over rocky land over huge sandstone boulders and slide rock.
40.00	On top of bare rocky ridge,bearing E.and W., set a sandstone,20x12x5 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.
	Pits impracticable.
52.00	Enter heavy pine timber,bearing E.and W.
79.72	Intersect 1st Standard Parallel North,0.30 chs.E.of the standard cor.of secs.31 and 32,heretofore described.
	Set a sandstone,12x7x5 ins.,8 ins.in the ground,for closing cor.of secs.5 and 6,marked CC on S.,with 5 groove on E.and 1 groove on the W.face;from which
	A pine,5 ins.diam.,bears S.19°E.,8 lks.dist., marked T 4 N R 3 W S 5 B T.
	A pine,6 ins.diam.,bears S.50°W.,22 lks.dist., marked T 4 N R 3 W S 6 B T.
	Land,mountainous.
	Soil;rocky,3rd and 4th rate.
	Timber,pine.
	Mountainous or heavily timbered land on 79.72 chs.

June 25,1904.

SUBDIVISIONS OF T.4 N.,R.3 W.

CHAINS

GENERAL DESCRIPTION.

This township is mountainous throughout,and badlybroken by deep canons,gulches and ravines,and bare rocky ridges. The altitude of the main mountain divides varies from 10,000 to 13,000 ft.above sea level.
The township is well watered by mountain streams,the largest being the Uintah River,flowing through the eastern part of the township,from north to south.
On account of the high altitude of this township agriculture is impossible. Some grazing land is to be found in the creek bottoms.
This township is covered with a heavy growth of pine timber,with the exception of the main mountain divides which are destitute of all vegetation.
The prevailing formation is sandstone.
There are no settlers in this township.
No mineral is found in this township.
Evidences of glacial action shown by striations on the rocks,is found throughout the township.

Austin K Tiernan

U.S.Deputy Surveyor.

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

A-310

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by Austin K. Tiernan, United States Deputy Surveyor, to assist in running, measuring, a marking the lines and corners described in the foregoing field notes of the survey of Subdivisions of T.4 N., Rs.3 and 4 West, of Uintah Special Base and Meridian, Utah. showing the respective capacities in which they acted:

E.B. Andrews, *Chainman*

F.L. Hurford, *Chainman.*

Robert Graham, *Moundman*

Moundman

Charles Wall, *Axman.*

R.L. Davidson, *Axman.*

Edward J. Little, *Flagman.*

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted Austin K. Tiernan, United States Deputy Surveyor, in surveying al those parts or portions of the Subdivisions of T.4 N., Rs.3 and 4 W. of the Uintah Special Base and meridian, In the State of Utah., which are represented in the foregoing field notes as having been surveyed by him and under his direction; and that said survey has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the corner monuments established, according to the instructions furnished by the United States Surveyor General for Utah.

E.B. Andrews, *Chainman.*

F.L. Hurford, *Chainman.*

Robert Graham, *Moundman.*

Moundman.

Chas. Wall, *Axman.*

R.L. Davidson, *Axman.*

Edward J. Little, *Flagman.*

Subscribed and sworn to before me this 1st day of July, 1904., 189

SEAL

Austin K. Tiernan
U.S. Deputy S.

6—151

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, Austin K. Tiernan, United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from EDWARD H. ANDERSON, United States Surveyor General for Utah, bearing date of the 22nd day of July, 1903, 189 , I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for Utah, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of Subdivisions of T. 4 N., Rs. 3 and 4 W., of the Uintah Special Base and meridian, in the state of Utah, which are represented in the foregoing field notes in books H. and L. as having been surveyed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for Utah and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey; and should any fraud be detected, I will suffer the penalty of perjury under the provisions of an Act of Congress approved August 8, 1846.

Austin K. Tiernan
United States Deputy Surveyor.

Subscribed by said Austin K. Tiernan, and sworn to before me this 22d day of September, 1904

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

SEAL

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, November 9 1904.

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

executed by James C. Dick and Austin K. Tiernan under their contract No. 272, dated July 22, 1903, ~~189~~ , having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Edward H. Anderson
United States Surveyor General.

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

United States Surveyor General.

6—151

BLANK

PAGE

BLANK

PAGE

FILE
SEP 22 19

4—679.

BOOK A-310

FIELD NOTES

OF THE SURVEY OF THE

F-I-R-S-T S-T-A-N-D-A-R-D P-A-R-A-L-L-E-L

N-O-R-T-H.

through

R-A-N-G-E-S NO. 3 and 4 W-E-S-T.

Of the Uintah Special Base and *Meridian,*

In the State of Utah.

AS SURVEYED BY

James C. Dick and Austin K. Tiernan, *United States Deputy Surveyor*

Under ~~*his*~~ their *Contract No.* 272, *dated* July 22, 1903.

Survey commenced June 11, 1904.

Survey completed June 14, 1904.

6—161

R 3 W. [illegible] 6 0 0 0 0
R 4 W. 6 0 0 0 0

BOOK A-310

NAMES AND DUTIES OF ASSISTANTS.

Lyman Clayton	Chainman.
Byron Forbes,	"
H.H.Bader,	"
Robert Orbison,	"
Will Castleton,	Moundman.
John Davis,	Axman,
Foster W.Walker.	"
Joseph Harrison,	Flagman.

6—131

Volume
#
R0310

BOOK A-310

INDEX DIAGRAM.

Township 1st Stan. Par. North *Range* 3 and 4 W.

R.3 7 6 5 3 2 1
R.4 13 12 11 10 9 8

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

Meanders Page

6—151

PRELIMINARY OATHS OF ASSISTANTS.

WeLyman Clayton, Byron Forbes, H.H.Bader, and Robert Orbison.
do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain over even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; th we will report the true distances to all notable objects, and the true lengths of all lines that we assist i measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey o First Standard Parallel North, through Rs.3 and 4 W. of the Uintah Special Base and Meridian, Utah.

Lyman Clayton, Chainman
Byron Forbes, Chainman
H. H. Bader, Chainman
Robert Orbison, Chainman

Subscribed and sworn to before me this 11th day of June, 1904., 189

James C. Dick
US Dep Surveyor

SEAL

I
~~We~~, Will Castleton, ~~and~~
do solemnly swear that ~~we~~ I will well and truly perform the duties of moundmen in the establishme of corners, according to the instructions given ~~us~~ me, to the best of ~~our~~ my skill and ability, in the survey First Standard Parallel North through Rs.3 and 4 W. of the Uintah Special Base and Meridian, Utah.

Will Castleton, Moundm
, Moundm

Subscribed and sworn to before me this 11th day of June, 1904., 189

James C Dick
US Dep Surveyor

SEAL

We, John Davis and Foster W. Walker,
do solemnly swear that we will well and truly perform the duties of axmen in the establishment of co and other duties, according to instructions given us, to the best of our skill and ability, in the surve First Standard Parallel North through Rs.3 and 4 W. of the Uintah Special Base and Meridian, Utah.

John Davis, Axm
Foster W Walker, Axm

Subscribed and sworn to before me this 11th day of June, 1904., 189

James C Dick
US Dep Surveyor

SEAL

I, Joseph Harrison, do solemnly swear that I will well and perform the duties of flagman according to instructions given me, to the best of my skill and ability, survey of First Standard Parallel North through Rs.3 and 4 W. of the U Special Base and Meridian, Utah.

Joseph Harrison, Flag

Subscribed and sworn to before me this 11th day of June, 1904., 189

James C Dick
US Dep Surveyor

SEAL

6—151

FIRST STANDARD PARALLEL NORTH THROUGH

Chains.	
	Survey commenced June 11,1904,and executed with a Buff and Berger transit No.2323,the horizontal limb being provided with two opposite verniers reading to single minutes of arc.
	The instrument was examined,tested on the true meridian at Salt Lake City,found correct,and was approved by the surveyor general for Utah August 20,1903.
	At the standard cor.of Tp.5 N.Rs.2 and 3 W.,marked and witnessed as described by Herman E.Freudenthal D.S.,under his Cont.No.268,in approximate latitude 40°47'N.; longitude 110°10'29" W.,at 2 h.07 m.a.m.l.m.t.I observe Polaris at eastern elongation in accordance with the Manual of Instructions,and mark a point in the line thus determined by a tack driven in a peg set in the ground 5.00 chs.N.of my station.
	At 7 h.a.m.I lay off the azimuth of Polaris 1°36'to the west and mark the meridian thus determined by cutting a cross on a stone firmly set in the ground west of the mark established early this morning.
	The magnetic bearing of the true meridian is N.16°35'W. which gives the magnetic decl.16°35'E.
	From said Tp.cor.,which is a sandstone 12x8x5 ins.above ground,I turn off an angle of 90°from N.to W.,and run
	West on the tangent south of sec.36
	Descend gradually over dead and fallen timber,and heavy young live pine timber.
10.00	Begin abrupt descent bearing N.and S.
15.00	Begin more gradual descent.
39.50	Bottom of ravine 200 ft.deep,course SW.
	Creek 10 lks.wide,in bottom of ravine.
	Ascend.
	Difference bet.measurements of 40.00 chs.by two sets of chainmen is 41lks.;position of middle point
	By 1st set 40.02 chs.
	By 2nd set 39.98 chs.,the mean of which is

FIRST STANDARD PARALLEL NORTH THROUGH R.3 W.

Chains.	
40.00	N.0.2¼ lks.from the tangent
	Set a sandstone 24x10x6 ins.18 ins.in the ground for standard ¼ sec.cor.,marked S C ¼ on N.face;from which
	A pine 5 ins.diam.bears N.59°W.52 lks.dist.,
	marked S C ¼ S B T
	A pine 12 ins.diam.bears N.39°30'W.1.43 chs.dist.
	marked S C ¼ S B T
60.00	Top of ridge bears NE and SW.;Descend.
	Difference bet.measurements of 80.00 chs.by two sets of chainmen is 8 lks.;position of middle point
	By 1st set 80.04 chs.
	By 2nd set 79.98 chs.,the mean of which is
80.00	N.0.9 lks.from the tangent
	Set a sandstone 16x12x6 ins.11 ins.in the ground for standard cor.of secs.35 and 36,marked S C on N.,with 1 groove on the E.and 5 grooves on the W.face;from which
	A pine 10 ins.diam.bears N.49°30'E.46 lks.dist.
	marked T 5 N R 3 W S 36 B T
	A pine 4 ins.diam.bears N.18°30'W.17 lks.dist.
	marked T 5 N R 3 W S 35 B T
	Land mountainous.
	Soil rocky;3rd and 4th rate.
	Timber pine.
	Mountainous and heavily timbered land on 80.00 chs.

	S.89°59'W.on the tangent south of sec.35
	Descend over mountainous land;through heavy pine timber
30.00	Bottom of gulch 200 ft.deep,course SE. Ascend.
	Difference bet.measurements of 40.00 chs.by two sets of chainmen is 6 lks.;position of middle point
	By 1st set 40.03 chs.
	By 2nd set 39.97 chs.,the mean of which is

FIRST STANDARD PARALLEL NORTH THROUGH R.3 W.

CHAIN

40.00 N.,1.9 lks.from the tangent.

Set a sandstone,20x14x5 ins.,15 ins.in the ground,for standard $\frac{1}{4}$ sec.cor.,marked S C $\frac{1}{4}$ on N.face;from which

A pine,8 ins.diam.,bears N.35°30'E.,45 lks.dist., marked S C $\frac{1}{4}$ S B T.

A pine,8 ins.diam.,bears N.14°15'W.,33 lks.dist., marked S C $\frac{1}{4}$ S B T.

50.00 Top of ridge bears NE.and SW.

Descend.

66.00 Bottom of ravine,150 ft.deep,course S.

Ascend.

Difference bet.measurements of 80.00 chs.,by two sets of chainmen is 10 lks.;position of middle point

By 1st set,80.05 chs.,

By 2nd set,79.95 chs.,the mean of which is

80.00 N.,$3\frac{1}{2}$ lks.from the tangent,

Point for cor.falls on a sandstone rock in place,4x2x1 ft.above ground;cut a cross (x) at exact cor.point for standard cor.of secs.34 and 35,marked S C on N.,with 2 grooves on the E.and 4 grooves on the W.face;from which

A pine,12 ins.diam.,bears N.80°E.,42 lks.dist., marked T 5 N R 3 W S 35 B T.

A pine,12 ins.diam.,bears N.45°W.,1.07 chs.dist., marked T 5 N R 3 W S 34 B T.

Land,mountainous.

Soil;rocky,3rd and 4th rate.

Timber,pine.

Mountainous land and heavily timbered on 80.00 chs.

S.89°58'W.,on the tangent

South of sec.34.

Ascend over mountainous land through heavy pine timber.

3.00 Top of spur projects N.

Descend.

FIRST STANDARD PARALLEL NORTH THROUGH R.3 W.

CHAINS	
14.00	Creek,8 lks.wide,4 ins.deep,in bottom of hollow,200 ft. below top of spur,course S.
	Thence ascend over rolling land.
30.00	Descend.
	Difference bet.measurements of 40.00 chs.,by two sets of chainmen is 10 lks.;position of middle point
	By 1st set,40.05 chs.,
	By 2nd set,39.95 chs.,the mean of which is
40.00	N.,5.5 lks.from the tangent
	Set a sandstone,20x15x8 ins.,15 ins.in the ground,for standard ¼ sec.cor.,marked S C ¼ on N.face;from which
	A pine,16 ins.diam.,bears N.57°E.,27 lks.dist., marked S C ¼ S B T.
	A pine,18 ins.diam.,bears N.20°30'W.,8 lks.dist., marked S C ¼ S B T.
43.00	Creek,6 lks.wide,3 ins.deep,in bottom of hollow,75 ft. deep,course SE.
	Ascend.
48.00	Top of ridge,bears NW. and SE. Descend.
61.50	Creek,4 lks.wide,2 ins.deep,in bottom of hollow,50 ft. deep,course SE.
	Begin abrupt ascent.
	Difference bet.measurements of 80.00 chs.,by two sets of chainmen is 14 lks.;position of middle point
	By 1st set,80.07 chs.,
	By 2nd set,79.93 chs.,the mean of which is
80.00	N.,7.9 lks.from the tangent.
	Set a sandstone,20x10x8 ins.,15 ins.in the ground,for standard cor.of secs.33 and 34,marked S C on the N.,with 3 grooves on the E.and W.face;from which
	A pine,10 ins.diam.,bears N.34°30'E.,27 lks.dist., marked T 5 N R 3 W S 34 B T.
	A pine,14ins.diam.,bears N.60°W.,13 lks.dist., marked T 5 N R 3 W S 33 B T.

FIRST STANDARD PARALLEL NORTH THROUGH R.3 W.

CHAIN.

Land,mountainous.

Soil;rocky,3rd and 4th rate.

Timber,pine.

Mountainous and heavily timbered land on 80.00 chs.

June 11,1904.

June 12:

S.89°57'W.,on the tangent

South of sec.33.

Ascend abruptly over mountainous land through heavy pine timber.

9.50 Top of ridge bears NW.and SE.

Descend.

39.00 Creek,4 lks.wide,2 ins.deep,in bottom of ravine,200 ft. deep,course SE.,at mouth of ravine. Ascend.

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

By 1st set,40.06 chs.,

By 2nd set,39.94 chs.,the mean of which is

40.00 N.,10.75 lks.from the tangent.

Set a sandstone,20x12x4 ins.,15 ins.in the ground,for standard ¼ sec.cor.,marked S C ¼ on N.face;from which

A pine,8 ins.diam.,bears N.76°30'E.,13 lks.dist., marked S C ¼ S B T.

A pine,10 ins.diam.,bears N.49°30'W.,25 lks.dist., marked S C ¼ S B T. Descend

58.00 Uintah River,40 lks.wide,10 ins.deep,in bottom of canon,500 ft.below top of ridge,course SE.

Begin abrupt ascent. Leave timber.

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

By 1st set,80.08 chs.,

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

80.00 N.,14 lks.from the tangent

FIRST STANDARD PARALLEL NORTH THROUGH R.3 W.

CHAINS	
	Set a sandstone,20x14x3 ins.,15 ins.in the ground,for standard cor.of secs.32 and 33,marked S C on N.,with 4 grooves on the E.and 2 grooves on the W.face;and raise a mound of stone,2 ft.base,1½ ft.high,N.of cor.
	Pits impracticable.
	Land,mountainous.
	Soil;rocky,3rd and 4th rate.
	Timber,pine.
	Mountainous or heavily timbered land on 80.00 chs.

	S.89°56'W.,on the tangent South of sec.32 .
	Ascend over rocky land .
14.00	Top of spur projects NE.
	Descend. Enter heavy pine timber,bearing NE. and SW.
	Difference bet.measurements of 40.00 chs.,by two sets of chainmen is 16 lks;position of middle poin
	By 1st set,40.08 chs.,
	By 2nd set,39.92 chs.,the mean of which is
40.00	N.,17½ lks.from the tangent
	Set a sandstone,15x8x6 ins.,10 ins.in the ground,for standard ¼sec.cor.,marked S C ¼ on N.face;from which
	A pine,10 ins.diam.,bears N.62°E.,35 lks.dist., marked S C ¼ S B T.
	A pine,10 ins.diam.,bears N.67°W.,25 lks.dist., marked S C ¼ S B T.
46.00	Creek,15 lks.wide;5 ins.deep,in bottom of hollow,200 ft. deep,course NE.
	Ascend.
	Difference bet.measurements of 80.00 chs.,by two sets of chainmen is 20 lks.;position of middle point
	By 1st set,80.10 chs.,
	By 2nd set,79.90 chs.,the mean of which is
80.00	N.,32 lks.from the tangent

FIRST STANDARD PARALLEL NORTH THROUGH R.3 W.

CHAINS

Set a sandstone, 12x10x5 ins., 8 ins. in the ground, for standard cor. of secs. 5 and 6, marked S C on N., with 5 grooves on the E. and 1 groove on the W. face; from which

A pine, 6 ins. diam., bears N.24°E., 12 lks. dist., marked T 5 N R 3 W S 32 B T.

A pine, 8 ins. diam., bears N.19°W., 12 lks. dist., marked T 5 N R 3 W S 31 B T.

Land, mountainous. Soil; rocky, 3rd and 4th rate. Timber, pine. Mountainous or heavily timbered land on 80.00 chs.

S.89°55'W., on the tangent, south of sec. 31.

Ascend over mountainous land through heavy pine timber. Difference bet. measurements of 40.00 chs., by two sets of chainmen is 20 lks.; position of middle point by 1st set, 40.10 chs., by 2nd set, 39.90 chs., the mean of which i

40.00 N., 26½ lks. from the tangent.

Set a sandstone, 20x8x6 ins., 15 ins. in the ground, for standard ¼ sec. cor., marked S C ¼ on N. face; from which

A pine, 20 ins. diam., bears N.50°W., 12 lks. dist., marked S C ¼ S B T.

No other trees within limits; and raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor. Pits impracticable. Difference bet. measurements of 80.00 chs. by two sets of chainmen is 24 lks.; position of middle point by 1st set, 80.12 chs; by 2nd set, 79.88 chs., the mean of which is

80.00 N., 32 lks. from the tangent.

Set a sandstone, 18x6x5 ins., 12 ins. in the ground, for standard cor. of Tps. 5 N., Rs. 3 and 4 W., marked S C on N., with 6 grooves on the N., E., and W. faces; from which

A pine, 12 ins. diam., bears N.43°E., 27 lks. dist., marked T 5 N R 3 W S 31 B T.

A pine, 10 ins. diam., bears N.56°W., 49 lks. dist., marked T 5 N R 4 W S 36 B T.

Land, mountainous.

Soil; rocky, 3rd and 4th rate.

FIRST STANDARD PARALLEL NORTH THROUGH R.3 W.

CHAINS Timber, pine.

Mountainous and heavily timbered land on 80.00 chs.
June 12, 1904.

THROUGH RANGE 4 WEST.

Survey commenced June 13, 1904, and executed with the instrument described in book "A" of this survey.

At standard cor. of T.5.N., Rs.3 and 4 W., lat. 40°47'N., longitude, 110°17'20"W., at 1h 59m a.m., l.m.t., I observe Polaris at eastern elongation, in accordance with Manual of Instructions, and mark the line thus determined by a tack driven in a wooden peg set in the ground, 5 chs. N. of the standard Tp. cor.

At 7h a.m., I. turn off the azimuth of Polaris, 1°36' to the west, and mark the meridian thus determined by cutting a mark on a stone, firmly set in the ground, west of the mark established early this morning; the magnetic bearing of the true meridian is N.16°34'W., which gives the mag-netic decl., 16°34'E. I lay off from the meridian an angle of 90° from north to west and run West on the tangent, S. of sec. 36.

Descend over rolling land through heavy pine timber.

6.00 Creek, 30 lks. wide, 10 ins. deep, in bottom of hollow, 75 ft. deep, course NE. Ascend.

Difference bet. measurements of 40.00 chs. by two sets of chainmen is 6 lks; position of middle point by 1st set, 40.03 chs.; by 2nd set, 39.97 chs., the mean of which is

40.00 N., 0.2¼ lks. from the tangent.
Set a sandstone, 15x9x6 ins., 10 ins. in the ground, for standard ¼ sec. cor., marked SC¼ on N. face; from which

A pine, 10 ins. diam., bears N.12°30'W., 55 lks. dist., marked S C ¼ S B T.
A pine, 12 ins. diam., bears N.18°E., 30 lks. dist., marked S C ¼ S B T.

76.00 Descend.
Difference bet. measurements of 80.00 chs. by two sets of chainmen is 8 lks.; position of middle point by 1st set, 80.04 chs.; by 2nd set 79.96 chs., the mean of which is

FIRST STANDARD PARALLEL NORTH THROUGH R.4 W.

CHAINS	
	which is
80.00	N.,0.9 lks.from the tangent.
	Set a sandstone,16x8x6 ins.,11 ins.in the ground,for standard cor.of secs.35 and 36,marked S C on N.,with 1 groove on the E.and 5 grooves on the W.face;from which
	A pine,10 ins.diam.,bears N.38°E.,93 lks.dist., marked T 5 N R 4 W.S 36 B T.
	A pine,6 ins.diam.,bears N.36°W.,26 lks.dist., marked T 5 N R 4 W S 35 B T.
	Land,mountainous,or rolling.
	Soil;rocky,3rd rate.
	Timber pine.
	Heavily timbered land on 80.00 chs.
	S.89°58'W.,on the tangent S.of sec.35.
	Descend over rolling land through heavy pine timber.
	Difference bet.measurements of 40.00 chs.by two sets of chainmen is 20 lks.;position of middle point
	By 1st set,40.10 chs.,
	By 2nd set,39.90 chs.,the mean of which is
40.00	N.,1.9 lks.from the tangent
	Set a sandstone,15x11x8 ins.,10 ins.in the ground,for standard ¼ sec.cor.,marked S C ¼ on N.face;from which
	A pine,8 ins.diam.,bears N.0°45'E.,30 lks.dist., marked S C ¼ S B T.
	A pine,10 ins.diam.,bears N.17°W.,23 lks.dist., marked S C ¼ S B T.
57.00	Creek 6 lks.wide,2 ins.deep,in bottom of hollow,100 ft. deep,course SE.
	Ascend.over mountainous land. Leave timber.
	Difference bet.measurements of 80.00 chs.,by two se ts of chainmen is 22 lks.;position of middle point
	By 1st set,80.11 chs.,
	By 2nd set,79.89 chs.,the mean of which is
80.00	N.,3½ lks.from the tangent

FIRST STANDARD PARALLEL NORTH THROUGH R.4 W.

CHAINS	
	Set a sandstone,14x10x8 ins.,9 ins.in the ground,for standard cor.of secs.34 and 35,marked SC on N.,with 2 grooves on the E.and 4 grooves on the W.face;and raise a mound of stone,2 ft.base,1½ ft.high,N.of cor.
	Pits impracticable.
	Land,mountainous or rolling.
	Soil;rocky,3rd and 4th rate.
	Timber,pine.
	Mountainous or heavily timbered land on 80.00 chs.

	S.89°58'W.,on the tangent
	South of sec.34
	Descend over mountainous land,over sandstone boulders.
	Difference bet.measutements of 40.00 chs.,by two sets of chainmen is 24 lks.;position of middle point
	By 1st set,40.12 chs.,
	By 2nd set,39.88 chs.,the mean of which is
40.00	N.,5½ lks.from tangent
	Set a sandstone,14x10x6 ins.,9 ins.in the ground,for standard ¼ sec.cor.,marked S C ¼ on N.face;and raise a mound of stone,2 ft.base,1½ ft.high,N.of cor.
	Pits impracticable.
50.00	Creek,4 lks.wide,3 ins.deep,in bottom of ravine,100 ft. deep,course SE.
	Ascend.
	Difference bet.measurements of 80.00 chs.by two se ts of chainmen is 20 lks.;position of middle point
	By 1st set,80.10 chs.,
	By 2nd set,79.90 chs.,the mean of which is
80.00	N.,7.9 lks.from the tangent
	Set a sandstone,17x9x7 ins.,11 ins.in the ground,for standard cor.of secs.33 and 34,marked S C on N.,with 3 grooves on the W.and E.faces;and raise a mound of stone,2 ft.base,1½ ft.high,N.of cor.
	Pits impracticable.

FIRST STANDARD PARALLEL NORTH THROUGH R.4 W.

CHAINS

Land,mountainous.

Soil;rocky,3rd and 4th rate.

No timber.

Mountainous land on 80.00 chs. June 13,1904.

S.89°57'W.,on the tangent

June,14. South of sec.33.

Ascend over mountainous land.

8.00 Descend.

32.00 Creek,6 lks.wide,3 ins.deep,in bottom of hollow,75 ft. deep,course SE.

Ascend.

Difference bet.measurements of 40.00 chs.,by two sets of chainmen is 22 lks.;position of middle point

By 1st set,40.11 chs.,

By 2nd set,39.89 chs.,the mean of which is

40.00 N.,10¾ lks.from the tangent
Set a sandstone,16x10x8 ins.,11 ins.in the ground,for standard ¼ sec.cor.,marked SC¼ on N.face;and raise a mound of stone,2 ft.base,1½ ft.high,N.of cor.

Pits impracticable.

Difference bet.measurements of 80.00 chs.,by two sets of chainmen is 24 lks.;position of middle point

By 1st set,80.12 chs.,

By 2nd set,79.88 chs.,the mean of which is

80.00 N.,14 lks.from the tangent
Set a sandstone,16x10x6 ins.,11 ins.in the ground,for standard cor.of secs.32 and 33,marked S C on N.,with 4 grooves on the E.and 2 grooves on the W.face;and raise a mound of stone,2 ft.base,1½ ft.high,N.of cor.

Pits impracticable.

On top of spur projects NE.

Land,mountainous.

Soil;rocky,3rd and 4th rate.

No timber.

Mountainous land on 80.00 chs.

FIRST STANDARD PARALLEL NORTH THROUGH R.4 W.

CHAINS	
	S.89°56'W.,on the tangent
	South of sec.32.
	Descend over mountainous land.
8.50	Bottom of hollow,100 ft.deep,course NE.
	Ascend.
26.50	Bottom of abrupt ascent bears NE.and SW.
	Begin abrupt ascent over broken sandstone ledges and boulders.
	Difference bet.measurements of 40.00 chs.by two sets of chainmen is 14 lks.;position of middle point
	By 1st set,40.07 chs.,
	By 2nd set,39.93 chs.,the mean of which is
40.00	N.17½ lks.from the tangent
	Set a sandstone,17x12x4 ins.,11 ins.in the ground,for standard ¼ sec.cor.,marked SC ¼ on N.face;and raise a mound of stone,2 ft.base,1½ ft.high,N.of cor.
	Pits impracticable.
	Difference bet.measurements of 80.00 chs.by two sets of chainmen is 18 lks.;position of middle point
	By 1st set,80.09 chs.,
	By 2nd set,79.91 chs ,the mean of which is
80.00	N.,0.22 chs.from the tangent
80.00	Set a sandstone,24x10x6 ins.,18 ins.in the ground,for standard cor.of secs.31 and 32,marked S C on N.,with 5 frooves on the E.and 1 groove on the W.face;and raise a mound of stone,2 ft.base,1½ ft.high,N.of cor.
	Pits impracticable.
	Land,mountainous.
	Soil;rocky,4th rate.
	No timber.
	Mountainous land on 80.00 chs.

	S.89°55'W.,on the tangent S.of sec.31.
	Ascend over broken sandstone ledges and huge sandstone boulders.

FIRST STANDARD PARALLEL NORTH THROUGH R.4 W.

CHAIN.

2.00 Top of mountain divide bet.Lake Fork and Uintah River Canons,bears N.and S.

Descend.

13.00 Begin abrupt descent.

Difference bet.measurements of 40.00 chs.by two sets of chainmen is 20 lks.;position of middle point

By 1st set,40.10 chs.,

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

40.00 N.,26.5 lks.from the tangent

Set a sandstone,18x12x4 ins.,12 ins.in the ground,for standard $\frac{1}{4}$ sec.cor.,marked S C $\frac{1}{4}$ on N.face;and raise a mound of stone,2 ft.base,$1\frac{1}{2}$ ft.high,N.of cor.

Pits impracticable.

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

By 1st set,80.10 chs.,

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

80.00 N.,0.32 chs.from the tangent.

Set a sandstone,18x8x6 ins.,12 ins.in the ground,for standard cor.of Tp.5 N.,Rs.4 and 5 W.,marked

S C 5 N on N.,

4 W on E.,and

5 W on W.,with 6 grooves on the N.,E.,and W. faces;and raise a mound of stone,2 ft.base,$1\frac{1}{2}$ ft.high, N.of cor.

Pits impracticable.

Land,mountainous.

Soil;rocky,4th rate.

No timber.

Mountainous land on 80.00 chs.

June 14,1904.

For general description see subdivisions of T.4 N.R.3 W. through Range3W,and through Range 4 W.,see notes of subdivisions of T.4 N.,R.4 W.

FIRST STANDARD PARALLEL NORTH THROUGH R. 4 W.

James C. Dick

U.S. Deputy Surveyor.

Volume

#

R0310

A-310

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by James C. Dick, United States Deputy Surveyor, to assist in running, measuring, marking the lines and corners described in the foregoing field notes of the survey of First Standard Parallel North through Rs. 3 and 4 W. of the Utah Special Base and Meridian, Utah, showing the respective capacities in which they acted:

Lyman Clayton and Byron Forbes, *Chainm*

H.H. Bader and Robert Orbison, *Chainm*

Will Castleton, *Moundm*

Moundm

John Davis, *Axman.*

Foster W. Walker, *Axman.*

Joseph Harrison, *Flagman.*

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted James C. Dick, United States Deputy Surveyor, in surveying those parts or portions of the First Standard Parallel North through Rs. 3 and 4 W. of the Uintah Special Base and Meridian, in the State of Utah, which are represente in the foregoing field notes as having been surveyed by him and under his direction; and that said surve has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and th corner monuments established, according to the instructions furnished by the United States Surveyo General for Utah.

Lyman Clayton
Byron Forbes

H. H. Bader, *Chainmen.*
[illegible], *Chainmen.*
Will Castleton, *Moundman.*
Moundman.
John Davis, *Axman.*
Foster W Walker, *Axman.*
Joseph Harrison, *Flagman.*

Subscribed and sworn to before me this 14th day of June, 1904, 189

SEAL

James C Dick
U S Dep Surveyor

6—151

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, James C. Dick, United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from Edward H. Anderson United States Surveyor General for Utah, bearing date of the 22nd day of July, 1903, 189 , I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for Utah, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of First Standard Parallel North through Rs. 3 and 4 W. of the Uintah Special Base and meridian, in the state of Utah., which are represented in the foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for Utah. and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey; and should any fraud be detected, I will suffer the penalty of perjury under the provisions of an Act of Congress approved August 8, 1846.

James C. Dick
United States Deputy Surveyor

Subscribed by said James C. Dick, and sworn to before me this 22 day of September, 1904

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

SEAL

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, November 9, 1904

The foregoing field notes of the survey of the First Standard Parallel North through Ranges No. 3 and 4 West of the Uintah Special Base and Meridian, Utah,

executed by James C. Dick and Austin K. Tiernan, under their contract No. 272, 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. Anderson
United States Surveyor General

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

United States Surveyor General

6--151

BLANK

PAGE

BLANK

PAGE

4—679.

SEP 22 10

BOOK A-310

N.

FIELD NOTES

OF THE SURVEY OF THE

W-E-S-T B-O-U-N-D-A-R-Y

OF

T-O-W-N-S-H-I-P NO. 5 N-O-R-T-H.

R-A-N-G-E NO. 3 W-E-S-T.

Of the Uintah Special Base and *Meridian,*

In the State of Utah

AS SURVEYED BY

James C. Dick and Austin K. Tiernan, *United States Deputy Surveyo*

Under ~~his~~ their *Contract No.* 272, *dated* July 22, 1903, ~~189~~

Survey commenced June 17, 1904, ~~189~~

Survey completed June 17, 1904,

6—151

BOOK A-310

NAMES AND DUTIES OF ASSISTANTS.

H.H.Bader	Chainman.
Robert Orbison	"
Will Castleton	Moundman.
John Davis,	Axman.
Foster W.Walker,	"
Joseph Harrison,	Flagman.

6—151

Volume
#
R0310

BOOK A-310

T 5 N R 3 W

INDEX DIAGRAM.

*Township*_____, *Range*_____

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

*Meanders Page*_____

PRELIMINARY OATHS OF ASSISTANTS.

We, H.H.Bader and Robert Orbison,
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
West Bdy.of T.5 N.,R.3 W.,of Uintah Special Base and Meridian,Ut

H. H. Bader, Chain
Robt. Orbison, Chain

Subscribed and sworn to before me this 10th day of June 1904, ~~189~~

SEAL

James C Dick
Ms Dep Surveyor.

We, Will Castleton and
do solemnly swear that we will well and truly perform the duties of moundman in the establishment of corners, according to the instructions given ~~us~~ me, to the best of ~~our~~ my skill and ability, in the survey
W.Bdy.of T.5 N.,R.3 W. of Uintah Special Base and Meridian,Utah.

Will Castleton, Mound
, Mound

Subscribed and sworn to before me this 10th day of June 1904, 189

SEAL

James C Dick
Ms Dep Surveyor

We, John Davis, and Foster W. Walker.
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
W.Bdy.of T.5 N.,R.3 W.,of Uintah Special Base and Meridian,Ut

John Davis, Ax
Foster W Walker, Ax

Subscribed and sworn to before me this 10th day of June 1904, 189

SEAL

James C Dick
Ms Dep Surveyor

I, Joseph Harrison, do solemnly swear that I will well and perform the duties of flagman according to instructions given me, to the best of my skill and ability, in survey of W.bdy.of T.5 N.,R.3 W.,of Uintah Special Base and Meridian Utah.

Joseph Harrison, Flag

Subscribed and sworn to before me this 10th day of June 1904, 189

SEAL

James C Dick
Ms Dep Surv

6—161

WEST BOUNDARY OF T.5 N.R.3 W.

CHAINS

Survey commenced June 17,1904,and executed with the instrument described in book "A" of this survey.

At standard cor.of Tp.5 N.Rs.3 and 4 W.,heretofore described,latitude 40°47'N.;longitude 110°17'W.at 1 h.44 a.m.l.m.t.I observe Polaris at eastern elongation,and mark a point in the line thus determined by a tack drive in a wooden peg set in the ground 5 chs.N.of my station.

At 7 h.a.m.I lay off the azimuth of Polaris 1°36'to the west,and mark the meridian thus determined by cutting a cross on a stone firmly set in the ground west of the mark established early this morning.

The magnetic bearing of the true meridian is N.16°35'W., which gives the magnetic decl.16°35'E.

From the standard Tp.cor.,I run

North bet.secs.31 and 36.

Descend over mountainous land through scattering pine timber and dense fir undergrowth.

4.00 Creek 30 lks.wide,10 ins.deep,in bottom of ravine,100 ft.deep,course E.

Ascend.

40.00 Set a sandstone 18x9x5 ins.12 ins.in the ground for ¼ sec.cor.,marked ¼ on W.face;and raise a mound of stone 2 ft.base 1½ ft.high W.of cor.

Pits impracticable.

80.00 Set a sandstone 18x10x4 ins.12 ins.in the ground for cor.of secs.25,30,31,and 36,marked with 1 notch on the S.and 5 notches on the N.edge;and raise a mound of stone 2 ft.base 1½ ft.high W.of cor.

Pits impracticable.

Land mountainous.

Soil rocky;3rd rate.

Timber pine.

Mountainous land and dense undergrowth on 80.00 chs.

WEST BOUNDARY OF T.5 N.R.3 W.

CHAINS.	
	North bet.secs.25 and 30
	Ascend over mountainous land;through scattering pine and dense fir undergrowth.
3.50	Top of low spur projects E.
	Descend abruptly.
10.00	Bottom of abrupt descent bears E.and W.
	Enter.broad hollow. Begin gradual descent.
11.50	East edge of lake,area about 1.00 acre bears W.1.50 chs.dist.
21.00	Creek 25 lks.wide,8 ins.deep,in bottom of broad hollow, 100 ft.below top of spur,course E.
	Begin gradual ascent;leave timber.
39.00	Spring branch 5 lks.wide 2 ins.deep,course SE.
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;and raise a mound of stone 2 ft.base $1\frac{1}{2}$ ft.high W.of cor.
	Pits impracticable.
49.00	Spring branch 4 lks.wide,2 ins.deep,course SE.
57.00	Same spring branch course SW.
73.50	Same spring branch course SE.
80.00	Set a sandstone 18x7x6 ins.12 ins.in the ground for cor. of secs.19,24,25,and 30,marked with 2 notches on the S. and 4 notches on the N.edge;and raise a mound of stone 2 ft.base $1\frac{1}{2}$ ft.high W.of cor.
	Pits impracticable.
	Land mountainous.
	Soil rocky;3rd and 4th rate.
	Timber pine.
	Mountainous land and dense undergrowth on 80.00 chs.
	North bet.secs.19 and 24
	Ascend gradually over mountainous land.
8.00	Begin abrupt ascent over slide rock and huge sandstone boulders.

WEST BOUNDARY OF T.5 N.,R.3 W.

CHAINS	
40.00	Set a sandstone,14x9x5 ins.,9 ins.in the ground,for ¼ sec.cor.,marked ¼ on W.face;and raise a mound of stone,2 ft.base,1½ ft.high,W.of cor.
	Pits impracticable.
57.00	Top of ridge bears NW.and SE.
	Descend over broken sandstone ledges and slide rock.
80.00	Set a sandstone,17x8x6 ins.,11 ins.in the ground,for cor.of secs.13-18-19 and 24,marked with 3 notches on the N.and S.edges;and raise a mound of stone,2 ft.base,1½ ft.high,W.of cor.
	Pits impracticable.
	Land,mountainous.
	Soil;rocky,4th rate.
	No timber.
	Mountainous land on 80.00 chs.

	North bet.secs.13 and 18.
	Descend over mountainous land over sandstone ledges
11.00	Bottom of gulch,300 ft.deep,course E. Ascend.
40.00	Set a sandstone,15x7x5 ins.,10 ins.in the ground,for ¼ sec.cor.,marked ¼ on W.face;and raise a mound of stone,2 ft.base,1½ ft.high,W.of cor.
	Pits impracticable.
40.30	Intersect North Boundary of the Uintah Reservation.
	Set a sandstone,16x10x5 ins.,11 ins.in the ground,for closing cor.for Tps.5 N.,Rs.3 and 4 W.,marked
	CC 5 N U I R,with 4 grooves on S.,
	U F R on N.,
	3 W with.6 grooves on E.,and
	4 W with.6 grooves on the W.face;and raise a mound of stone,2 ft.base,1½ ft.high,S.of cor.
	Pits impracticable.
	From the closing cor.,the ½ mile cor.,bet.the 20th and 21st mile cors.,which is a sandstone,10x6x6 ins.,

WEST BOUNDARY OF T.5 N.,R.3 W.

CHAINS

above ground, marked as described by Deputies A.H. and F.M. Brown, bears N.72°45'E., 24.28 chs. dist.

Land, mountainous.

Soil; rocky, 3rd rate.

No timber.

Mountainous land on 40.30 chs.

June 17, 1904.

For general description see subdivisions of this town ship.

BOUNDARIES OF T.5 N.,R.3 W.
Latitudes, departures and closing errors.

Line designated	True bearing	Dist.	Latitudes. N. Chs.	Latitudes. S. chs.	Departures. E. chs.	Departures. W. chs.
N.Bdy. Uintah Indian Reservation	S.86°15'W.,	14.90		0.98		14.87
	N.51°15'W.	40.00	25.04			31.20
	N.62°45'W.	80.00	36.63			71.12
	N.74°W.	8.00	2.21			7.69
	S.73°W.,	32.00		9.36		30.60
	N.67°W.,	78.00	30.48			71.80
	S.50°W.	15.00		9.64		11.49
	N.76°30'W.	100.00	23.34			97.24
	N.69°W.	69.00	24.73			64.42
	S.72°45'W.	82.28		24.40		78.58
W.bdy., T.5 N., R.3 W.	South	280.30		280.30		
1st Standard Par. North	East	480.00			480.00	
W.bdy., T.5 N., R.2 W.	North	182.17	182.17			
Convergency						0.31
	Totals		324.60	324.68	480.00	479.32
				324.60	479.32	
	Error in lat. and dep.			0.08	0.68	

James C. Dick

U.S. Deputy Surveyor.

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by James C. Dick, United States Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the survey of W. Bdy. of T. 5 N., R. 3 W. of Uintah Special Base and Meridian, Utah. showing the respective capacities in which they acted:

H. H. Bader, *Chainman.*

Robert Orbison, *Chainman.*

Will Castleton, *Moundman.*

Moundman.

John Davis, *Axman.*

Foster W. Walker. *Axman.*

Joseph Harrison. *Flagman.*

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted James C. Dick, United States Deputy Surveyor, in surveying all those parts or portions of the W. Bdy. of T. 5 N., R. 3 W. of the Uintah Special Base and meridian In the State of Utah. which are represented in the foregoing field notes as having been 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.

H. H. Bader, *Chainman.*

Robert Orbison, *Chainman.*

Will Castleton, *Moundman.*

Moundman.

John Davis, *Axman.*

Foster H Walker, *Axman.*

Joseph Harrison, *Flagman.*

Subscribed and sworn to before me this 10th day of July 1904, 189

SEAL

James C Dick
Ms Dep Surveyor

6—164

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, James C. Dick United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from Edward H. Anderson, United States Surveyor General for Utah, bearing date of the 22nd day of July, 1903, 189 , I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for Utah, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of

W. bdy. of T. 5 N., R. 3 W.

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

James C. Dick
United States Deputy Surveyor.

Subscribed by said James C. Dick, and sworn to before me this 22 day of September, 1904

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

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL.

Salt Lake City, Utah, November 9, 1904.

The foregoing field notes of the survey of the West Boundary of Township No. 5 North, Range No. 3 West of the Uintah Special Base and Meridian, Utah

executed by James C. Dick and Austin K. Tiernan under Contract No. 272, dated July 22, 1903, XXX, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Edward H. Anderson
United States Surveyor General.

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

United States Surveyor General.

BLANK

PAGE

BLANK

PAGE

4—679.

BOOK A-310

FILED 295

SEP 22 1904

O.W.G.

FIELD NOTES

OF THE SURVEY OF THE

F-I-R-S-T G-U-I-D-E M-E-R-I-D-I-A-N W-E-S-T.

through

TOWNSHIP No. 5 NORTH,

BET.

RANGES NO.4 and 5 WEST.

Of the Uintah Special Base and *Meridian,*

In the State of Utah.

AS SURVEYED BY

James C.Dick, and Austin K.Tiernan, *United States Deputy Surveyors*

Under their *Contract No.* 272, *dated* July 22,1903., ~~189~~

Survey commenced June 16,1904., ~~189~~

Survey completed June 16.1904., ~~189~~

6—151

[illegible]

BOOK A-310

NAMES AND DUTIES OF ASSISTANTS.

Lyman Clayton	Chainman.
Byron Forbes,	Chainman.
H.H.Bader,	Chainman.
Robert Orbison,	Chainman.
Will Castleton,	Moundman.
John Davis,	Axman.
Foster W.Walker,	Axman.
Joseph Harrison	Flagman.

6—151

Volume
#
R0310

BOOK A-310

INDEX DIAGRAM.

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

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

Meanders Page.....

PRELIMINARY OATHS OF ASSISTANTS.

We, Lyman Clayton, Byron Forbes, Hud. Bader, and Robert Orbison 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 First Guide Meridian West through T. 5 N., bet. Rs. 4 and 5 W. of the Uintah Special Base and Meridian, Utah.

Lyman Clayton, Chainm.
Byron Forbes, Chainm.
H. H. Bader, Chainm.
Robert Orbison, Chainm.

Subscribed and sworn to before me this 10th day of June 1904, 189

SEAL

James C. Dick
U.S. Dep. Surveyor

I, Will Castleton, and do solemnly swear that we will well and truly perform the duties of moundman in the establishm of corners, according to the instructions given ~~us~~ me to the best of ~~our~~ my skill and ability, in the survey First Guide Meridian West through T. 5 N., Rs. 4 and 5 W. of the Uint Special Base and Meridian, Utah.

Will Castleton, Moundm.
, Moundm.

Subscribed and sworn to before me this 10th day of June 1904, 189

SEAL

James C. Dick
U.S. Dep. Surveyor

We, John Davis and Foster W. Walker, do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corn and other duties, according to instructions given us, to the best of our skill and ability, in the survey First Guide Meridian West through T. 5 N., Rs. 4 and 5 West, of the Uintah Special Base and Meridian, Utah.

John Davis, Axm.
Foster W. Walker, Axm.

Subscribed and sworn to before me this 10th day of June 1904, 189

SEAL

James C. Dick
U.S. Dep. Surveyor

I, Joseph Harrison, do solemnly swear that I will well and t perform the duties of flagman according to instructions given me, to the best of my skill and ability, in survey of First Guide Meridian West through T. 5 N., Rs. 4 and 5 W. of th Uintah Special Base and Meridian, Utah.

Joseph Harrison, Flagm.

Subscribed and sworn to before me this 10th day of June 1904, 189

SEAL

James C. Dick
U.S. Dep. Surveyor

6—151

GUIDE MERIDIAN OR WEST BDY.OF T.5 N.,R.4 W.

CHAINS

Survey commenced June 16,1904,and executed with the instrument described in book "A" of this survey.

At the standard cor.of Tp.5 N.,Rs.4 and 5 W.,heretofore described,in approximate latitude,40°47'N.,longitude 110°24'W.,at 1h 48 m a.m.,l.mt.,I observe Polaris at eastern elongation,in accordance with the Manual of Instructions,and mark a point in the line thus determined by a tack driven in a wooden peg set in the ground,5 chs. N.of my station.

At 7h a.m.,I lay off the azimuth of Polaris,1°36'to the west,and mark the meridian thus determined by cutting a cross on a stone firmly set in the ground,west of the mark established early this morning.

The magnetic bearing of the true meridian is N.16°37' W.,which gives the magnetic decl.,16°37'E.

From the standard township corner,I run

North bet.secs.31 and 36.

Ascend abruptly over slide rock.

Difference bet.measurements of 40.00 chs.by two sets of chainmen is 4 lks.;position of middle point

By 1st set,40.02 chs.,

By 2nd set,39.98 chs.,the mean of which is

40.00 Set a sandstone,24x8x5 ins.,18 ins.in the ground,for ¼ sec.cor.,marked ¼ on W.face;and raise a mound of stone,2 ft.base,1½ ft.high,W.of cor.

Pits impracticable.

46.63 Intersect North boundary of Uintah Indian Reservation. at angle cor.,which is a sandstone,14x10x7 ins.above ground,marked as described by A.H.and F.M.Brown,Rep.Surs, which stone I also use for closing cor.T.5 N.,Rs.4 & 5 W. marked C C 5 N with 1 groove on S., 4 W.with 6 grooves on E.,and 5 W with 6 grooves on W.face,and UFR on N.

From the closing cor.,the 29 mile cor.,which is a

FIRT GUIDE MERIDIAN WEST OR W.BDY.OF T.5 N.,R.4 W.

CHAINS

sandstone boulder,5x3x2 ft.above ground,marked as described by Deputies A.H.and F.M.Brown,bears S.75°45',W. 17.62 chs.dst.

Land,mountainous.

Soil;rocky,4th rate.

No timber.

Mountainous land on 46.63 chs.

June 16,1904.

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

BOUNDARIES OF T.5 N.,R.4 W.
Latitudes,Departures and Closing Errors.

Line designated	True bearing	Dist.	Latitude.		Departure.	
		Chs.	N. chs.	S. chs.	E. chs.	W. chs.
North Bdy., Uintah Indian Reservation.	S.72°45'W.	1.72		0.51		1.64
	S.74°45'W.	192.00		50.50		185.24
	S.80°45'W.	26.00		4.18		25.66
	N.71°30'W.	63.00	19.99			59.74
	S.64°W.,	33.00		14.47		29.66
	S.20°W.	76.00		71.42		25.99
	S.14°E.	28.30		27.46	6.84	
	S.22°15'W.	87.70		81.17		33.21
	N.73°W.,	28.00	8.19			26.76
	S.73°W.,	43.60		12.75		41.69
	N.46°30'W.	6.40	4.40			4.64
	S.86°W.	52.38		3.66		52.25
W.bdy., T.5 N.,R.4 W. or 1st Guide Mer. West.....	South	638.10 46.63		46.63		
1st Standard Par.North	East	480.00			480.00	
W.bdy., T.5 N.,R.3 W.	North	280.30	280.30			
Convergency						0.23
Totals			312.88	312.75	486.84	486.78
			312.75		486.78	
Error in dep.and lat.			0.13		0.12	

James C Dick

U.S.Deputy Surveyor.

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by James C. Dick, United States Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the survey of First Guide Meridian West through T. 5 N., Rs. 4 and 5 W. of the Uintah Special Base and Meridian, Utah, showing the respective capacities in which they acted:

Lyman Clayton, H. H. Bader, *Chainman.*

Byron Forbes, Robert Orbison, *Chainman.*

Will Castleton, *Moundman.*

, *Moundman.*

John Davis, *Axman.*

Foster W. Walker, *Axman.*

Joseph Harrison, *Flagman.*

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted James C. Dick, United States Deputy Surveyor, in surveying all those parts or portions of the First Guide Meridian West through T. 5 N., bet. Rs. 4 and 5 W. of the Uintah Special Base and meridian, in the state of Utah, which are represented in the foregoing field notes as having been surveyed by 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

Lyman Clayton, *Chainman.*

Byron Forbes, *Chainman.*

, *Moundman.*

, *Moundman.*

, *Axman.*

Foster W. Walker, *Axman.*

, *Flagman.*

Subscribed and sworn to before me this 10th day of July, 1900, 189

SEAL

James C. Dick
U.S. Dep. Surveyor

6-161

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, [illegible], United States Deputy Surveyor, [illegible] Final, in pursuance of a contract awarded from [illegible], United States Surveyor General for [illegible], bearing date of the [illegible] day of [illegible], [illegible], 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 [illegible], the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of [illegible]

[illegible]

[illegible] of the [illegible]

[illegible] which are represented in the foregoing field notes as having been surveyed by me, and under my direction, and I do further solemnly swear that all the 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 [illegible] and in the specific manner described in the field notes, and that the foregoing are the original field notes of said survey; and should any fraud be detected, I will suffer the penalty of perjury under the provisions of an Act of Congress approved August 4, 1842.

[illegible]

United States Deputy Surveyor.

Subscribed to and [illegible] before me this [illegible] day of [illegible]

[illegible]

U. S. Surveyor General for [illegible]

APPROVAL.

[illegible] UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, [illegible] 9, 19[illegible]

The foregoing field notes of the survey of the First Guide Meridian West, through [illegible] North, [illegible] and 2 West of the Utah Special [illegible] and [illegible], Utah.

[illegible] and [illegible]

[illegible] No. [illegible] dated [illegible] 19[illegible], [illegible], having been carefully examined, and the necessary corrections and explanations made, the said field notes, and the [illegible] are hereby declared an official document.

[illegible]

United States Surveyor General.

[illegible] the foregoing transcript of the field notes of the above-described survey is correct, [illegible] has been correctly copied from the original notes on file in this office.

United States Surveyor General.

BLANK

PAGE

BLANK

PAGE

4—679.

FILED
SEP 22 1904

BOOK A-310

P.

FIELD NOTES

OF THE SURVEY OF THE

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

OF

TOWNSHIP NO.5 NORTH,

RANGE NO.3 WEST.

Of the Uintah Special Base and *Meridian,*

State of Utah.

AS SURVEYED BY

James G.Dick and Austin K.Tiernan, *United States Deputy Surveyor,s,*

Under his Contract No. 272, *dated* July 23,1903., ~~189~~

Survey commenced June 18,1904., ~~189~~

Survey completed June 28,1904., ~~189~~

6-151

31-79 91
40 30
1-05 11
1-57-17

BOOK A-310

NAMES AND DUTIES OF ASSISTANTS.

H.H.Bader,	CHAINMAN.
ROBERT ORBISON,	"
Will Castleton,	Moundman
John Davis,	Axman.
Foster W.Walker,	"
Joseph Harrison,	Flagman.

G—151

Volume
#
R0310

BOOK A-310

INDEX DIAGRAM.

Township 5 N., , *Range* R. 3 W.

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

Meanders Page

6—151

PRELIMINARY OATHS OF ASSISTANTS.

We, H. H. Bader, and Robert Orbison,
do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain over even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of the Subdivisions of Tps. 5 N., Rs. 3 and 4 W. of the Uintah Special Base and Meridian, Utah.

H. H. Bader, Chainman
Robt. Orbison, Chainman

Subscribed and sworn to before me this 18th day of June, 1904., 189

James C. Dick
U.S. Dep. Surveyor

SEAL

~~We~~ I, Will Castleton, and
do solemnly swear that ~~we~~ I will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given ~~us~~ me, to the best of ~~our~~ my skill and ability, in the survey of the Subdivisions of Tps. 5 N., Rs. 3 and 4 W. of the Uintah Special Base and Meridian, Utah.

Will Castleton, Moundman
, Moundman

Subscribed and sworn to before me this 18th day of June, 1904., 189

James C. Dick
U.S. Dep. Surveyor

SEAL

We, John Davis and Foster W. Walker
do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey of the Subdivisions of Tps. 5 N., Rs. 3 and 4 W. of the Uintah Special Base and Meridian, Utah.

John Davis, Axman
Foster W. Walker, Axman

Subscribed and sworn to before me this 18th day of June, 1904., 189

James C. Dick
U.S. Dep. Surveyor

SEAL

I, Joseph Harrison, do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of the Subdivisions of Tps. 5 N., Rs. 3 and 4 W. of the Uintah Special Base and Meridian, Utah.

Joseph Harrison, Flagman

Subscribed and sworn to before me this 18th day of June, 1904., 189

James C. Dick
U.S. Dep. Surveyor

SEAL

6—151

SUBDIVISIONS OF T.5 N.R.3 W.

Chains	
	Survey commenced June 18,1904,and executed with the instrument described in book "A" of this survey.
	At the standard cor.of T.5 N.Rs.2 and 3 W.,which is a granite stone 4x8x12 ins.above ground,firmly set and marked and witnessed as described by Deputy Freudenthal under his contract No.268;in latitude 40°47'N.;long.110° 11'W.,at 1 h.40 m.a.m.l.m.t.I observe Polaris at eastern elongation in accordance with the Manual of Instructions and mark a point in the line thus determined by a tack driven in a wooden peg set in the ground 5 chs.N.of my station.
	At 7 h.0 m.a.m.l.m.t.I lay off the azimuth of Polaris 1° 36'to the west,and mark the meridian thus determined by cutting a cross on a stone firmly set in the ground west of the mark established early this morning.
	The magnetic bearing of the true meridian is N.16°36'W. which gives the magnetic decl.16°36'E.
	From the standard cor.,above described I retrace north bet.secs.31 and 36;at 40.00 chs.fallsl 1k.E.of the ¼ secs. cor.;and at 80.00 chs.intersect the cor.of secs.25,30, 31 and 36.
	The course and distance is therefore as determined by Deputy Freudenthal.
	I proceed to the standard cor.of secs.35 and 36,heretofore described and run
	N.0°01'W.bet.secs.35 and 36
	Ascend over mountainous land through heavy pine timber.
18.00	Top of spur projects SW.;descend.
27.50	Bottom of hollow 300 ft.deep,course SW.;ascend.
40.00	Set a sandstone 20x10x6 ins.15 ins.in the ground for ¼ sec.cor.,marked ¼ on W.face;from which
	A pine 24 ins.diam.bears S.62°E.51 lks.dist. marked ¼ S 36 B T
	A pine 24 ins.diam.bears S.30°W.24 lks.dist.

Chains	
	marked ¼ S 35 B T.
68.00	Ascend abruptly over slide rock;leave timber.
72.00	Top of spur projects S.to SE. Ascend along top of spur.
80.00	Set a sandstone 36x20x8 ins.27 ins.in the ground for cor. of secs.25,26,35,and 36,marked with 1 notch on S.and E. edges;and raise a mound of stone 2 ft.base 1½ ft.high W.of cor.Pits impracticable.
	Land mountainous.
	Soil rocky;3rd and 4th rate.
	Timber pine.
	Mountainos or heavily timbered land on 80.00 chs.
	East on a random line bet.secs.25 and 36
40.00	Set temp.¼ sec.cor.
80.04	Intersect E.bdy.of Tp.7 1ks.N.of the cor.of secs.25,30 31 and 36,which is a quartzite stone 5x9x5.ins. above gro firmly set and marked and witnessed as described by Herman E.Freudenthal,D.S.under his contract No.268.
	Thence I run
	N.89°57'W.on a true line bet.secs.25 and 36
	Ascend over mountainous land over huge sandstone boulders and slide rock.
40.02	Set a sandstone 18x12x4 ins.12 ins.in the ground for ¼ sec.cor.,marked ¼ on N.face;and raise a mound of stone 2 ft.base 1½ ft.high N.of cor.
	Pits impracticable.
80.04	The cor.of secs.25,26,35,and 36.
	Land mountainous.
	Soil rocky 3rd.and 4th rate.
	No timber.
	Mountainous land 80.04 chs.
	N.0°01'W.bet.secs.25 and 26
	Ascend abruptly over sandstone ledges and slide rock.
4.50	Top of ridge bears NE.and SW. Descend.

SUBDIVISIONS OF T.5 N.,R.3 W.

Chains.	
30.00	Begin abrupt descent.
40.00	Set a sandstone,24x12x3 ins.,18 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.
44.00	Bottom of abrupt descent bears NE.and SW.
	Begin gradual descent.
47.00	Creek,8 lks.wide,4 ins.deep,in bottom of a wide basin course SW.
	Begin gradual ascent.
60.00	Top of rocky knoll,75 ft.high.
	Descend.
62.50	Lake,area about 4 acres,bears E.,2.00 chs.dist.
	Begin gradual ascent.
80.00	Set a sandstone,30x10x6 ins.,22 ins.in the ground,for cor.of secs.23-24-25 and 26,marked with 2 notches on the S.and 1 notch on the E.edge;and raise a mound of stone,2 ft.base,1½ ft.high,W.of cor.
	Pits impracticable.
	Land,mountainous.
	Soil;rocky,3rd and 4th rate.
	No timber.
	Mountainous land on 80.00 chs. June 18.1904.
	---- --------
	June 19th:
	S.89°57'E.,on a random line bet.secs.24 and 25.
40.00	Set temp.¼ sec.cor.
79.74	Intersect E.bdy.of the Tp.,9 lks.S.of the cor.of secs. 19-24-25 and 30,which is a rock in place,8x2ftx2 ins. above ground,marked as described by Herman E.Freudenthal D.S.,under his contract No.208.
	Thence I run
	S.89°59'W.,on a true line bet.secs.24 and 25.
	Ascend abruptly over rock slide and huge sandstone boulders.

SUBDIVISIONS OF T.5 N.,R.3 W.

CHAINS	
20.00	South edge of lake, area about 8 acres, bears N., 5.00 chs. dist.
37.00	Top of ridge bears N. and S.
	Descend.
39.87	Set a sandstone, 18x10x3 ins., 12 ins. in the ground, for ¼ sec. cor., marked ¼ on N. face; and raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.
	Pits impracticable.
45.00	Begin more abrupt descent.
74.00	Bottom of abrupt descent bears NW. and SE.
	Enter broad basin.
79.74	The cor. of secs. 23-24-25 and 26.
	Land, mountainous.
	Soil; rocky, 3rd and 4th rate.
	No timber.
	Mountainous land on 79.74 chs.

	N. 0°01' W., bet. secs. 23 and 24.
	Begin gradual ascent over rocky land.
4.50	Begin abrupt ascent over broken sandstone ledges and rock slide.
40.00	Point for ¼ sec. cor., falls on a sandstone rock in place 4x3x2 ft. above ground; cut a cross(x) at exact cor. point, for ¼ sec. cor., marked ¼ on W. side of cross; and raise a mound of stone 2 ft. base, 1½ ft. high, W. of cor.
	Pits impracticable.
63.50	Intersect North Boundary of Uintah Indian Reservation Set a sandstone, 19x10x5 ins., 12 ins. in the ground, for closing cor. of secs. 23 and 24, marked, OCUIR with 3 grooves on S., 1 groove on E., and U F R on N. face; and raise a mound of stone, 2 ft. base, 1½ ft. high, S. of cor.
	Pits impracticable.
	From the closing cor., the 15 mile cor. on the boundary,

SUBDIVISIONS OF T.5 N.,R.3 W.

CHAINS	
	which is a sandstone,10x9x7 ins.above ground,marked as described by A.H.and F.M.Brown,Deputies,bears S.62°45'E., 37.80 chs.dist.
	Land,mountainous.
	Soil;rocky,4th rate.
	No timber.
	Mountainous land on 63.50 chs. June 19,1904.
	June 20: From the standard cor.of secs.34 and 35 on S. bdy.of Tp.,heretofore described,I run N.0°02'W.,bet.secs.34 and 35.
	Ascend over dead and fallen and through heavy live pine timber.
1.50	Top of ridge bears NE.and SW.
	Descend.
31.00	Bottom of descent bears NE.and SW.
	Enter creek bottom over rolling land.
35.80	Creek,10 lks.wide,5 ins.deep,in bottom of broad hollow, 500 ft.below top of ridge,course SW.
	Leave timber.
	Begin gradual ascent .
40.00	Set a sandstone,26x10x8 ins.,20 ins.in the ground,for ¼ sec.cor.,marked ¼ on W.face;and raise a mound of stone,2 ft.base,1½ ft.high,W.of cor.
	Pits impracticable.
50.00	Enter heavy pine timber,bearing NE.and SW.
80.00	Set a sandstone,20x8x8 ins.,15 ins.in the ground,for cor.of secs.26-27-34 and 35,marked with 2 notches on the E.and 1 notch on the S.edge;from which
	A pine,18ins.diam.,bears N.51°30'W.,27 lks.dist,, marked T 5 N R 3 W S 27 B T.
	A pine,10 ins.diam.,bears S.49°W,18 lks.dist., marked T 5 N R 3 W S 34 B T.
	No other trees within limits;raise a mound of stone,

SUBDIVISIONS OF T.5 N.,R.3 W.

CHAINS	
	2 ft.base,1½ ft.high,W.of cor.
	Pits impracticable.
	Land,mountainous .
	Soil;rocky,3rd and 4th rate.
	Timber,pine.
	Mountainous or heavily timbered land on 80.00 chs.

	E.on a random line bet.secs.26 and 35.
40.00	Set temp.¼ sec.cor.
79.94	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.
	Ascend over sandstone ledges and rock slide.
2.00	Top of ridge bears NE.and SW.
	Begin abrupt descent over dead and fallen timber and heavy live pine timber.
39.97	Set a sandstone,20x8x8 ins.,15 ins.in the ground,for ¼ sec.cor.,marked ¼ on N.face;from which
	A pine,6ins.diam.,bears N.2°30'W.,20 lks.dist., marked ¼ S 26 B T.
	A pine,24 ins.diam.,bears S.1°E.,18 lks.dist., marked ¼ S 35 B T.
44.00	Bottom of abrupt descent bears N.and S.
	Enter bottom of broad basin or hollow.
	Leave timber. Begin gradual descent.
55.50	Enter heavy timber,bearing N.and S.
71.30	Creek 8 lks.wide,3 ins.deep,course SW.
	Begin gradual ascent.
79.94	The cor.of secs.26-27-34 and 35.
	Land,mountainous.
	Soil;rocky,3rd and 4th rate.
	Timber,pine,

SUBDIVISIONS OF T.5 N.,R.3 W.

CHAINS

Mountainous or heavily timbered land on 79.94 chs.

N.0°02'W.,bet.secs.26 and 27.

Ascend gradually over dead and fallen timber and scattering live pine timber.

11.00 Enter heavy pine timber,bearing NE.and SW.

40.00 Set a sandstone,24x12x8 ins.,18 ins.in the ground,for ¼ sec.cor.,marked ¼ on W.face;from which

A pine,16 ins.diam.,bears S.51°E.,40 lks.dist., marked ¼ S 26 B T.

A pine,20 ins.diam.,bears S.80°30'W.,27 lks.dist., marked ¼ S 27 B T.

55.00 Leave broad basin and begin abrupt ascent over sandstone ledges and rock slide.

Leave timber.

80.00 Set a sandstone,24x14x8 ins.,18 ins.in the ground,for cor.of secs.22-23-26 and 27,marked with 2 notches on the S.and E.edges;and raise a mound of stone,2 ft.base,1½ ft.high,W.of cor.

Pits impracticable.

Land,mountainous.

Soil;rocky,3rd and 4th rate.

Timber,pine.

Mountainous or heavily timbered land on 80.00 chs.

June 20,1904.

June 21:

S.89°5'E.on a random line bet.secs.23 and.26.

40.00 Set temp.¼ sec.cor.

79.80 Intersect N.and S.line,9 lks.S.of the cor.of secs. 23-24-25 and 26.

Thence I run

West on a true line

bet.secs.23 and 26.

SUBDIVISIONS OF T.5 N.,R.3 W.

CHAINS	
	Descend over stony ground.
18.00	Begin gradual ascent.
29.00	E.edge of lake,area about 5 acres,bears N.and S.
	To pass lake,offset as follows
	N.,6.00 chs.,thence on offset line
	W.,5.50 chs.,to
34.50	S.,6.00 chs.to true line.
	W.edge of lake bears N.and S.
37.00	Begin abrupt ascent,bearing N.and S.
	Leave basin.
39.90	Set a sandstone,18x10x8 ins.,12 ins.in the ground,for $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on N.face;and raise a mound of stone,2 ft.base,$1\frac{1}{2}$ ft.high,N.of cor.
	Pits impracticable.
42.00	Top of spur projects S. Descend.
54.00	Spring branch,3 lks.wide,2 ins.deep,in bottom of hollow, 100 ft.deep,course S.
	Ascend.
60.00	Top of spur projects S.
	Descend.
68.00	Spring branch,3 lks.wide,2 ins.deep,in bottom of hollow,200 ft.deep,course SE.
	Ascend.
72.00	Begin abrupt ascent,bearing N.and S.
79.80	The cor.of secs.22-23-26 and 27.
	Land,mountainous.
	Soil;rocky,3rd and 4th rate.
	No timber.
	Mountainous land on 79.80 chs.

N.0°02'W.,bet.secs.22 and 23.

Over mountainous land along the east slope of ridge, over huge sandstone boulders and slide rock ascend abruptly.

CHAINS	
15.00	Leave slide rock and continue abrupt ascent over broken sandstone ledges.
19.00	Top of ridge, bears NE. and SW. Descend.
25.00	Bottom of hollow, course SW.
40.00	Set a sandstone, 14x8x6 ins., 9 ins. in the ground, for ¼ sec. cor., marked ¼ on W. face; and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
	Pits impracticable.
77.35	Intersect North Boundary of Uintah Indian Reservation.
	Set a sandstone, 24x12x8 ins., 18 ins. in the ground, for closing cor. of secs. 22 and 23, marked C C U I R with 3 grooves on the S.; 2 grooves on the E., and U F R on N. face; and raise a mound of stone, 2 ft. base, 1½ ft. high S. of cor.
	From the closing cor., the ½ mile cor., bet the 16 mile and 17 mile cors., hereafter described, bears S.67°E., 4.26 chs. dist.
	Land, mountainous.
	Soil; rocky, 4th rate.
	No timber.
	Mountainous land on 77.35 chs.

From the closing cor. of secs. 22 and 23, on the North boundary of Uintah Indian Reservation, I offset as follows:

N.0°02'W., 2.65 chs. to temp. cor. of secs. 14-15-22-23, this cor. afterwards destroyed.
Thence E., on offset line to

18.03	Inter sect North Boundary of Uintah Reservation,
	Set a sandstone, 16x8x5 ins., 11 ins. in the ground, for closing cor. of secs. 14 and 23, marked C C with 2 grooves on the E.; U I R with 3 grooves on the S., U F R on N. faces; and raise a mound of stone, 2 ft. base, 1½ ft. high E. of cor.
	From the closing cor., the ½ mile cor., bet. the 16 and 17 mile cors., which is a sandstone, 14x8x6 ins. above ground, marked as described by Deputies A.H. and F.M. Brown, bears S.73°W., 14.75 chs. dist.

SUBDIVISIONS OF T.5 N.,R.3 W.

CHAINS	
	Thence E., on true line bet.secs.14 and 23, on top of ridge.
21.97	Set a sandstone, 18x12x4 ins., 12 ins. in the ground, for $\frac{1}{4}$ sec.cor., marked $\frac{1}{4}$ on N.face; and raise a mound of stone 2 ft.base, $1\frac{1}{2}$ ft high N.of cor.
	Pits impracticable.
47.83	Intersect North Boundary of Uintah Indian Reservation.
	Set a sandstone, 22x8x4 ins., 16 ins., in the ground, for closing cor.of secs.14 and 23, marked C C on W., U I R with 3 grooves on the S., 2 grooves on the E., and U F R on the N.faces; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft.high, W.of cor.
	From the closing cor., the 16 mile cor., on the boundary, which is a sandstone, 10x8x6 ins.above ground, marked as described by Deputies A.H.and F.M.Brown, bears N.62°45'W., 6.20 chs.dist.
	Land, mountainous.
	Soil; rocky, 4th rate.
	No timber.
	Mountainous land on 29.80 chs. June 21, 1904.
	June 22: From the standard cor.of secs.33 and 34 on S. bdy.of Tp., heretofore described, I run N.0°02'W., bet.secs.33 and 34.
	Descend over mountainous land through heavy pine timber.
16.00	Spring branch, 4 lks.wide, 2 ins.deep, in bottom of hollow, 200 ft.deep, course SE.
	Ascend.
33.00	Top of ridge bears NW.and SE.
	Descend.
40.00	Set a sandstone, 18x10x7 ins., 12 ins.in the ground, for $\frac{1}{4}$ sec.cor., marked $\frac{1}{4}$ on W.face; from which
	A pine, 18 ins.diam., bears N.55°E., 17 lks.dist., marked $\frac{1}{4}$ S 34 B T.
	A pine, 16 ins.diam., bears S.57°W., 10 lks.dist., marked $\frac{1}{4}$ S 33 B T.
58.00	Creek, 20 lks.wide, 10 ins.deep, in bottom of gulch, 500 ft.

SUBDIVISIONS OF T.5 N.,R.3 W.

CHAINS	
	deep, course SE.
	Begin abrupt ascent.
80.00	Set a sandstone, 18x12x5 ins., 12 ins. in the ground, for cor. of secs. 27-28-33 and 34, marked with 1 notch on the S. and 3 notches on the E. edge; from which
	A pine, 14 ins. diam., bears N.64°E., 50 lks. dist., marked T 5 N R 3 W S 27 B T.
	A pine, 5 ins. diam., bears S.52°E., 17 lks. dist., marked T 5 N R 3 W S 34 B T.
	A pine, 4 ins. diam., bears S.61°W., 14 lks. dist., marked T 5 N R 3 W S 33 B T.
	A pine, 14 ins. diam., bears N.45°W., 35 lks. dist., marked T 5 N R 3 W S 28 B T.
	Land, mountainous.
	Soil; rocky, 3rd and 4th rate.
	Timber, pine,
	Mountainous and heavily timbered land on 80.00 chs.

	E. on a random line bet. secs. 27 and 34.
40.00	Set temp. ¼ sec. cor.
80.06	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.
	Ascend gradually over stony ground, through scattering pine timber.
3.00	Begin abrupt ascent.
	Enter heavy pine timber, bearing NE. and SW.
16.50	Top of spur projects S.
	Descend.
40.03	Set a sandstone, 18x12x5 ins., 12 ins. in the ground, for ¼ sec. cor., marked ¼ on N. face; from which
	A pine, 28 ins. diam., bears N.11°E., 50 lks. dist.,

SUBDIVISIONS OF T.5 N.,R.3 W.

CHAINS	
	marked ¼ S 27 B T.
	A pine,20 ins.diam.,bears S.25°W.,6 lks.dist.,
	marked ¼ S 34 B T.
43.00	Bottom of ravine,450 ft.deep,course S.
	Begin abrupt ascent.
60.00	Top of spur projects S.
	Begin abrupt descent.
70.50	Spring branch,4 lks.wide,2 ins.deep,in bottom of
	hollow,200 ft.deep,course SW.
	Begin abrupt ascent.
79.60	Begin gradual ascent.
80.06	The cor.of secs.27-28-33 and 34.
	Land,mountainous.
	Soil:rocky,3rd and 4th rate.
	Timber,pine.
	Mountainous or heavily timbered land on 80.06 chsins.

	N.0°02'W.,bet.secs.27 and 28.
	Ascend over mountainous land through heavy pine timber.
8.00	Top of spur projects SW.
	Descend.
	Leave timber.
40.00	Set a sandstone,18x12x3 ins.,12 ins.in the ground,for
	¼ sec.cor.,marked ¼ on W.face;and raise a mound of stone
	2 ft.base,1½ ft.high,W.of cor.
	Pits impracticable.
46.00	Enter bottom of broad basin,bearingNE.and SW.
	Ascend gradually over rocky land along the west slope
	of ridge.
80.00	Set a sandstone,16x8x4 ins.,11 ins.in the ground,for
	cor.of secs.21-22-27 and 28,marked with 2 notches on the
	S.and 3 notches on the E.edge;and raise a mound of
	stone,2 ft.base,1½ ft.high,W.of cor.
	Pits impracticable.
	Land,mountainous.

SUBDIVISIONS OF T.5 N.,R.3 W.

CHAINS

Soil;rocky,3rd and 4th rate.

Timber,pine.

Mountainous land or heavily timbered on 80.00 chs.

June 22nd,1904.

June 23:

S.89°58'E.on a random line bet.secs.22 and 27.

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

79.98 Intersect N.and S.line,7 lks.S.of the cor.of secs. 22-23-26 and 27.

Thence I run

S.89°59'W.,on a true line bet.secs.22 and 27.

Ascend over mountainous land over sandstone boulders and slide rock.

10.00 Top of ridge bears NE.and SW.

Begin abrupt descent.

24.00 Bottom of hollow,300 ft.deep,course SW.

Ascend.

39.99 Set a sandstone,18x8x8 ins.,12 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.

Pits impracticable.

54.00 Top of ridge bears N.and S.

Descend.abruptly.

Enter heavy pine timber,bearing N.and S.

70.00 Bottom of abrupt descent bears N.and S. Leave timber.

Begin gradual descent in bottom of broad basin.

79.98 The cor.of secs.21-22-27 and 28.

Land,mountainous.

Soil;rocky,3rd and 4th rate.

Timber,pine.

Mountainous land or heavily timbered land on 79.98 chs.

SUBDIVISIONS OF T.5 N.,R.3 W.

CHAINS	
	N.0°02'W.,bet.secs.21 and 22.
	Ascend over mountainous land.
11.00	Enter heavy pine timber,bearing NE.and SW.
21.00	To S.edgeof lake,area about 5 acres,bearing E.and W.
	To pass lake,offset as follows
	E.,5.00 chs.,
	Thence on offset line,N.0°02'W.,8.00 chs.to
29.00	W.,5.00 chs.to true line.
	N.edge of lake,bears E.and W.
40.00	Set a sandstone,24x12x4 ins.,18 ins.in the ground,for ¼ sec.cor.,marked ¼ on W.face;and raise a mound of stone,2 ft.base,1½ ft.high,W.of cor.
	Pits impracticable.
41.50	Begin abrupt ascent over huge sandstone boulders and slide rock.
80.00	Set a sandstone,22x16x10 ins.,16 ins.in the ground,for cor.of secs.15-16-21 and 22,marked
	5 N on NE.,and
	3 W on SE.face,with 3 notches on the S.and E.edges; and raise a mound of stone,2 ft.base,1½ ft.high,W.of cor.
	Pits impracticable.
	Land,mountainous.
	Soil;rocky,3rd and 4th rate.
	Timber,pine.
	Mountainous or heavily timbered land on 80.00 chs.

	Knowing the line bet.secs.15 and 22 intersects the North Boundary of the Uintah Indian Reservation,I run S.89°59'E.,on a true line,bet.secs.15 and 22.
31.00	Top of ridge bears N.and S.
	Begin abrupt descent.
40.00	In bottom of gulch,300 ft.deep,course SE.
	Set a sandstone,20x15x4 ins.,15 ins.in the ground,for ¼ sec.cor.,marked ¼ on N.face;and raise a mound of

SUBDIVISIONS OF T.5 N.,R.3 W.

CHAINS

stone,2 ft.base,1½ ft.high,N.of cor.

Pits impracticable.

73.70 On top of ridge,bearing NW.and SE.,

intersect North Boundary of Uintah Indian Reservation.

Set a sandstone,24x12x5 ins.,18 ins.in the ground,for closing cor.of secs.15 and 22,marked

C C on W.,

U I R with 3 notches on theS.,

U F R on the N.,with 2 grooves on the E.faces;

and raise a mound of stone,2 ft.base,1½ ft.high,W.of cor.

Pits impracticable.

From the closing cor.,the ½ mile cor.bet.the 16 mile and 17 mile cors.,heretofore described,bears S.67°E., 11.06 chs.dist.

Land,mountainous.

Soil;rocky,4th rate.

No timber.

Mountainous land on 73.70 chs.

N.0°02'W.,bet.secs.15 and 16.

Ascend abruptly over broken sandstone ledges and rock slide.

16.64 Intersect north boundary of the Uintah Indian Reservatio ,

Set a sandstone,28x10x10 ins.,21 ins.in the ground,for closing cor.of secs.15 and 16,marked

C C U I R with 3 grooves on the S.,

3 grooves on the E.,and

U F R on the N.faces;and raise a mound of stone, 2 ft.base,1½ ft.high,S.of cor.

Pits impracticable.

From the closing cor.,the 18 mile cor.on the boundary, which is a sandstone,10x7x6 ins.above ground,marked as described by A.H.and F.M.Brown,Deputies,bears N.76°30'W.,26.40 chs.dist.

SUBDIVISIONS OF T.5 N.,R.3 W.

CHAINS	
	Land, mountainous.
	Soil; rocky, 4th rate.
	No timber.
	Mountainous land on 16.64 chs.
	June 23, 1904.
	June 24:
	At the standard cor. of secs.32 and 33, heretofore described on the First Standard Parallel North, in approximate latitude, 40°47'N., longitude 110°15'W., at 1h 17m a.m., l.m.t., I observe Polaris at eastern elongation; and mark a point in the line thus determined by a tack driven in a wooden peg set in the ground, 5 chs. N. of my station.
	At 7h a.m., I lay off the azimuth of Polaris, 1°36' to the west, and mark the meridian thus determined, by cutting a cross on a stone firmly set in the ground, west of the mark established early this morning.
	The magnetic bearing of the true meridian is N16°35'W., which gives the magnetic decl., 16°35'E.
	From the standard cor., I run
	N.0°03'W., bet. secs.32 and 33.
	Descend over rocky land through heavy pine timber.
3.00	Enter creek bottom.
	Over rolling land descend gently.
35.00	Creek, 30 lks. wide, 10 ins. deep, in bottom of broad canon, 500 ft. deep, course SE.
	Ascend over rocky land. Leave bottom of canon.
40.00	Set a sandstone, 20x12x7 ins., 15 ins. in the ground, for ¼ sec. cor., marked ¼ on W. face; from which
	A pine, 12 ins. diam., bears N.43°30'E., 16 lks. dist., marked ¼ S 33 B T.
	A pine, 10 ins. diam., bears S.57°30'W., 16 lks. dist., marked ¼ S 32 B T.
8	

SUBDIVISIONS OF T.5 N.,R.3 W.

CHAINS

67.00 Top of ridge bears NW.and SE.

Descend.

80.00 Set a sandstone,18x8x6 ins.,12 ins.in the ground,for cor.of secs.28-29-32 and 33,marked with 1 notch on the S.and 4 notches on the E'edges;from which

A pine,18 ins.diam.,bears N.32°50'E.,49 lks.dist., marked T 5 N R 3 W S 28 B T.

A pine,10 ins.diam.,bears S.17°30'E.,30 lks.dist., marked T 5 N R 3 W S 33 B T.

A pine,8 ins.diam.,bears S.75°W.,11 lks.dist., marked T 5 N R 3 W S 32 B T.

A pine,10 ins.diam.,bears N.81°30'W.,21 lks.dist., marked T 5 N R 3 W S 29 B T.

Land,mountainous.

Soil;rocky,3rd and 4th rate.

Timber,pine.

Mountainous or heavily timbered land on 80.00 chs.

N.on a random line bet.secs.28 and 33.

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

80.15 Intersect N.and S.line,5 lks.S.of the cor.of secs. 27-28-33 and 34. Thence I run

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

scend abruptly over rocky land through heavy pine timber.

8.00 Top of spur projects SW. Descend.

14.00 Lake,area about 5 acres,bears S.,10.00 chs.dist.

31.00 Creek,15 lks.wide,5 ins.deep,in bottom of ravine,300 ft.deep,course SE.

40.07$\frac{1}{2}$ 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 pine,8 ins.diam.,bears N.26°E.,25 lks.dist. marked $\frac{1}{4}$ S 28 B T.

A pine,7 ins.diam.,bears S.19°W.,39 lks.dist., marked $\frac{1}{4}$ S 33 B T.

SUBDIVISIONS OF T.5 N.,R.3 W.

CHAINS	
75.00	Begin more abrupt ascent.
80.15	The cor. of secs. 28-29-32 and 33.
	Land, mountainous.
	Soil; rocky, 3rd and 4th rate.
	Timber, pine.
	Mountainous and heavily timbered land on 80.15 chs.

	N.0°03'W., bet. secs. 28 and 29.
	Descend over mountainous land through heavy pine timber.
26.30	Edge of lake, area about ½ acre, bears NE. and W.
27.30	N. edge of lake bears E. and W.
	Ascend abruptly over rock slide.
37.50	Leave rock slide.
40.00	Set a sandstone, 22x12x5 ins., 16 ins. in the ground, for ¼ sec. cor., marked ¼ on W. face; from which
	A pine, 16 ins. diam., bears N.87°E., 11 lks. dist., marked ¼ S 28 B T.
	A pine, 14 ins. diam., bears N.53°W., 28 lks. dist., marked ¼ S 29 B T.
42.00	Leave pine timber.
55.00	Top of spur projects NE.
	Descend.
62.00	Begin abrupt descent.
72.00	To south shore of lake.
	Set a sandstone, 24x15x4 ins., 18 ins. in the ground, for meander cor. of fractional secs. 28 and 29, marked
	M C on N., with 2 grooves on the S. face; and raise a mound of stone, 2 ft. base, 1½ ft. high, S. of cor.
	Pits impracticable.
80.00	Point for ¼ sec. cor., falls in lake and cannot be set.
	Land, mountainous.
	Soil; rocky, 3rd and 4th rate.
	Timber pine.
	Mountainous or heavily timbered land on 72.00 chs.
	June 24, 1904.

SUBDIVISIONS OF T.5 N.,R.3 W.

CHAINS June 25;1904.

From the meander cor.,set S.0°03'E.,8.00 chs.dist. from true point for cor.of secs.20-21-28 and 29,I offset as follows:

N.89°58'E.,17.20 chs.,

N.0°03'W.,8.00 chs.to line bet.secs.21 and 28,at

17.20 E.edge of lake. Thence I run

N.89°58'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,6 lks.N.of the cor.of secs. 21-22-27 and 28,

Thence I run

N.89°59'W.,on a true line bet.secs.21 and 28.

Descend over rocky land in bottom of broad basin.

40.05 Set a sandstone,24x15x4 ins.,18 ins.in the ground,for $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on N.face;and raise a mound of stone 2 ft.base,$1\frac{1}{2}$ ft.high,N.of cor.

Pits impracticable.

62.90 To E.edge of lake,bearing S.and NE.

Point for cor.falls on a sandstone rock in place,40x 24x8 ins.above ground;cut a cross (x) at exact cor. point,for meander cor.of fractional secs.21 and 28, marked M C on W.,with 4 grooves on the E.face;and raise a mound of stone,2 ft.base,$1\frac{1}{2}$ ft.high,E.of cor.

Pits impracticable.

80.10 Cor.falls in lake and is not set.

Land,mountainous.

$\frac{62.90}{17.20}$

Soil;rocky,3rd and 4th rate.

No timber.

Mountainous land on 62.90 chs.

From the meander cor.,set 17.20 chs.S.89°59'E.of the true point for cor.of secs.20-21-28 and 29,I offset as follows

S.89°59'E.2.60 chs.,

SUBDIVISIONS OF T.5 N.,R.3 W.

CHAINS	
	N.0°03'W.,20.00 chs.,
	N.89°59'W.,19.80 chs.
	S.0°03'E.,4.90 chsto edge of lake bearing NE.and SW.
15.10	Set a sandstone,18x12x5 ins.,12 ins.in the ground,for meander cor.of fractional secs.20 and 21,marked M C on S.,with 4 grooves on the N.face;and raise a mound of stone,2 ft.base,1½ ft.high,N.of cor.
	Pits impracticable.
	Thence I run
	N.0°03'W.,bet.secs.20 and 21.
	Ascend over rocky land.
34.00	Begin abrupt ascent over broken sandstone ledges and boulders.
40.00	Set a sandstone,30x15x8 ins.,22 ins.in the ground,for ¼ sec.cor.,marked ¼ on W.face;and raise a mound of stone,2 ft.base,1½ ft.high,W.of cor.
	Pits impracticable.
80.00	Set a sandstone,26x20x10 ins.,19 ins.in the ground,for cor.of secs.16-17-20 and 21,marked with 3 notches on the S.and 4 notches on the E.edge;and raise a mound of stone,2 ft.base,1½ ft.high,W.of cor.
6490/15.10	
	Pits impracticable.
	Land,mountainous.
	Soil;rocky,3rd and 4th rate.
	Timber,none.
	Mountainous land on 64.90 chs.

	S.89°59'E.on a random line bet.secs.16 and 21.
40.00	Set temp.¼ sec.cor.
80.02	Intersect N.and S.line,3 lks.N.of the cor.of secs. 15-16-21 and 22.
	Thence I run
	N.89°58'W.,on a true line bet.secs.16 and 21.

SUBDIVISIONS OF T.5 N., R.3 W.

CHAINS	
	Descend over mountainous land along S.slope of a high mountain.
13.00	Bottom of hollow, 200 ft.deep, course S.
	Ascend.
36.00	Top of spur projects S.
	Descend.
40.01	Set a sandstone, 24x12x4 ins., 18 ins.in the ground, for ¼ sec.cor., marked ¼ on N.face; and raise a mound of stone, 2 ft.base, 1½ ft.high, N.of cor.
	Pits impracticable.
53.00	Bottom of hollow, 200 ft.deep, course SW.
	Ascend.
59.00	Top of spur projects S.
	Descend.
80.02	The cor.of secs.16-17-20 and 21.
	Land, mountainous.
	Soil; rocky, 4th rate.
	No timber.
	Mountainous land on 80.02 chs.

	N.0°03'E., bet.secs.16 and 17.
	Begin abrupt ascent over sandstone boulders and ledges.
35.80	Intersect North Boundary of Uintah Indian Reservation.
	Set a sandstone, 20x8x8 ins., 15 ins.in the ground, for closing cor.of secs.16 and 17, marked
	C C U I R with 3 grooves on the S.,
	4 grooves on the E., and
	U F R on the N.face; and raise a mound of stone 2 ft.base, 1½ ft.high, S.of cor.
	Pits impracticable.
	From the closing cor., the ½ mile cor., bet.the 18 mile and 19 mile cors., which is a sandstone, 10x7x6 ins.above ground, marked as described by Deputies A.H.and F.M. Brown, bears S.76°30'E., 15.90 chs.dist.

SUBDIVISIONS OF T.5 N.,R.3 W.

CHAINS	
	Land,mountainous.
	Soil;rocky,4th rate.
	No timber.
	Mountainous land on 35.80 chs. June 25,1904.
	June 26:From the standard cor.of secs.31 and 32 on S.bdy of Tp.,heretofore described,I run
	N.0°04'W.,bet.secs.31 and 32.
	Descend over mountainous land through heavy pine timber.
16.00	Creek,20 lks.wide,8 ins.deep,course E.
	Ascend.
40.00	Set a sandstone,15x12x6 ins.,10 ins.in the ground,for ¼ sec.cor.,marked ¼ on W.face;from which
	A pine,13 ins.diam.,bears N.60°W.,7 lks.dist., marked ¼ S 31 B T.
	A pine,12 ins.diam.,bears N.25°E.,20 lks.dist., marked ¼ S 32 B T.
78.00	Creek, 25 lks. wide, 10 ins. deep, course SE.
80.00	Set a sandstone,18x10x4 ins.,12 ins.in the ground,for cor.of secs.29-30-31 and 32,marked with 1 notch on the S.and 5 notches on the E.edge;from which
	A pine,10 ins.diam.,bears N.71°E.,18 lks.dist., marked T 5 N R 3 W S 29 B T.
	A pine,12 ins.diam.,bears S.17°E.,23 lks.dist., marked T 5 N R 3 W S 32 B T.
	A pine,8 ins.diam.,bears S.87°W.,27 lks.dist., marked T 5 N R 3 W S 31 B T.
	A pine,14 ins.diam.,bears N.43°W.,14 lks.dist., marked T 5 N R 3 W S 30 B T.
	Land,mountainous.
	Soil;rocky,3rd and 4th rate.
	Timber,pine.
	Mountainous and heavily timbered land on 80.00 chs.
	E.on a random line bet.secs.29 and 32.

SUBDIVISIONS OF T.5 N.,R.3 W.

CHAINS

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

79.92 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.

Ascend over mountainous land along the NE.slope of ridge, through heavy pine timber.

15.50 Top of ridge bears NW.and SE.

Descend.

39.96 Set a sandstone,14x10x7 ins.,9 ins.in the ground,for $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on N.face;from which

A pine,14 ins.diam.,bears S.49°30'E.,60 lks.dist., marked $\frac{1}{4}$ S 32 B.T.

A pine,12 ins.diam.,bears N.21°W.,7 lks.dist., marked $\frac{1}{4}$ S 29 B T.

79.92 The cor.of secs.29-30-31 and 32.

Land,mountainous.

Soil;rocky,3rd and 4th rate.

Timber,pine.

Mountainous and heavily timbered land on 79.92 chs.

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

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

79.84 Intersect W.bdy.of the Tp.,9 lks.N.of the cor.of secs. 25-30-31 and 36,heretofore described.

Thence I run

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

Descend over mountainous land through heavy pine timber.

39.84 Set a sandstone,24x8x4 ins.,18 ins.in the ground,for $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on N.face;from which

A pine,5 ins.diam.,bears N.49°E.,27 lks.dist., marked $\frac{1}{4}$ S 30 B T.

SUBDIVISIONS OF T.5 N.,R.3 W.

CHAINS	
	A pine,8 ins.diam.,bears S.71° E.,35 lks.,dist. marked ¼ S 31 B T.
74.00	Creek,25 lks.wide,10 ins.deep,course SE.
	Ascend.
79.84	The cor.of secs.29-30-31 and 32.
	Land,mountainous.
	Soil;rocky,3rd and 4th rate.
	Timber pine.
	Mountainous and heavily timbered land on 79.84 chs.
	June 26,1904.
	June 27:
	N.0°04'W.,bet.secs.29 and 30.
	Ascend over mountainous land along the west slope of a high ridge.
40.00	Set a sandstone,24x8x7 ins.,18 ins.in the ground,for ¼ sec.cor.,marked ¼ on W.face;and raise a mound of stone,2 ft.base,1½ ft.high,W.of cor
	Pits impracticable.
80.00	Set a sandstone,16x9x4 ins.,11 ins.in the ground,for cor.of secs.19-20-29 and 30,marked with 2 notches on the S.and 5 notches on the E.edge;and raise a mound of stone,2 ft.base,1½ ft.high,W.of cor.
	Pits impracticable.
	Land,mountainous.
	Soil;rocky,4th rate.
	No timber.
	Mountainous land on 80.00 chs.
	S.89°57'E.on a random line bet.secs.20 and 29.
40.00	Set temp.¼ sec.cor.
71.12	To west edge of lake.

CHAINS	
	To pass lake,I offset as follows
	S.0°03'E.,8.00 chs.
	Thence on offset line
	S.89°57'E.,9.00 chs. to
80.12	To S.edge of lake.
	Intersect N.and S.line,9 lks.S.of the meander cor.of fractional secs.28 and 29.
	Thence I run on true offset line as follows:
	S.89°59'W.,9.00 chs.
	N.0°03'W.,8.00 chs to
9.00	on true line,bet.secs.20 and 29.
	W.edge of lake,bears NE.and SE.
	Set a sandstone,18x9x5 ins.,12 ins.in the ground,for meander cor.of fractional secs.20 and 29,marked M C on E.with 2 grooves on the W.face;and raise a mound of stone,2 ft.base,1½ ft.high,W.of cor. Pits impracticable.
	S.89°59'W.,on a true line,bet.secs.20 and 29.
	Ascend over mountainous land.
40.06	Set a sandstone,14x8x6 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.
	Pits impracticable.
70.00	Top of ridge bears NW.and SE.
80.12	The cor.of secs.19-20-29 and 30.
	Land,mountainous.
	Soil;rocky,4th rate.
	No timber.
	Mountainous land on 80.12 chs.

SUBDIVISIONS OF T.5 N.,R.3 W.

CHAINS	
	S.89°56'W. on a random line bet. secs. 19 and 30.
40.00	Set temp. ¼ sec. cor.
79.69	Intersect W. bdy. of the Tp., 5 lks. S. 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.
	Ascend over mountainous land through heavy pine timber.
6.50	Begin abrupt ascent bearing NW. and SE.
28.00	Top of spur projects SE.
	Descend. Leave timber.
38.50	Bottom of ravine, 200 ft. deep, course SE.
	Ascend.
39.69	Set a sandstone, 24x8x6 ins., 18 ins. in the ground, for ¼ sec. cor., marked ¼ on N. face; and raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.
	Pits impracticable.
79.69	The cor. of secs. 19-20-29 and 30.
	Land, mountainous.
	Soil; rocky, 3rd and 4th rate,
	Timber, pine.
	Mountainous and heavily timbered land on 79.69 chs.
	June 27, 1904.

	June 28:
	N.0°04'W., bet. secs. 19 and 20.
	Ascend abruptly over sandstone boulders and rock slide.
8.00	Top of ridge bears NW. and SE.
	Descend.
40.00	Set a sandstone, 28x16x5 ins., 21 ins. in the ground, for ¼ sec. cor., marked ¼ on W. face; and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
	Pits impracticable.
46.00	Bottom of gulch, 400 ft. deep, course SE.

SUBDIVISIONS OF T.5 N.,R.3 W.

CHAINS

Begin abrupt ascent over broken sandstone ledges.

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 the S.and 5 notches on the E.edge;and raise a mound of stone,2 ft.base,1½ ft.high,W.of cor.

Pits impracticable.

Land,mountainous.

Soil;rocky,4th rate.

No timber.

Mountainous land on 80.00 chs.

N.89°59'E.;on a random line bet.secs.17 and 20.

40.00 Set temp.¼ sec.cor.

80.08 Intersect N.and S.line,3 lks.N.of the cor.of secs. 16-17-20 and 21.

Thence I run

West on a true line

bet.secs.17 and 20.

Descend over huge sandstone boulders and rock slide.

32.50 Bottom of hollow,300 ft.dee p,course S.

Ascend.

40.04 Set a sandstone,18x7x6 ins.,12 ins.in the ground,for ¼ sec.cor.,marked ¼ on N.face;and raise a mound of stone,2 ft.base,1½ ft.high,N.of cor.

Pits impracticable.

59.00 Top of spur projects S.

Descend.

80.08 The cor.of secs.17-18-19 and 20.

Land,mountainous.

Soil;rocky,4th rate.

No timber.

Mountainous land on 80.08 chs.

S.89°58'W.on a random line bet.secs.18 and 19.

SUBDIVISIONS OF T.5 N.,R.3 W.

CHAINS	
40.00	Set temp.$\frac{1}{4}$ sec.cor.
79.64	Intersect the W,bdy.of the Tp.,7 lks.S.of the cor.of secs.13-18-19 and 24,heretofore described.
	Thence I run
	S.89°59'E.,on a true line bet.secs.18 and 19.
	Descend over broken sandstone ledges and rock slide.
39.64	Set a sandstone,26x12x4 ins.,19 ins.in the ground,for $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on N.face;and raise a mound of stone,2 ft.base,1$\frac{1}{2}$ ft.high,N.of cor.
	Pits impracticable.
41.00	Bottom of hollow,200 ft.deep,course SE.
	Ascend.
55.00	Top of spur projects SE.
	Descend.
67.50	Bottom of hollow 200 ft.deep,course S.
	Ascend.
79.64	The cor.of secs.17-18-19 and 20.
	Land,mountainous.
	Soil;rocky,4th rate.
	No timber.
	Mountainous land on 79.64 chs.
	N.0°04'W.,bet.secs.17 and 18.
	Ascend abruptly over huge sandstone boulders and rock slide and broken sandstone ledges.
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;and raise a mound of stone,2 ft.base,1$\frac{1}{2}$ ft.high,W.of cor.
	Pits impracticable.
64.30	Intersect the North Boundary of the Uintah Indian Reservation.
	Set a sandstone,24x10x8 ins.,18 ins.in the ground,for

SUBDIVISIONS OF T.5 N.,R.3 W.

CHAINS	
	closing cor.of fracl.secs.17 and 18,marked
	C C U I R with 4 grooves on the S.,
	5 grooves on the E.,and UFR on N.face,and
	raise a mound of stone,2 ft.base,1½ ft.high,S.of cor.
	Pits impracticable.
	From the closing cor.,the ½ mile cor.,bet.the 19 mile and
	20 mile cors.,which is a sandstone,12x8x7 ins.above
	ground,marked as described by Deputies A.H.and F.M.Brown,
	bears S.69°E.,20.80 chs.dist.
	Land,mountainous.
	Soil;rocky,4th rate.
	No timber.
	Mountainous land on 64.30 chs.
	June 28,1904.

SUBDIVISIONS OF T.5 N.,R.3 W.

CHAINS

GENERAL DESCRIPTION.

This township lies along the south slope of a high mountain range,altitude about 13,000 ft.above sea level, and forming the north boundary of the Uintah Indian Reservation.

There are numerous spring branches and mountain creeks in the southern portion of the township,and along their courses and over the adjacent low mountain spurs a heavy growth of pine timber is found.

The remaining portion of the township is covered with heavy slide rock and sandstone breaks and ledges.

On account of these conditions of altitude and sterile character of land,the township is unfit for grazing or agricultural purposes.

There is no mineral in this township.

There are no settlers in this township.

James Carick

U.S.Deputy Surveyor.

Meanders in T.5 N.,R.3 W.

Meanders of lake.

June 24,1904.

I commence at the meander cor.of fracl.secs.28 and 29, on the south shore of lake,and run with meanders in sec. 28.

Over mountainous land.

East,	17.20 chs.	To out let creek,15 lks.wide 8 ins.deep,course SE.
North,	8.00 chs.	To meander cor.of fracl.secs. 21 and 28,on the E.shore of lake.

Land,mountainous.

Soil;rocky,3rd and 4th rate.

No timber.

Mountainous land on 25.20 chs. June 24,1904.

June 25:

Thence in sec.21.

Over mountainous land.

N.40°E.	2.20 chs.	
N.52°W.	12.40 chs.	
N.16°W.,	8.80 chs.	
S.68°W.,	6.92 chs.	To meander cor.of fracl.secs. 20 and 21,on the N.shore of lake.

Land,mountainous.

Soil;rocky,3rd and 4th rate.

No timber.

Mountainous land on 30.32 chs.

June 25,1904.

June 27, 1904.

Thence In sec. 20.

Over Mountainous land.

S.31°W.,	17.57 chs.	To meander cor.of fracl.secs. 20 and 29,on the W.shore of lake.

Land,mountainous.

Soil;rocky,3rd and 4th rate.

No timber.

Mountainous land on 17.57 chs.

Meanders in T.5 N.,R.3 W.

Thence in sec.29.

Over mountainous land.

S.48°30'E., 12.02 chs. To meander cor.of fracl. secs.28 and 29,at place of beginning.

Land,mountainous.

Soil;rocky,3rd and 4th rate.

No timber.

Mountainous land on 12.02 chs.

June 27,1904.

James C. Dick

U.S.Deputy Surveyor.

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

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

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

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

.....

owing the respective capacities in which they acted:

For final affidavits see book "Q" Tp. 5 N. R. 4 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

ose parts or portions of the .....

.....

.....

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

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

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

For final affidavits see book "Q" Tp. 5 N. R. 4 W. ....., *Chainman.*

....., *Chainman.*

....., *Moundman.*

....., *Moundman.*

....., *Axman.*

....., *Axman.*

....., *Flagman.*

.....

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

SEAL

-151

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

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

For final affidavit see book "Q" Tp. 5 N. R. 4 W.

.....of the

.....meridian, in the.....of....., which are represented in foregoing field notes as having been surveyed by me, and under my direction; and I do further solem swear that all the corners of said survey have been established and perpetuated in strict accordance the Manual of Surveying Instructions, and the special written instructions of the United States Sur 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 the penalty of perjury under the provisions of an Act of Congress approved August 8, 1846.

United States Deputy Su

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

SEAL

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, November 9, 19

The foregoing field notes of the survey of the subdivisional lines of Townshi No. 5 North, Range No. 3 West of the Uintah Special Base and Meridia Utah,

executed by James C. Dick and Austin K. Tiernan under their contract No. 272, dated July 22, 1903, 189 , having critically examined, and the necessary corrections and explanations made, the said field notes, a surveys they describe, are hereby approved.

Edward M. Anderson

United States Surveyor G

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

United States Surveyor G

6—131

BLANK

PAGE

BLANK

PAGE

4—679.

BOOK A-310

FILED
SEP 22 1904

Q.

FIELD NOTES

OF THE SURVEY OF THE

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

of

Township No. 5 North

Range No. 4 West.

Of the Uintah Special Base and *Meridian,*

In the State of Utah.

AS SURVEYED BY

James C. Dick, and Austin K. Tiernan, *United States Deputy Surveyors*

Under ~~his~~ their *Contract No.* 272, *dated* July 22, 1903., ~~180~~

Survey commenced June 29, 1904., ~~180~~

Survey completed July 6, 1904., ~~180~~

6—151

22 47.16

L 45.42

NAMES AND DUTIES OF ASSISTANTS.

H.H.Bader,	Chainman.
Robert Orbison,	"
Will Castleton,	Moundman.
John Davis,	Axman.
Foster W.Walker,	"
Joseph Harrison,	Flagman.

For preliminary affidavits see book "P" Tp.5 N.R.3 W.

6—151

BOOK A-310

INDEX DIAGRAM.

Township 5 N., *Range* 4 W.

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

Meanders Page

G—151

PRELIMINARY OATHS OF ASSISTANTS.

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

.....

..... , *Chainm*

..... , *Chainm*

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

.....

SEAL

.....

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

.....

..... , *Moundm*

..... , *Moundm*

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

.....

SEAL

.....

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

.....

..... , *Axm*

..... , *Axm*

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

.....

SEAL

.....

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

..... , *Flagm*

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

.....

SEAL

.....

SUBDIVISIONS OF T.5 N.,R.4 W.

CHAIN

Survey commenced June 29,1904,and executed with the instrument described in book "A" of this survey.
At the standard cor.of secs.35 and 36,heretofore describe on the First Standard Parallel North,approximate latitude 40°47'N.,longitude,110°18'W.,at 1h.00m.a.m.,l.m.t.,.
I observe Polaris at eastern elongation,indaccordance witn Instructions in the Manual,and mark a point in the line thus determined,by a tack driven in a wooden pag set in the ground,5 chs.N.of my station.

:At 7h a.m.,I lay off the azimuth of Polaris,1° 36'to the west,and mark the meridian thus determined by cutting a cross on a stone firmly set in the ground, west of the mark established early this morning.
The magnetic bearing of the true meridian isN16°36'W., which gives the mag.decl.16°36'E.
From the standard cor.,I run

N.0°01'W.,bet.secs.35 and 36.

Ascend over mountainous land through scattering pine timber.

40.00 Set a sandstone,16x10x6 ins.,11 ins.in the ground,for ¼ sec.cor.,marked ¼ on W.face;from which

A pine,10 ins.diam.,bears S.15°E.,1.70 chs.dist., marked ¼ S 36 B T.

A pine,5 ins.diam.,bears N.43°W.,69 lks.dist., marked ¼ S 35 B T.

78.00 Begin abrupt.ascent.

80.00 Point for cor.of secs.,falls on a sandstone rock in place,2x2x2 ft.above ground;cut a cross(x) at exact cor. point,for cor.of secs.25-26-35 and 36,marked with 1 groove on the S.and E.side of cross;from which

A pine,10 ins.diam.,bears S.28°E.,2.70 chs.dist.,

SUBDIVISIONS OF T.5 N.,R.4 W.

CHAINS	
	marked T 5 N R 4 W S 36 B T.
	A pine,6 ins.diam.,bears S.3°W.,1.83 chs.dist.,
	marked T 5 N R 4 W S 35 B T.
	No other trees within limits;and raise a mound of
	stone,2 ft.base,1½ ft.high,W.of cor.
	Pits impracticable.
	Land,mountainous.
	Soil;rocky,4th rate.
	Timber,pine.
	Mountainous land on 80.00 chs.

	E.on a random line bet.secs.25 and 36.
40.00	Set temp.¼ sec.cor.
79.80	Intersect E.bdy.of the Tp.,9 lks.N.of the cor.of secs.
	25-30-31 and 36,heretofore described.
	Thence I run
	N.89°56'W.,on a true line
	bet.secs.25 and 36.
	Ascend along the south slope of a high ridge through
	heavy pine timber.
22.00	Top of ridge bears NE.and W. Thence along top of ridge.
39.90	Set a sandstone,14x10x6 ins.,9 ins.in the ground,for
	12 ins.in the ground,for ¼ sec.cor.,marked ¼ on N.face:
	from which
	A pine,6 ins.diam.,bears N.24°E.,30 lks.dist.;
	marked ¼ S 25 B T.
	A pine,5 ins.diam.,bears S.2°E.,18 lks.dist.,
	marked ¼ S 36 B T.
70.00	Leave top of ridge,bearing SW.and E.
	Descend. Leave heavy and enter scattering pine timber.
79.80	The cor.of secs.25-26-35 and 36.
	Land,mountainous.
	Soil;rocky,4th rate.
	Timber,pine.
	Mountainous or heavily timbered land on 79.80 chs.

SUBDIVISIONS OF T.5 N.,R.4 W.

CHAINS	
	N.0°01'W.,bet.secs.25 and 26.
	Ascend abruptly over rock slide.
20.00	Top of ridge bears W.and SE.
	Begin abrupt descent over rock slide.
40.00	Set a sandstone,17x9x6 ins.,12 ins.in the ground,for ¼ sec.cor.,marked ¼ on W.face;and raise a mound of stone,2 ft.base,1½ ft.high,W.of cor.
	Pits impracticable.
44.00	Bottom of abrupt descent and rock slide bears NW.and SE.
	Begin gradual descent.
57.00	Creek,20 lks.wide,8 ins.deep,in bottom of gulch,500 ft. deep,course SE.
	Begin abrupt ascent.
65.00	Top of spur projects SE.
	Descend.
75.50	Creek,10 lks.wide,6 ins.deep,in bottom of ravine,300 ft.deep,course SE.
	Begin abrupt ascent. Enter heavy pine timber,bearing E.and W.
80.00	Set a sandstone,16x6x6 ins.,11 ins.in the ground,for cor.of secs.23-24-25 and 26,marked with 2 notches on the S.and 1 notch on the E.edge;from which
	A pine,8 ins.diam.,bears N.67°E.,50 lks.dist., marked T 5 N R 4 W S 24 B T.
	A pine,8 ins.diam.,bears S.50°E.,17 lks.dist., marked T 5 N R 4 W S 25 B T.
	A pine,9 ins.diam.,bears S.37°W.,35 lks.dist., marked T 5 N R 4 W S 26 B T.
	A pine,6 ins.diam.,bears N.38°W.,49 lks.dist., marked T 5 N R 4 W S 23 B T.
	Land,mountainous.
	Soil;rocky,3rd and 4th rate.
	Timber,pine.
	Mountainous or heavily timbered land on 80.00 chs.

June 29,1904.

SUBDIVISIONS OF T.5 N.,R.4 W.

CHAINS	
	June 30;1904.
	S.89°56'E.on a random line bet.secs.24 and 25.
40.00	Set temp.$\frac{1}{4}$ sec.cor.
79.70	Intersect E.bdy.of the Tp.,5 lks.S.of the cor.of secs. 19-24-25 and 30,heretofore described. Thence I run N.89°58'W.,on a true line bet.secs.24 and 25. Descend over mountainous land through heavvy pine timber.
13.00	Creek,5 lks.wide,2 ins.deep,in bottom of hollow,100 ft. deep,course SE.
	Ascend over broken sandstone ledges. Leave timber.
39.85	Set a sandstone,18x6x6 ins.,12 ins.in the ground,for $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on N.face;and raise a mound of stone, 2 ft.base,$1\frac{1}{2}$ ft.high,N.of cor.
	Pits impracticable.
70.00	Top of spur projects SE.
	Descend.
	Enter heavy pine timber,bearing NW.and SE.
79.70	The cor.of secs.23-24-25 and 26.
	Land,mountainous.
	Soil;rocky,3rd and 4th rate.
	Timber,pine.
	Mountainous or heavily timbered land on 79.70 chs.

	N.0°01'W.,bet.secs.23 and 24.
	Ascend abruptly over sandstone boulders and slide rock, through heavy timber.
10.00	Leave timber.
40.00	Set a sandstone,20x8x7 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.
	Pits impracticable.
80.00	Set a sandstone,14x8x5 ins.,9 ins.in the ground,for cor.of secs.13-14-23 and 24,marked with 3 notches on the S.and 1 notch on the E.edge;and raise a mound of stone,2 ft.base,$1\frac{1}{2}$ ft.high,W.of cor.
	Pits impracticable.

SUBDIVISIONS OF T.5 N.,R.4 W.

CHAINS	
	Land,mountainous.
	Soil;rocky,4th rate.
	Timber,pine.
	Mountainous or heavily timbered land on 80.00 chs.

	S.89°58'E.on a random line bet.secs.13 and 24.
40.00	Set temp.½ sec.cor.
79.60	Intersect E.bdy.of the Tp.,3 lks.S.of the cor.of secs. 13-18-19 and 24,heretofore described.
	Thence I run
	N.89°59'W.,on a true line bet.secs.13 and 24.
	Ascend over mountainous land along the N.slope of spur,over rock slide.
39.80	Set a sandstone,16x9x5 ins.,11 ins.in the ground,for ½ sec.cor.,marked ½ on N.face;and raise a mound of stone,2 ft.base,1½ ft.high,N.of cor.
	Pits impracticable.
45.00	Top of ridge bears NW.and SE.
	Descend.
79.60	The cor.of secs.13-14-23 and 24.
	Land,mountainous.
	Soil;rocky,4th rate.
	No timber.
	Mountainous land on 79.60 chs.

	N.0°01'W.,bet.secs.13 and 14.
	Ascend abruptly over rock slide .
18.53	Intersect North Boundary of Uintah Indian Reservation. On top of dividing ridge. Set a sandstone,28x12x4 ins.,21 ins.in the ground,for closing cor.of secs.13 and 14,marked C C U I R with 4 grooves on the S., 1 groove on the E.,and U F R on the N.faces;and raise a mound of stone,2 ft.

SUBDIVISIONS OF T.5 N.,R.4 W.

CHAINS	
	base,1½ ft.high,S.of cor.
	From the closing cor.,the 22 mile cor.on the boundary, which is a sandstone,10x8x7 ins.above ground,marked as described by A.H.and F.M.Brown,Deputies,bears S.74°45' W.,13.27 chs.dist.
	Land;mountainous.
	Soil;rocky,4th rate.
	No timber.
	Mountainous land on 18.53 chs.
	June 30,1904.

	July 1: From the Std.Cor.of secs.34 and 35,on S.bdy.of Tp. heretofore described,I run N.0°02'W.,bet.secs.34 and 35.
	Descend over mountainous land through scattering pine timber.
16.50	Creek,6 lks.wide,3 ins.deep,in bottom of draw,200 ft.deep, course SE.
36.00	Leave timber.
40.00	Set a sandstone,17x9x7 ins.,12 ins.in the ground,for ¼ sec.cor.,marked ¼ on W.face;and raise a mound of stone 2 ft.base,1½ ft.high,W.of cor.
	Pits impracticable.
80.00	Set a sandstone,16x11x5 ins.,11 ins.in the ground,for cor.of secs.26-27-34 and 35,marked with 1 notch on the S.and 2 notches on the E.edge;and raise a mound of stone,2 ft.base,1½ high,W.of cor.
	Pits impracticable.
	Land,mountainous.
	Soil;rocky,3rd and 4th rate.
	Timber,pine.
	Mountainous land on 80.00 chs.

SUBDIVISIONS OF T.5 N.,R.4 W.

CHAINS	
	E.on a random line bet.secs.26 and 35.
40.00	Set temp.$\frac{1}{4}$ sec.cor.
80.04	Intersect N.and S.line,7 lks.N.of the cor.of secs.25-26-35 and 36.
	Thence I run
	N.89°57'W.,on a true line
	bet.secs.26 and 35.
	Descend over rocky land through scattering pine timber.
24.50	Leave timber.
30.00	E. edge of lake,bearing NW.and SW.,area about 2 acres.
	To pass lake,offset as follows:
	N.,4.00 chs.
	Thence on offset line
	N.89°57'W.,5.00 chs.
	S.,4.00 chs.to true line
35.00	W.edge of lake bears NE.and SE. Ascend.
40.02	Set a sandstone,18x10x5 ins.,12 ins.in the ground,for $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on N.face;and raise a mound of stone,2 ft.base,1$\frac{1}{2}$ ft.high,N.of cor.
	Pits impracticable.
60.00	Top of ridge bears NE.and NW.
	Descend,along the south slope of ridge,over slide rock.
80.04	The cor.of secs.26-27-34 and 35.
	Land,mountainous .
	Soil;rocky,3rd and 4th rate.
	Timber,pine.
	Mountainous land on 80.04 chs.

SUBDIVISIONS OF T.5 N.,R.4 W.

CHAINS	
	N.0°02'W.,bet.secs.26 and 27.
	Ascend over mountainous land.
5.00	Top of ridge bears E.and W.
	Descend.
40.00	Set a sandstone,14x9x6 ins.,9 ins.in the ground,for ¼ sec.cor.,marked ¼ on W.face;and raise a mound of stone 2 ft.base,1½ ft.high,W.of cor.
	Pits impracticable.
77.00	Creek,20 lks.wide,8 ins.deep,in bottom of gulch,500 ft.d deep,course SE.
	Begin abrupt ascent over huge sandstone boulders and slide rock.
80.00	Set a sandstone,19x12x6ins.,13 ins.in the ground,for cor.of secs.22-23-26 and 27,marked with 2 notches on the S.and E.edges;and raise a mound of stone,2 ft.base,1½ ft.high,W.of cor. Pits impracticable.
	Land,mountainous.
	Soil;rocky,3rd and 4th rate.
	No timber.
	Mountainous land on 80.00 chs.
	July 1,1904.

	July 2,1904.
	S.89°57'E.on a random line bet.secs.23 and 26.
40.00	Set temp.¼ sec.cor.
79.68	Intersect N.and S.line,7 lks.S.of the cor.of secs. 23-24-25 and 26.
	Thence I run
	West on a true line
	bet.secs.23 and 26.
	Descend over mountainous land through scattering pine timber.
7.00	Creek,10 lks.wide,5 ins.deep,in bottom of draw,200 ft. deep,course SE.
	Ascend.
39.84	Set a sandstone,14x12x4 ins.,9 ins.in the ground,for

SUBDIVISIONS OF T.5N.,R.4 W.

CHAINS

$\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on N.face;and raise a mound of stone,2 ft.base,$1\frac{1}{2}$ ft.high,N.of cor.

Pits impracticable.

This $\frac{1}{4}$ sec.cor.falls on top of ridge bearing NW.and SE.

Descend.

79.68 The cor.of secs.22-23-26 and 27.

Land,mountainous.

Soil;rocky,3rd and 4th rate.

Timber,pine.

Mountainous land on 79,68 chs.

N.0°02'W.,bet.secs.22 and 23.

Ascend abruptly over huge sandstone boulders and rock slide.

17.00 Top of ridge bears NW.and SE.

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;and raise a mound of stone,2 ft.base,$1\frac{1}{2}$ ft.high,W.of cor.

Pits impracticable.

50.50 Bottom of gulch,300 ft.deep,course SE.

Begin abrupt ascent over rock slide.

76.80 Intersect North Boundary of Uintah Indian Reservation.

Set a sandstone24x8x8 ins.,18 ins.in the ground,for closing cor.of secs.22 and 23,marked

C C U I R with 3 notches on the S.,

2 notches on the E.,and

U F R on the N.faces;and raise a mound of stone, 2 ft.base,$1\frac{1}{2}$ ft.high,S.of cor.

Pits impracticable.

From the closing cor.,the 23 mile cor.on the boundary, which is a sandstone,14x10x10 ins.above ground, marked as described by A.H.and F.M.Brown,Deputies,bears S.74°45'W.,10.77 chs.dist.

Land,mountainous.

SUBDIVISIONS OF T.5 N.,R.4 W.

CHAINS	
	Soil;rocky,4th rate.
	No timber.
	Mountainous land on 76.60 chs.

	Knowing the line bet.secs.14 and 23,intersects the North Boundary of Uintah Indian Reservation at the west end of the line,I commence at the cor.of secs.13-14-23 and 24,and run
	West on a true line
	bet.secs.14 and 23.
	Descend over mountainous land along the south slope of a high ridge,over rock slide.
31.00	Bottom of gulch,100 ft.deep,course SE.
	Ascend.
40.00	Set a sandstone,18x9x5 ins.,12 ins.in the ground,for ¼ sec.cor.,marked ¼ on N.face;and raise a mound of stone 2 ft.base,1½ ft.high,N.of cor.
	Pits impracticable.
68.15	Intersect North boundary of Uintah Indian Reservation. On diviac ridge, Set a sandstone,22x8x8 ins.,16 ins.in the ground,for closing cor.of secs.14 and 23,marked
	C C with 2 grooves on the E.,
	U I R with 3 grooves on the S.,and
	U F R on the N.faces;and raise a mound of stone,2 ft.base,1½ ft.high,E.of cor.
	Pits impracticable.
	From the closing cor.,the ½ mile cor.,bet.the 22 mile and 23 mile cors.,which is a sandstone 9x7x6 ins. above ground,marked as described by A.H.and F.M.Brown, Deputy Surveyors,bears N.74°45'E.,17.53 chs.dist.
	Land,mountainous.
	Soil;rocky,4th rate.
	No timber.
	Mountainous land on 68.15 chs.
	July 2nd,1904.

SUBDIVISIONS OF T.5 N.,R.4 W.

CHAINS

July 3:,1904:At the standard cor.of secs.33 and 34,on the First standard Parallel North,heretofore decribed, in latitude 40°47'N.,lngitude 110°21'W.,at 12h 41 m p.m.,l.m.t.,I observe Polaris at eastern elongation, in accordance with the Manual of Instructions,and mark a point in the line thus determined,by a tack driven in a wooden peg set in the ground 5 chs.N.of the standard cor.

At 7h a.m.,l.m.t.,I lay off the azimuth of Polaris,1°36'to the west,and mark the meridian thus determined by cutting a cross on a stone firmly set in the ground,west of the mark established early this.A.M. The magnetic bearing of the true meridian is N.16°37'W., which gives the magnetic decl.,16°37'E.

From the standard cor.,I run

N.0°02'W.,bet.secs.33 and 34.

Descend over mountainous land over huge sandstone boulders.

16.00 Creek, 6 lks.wide,3 ins.deep,in bottom of draw,100 ft. deep,course SE. From small lake about 8 chs.to the NW.Asc

40.00 Set a sandstone,18x9x4 ins.,12 ins.in the ground,for ¼ sec.cor.,marked ¼ on W.face;and raise a mound of stone,2 ft.base,1½ ft.high,W.of cor.

48.00 Begin more abrupt ascent over rock slide.

80.00 Set a sandstone,20x9x4 ins.,15 ins.in the ground,for cor.of secs.27-28-33 and 34,marked with 1 notch on the S.and 3 notches on the E.edge;and raise a mound of stone,2 ft.base,1½ ft.high,W.of cor.

Pits impracticable.

Land,mountainous.

Soil;rocky,3rd and 4th rate.

No timber.

Mountainous land on 80.00 chs.

SUBDIVISIONS OF T.5 N.,R.4 W.

CHAINS	
	East on a random line bet.secs.27 and 34.
40.00	Set temp.$\frac{1}{4}$ sec.cor.
80.08	Intersect N.and S.line,5 lks.S.of the cor.of secs. 26-27-34 and 35.
	Thence I run
	S.89°58'W.,on a true line bet.secs.27 and 34.
	Descend over mountainous land along the south slope of ridge,over rock slide.
30.00	Head of hollow,course SE.
	Ascend.
35.00	Top of rocky spur projects SE.
	Descend.
40.04	Set a sandstone,26x11x5 ins.,19 ins.in the ground,for $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on N.face;and raise a mound of stone,2 ft.base,1$\frac{1}{2}$ ft.high,N.of cor.
	Pits impracticable.
48.00	Begin ascent,over rock slide.
80.08	The cor.of secs.27-28-33 and 34,
	Land,mountainous.
	Soil;rocky,4th rate.
	No timber.
	Mountainous land on 80.08 chs.

	N.0°02'W.,bet.secs.27 and 28.
	Ascend over rocky land.
9.50	Top of ridge bears NW.and E.
	Descend.
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;and raise a mound of stone,2 ft.base,1$\frac{1}{2}$ ft.high,W.of cor.
	Pits impracticable.
45.00	Bottom of hollow,300 ft.deep,course NE.
	Begin abrupt ascent over rock slide.

SUBDIVISIONS OF T.5 N.,R.4 W.

CHAINS	
80.00	Set a sandstone,20x9x5 ins.,15 ins.in the ground,for cor.of secs.21-22-27 and 28,marked with 2 notches on the S.and 3 notches on the E.edge;and raise a mound of stone 2 ft.base,1½ ft.high,W.of cor.
	Pits impracticable.
	Land,mountainous.
	Soil;rocky,4th rate.
	No timber.
	Mountainous land on 80.00 chs.
	July 20,1904.

	July 21:
	N.89°58'E.on a random line bet.secs.22 and 27.
40.00	Set temp.¼ sec.cor.
80.18	Intersect N.and S.line,5 lks.S.of the cor.of secs. 22-23-26 and 27.
	Thence I run
	S.89°56'W.,on a true line
	Bet.secs.22 and 27.
	Descend over mountainous land along the south slope of ridge.
27.00	Creek,20 lks.wide,8 ins.deep,in bottom of gulch,600 ft. below top of ridge,course SE.
	Ascend.
40.09	Set a sandstone,16x8x5 ins.,11 ins.in the ground,for ¼ sec.cor.,marked ¼ on N.face;and raise a mound of stone 2 ft.base,1½ ft.high,N.of cor.
	Pits impracticable.
60.00	Lake,area about 18 acres,bears N.,7.50 chs.to S.edge.
63.00	Bottom of abrupt ascent bears NW.and and S.
	Begin abrupt ascent over rock slide.
80.18	The cor.of secs.21-22-27 and 28.
	Land,mountainous.
	Soil;rocky,3rd and 4th rate.
	No timber.

SUBDIVISIONS OF T.5 N.,R.4 W.

CHAINS	
	Mountainous land on 80.18 chs.
	N.0°03'W.,bet.secs.21 and 22.
	Descend over mountainous land .
12.00	Bottom of hollow,200 ft.deep,course SE.
	Begin abrupt ascent over rock slide.
40.00	Set a sandstone,15x7x5 ins.,10 ins.in the ground,for $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on W.face;and raise a mound of stone, 2 ft.base,$1\frac{1}{2}$ ft.high,W.of cor.
	Pits impracticable.
74.05	Intersect North Boundary of Uintah Indian Reservation.
	Set a sandstone,24x12x8 ins.,18 ins.in the ground,for closing cor.of secs.21 and 22,marked
	C C U I R with 3 grooves on the S.,
	3 grooves on the E.,and
	U F R on the N.faces;and raise a mound of stone, 2 ft.base,$1\frac{1}{2}$ ft.high,S.of cor.
	Pits impracticable.
	From the closing cor.,the 24 mile cor.,which is a sand stone 10x7x6 ins.,above ground,marked as described by Deputies A.H.and F.M.Brown,bears N.71°30'W.,7.70 chs. dist.
	Land,mountainous.
	Soil;rocky,4th rate.
	No timber.
	Mountainous land on 74.05 chs.
	July 3,1904.
	July 4th:
	N.0°03'W.,bet.secs.32 and 33.
	Descend over rocky land.
6.00	Spring branch.4 lks.wide,2 ins.deep,in bottom of gulch 100 ft.deep,course E .
	Ascend.

CHAINS	
34.50	Top of spur projects SE.
	Descend over rock slide along the east slope of a high mountain.
40.00	Set a sandstone,14x8x5 ins.,9 ins.in the ground,for ¼ sec.cor.,marked ¼ on W.face;and raise a mound of stone,2 ft.base,1½ ft.high,W.of cor.
	Pits impracticable.
73.00	Head of gulch,course SE.
	Begin abrupt ascent over rock slide.
80.00	Set a sandstone,18x12x5 ins.,12 ins.in the ground,for cor.of secs.28-29-32 and 33,marked with 1 notch on the S.and 4 notches on the E.edge;and raise a mound of stone,2 ft.base,1½ ft.high,W.of cor.
	Pits impracticable.
	Land,mountainous.
	Soil:rocky,4th rate.
	No timber.
	Mountainous land on 80.00 chs.

	E.on a random line bet.secs.28 and 33.
40.00	Set temp.¼ sec.cor.
80.20	Intersect N.and S.line,5 lks.N.of the cor.of secs. 27-28-33 and 34.
	Thence I run
	N.89°56'W.,on a true line
	bet.secs.28 and 33.
	Ascend abruptly over huge sandstone boulders and slide rock.
40.10	Set a sandstone,14x9x6 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.
	Pits impracticable.
80.20	The cor.of secs.28-29-32 and 33.
	Land,mountainous.

SUBDIVISIONS OF T.5 N.,R.4 W.

CHAINS	
	Soil;rocky,4th rate.
	No timber.
	Mountainous land on 80.20 chs.

	N.0°03'W.,bet.secs.28 and 29.
	Ascend along the east slope of a high mountain,over rock slide.
20.00	Begin abrupt ascent to top of ridge.
40.00	Set a sandstone,26x10x5 ins.,19 ins.in the ground,for ¼ sec.cor.,marked ¼ on W.face;and rasie a mound of stone,2 ft.base,1½ ft.high,W.of cor.
	Pits impracticable.
	On top of ridge,altitude about 13000 ft.above sea level, bearing N.and SW.
	Thence along top of ridge.
52.00	Leave top of ridge,bearing S.and NW.
	Descend over rock slide.
80.00	Set a sandstone,28x10x4 ins.,21 ins.in the ground,for cor.of secs.20-21-28 and 29,marked with 2 notches on the S.and 4 notches on the E.edge;and raise a mound of stone,2 ft.base,1½ ft.high,W.of cor.
	Pits impracticable.
	Land,mountainous.
	Soil;rocky,4th rate.
	No timber.
	Mountainous land on 80.00 chs.
	July 4 ,1904.

	July 5:
	S.89°58'E.on a random line bet.secs.21 and 28.
40.00	Set temp.¼ sec.cor.
80.32	Intersect N.and S.line,7 lks.S.of the cor.of secs. 21-22-27 and 28.
	Thence I run

CHAINS	
	S.89°59'W.,on a true line bet.secs.21 and 28.
	Ascend abruptly over rock slide.
40.16	Set a sandstone,20x8x8 ins.,15 ins.in the ground,for ¼ sec.cor.,marked ¼ on N.face;and raise a mound of stone,2 ft.base,1½ ft.high,N.of cor.
	Pits impracticable.
80.32	The cor.of secs.20-21-28 and 29.
	Land,mountainous.
	Soil;rocky,4th rate.
	No timber.
	Mountainous land on 80.32 chs.
	N.0°03'W.,bet.secs.20 and 21.
	Descend over slide rock.
2.00	Head of draw,course NE.
	Ascend over slide rock.
21.64	Intersect North Boundary of Uintah Indian Reservation. On ridge. Set a sandstone,18x9x8 ins.,12 ins.in the ground,for closing cor.of secs.20 and 21,marked C C UIR with 3 grooves on the S., 4 grooves on the E.,and U F R on the N.faces;and raise a mound of stone,2 ft. base,1½ ft.high,S.of cor.
	Pits impracticable.
	From the closing cor.,the ½ mile cor.bet.the 25 mile and 26 mile cors.,which is a sandstone,10x8x7 ins. above ground,marked as described by Deputies A.H.and F.M. Brown,bears S.20°W.,7.92 chs.dist.
	Land,mountainous.
	Soil;rocky,4th rate.
	No timber.
	Mountainous land on 21.64 chs.

SUBDIVISIONS OF T.5 N.,R.4 W.

CHAINS	
	From the closing cor.,bet.fract.secs.20 and 21,I offset as follows:
	N.0°03'W.,58.36 chs.,or 80.00 chs.,N.0°03'W.,from the cor.of secs.20-21-28 and 29.
	N.89°59'E.,36.97 chs.to
36.97	Set a sandstone,24x8x8 ins.,18 ins.in the ground for closing cor.of fractional secs.16 and 21,marked
	C C on with 4 grooves on the E.,
	U I R with 3 grooves on the S.,
	U F R on the N.faces;and raise a mound of stone, 2 ft.base,1½ ft.high,E.of cor. - 6or.on ridge.
	Pits impracticable.
	From the closing cor.,the ½ mile cor.,bet.the 24 mile and 25 mile cors.,which is a sandstone,14x6x6 ins.above ground,marked as described by Deputies A.H.and F.M. Brown,bears S.64°W.,1.48 chs.dist.
	Thence I run
	N.89°59'E.,on a true line
	bet.fract.secs.16 and 21.
	Ascend over rook slide along top of ridge.
40.00	Set a sandstone,19x7x5 ins.,12 ins.in the ground,for ¼ sec.cor.,marked ¼ on N.face;and raise amound of stone,2 ft.base,1½ ft.high,N.of cor.
	Pits impracticable.
62.38	Intersect North Boundary of Uintah Indian Reservation.
	Set a sandstone,16x8x6 ins.,11 ins.in the ground,for closing cor.of fract.secs.16 and 21,marked
	C C on W.,
	U I R with 3 grooves on S.,
	3 grooves on E.,and
	U F R on N.faces;and raise a mound of stone,2 ft.base,1½ ft.high,W.of cor.
	Pits impracticable.
	From the closing cor.,the 24 mile cor.,heretofore described bears S.71°30'E.,11.09 chs.dist.

SUBDIVISIONS OF T.5 N.,R.4 W.

CHAINS	
	Land,mountainous.
	Soil;rocky,4th rate.
	No timber.
	Mountainous land on 25.41 chs. July 5,1904.
	July 6,1904. From the standard cor.of secs.31 and 32 on S.bdy.of Tp.,heretofore described,I run
	N.0°04'W.,bet.secs.31 and 32.
	Descend over rock slide,along the east slope of a rocky ridge.
20.00	Ascend abruptly over rock slide.
40.00	Point for ¼ sec.cor.,falls on a sandstone rock in place 3x3x2 ft.above ground;cut a cross (x) at exact cor.point for ¼ sec.cor.,marked ¼ on W.side of cross;and raise a mound of stone,2 ft.base,1½ ft.high,W.of cor.
53.00	Intersect North Boundary of Uintah Indian Reservation. Set a sandstone,28x10x8 ins.,21 ins.in the ground,for closing cor.of fractional secs.31 and 32,marked
	C C U I R with 1 groove on the S.,
	5 grooves on the E.,and
	U F R on the N.faces;and raise a mound of stone,2 ft.base,1½ ft.high,S.of cor.
	Pits impracticable.
	From the closing cor.,the 36 mile cor.on the boundary which is a sandstone,9x7x6 ins.above ground,marked as described by A.H.and F.M.Brown,Deputies,bears S.75°W., 20.53 chs.dist.
	Land,mountainous.
	Soil;rocky,4th rate.
	No timber.
	Mountainous land on 53.00 chs.

SUBDIVISIONS OF T.5 N.,R.4 W.

CHAINS	
	Knowing the line bet.fract.secs.29 and 32,intersects the North Boundary of Uintah Indian Reservation,at west end of the line,I commence at the cor.of secs. 28-29-32 and 33 and run
	WEst on a true line
	bet.secs.29 and 32.
	Ascend abruptly over slide rock.
22.50	Intersect North Boundary of Uintah Indian Reservation.
	Set a sandstone 20x12x5 ins.,15 ins.in the ground,for closing cor.offract.secs.29 and 32,marked
	C C U I R with 5 grooves on E.,
	1 groove on the S.,and
	U F R on the W.faces;and raise a mound of stone,2 ft.base,1½ ft.high,E.of cor. Cor.on ridge.
	Pits impracticable.
	From the closing cor.,the 27 mile cor.on the boundary, which is a sandstone,12x7x6 ins.above ground,marked as described by A.H.and F.M.Brown,Deputies,bears S.22°15' W.,19.85 chs.dist.
	Land,mountainous.
	Soil;rocky,4th rate.
	No timber.
	Mountainous land on 22.50 chs.

	Knowing the line bet.fract.secs.20 and 29,intersects the North Boundary of Uintah Indian Reservation at the west end of the line,I commence at the cor.of secs.20-21-28 and 29,and run
	West on a true line
	bet.secs.20 and 29.
	Ascend abruptly over rock slide.
7.88	Intersect North Boundary of Uintah Indian Reservation,
	Set a sandstone,18x9x5 ins.,12 ins.in the ground,for

SUBDIVISIONS OF T.5 N.,R.4 W.

CHAINS

closing cor.of fracl secs.20 and 29,marked

C C U I R with 5 grooves on the E.,

2 grooves on the S.,and

U F R on W.faces;and raise a mound of stone,

2 ft.base,1½ ft.high,E.of cor. Cor.on ridge.

Pits impracticable.

From the closing cor.,the ½ mile cor.,bet.the 25 mile and 26 mile cors.,heretofore described,bears N.20°E.,15.11 chs.dist.

Land,mountainous.

Soil;rocky,4th rate.

No timber.

Mountainous land on 7.88 chs.

July 6 ,1904.

GENERAL DESCRIPTION.

This fractional township is located on the south and east slope of a high mountain range,forming the North Boundary of the Uintah Indian Reservation,altitude about 13,000 ft.above sea level.

With the exception of numerous mountain creeks and spring branches in the South eastern portion,the township is covered with slide rock,and destitue of vegetation.

Along the streams and low ridges in the south eastern part,a heavy growth of pine is found.

There is no mineral in this fracl.township.

There are no settlers in this frac'l township.

The township is unfit for agricultural or grazing purposes.

Lakes in secs.22 and 33,and bet.secs.20 and 35.

James C Dick

U.S.Deputy Surveyor.

SUBDIVISIONS of T. 5 N., R. 4 W.

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

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by James C. Dick, United States Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the survey of the SUBDIVISIONS OF T.5 N., Rs.3 and 4 W. of the Uintah Special Base and Meridian, Utah, showing the respective capacities in which they acted:

H.H.Bader, *Chainman.*

Robert Orbison, *Chainman.*

Will Castleton, *Moundman.*

Moundman.

John Davis, *Axman.*

Foster W.Walker, *Axman.*

Joseph Harrison, *Flagman.*

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted James C.Dick, United States Deputy Surveyor, in surveying all those parts or portions of the Subdivisions of Tps.5 N., Rs.3 and 4 W. of the Uintah Special Base and meridian, in the State of Utah, which are represented in the foregoing field notes as having been surveyed by 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.

H. H. Bader *Chainman.*

Chainman.

Will Castleton *Moundman.*

Moundman.

John Davis *Axman.*

Foster W Walker *Axman.*

Joseph Harrison *Flagman.*

Subscribed and sworn to before me this Sixth day of July, 1904.

SEAL

James C Dick
US Dep Surveyor

6-161

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, James C. Dick, 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 22nd day of July, 1904, 189 , I have well, faithfully, and truly, in my proper person, and in strict conformity with the instructions furnished by the United States Surv General for Utah, the Manual of Surveying Instructions, and the laws of United States, surveyed all those parts or portions of

Subdivisions of Tp. 5 N., Rs. 3 and 4 W.

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

James C. Dick
United States Deputy Surve

Subscribed by said James C. Dick, and sworn to before me this 22d day of September, 1904

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

SEAL

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, November 9, 1

The foregoing field notes of the survey of the subdivisional lines of Townshi No. 5 North Range No. 4 West of the Uintah Special Base and Meridian Utah,

executed by James C. Dick and Austin K. Tiernan under their contract No. 272, dated July 22, 1903, ~~189~~ , having b 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 Gene

6-151

BLANK

PAGE

BLANK

PAGE

375 9

4—679.

A.

BOOK A-310

FILED
APR 27 1904

L.H.

FIELD NOTES

OF THE SURVEY OF THE

West, North and East Boundaries

of

Township No. 2 North,

Range No. 6 West,

Of the Uintah Special Base and *Meridian,*

in the state of Utah.

AS SURVEYED BY

James F. Trotter, *United States Deputy Surveyor,*

der his Contract No. 273, *dated* July 22, *190*3

rvey commenced September 12, *190*3

rvey completed September 17, *190*3

6—151

West Bdy Sup 6.06 [illegible]
[illegible] " " [illegible]
East " " 5.64 10
" " [illegible] 22.10

BOOK A-310

NAMES AND DUTIES OF ASSISTANTS.

Leith Morrison	Chainman
Jay Morrison	Chainman,
W.I.Rowland	Moundman
John Graham	Axman
J.S.Dull	Axman
M.Brown	Flagman.

6—151

Volume
#
R0310

BOOK A-310

INDEX DIAGRAM.

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

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

Meanders Page.....

PRELIMINARY OATHS OF ASSISTANTS.

WE, Leith Morrison and Jay Morrison do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will lev- chain over even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; we will report the true distances to all notable objects, and the true lengths of all lines that we measuring, to the best of our skill and ability, and in accordance with instructions given us, in the su the west, north, and east boundaries of Township No. 2 North, Range No West of the Uintah Special Base and Meridian, Utah.

Leith Morrison, Chai

Jay Morrison, Ch

Subscribed and sworn to before me this 12th day of Sept. 1903, ~~189~~

SEAL

James F. Sotter
U. S. Deputy Surveyor

WE, I. W. I. Rowland and do solemnly swear that ~~we~~ I will well and truly perform the duties of moundmen in the estab of corners, according to the instructions given ~~us~~ me, to the best of ~~our~~ my skill and ability, in the su the west, north and east boundaries of Township No. 2 North, Range No West of the Uintah Special Base and Meridian, Utah.

W. I. Rowland, Mound

, Mound

Subscribed and sworn to before me this 12th day of Sept. 1903, ~~189~~

SEAL

James F. Sotter
U. S. Deputy Surveyor

WE, John Graham and J. S. Dull 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 the west, north, and east boundaries of Township No. 2 North, Range No West of the Uintah Special Base and Meridian, Utah.

John Graham, Ax

J. S. Dull,

Subscribed and sworn to before me this 12th day of Sept. 1903, ~~189~~

SEAL

James F. Sotter
U. S. Deputy Surveyor

I, M. Brown, 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, i survey of the west, north, and east boundaries of Township No. 2 North, No. 6 West of the Uintah Special Base and Meridian, Utah.

M. Brown, Flag

Subscribed and sworn to before me this 12th day of Sept. 1903, ~~189~~

SEAL

James F. Sotter
U. S. Deputy Surveyor

6—151

WEST BDY.OF T.2 N.,R.6 W.

CHAINS

Survey commenced,September 12th.,1903,
and executed with a W.and L.E.Gurley light mountain
transit,No.- ,with no solar attachment.
The horizontal limb is provided with two double
verniers placed opposite to each other,reading to
single minutes of arc.
The instrument was examined,tested on the true meridian
at Salt Lake City,found correct,and was approved by
the surveyor general for Utah,August 21,1903.
I examine the adjustments of the transit,and correct
the level and collimation errors,then to determine
a true meridian by an observation on Polaris,
I proceed as follows:
I begin at the re-established cor.of Tps.1 and 2 N.,
Rs.6 and 7 W.,which is a trachyte stone,12x10x5 ins.above
ground,marked and witnessed as described under Contract
No.266,Harvey D.Heist,D.S. in approximate
latitude 40° 32'N.,longitude 110° 38'W.
At 8h. 06m.,p.m.,l.m.t.,I observe Polaris at
eastern elongation,in accordance with the Manual of
Instructions,and mark a point in the line thus
determined,by a tack in a wooden peg,driven in the
ground,5.00 chs.N.of the cor.

September 12,1903.

September 13: At 6 a.m.,l.m.t.,I lay off the azimuth
of Polaris,1° 35'to the west,and mark the meridian
thus determined,by cutting a cross on a stone,firmly set
in the ground,west of the point established last
evening.
The magnetic bearing of the true meridian,
at 7 a.m.,is 16° 47'W.,the angle thus determined
gives the magnetic declination 16° 47'E.

WEST BDY.OF T.2 N.,R.6 W.

CHAINS	
	From the township cor.already described
	I run
	North,bet.secs.31 and 36.
	Over rocky land,ascend through heavy,fire killed pine timber.
2.30	Top of ridge,bears N.E.and S.W.
	Begin abrupt descent over broken sandstone ledges, bearing E.and W.
	Enter scattering pine timber.
21.00	Leave ledges,bear E.and W.
	Enter heavy pine and aspen timber,bear E.and W.
40.00	Set a trachyte stone,20x14x4 ins.,15 ins.in the ground, for ¼ sec.cor.,marked ¼ on W.face,
	from which
	A pine,5 ins.diam.,bears N.76°E.,9 lks.dist., marked ¼ S.31 B T.
	A pine,4 ins.diam.,bears N.29°W.,14 lks.dist., marked ¼ S 36 B T.
63.60	Rock Creek,50 lks.wide,15 ins.deep,in bottom of canon 3000 ft.deep,
	course S.E.
	Begin abrupt ascent.
66.50	Leave timber,bears E.and W.
	Enter dense artemisia.
80.00	Set a trachyte stone,20x8x6 ins.,15 ins.in the ground,for cor.of secs. 25-30-31 and 36,marked with 1 notch on the S.and 5 notches on the N.edges,
	from which
	A lone pine 36 ins.diam.,bears S.41°E.,2.64 chs.dist., marked T.2 N R 6 W S 31 B T.

West Bdy. o W

No other trees within limits;and raise a mound of stone, 3 ft.base,1½ ft.high W.of cor.

Pits impracticable.

Land mountainous.

Soil rocky,third rate.

Timber aspen and pine.

Mountainous or heavily timbered land on 80.00 chs.

North bet.secs.25 and 30.

Over rocky land ascend abruptly through dense artemisia and oak brush.

36.00 Enter scattering pine timber.

40.00 Set a trachyte stone,18x14x4 ins.,12 ins.in the ground, for ¼ sec.cor.,marked ¼ on W.face;from which

A pine,8 ins.diam.,bears S.15°E.,52 lks.dist.,marked ¼ S 30 B T.

A cedar,7 ins.diam.,bears S.42°W.,32 lks.dist.,marked ¼ S 25 B T.

58.00 Enter heavy pine and aspen timber,bearing E.and W.

80.00 Set a trachyte stone,18x12x6 ins.,12 ins.in the ground, for cor.of secs.19-24-25 and 30 marked with 2 notches on the S.and 4 notches on the N.edge;from which

A pine,12 ins.diam.,bears N.34°E.,37 lks.dist.,marked T 2 N R 6 W S 19 B T.

An aspen,3 ins.diam.,bears S.18°E.,11 lks.dist.,marked T 2 N R 6 W S 30 B T.

A pine,8 ins.diam.,bears S.55°W,34 lks.dist.,marked T 2 N R 7 W S 25 B T.

A pine,15 ins.diam.,bears N.8°W.,37 lks.dist.,marked T 2 N R 7 W S 24 B T.

This cor.is set 700 ft.above cor.of sec.25-30-31 and 36.

Land mountainous. Soil rocky,third rate.

Timber pine and aspen.

Mountainous or heavily timbered land or dense undergrowth on 80.00 chs.

West Bdy. of Tp. 2 N. R.6 W.

Chains.	
	[illegible]

North bet.secs.19 and 24.

	Over rocky land ascend abruptly through heavy pine and aspen timber,along steep west slope.
40.00	Set a trachyte stone,24x6x4 ins.,18 ins.in the ground, for ¼ sec.cor.,marked ¼ on W.face;from which
	An aspen,6 ins.diam.,bears S,51°E.,11 lks.dist.,marked ¼ S 19 B T.
	An aspen,5 ins.diam.,bears S.11°W.,39 lks.dist.,marked ¼ S 24 B T.
65.00	Top of spur,800 ft.above sec.cor.,projects W.
	Begin abrupt descent.
79.00	Bottom of ravine,200 ft.deep,course S.W.
	Begin abrupt ascent.
80.00	Set a trachyte stone,16x8x8 ins.,11 ins.in the ground, for cor.of secs.13-18-19 and 24,marked with 3 notches on the N.and S.edges;from which
	An aspen,7 ins.diam.,bears N.68°E.,20 lks.dist.,marked T 2 N R 6 W S 18 B T.
	An aspen,7 ins.diam.,bears S.88°E.,8 lks.dist.,marked T 2 N R 6 W S 19 B T.
	An aspen,6 ins.diam.,bears S.47°W.,7 lks.dist.,marked T 2 N R 7 W S 24 B T.
	An aspen,5 ins.diam.,bears N.52°W.,35 lks.dist.,marked T 2 N R 7 W S 13 B T.
	This cor.is set 700 ft.above cor.of secs.19-24-25 and 30
	Land mountainous.
	Soil rocky third rate.
	Timber pine and aspen.
	Mountainous and heavily timbered land on 80.00 chs.

West Bdy. of T. 2 N., R. 6 W.

Chains.	
	North bet.secs.13 and 18.
	Ascend abruptly over rocky land through heavy aspen and pine timber.
33.00	Top of spur,700 ft.above sec.cor.,projects W.
	Begin abrupt descent.
38.50	Bottom of canon,250 ft.deep,course S.W.
	Begin abrupt ascent.
40.00	Set a trachyte stone,30x10x10 ins.,15 ins.in the ground, for ¼ sec.cor.,marked ¼ on W.face;from which
	A pine,15 ins.diam.,bears N.67°E.,12 lks.dist.,marked ¼ S 18 B T.
	A pine,6 ins.diam.,bears S.61°W.,10 lks.dist.,marked ¼ S 13 B T.
75.00	Leave timber,bearing N.W.and S.E.
80.00	Set a trachyte stone,18x12x8 ins.,12 ins.in the ground, for cor.of secs.7-12-13 and 18,marked with 4 notches on the S.and 2 notches on the N.edge;from which
	A pine,5 ins.diam.,bears S.32°W.,84 lks.dist.,marked T 2 N R 7 W S 13 B T.
	A pine,6 ins.diam.,bears N.76°W.,60 lks.dist.,marked T 2 N R 7 W S 12 B T.
	No other trees within limits;and raise a mound of stone, 3 ft.base,1½ ft.high,W.of cor.
	Pits impracticable.
	This cor.is set 700 ft.above bottom of canon.
	Land mountainous.
	Soil rocky third rate.
	Timber aspen and pine.
	Mountainous or heavily timbered land on 80.00 chs.
	Sept.13th,1903.

West Bdy. of T. 2 N., R. 6 W.

Chains.	
	Sept.14,1903. North bet.secs.7 and 12.
	Ascend abruptly over trachyte boulders.
2.75	Enter heavy pine timber,bearing N.E.and S.W.
27.00	Leave timber,bearing N.W.and S.E.
40.00	Point for ¼ sec.cor.falls on trachyte boulder,3x3x3 ft. above ground.
	Cut a cross (+) at exact point for ¼ sec.cor.,marked ¼ on W.side of cross;and raise a mound of stone,2 ft. base,1½ ft.high,W.of cor.
	Pits impracticable.
49.00	Top of divide,West Fork of Lake Fork and Rock Creek Canons 800 ft.above sec.cor.,bears N.W. and S.E.
80.00	Point for sec.cor.falls on a trachyte boulder,12x7x3 ft. above ground;cut a cross at exact point for cor.of secs. 1-6-7-12,marked with 5 grooves on the S.and 1 groove on the N.side of cross.;and raise a mound of stone, 2 ft.base,1½ ft.high W.of cor.
	Pits impracticable.
	Land mountainous.
	Soil rocky.third rate.
	Timber pine.
	Mountainous or heavily timbered land on 80.00 chs.

North bet.secs.1 and 6.

	Descend abruptly over trachyte boulders.
12.65	Enter heavy pine timber,bearing E.and W.
27.15	To south side of lake,bearing N.W.and S.E.
	Set a trachyte stone,20x10x8 ins.,15 ins.in the ground, for witness cor.to ¼ sec.cor.,marked W C ¼ on W.face;from which
	A pine,5 ins.diam.,bears S.24°E.,28 lks.dist.,marked

WEST BDY.OF T.2 N.,R.6 W.

CHAINS	
	W.C.¼ S.6.B.T.
	A pine 10 ins.diam.,bears S.76°W.,52 lks.dist.,marked W.C.¼ S.1 B.T.
	NOTE: At this point I encounter a shallow lake about 60.00 chs.long N.and S.and about 25.00 chs.wide E.and W, As all indications seem to show that the lake is not a permanent one,I do not meander the lake.
	To pass the lake I offset west 15.00 chs.
	Thence I run North to
40.00	Point for ¼ sec.cor.falls in the lake and cannot be set.
84.65	Offset east 15.00 chs.
	North shore of lake bears N.E.and S.W.
	Ascend.
86.90	Set a sandstone 24x12x6 ins.,18 ins.in the ground for cor.of Tps.2 and 3 N.,Rs.6 and 7 W.,marked
	3 N.on N.E.
	6 W.on S.E.
	2 N.on S.W.,and
	7 W.on N.W.face,with 6 notches on each edge,from which
	A pine,7 ins.in diam.,bears N.50°E.,15 lks.dist.,marked T.3 N. R.6 W. S.31 B.T.
	A pine 18 ins.diam.,bears S.45°30'E.,30 lks.dist., marked T.2 N. R.6 W. S.6 B.T.
	A pine 30 ins.diam.,bears N.60°W.,73 lks.dist.,marked T.2 N. R.7 W. S.1 B.T.
	No other trees within limits,and raise a mound of stone 3 ft.base,1½ ft.high,S.of cor.
	Pits impracticable.
	Land mountainous.
	Soil rocky,3rd.rate.
	Timber pine.
	Mountainous land or heavily timbered on 86.90 chs.

NORTH BDY.OF T.2 N.,R.6 W.

CHAINS	
	I begin,
	at the cor.of Tps.2 and 3 N.,Rs.5 and 6 W.,which is a trachyte stone 15x15x12 ins.above ground marked and witnessed as described under contract No.272 by deputies Nick and Tiernan.
	Thence I run
	West on a random line along the north Bdy.of T.2 N.,R.6 W.,setting temp.¼ sec.and sec.cors.at intervals of 40.00 chs. and at 484.96 chs.intersect west Bdy.of Tp.43 1kn.S.of the cor.of Tps.2 and 3 N.,Rs.6 and 7 W.,heretofore described.
	The falling answers to a correction of 0°03'or 7 lks.N.per mile,counting from the N.E.cor.of the Tp.therefore I run
	S.89°57'E.bet.secs.6 and 31.
	Over rocky land descend through heavy pine timber.
8.30	Test shore of lake,bears N.E.and S.W.
	To pass the lake I offset N.3.00 chs.
	Thence I run S.89° 57'E.to
15.50	Offset south 3.00.chs.
	East side of lake bears N.W.and S.E.
	Ascend over rocky land through heavy pine timber.
44.96	Set a sandstone 18x10x6 ins.,12 ins.in the ground for ¼ sec.cor.,marked ¼ on N.face,from which
	A pine 18 ins.diam.,bears south,21 lks.dist.,marked ¼ S.6 B.T.
	A pine 8 ins.diam.,bears N.65°W.,44 lks.dist.,marked ¼ S.31 B.T.
71.50	Top of ridge bears N.W.and S.E.
	Descend.
84.00	Set a trachyte stone 24x10x10 ins.,18 ins.in the ground for cor.of secs.5-6-31-32,marked with 1 notch on the W. and 1 notches on the N.edges,from which
	A pine 24 ins.diam.,bears N.55°E.,8 lks.dist.,marked T.2 N.,R.6 W. S.32 B.T.
	A pine 15 ins.diam.,bears S.35°E.,18 lks.dist.,marked T.3 N. R.6 W. S.5 B.T.

NORTH BDY.OF T.2 N.,R.6W.

CHAINS

A pine 30 ins.diam.,bears S.52°W.,35 lks.dist.,marked T.2 N. R.6 W. S.6 B.T.

A pine 15 ins.diam.,bears N.21°W.,9 lks.dist.,marked T.3 N. R.6 W. S.31 B.T.

Land mountainous.

Soil rocky 3rd.rate.

Timber,pine.

Mountainous land and heavily timbered on 84.96 chs.

September 14,1903.

September 15,1903.

S.89°57'E.bet.secs.5 and 32.

Over rocky land descend through heavy pine timber.

13.10 Spring branch 2 lks.wide in bottom of hollow 100 ft. deep,course S.

Ascend.

35.00 Top of ridge bears N.E. and S.W.

Descend over broken land.

40.00 Set a trachyte stone 18x12x8 ins.,12 ins.in the ground for ¼ sec.cor.,marked ¼ on N.face,from which

A pine 10 ins.diam.,bears N.47°E.,16 lks.dist.,marked ¼ S 32 B.T.

A pine 15 ins.diam.,bears S.84°W.,27 lks.dist.,marked ¼ S.5 B.T.

80.00 Set a trachyte stone 20x10x9 ins.,15 ins.in the ground for cor.of secs.4-5-32 and 33,marked with 2 notches on the W. and 4 notches on E.edges,from which

A pine 15 ins.diam.,bears N.56° E.,56 lks.dist.,marked T.3 N. R.6 W S.33 B.T.

A pine 15 ins.diam.,bears S.35°E.,41 lks.dist.,marked T.2 N. R 6 W S 4 B T

A pine 12 ins.diam.,bears S.25°W.,11 lks.dist.,marked

North Bdy. of Tp. 2 N. R. 6 W.

Chains.	
	T 2 N R 6 W S 5 B T.
	A pine,6 ins.diam.,bears N.74°W.,27 lks.dist.,marked T 3 N R 6 W S 32 B T.
	Land mountainous.
	Soil rocky third rate.
	Timber heavy pine.
	Mountainous and heavily timbered land on 80.00 chs.
	[illegible]
	S.89°57'E.bet. secs.4 and 33.
	Over rocky and broken land descend through heavy pine timber.
18.00	Bottom of hollow,100 ft.deep,course S. Ascend.
23.50	Spring branch,2 lks.wide,course S.
30.50	Top of ridge bears N.and S.
40.00	Set a sandstone,24x12x6 ins.,18 ins.in the ground, for ¼ sec.cor.,marked ¼ on N.face;from which
	A pine,7 ins.diam.,bears N.45°W.,6 lks.dist.,marked ¼ S 33 B T.
	A pine,15 ins.diam.,bears S.34°W.,20 lks.dist.,marked ¼ S 4 B T.
42.00	Bottom of hollow,100 ft.deep,course S.
	Ascend.
71.00	Begin abrupt ascent bearing N.W.and S.E.
80.00	Set a trachyte stone,18x10x6 ins.,12 ins.in the ground, for cor.of secs.3-4-33 and 34,marked with 3 notches on the E.and W.edges;from which
	A pine,6 ins.diam.,bears N.9°E.,9 lks.dist.,marked T 3 N R 6 W S 34 B T.
	A pine,8 ins.diam.,bears S.86°E.,6 lks.dist.,marked T 2 N R 6 W S 3 B T.

North Bdy. of T. 3 N., R. 6 W.

Chains.	
	A pine,8 ins.diam.,bears S.8°W.,4 lks.dist.,marked T 3 N R 6 W S 4 B T.
	A pine,15 ins.diam.,bears N.72°W.,16 lks.dist.,marked T 3 N R 6 W S 33 B T.
	Land mountainous.
	Soil rocky third rate.
	Timber pine,
	Mountainous and heavily timbered land on 80.00 chs.
	S.89°57'E.bet.secs.3 and 34.
	Ascend abruptly over rocky land through heavy pine timber.
33.00	Top of ridge bears N.W.and S.E.
	Begin abrupt descent.
40.00	Set a trachyte stone,18x14x4 ins.,12 ins.in the ground for ¼ sec.cor.,marked ¼ on N.face;from which
	A pine,15 ins.diam.,bears N.60°W.,37 lks.dist.,marked ¼ S 34 B T.
	A pine,5 ins.diam.,bears S.54°E.,12 lks.dist.,marked ¼ S 3 B T.
59.50	Bottom of ravine,400 ft.deep,course N.E.
	Begin abrupt ascent.
79.00	Top of spur projects N.E.
	Begin abrupt descent.
80.00	Set a trachyte stone,15x10x5 ins.,10 ins.in the ground, for cor.of secs.2-3-34 and 35,marked with 4 notches on the W.and 2 notches on the E.edge;from which
	A pine,8 ins.diam.,bears N.36°E.,71 lks.dist.,marked T 3 N R 6 W S 35 B T.
	A pine,8 ins.diam.,bears S.14°E.,47 lks.dist.,marked T 2 N R 6 W S 2 B T.
	A pine,10 ins.diam.,bears S.34°W.,34 lks.dist.,marked T 2 N R 6 W S 3 B T.
	A pine,12 ins.diam.,bears N.50°W.,10 lks.dist.,marked T 3 N R 6 W S 34 B T.
	Land mountainous.

North Bdy. of T. 3 N., R. 6 W.

Chains.

Soil, rocky 3rd. rate.

Timber, pine.

Mountainous land and heavy timber on 80.00 chs.

S.89°57'E. bet. secs. 3 and 35.

Descend abruptly over rocky land through heavy aspen and pine timber.

36.00 Leave heavy timber, and enter dense willow brush.

40.00 Set a sandstone, 18x8x8 ins., 13 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; and raise a mound of stone, 3 ft. base, $1\frac{1}{2}$ ft. high N. of cor.

Pits impracticable.

73.00 West Fork of Lake Fork Creek, 50 lks. wide, 10 ins. deep, in bottom of canon, 3000 ft. deep, course S.E.

79.00 Leave willow brush.

Enter heavy aspen and pine timber, bearing N.W. and S.E.

80.00 Set a sandstone, 18x10x6 ins., 13 ins. in the ground, for cor. of secs. 1-2-35 and 36, marked with 5 notches on the W. and 1 notch on the E. edge, from which

An aspen, 6 ins. diam., bears N.61°E., 29 lks. dist., marked T 3 N R 6 W S 36 B T.

A pine, 10 ins. diam., bears S.82°E., 48 lks. dist., marked T 3 N R 6 W S 1 B T.

A pine, 10 ins. diam., bears S.54°W., 37 lks. dist., marked T 3 N R 6 W S 2 B T.

An aspen, 8 ins. diam., bears N.50°W., 21 lks. dist., marked T 3 N R 6 W S 35 B T.

Land mountainous.

Soil rocky third rate.

Timber aspen and pine.

Mountainous or heavily timbered land on 80.00 chs.

North Bdy. of T. 2 N., R. 6 W.

Chains.	
	S.89°57'E.bet.secs.1 and 36.
	Ascend through heavy aspen and pine timber.
6.00	Begin abrupt ascent over trachyte boulders,bearing N.W.and S.E.
	Leave heavy timber,and enter scattering aspen and pine timber.
40.00	Point for ¼ sec.cor.falls on a trachyte boulder,4x3x2 ft.above ground;cut (+)cross at exact point for ¼ sec. cor.,marked ¼ on N.side of cross;and raise a mound of stone 2 ft.base,1½ ft.high N.of cor.
	Pits impracticable.
80.00	The cor.of Tps.2 and 3 N.,Rs.5 and 6 W.,heretofore described.
	Land mountainous.
	Soil rocky third rate.
	Timber aspen and pine.
	Mountainous or heavily timbered land on 80.00 chs.
	Sept.15th,1903.

EAST BDY.OF T.2 N.,R.6 W.

Sept.15: The East bdy.of this township was run as the west bdy.of T.2 N.,R.5 W.,and no cors.were set thereon for this township,I therefore proceed to survey the east bdy.setting cors.for T.2 N.,R.6 W.,only,as follows:

At 7h 54m.,p.m.,l.m.t.,I observe Polaris at eastern elongation,in accordance with the Manual of Instructions, and mark the meridian thus determined,by a tack in a wooden peg,set in the ground 5.00 chs.N.of the re-established cor.of Tps.1 and 2,N.,Rs.5 and 6 W.,marked and witnessed as described by Harvey D.Heist D.S.,under Contract No.266, in approximate latitude 40° 32'N.,longitude 110° 31'35"W.

Sept.15,1903.

EAST BDY.OF T.2 N.,R.6 W.

CHAINS	
	Sept.16: At 7 a.m.,I lay off the azimuth of Polaris,1°35' to the west,and mark the meridian thus determined,by a cross on a stone,firmly set in the ground,west of the point established last evening.
	The magnetic bearing of the true meridian at 7 a.m.,is 16°44',the angle thus determined gives the magnetic declination 16°44'E.
	From the township cor.already described,I run North,along the E.Bdy.of sec.36.
	Over rocky land,descend through heavy pine timber.
40.00	Set a trachyte stone,12x12x6 ins.,8 ins.in the ground, for ¼ sec.cor.for sec.36;marked ¼ on W.face,from which
	An aspen 5 ins.diam.,bears N.83°W.,25 lks.dist., marked ¼ S 36 B T.
	An aspen,4 ins.diam.,bears S.57°W.,23 lks.dist., marked ¼ S 36 B.T.
44.00	Bottom of ravine,400 ft.deep,course E.
	Begin abrupt descent.
46.90	The ¼ sec.cor.for sec.31,T.2 N.,R.5 W.,which is a trachyte stone,18x5x4 ins.above ground,marked and witnessed as described by deputies Dick and Tiernan,under Contract No. 272.
60.00	Top of ridge,bears E.and W.
	Begin abrupt descent.
66.00	Leave heavy pine timber,bears E.and W.
	Enter dense young aspen and pine timber and dead and fallen timber.
79.75	Bottom of ravine,300 ft.deep,course S.E.
	Begin abrupt ascent.
80.00	Set a trachyte stone 18x8x4 ins.,12 ins.in the ground, for cor.of secs.25 and 36,marked with 1 notch on S.and 5 notches on N.edges,from which
	A pine,3 ins.diam.,bears S.29°W.,14 lks.dist., marked T.2 N R 6 W S 36 B T.
	An aspen 5 ins.diam.,bears N.43°W.,28 lks.dist.,

EAST BDY.OF T.2 N.,R.6 W.

CHAINS	
	T 2 N R 6 W S 25 B T.
	Land mountainous.
	Soil,rocky 3rd.rate.
	Timber,aspen and pine.
	Mountainous land and heavily timbered on 80.00 chs.

	North,along E.bdy.of sec.25.
	Ascend abruptly through dense young aspen and pine timber, and dead and fallen timber.
6.90	The cor.of secs.30 and 31,T.2 N.,R.5 W.,which is a trachyte stone 10x10x5 ins.above ground,marked and witnessed as described under Contract No.272,by deputies Dick and Tiernan.
8.90	Top of spur,projects E.
	Begin abrupt descent.
40.00	Bottom of hollow,100 ft.deep,course N.E.
	Set a trachyte stone 16x9x6 ins.,11 ins.in the ground, for ¼ sec.cor.for sec.25,marked ¼ on W.face,from which
	An aspen 5 ins.diam.,bears N.58°W.,24 lks.dist., marked ¼ S 25 B T.
	A pine 6 ins.diam.,bears S.43°W.,19 lks.dist., marked ¼ S 25 B T.
	Ascend.
46.90	The ¼ sec.cor.for sec.30,T.2 N.,R.5 W.,which is a trachyte stone,9x6x5 ins. above ground,marked and witnessed as described under Contract No.272,by deputies Dick and Tiernan.
50.90	Top of spur,projects S.E.
	Descend.
56.40	Bottom of hollow,100 ft.deep,course S.E.
	Ascend.
60.65	Top of ridge,bears N.W.and S.E.
	Beginabrupt descent.
80.00	Set a trachyte stone 18x10x10 ins.,13 ins.in the ground, for cor.of secs.24 and 25,marked with 2 notches on S.and

EAST BDY.OF T.2 N.,R.6.W..

CHAINS	
	4 notches on N.edges,from which
	A pine 6 ins.diam.,bears S.30°W.,90 lks.dist.,
	marked T 2 N R 6 W S 25 B T.
	A pine 5 ins.diam.,bears N.31° W.,31 lks.dist.,
	marked T 2 N R 6 W S 24 B T.
	Land mountainous.
	Soil,rocky 3rd.rate.
	Timber,aspen and pine.
	Mountainous land or heavily timbered on 80.00 chs.

	North,along the E.bdy.of sec.24.
	Over rocky land,descend through heavy aspen and pine timber.
6.90	The cor.of secs.19 and 30,T.2 N.,R.5 W.,which is a trachyte stone 10x10x6 ins.above ground,marked and witnessed as described under Contract No.272,by deputies Dick and Tiernan.
30.90	Bottom of hollow,100 ft.deep,course E.
	Ascend.
40.00	Set a trachyte stone 20x8x5 ins.,15 ins.in the ground, for ¼ sec.cor.for sec.24,marked ¼ on W.face, from which
	An aspen,3 ins.diam.,bears S.43°W.,16 lks.dist. marked ¼ S 24 B T.
	An aspen,3 ins.diam.,bears N.45°W.,10 lks.dist., marked ¼ S 24 B T.
46.90	Top of ridge,bears E.and W.
	The ¼ sec.cor.for sec.19,T.2 N.,R.5 W.,which is a trachyte stone 8x6x6 ins.above the ground,marked and witnessed as described under Contract No.272,bydeputies Dick and Tiernan.
80.00	Set a sandstone 16x12x10 ins.,11 ins.in the ground,for cor.of secs.13 and 24,marked with 3 notches on N.and S. edges,from which
	An aspen 3 ins.diam.,bears S.43°W.,23 lks.dist.,
	marked T.2 N R 6 W S 24 B T.

EAST BDY.OF T.2 N.,R.6 W.

CHAINS	
	An aspen 3 ins.diam.,bears N.62°W.,65 lks.dist., marked T.2 N.,R 6 W S 13 B T.
	This cor.is set 500 ft.below the cor.of sec.24 and 25.
	Land,mountainous.
	Soil,rocky 3rd,rate.
	Timber,aspen and pine.
	Mountainous land and heavily timbered,on 80,00 chs.
	September 16,1903.

	Sept.17
	North,along the E.bdy.of sec.13.
	Descend through dense young aspen and pine timber and dead and fallen timber.
6.90	The cor.of secs.18 and 19,T.2 N.,R.5 W.,which is a trachyte stone,12x 5x5 ins.,above ground,marked and witnessed as described under Contract No.272,by deputies Dick and Tiernan.
28.40	Leave timber,bears E.and W.
	Enter dense artemisia in bottom of canon,bears E.and W.
40.00	Set a trachyte stone,20x8x5 ins.,15 ins.in the ground, for $\frac{1}{4}$ sec.cor.for sec.13,marked $\frac{1}{4}$ on W.face,and raise a mound of stone,3 ft.base,$1\frac{1}{2}$ ft.high,W.of cor.
	Pits impracticable.
46.90	The $\frac{1}{4}$ sec.cor.for sec.18,T.2 N.,R.6 W.,which is a trachyte stone 10x6x6 ins.above ground,marked as described under Contract No.272,by deputies Dick and Tiernan.
61.30	The meander cor.to fractional secs.13 and 18,which is a trachyte stone 12x4x5 ins.above ground,marked and witnessed as described under Contract No.272,by deputies Dick and Tiernan.
	South shore of lake,bears E.and W.
	Point for triangulation.
	To determine the dist across the lake,I set a flag on line on north shore:then measure a base,west,20.00 chs.to

CHAINS	
	a point from which the flag bears N.41°15'E.;from the flag the west end of the base bears S.41°15'W.;therefore the dist.is base X tan.48°45',or 20.00 X 1.1402 = 22.80 chs. which added to 61.30 makes
	84.10 to north shore of lake,
80.00	Point for cor.of secs.12 and 13 falls in lake and cannot be set.
62.50 / 18.70	Land mountainous.
	Soil,stony 3rd.rate.
	Timber,aspen and pine.
	Mountainous land,heavily timbered or dense undergrowth on 61.30 chs.

	North along the E.bdy.of sec.12.
	From the meander cor.to fracl.secs.12 and 18,which is a trachyte stone 10x10x9 ins.above ground,marked and witnessed as described under Contract No.272,by deputies Dick and Tiernan,set 4.10 chs.N.of the point for cor.of secs.12 and 13.
	I run with continuous measurement.
	Over rocky land,ascend along shore of lake,through heavy pine timber.
6.90	The cor.of secs.7 and 18,T.2 N.,R.5 W.,which is a trachyte stone,12x6x4 ins.above ground,marked and witnessed as described under Contract No.272,by deputies Dick and Tiernan.
	Begin ascent along steep,broken,west slope.
40.00	Set a trachyte stone 24x8x8 ins.,18 ins.in the ground, for ¼ sec.cor.for sec.12,marked ¼ on W.face,from which
	An aspen 4 ins.diam.,bears S.72°W.,26 lks.dist., marked ¼ S.12 B T.
	A cedar 10 ins.diam.,bears N.80°W.,42 lks.dist.,marked ¼ S 12 B T.
46.90	The ¼ sec.cor.for sec.7,T.2 N.,R.5 W.,which is a trachyte stone,15x12x6 ins.above ground,marked and witnessed as

EAST BDY.OF T.2 N.,R.6 W.

CHAINS	
	described under Contract No.272,by deputies Dick and Tiernan.
80.00	Set a trachyte stone,15x10x10 ins.,10 ins.in the ground, for cor.of secs.1 and 12,marked with 5 notches on S.and 1 notch on N.edges,from which
	A pine 4 ins.diam.,bears S.47°W.,30 lks.dist.,marked T 2 N R 6 W S 12 B T.
	A pine 6 ins.diam.,bears N.59°W.,1.19 chs.dist.,marked T 2 N R 6 W S 1 B T.
	Land mountainous.
	Soil,rocky,4th.rate.
	Timber,pine.
	Mountainous land and heavily timbered on 75.90 chs.

	North,along E.bdy.of sec.1.
	Over rocky land,ascend abruptly through heavy pine timber along steep,broken west slope.
4.90	Top of rocky spur projects S.W.
	Descend.
6.90	The cor.of secs.6 and 7,T.2 N.,R.5 W.,which is a trachyte stone,12x4x5 ins.above ground,marked and witnessed as described under Contract No.272,by deputies Dick and Tiernan.
7.40	Bottom of hollow,100 ft.deep,course S.W.
	Begin abrupt ascent.
40.00	Set a trachyte stone,24x18x12 ins.,18 ins.in the ground, for ¼ sec.cor.for sec.1,marked ¼ on W.face,and raise a mound of stone,2 ft.base,1½ ft.high,W.of cor.
	Pits impracticable.
	This cor.is set on a slide formed by trachyte boulders.
46.90	The ¼ sec.cor.for sec.6,T.2 N.,R.5 W.,which is a trachyte stone,12x6x6 ins.above ground,marked and witnessed as described under Contract No.272,by deputies Dick and Tiernan.

EAST BDY. OF T.2 N., R.6 W.

CHAINS.

86.90 The cor. of Tps. 2 and 3 N., Rs. 5 and 6 W., heretofore described

Land, mountainous.

Soil, rocky, 4th. rate.

Timber, pine.

Mountainous land and heavily timbered on 86,90 chs.

September 17, 1903.

For general description, see subdivisions of T.2 N., R.6 W.

BOUNDARIES OF T.2 N., R.6 W.

Latitudes, departures and closing errors.

Line Designated	True Bearing	Distance	N.	S.	E.	W.
W. Bdy. of T.2 N., R.6 W.	North	486.90	486.90			
N. Bdy. of T.2 N., R.6 W.	S.89°57'E.	484.96		0.42	484.96	
E. Bdy. of T.2 N., R.6 W.	South	486.90		486.90		
N. Bdy. of T.1 N., R.6 W.	N.89°55'W.	486.10	0.70			486.
Convergency					.62	
Totals			487.60	487.32	485.58	486.
			487.32			485.
	Error in lat.		0.28	Error in dep.		0.

James F. Hotter

U.S. DEPUTY SURVEYOR.

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by James F.Trotter, 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 the west,north east boundaries of Township No.2 North,Range No.6 West of the Uin- Special Base and Meridian,Utah, ving the respective capacities in which they acted:

Leith Morrison, *Chainman.*
Jay Morrison, *Chainman.*
W.I.Rowland, *Moundman.*
, *Moundman.*
John Graham, *Axman.*
J.S.Dull, *Axman.*
M.Brown, *Flagman.*

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted James F.Trotter, United States Deputy Surveyor, in surveying all se parts or portions of the west,north,and east boundaries of Township No.2 th,Range No.6 West of the Uintah cial Base and meridian, State of Utah, which are represented he foregoing field notes as having been surveyed by him and under his direction; and that said survey been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the her monuments established, according to the instructions furnished by the United States Surveyor eral for Utah.

Leith Morrison, *Chainman.*
Jay Morrison, *Chainman.*
W.I.Rowland, *Moundman.*
, *Moundman.*
John Graham, *Axman.*
J.S.Dull, *Axman.*
M.Brown, *Flagman.*

scribed and sworn to before me this 17th day of Sept. 1903, 189

SEAL

James F. Trotter
U.S. Deputy Surveyor

-151

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, James F. Trotter United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from Edward H. Anderson United States Surveyor General for the District of Utah, bearing date of the 22nd day of July, 1903, ~~XX~~, 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 west, north and east boundaries of Township No. 2 North, Range No. 6 West

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

James F. Trotter
United States Deputy Surveyor

Subscribed by said James F. Trotter, and sworn to before me this 10th day of June 1904

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

SEAL

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, June 30, 1894

The foregoing field notes of the survey of the West North & East Boundaries Township 2 North Range 6 West of the Uintah Special Base & Meridian, Utah

executed by James F. Trotter under his contract No. 272, dated July 22 1903, ~~189~~, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Edward H. Anderson
United States Surveyor General

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

United States Surveyor General

BLANK

PAGE

BLANK

PAGE

03. 2.9.5

4—679.

B.

BOOK A-310

FILED

APR 27 1904

L. H.

FIELD NOTES

OF THE SURVEY OF THE

SUBDIVISIONS

of

Township No. 2 North,

Range No. 6 West

Of the Uintah Special Base and *Meridian,*

in the state of Utah.

AS SURVEYED BY

James F. Trotter, *United States Deputy Surveyor,*

Under his Contract No. 273, *dated* July 22, *1903*

Survey commenced October 4, *1903*

Survey completed October 30, *1903*

6—151

58-77-11

0-77-70

Gain [illegible] 2.25-90

" [illegible] 22.70

BOOK A-310

NAMES AND DUTIES OF ASSISTANTS.

Leith Morrison	Chainman.
Jay Morrison	Chainman.
W.I.Rowland	Moundman.
John Graham	Axman.
J.S.Dull	Axman.
M.Brown	Flagman.

BOOK A-310

INDEX DIAGRAM.

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

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

Meanders Page.....

PRELIMINARY OATHS OF ASSISTANTS.

WE, Leith Morrison and Jay Morrison do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain over even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of the subdivision of Township No.2 North, Range No.6 West of the Uintah Special Base and Meridian, Utah.

Leith Morrison, Chainman

Jay Morrison, Chainman

Subscribed and sworn to before me this 4th day of Oct. 1903, 189

SEAL

James F. Trotter
U.S. Deputy Surveyor

WE, I.W.I.Rowland and ____ do solemnly swear that I will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given me, to the best of my skill and ability, in the survey of the subdivision of Township No.2 North, Range No.6 West of the Uintah Special Base and Meridian, Utah.

W. I. Rowland, Moundman

____, Moundman

Subscribed and sworn to before me this 4th day of October 1903, 189

SEAL

James F. Trotter
U.S. Deputy Surveyor

WE, John Graham and J.S.Dull do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey of the subdivision of Township No.2 North, Range No.6 West of the Uintah Special Base and Meridian, Utah.

John Graham, Axman

J. S. Dull, Axman

Subscribed and sworn to before me this 4th day of Oct. 1903, 189

SEAL

James F. Trotter
U.S. Deputy Surveyor

I, M.Brown, 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 subdivision of Township No.2 North, Range No.6 West of the Uintah Special Base and Meridian, Utah.

M. Brown, Flagman

Subscribed and sworn to before me this 4th day of Oct. 1903, 189

SEAL

James F. Trotter
U.S. Deputy Surveyor

6—151

SUBDIVISIONS OF T.2 N.,R.6 W.

Survey commenced,Oct.4, ,1903,
and executed with a W.and L.E.Gurley light mountain transit,No.-,with no solar attachment.
The horizontal limb is provided with two double verniers placed opposite to each other,reading to single minutes of arc,which is also the least count of the latitude arc.
The instrument was examined,tested on the true meridian at Salt Lake City,found correct and was approved by the surveyor general for Utah, August 21,1903.
I examine the adjustments of the instrument and correct the level and collimation errors,then to determine the true meridian by an observation on Polaris,I proceed as follows:
At the cor.of secs. 1-35 and 36,which is a trachyte stone 10x8x6 ins.above the ground,marked and witnessed as described under contract No.266,Harvey D.Heist D.S.,in approximate latitude 40° 31' 33"N., longitude 110° 32'43" W.
At 6h.40m.,p.m.,l.m.t., ,I observe Polaris at eastern elongation,in accordance with the Manual of Instructions and mark a point in the line thus determined,on a peg driven in the ground,5.00 chs. N.of my station.

October 4,1903.

October 5:At 6 a.m.,l.m.t.,I lay off the azimuth of Polaris 1° 35'to the west ,and mark the meridian thus determined ,by a tack driven in a wooden plug which I set 5.00 chs.N.of the cor.
The magnetic bearing of the true meridian at 7 a.m., is 16° 43'W.,the angle thus determined gives the mag.

SUBDIVISIONS OF T.2 N.R.6 W.

CHAINS	
	decl.16° 43'E.
	Commencing at the cor.of secs. 35 and 36,heretofore described on the S.bdy.of the Tp.
	I run
	N.0° 01'W.,bet.secs.35 and 36.
	Over the steep,broken,rocky west slope of the devide between the West Fork of Lake Fork and Rock Creek Canons,ascend through heavy pine and aspen timber and dead and fallen timber.
40.00	Set a trachyte stone 16x10x6 ins.,11 ins.in the ground for ¼ sec.cor.,marked ¼ on W.face,
	from which
	An aspen 4 ins.diam.,bears N.71°E.,34 lks.dist., marked ¼ S 36 B T.
	A pine 8 ins.diam.,bears N.80°W.,10 lks.dist., marked ¼ S.35 B T.
44.00	Top of devide between West Fork of Lake Fork Canon and Rock Creek Canon,bears N.W.and S.E.
	Begin abrupt descent.
	Leave aspen timber.
76.00	Head of hollow,course E.
	Ascend.
80.00	Set a trachyte stone 18x9x4 ins.,12 ins.in the ground, for cor.of secs.25- 26-35 and 36,marked with 1 notch on the S.and E.edges,
	from which
	A pine,10 ins.,diam.,bears N.35°E.,28 lks.dist., marked T 2 N R 6 W S 25 B T.
	A pine,12 ins.diam.,bears S.64°E.,44 lks.dist., marked T 2 N R 6 W S 36 B T.
	A pine,10 ins.diam.,bears S.50°W.,36 lks.dist., marked T 2 N R 6 W S 35 B T.

SUBDIVISIONS OF T.2 N., R. 6 W.

Chains	
	A pine,12 ins.diam.,bears N.30°W.,31 lks.dist.,marked
	T 2 N R 6 W S 26 B T.
	Land mountainous.
	Soil rocky third rate.
	Timber pine.
	Mountainous and heavily timbered land on 80.00 chs.
	S.89°55'E.on a random line bet.secs.25 and 36.
40.00	Set temp.¼ sec.cor.
80.02	Intersect E.bdy.of the Tp.,5 lks.S.of the cor.of
	secs.25 and 36,heretofore described.
	Thence I run
	N.89°57'W.on a true line
	Bet.secs.25 and 36.
	Over rocky land,ascend abruptly through heavy pine timber.
20.00	Top of ridge,bears N.W.and S.E. Descend.
40.01	Set a trachyte stone,18x6x6 ins.,12 ins.in the ground,
	for ¼ sec.cor.,marked ¼ on N.face;from which
	A pine,6 ins.diam.,bears N.70°E.,12 lks.dist.,marked
	¼ S 25 B T.
	A pine,5 ins.diam.,bears S.0°01'W.,5 lks.dist.,marked
	¼ S 36 B T.
	Begin ascent.
80.02	The cor.of secs.25-26-35 and 36.
	Land mountainous.
	Soil rocky third rate.
	Timber pine.
	Mountainous and heavily timbered land on 80.02 chs.
	October 5 ,1903.

SUBDIVISIONS OF T 2 N R 6 W

Chains.	
	October 6,1903.
	N.0° 01'W.,bet.secs.25 and 26.
	Over steep,broken,rocky east slope of the divide,
	ascend through heavy pine timber.
10.00	Top of ridge bears E.and W.
	Descend.
39.00	Head of ravine,course N.E.
	Ascend.
40.00	Set a trachyte stone,16x10x5 ins.,11 ins.in the ground,
	for ¼ sec.cor.,marked ¼ on W.face;from which
	A pine,10 ins.diam.,bears S.77°E.,6 lks.dist.,marked
	¼ S 25 B T.
	A pine,15 ins.diam.,bears S.7°W.,16 lks.dist.,marked
	¼ S 26 B T.
63.25	Top of ridge bears N.E.and S.W.
	Begin abrupt descent.
80.00	Set a trachyte stone,18x8x8 ins.,12 ins.in the ground,
	for cor.of secs.23-24-25 and 26,marked with 2 notches
	on the S.and 1 notch on the E.edge;from which
	A pine,15 ins.diam.,bears N.28°E.,22 lks.dist.,marked
	T.2 N R 6 W S 24 B T.
	A pine,15 ins.diam.,bears S.69°E.,28 lks.dist.,marked
	T 2 N R 6 W S 25 B T.
	A pine,12 ins.diam.,bears S.70°W.,24 lks.dist.,marked
	T 2 N R 6 W S 26 B T.
	A pine,15 ins.diam.,bears N.15°W.,9 lks.dist.,marked
	T 2 N R 6 W S 23 B T.
	Land mountainous.
	Soil rocky third rate.
	Timber pine.
	Mountainous and heavily timbered land on 80.00 chs.

SUBDIVISIONS OF T.2 N., R.6 W.

Chains.	
	S.89°57'E.on a random line bet.secs.24 and 25.
40.00	Set temp.¼ sec.cor.
80.14	Intersect the E.bdy.of Tp.;3 lks.S.of the cor.of secs. 24 and 25,heretofore described.
	Thence I run
	N.89°58'W.on a true line
	Bet.secs.24 and 25.
	Ascend abruptly through scattering aspen and pine,and over dead and fallen timber.
17.75	Top of ridge bears N.W.and S.E.
	Descend.
31.50	Ascend.
40.07	Set a sandstone,24x8x8 ins.,18 ins.in the ground, for ¼ sec.cor.,marked ¼ on N.face;from which
	A pine,10 ins.diam.,bears N.15°W.,16 lks.dist.,marked ¼ S 24 B T.
	A pine,8 ins.diam.,bears S.59°E.,37 lks.dist.,marked ¼ S 25 B T.
57.00	Top of same ridge bears N.E.and S.W.
	Enter pine timber,bearing N.E.and S.W.
	Begin abrupt descent.
68.00	Bottom of hollow,200 ft.deep,course N.E.
	Begin abrupt ascent.
80.14	The cor,of secs.23-24-25 and 26.
	Land mountainous.
	Soil rocky third rate.
	Timber aspen and pine.
	Mountainous or heavily timbered land on 80.14 chs.
	October 6 ,1903.

SUBDIVISIONS OF T 2 N. R 6 W

Chains.	
	October 7,1903.
	N.0° 01'W.bet.secs.23 and 24.
	Descend abruptly over rocky land through heavy pine timber.
28.00	Bottom of ravine,400 ft.deep,course E.
	Begin abrupt ascent.
	Leave heavy timber,bearing E.and W.and enter dead and fallen timber.
40.00	Set a trachyte stone,18x10x5 ins.,12 ins.in the ground, for ¼ sec.cor.,marked ¼ on W.face;and raise a mound of stone,2 ft.base,1½ ft.high,West of cor.
	Pits impracticable.
42.75	Top of spur projects E.
	Begin abrupt descent.
51.00	Bottom of ravine,200 ft.deep,course E.
	Begin abrupt ascent.
	Enter scattering pine timber.
59.50	Top of ridge,bears E.and W.
	Begin abrupt descent.
80.00	Set a trachyte stone,18x15x5 ins.,12 ins.in the ground, for cor.of secs.13-14-23 and 24,marked with 3 notches on the S.and 1 notch on the E.edge;from which
	A pine,10 ins.diam.,bears N.9°E.,49 lks.dist.,marked T 2 N R 6 W S 13 B T.
	A pine,6 ins.diam.,bears S.74°E.,71 lks.dist.,marked T 2 N R 6 W S 24 B T.
	A pine,8 ins.diam.,bears S.28°W.,1.39 chs.dist.,marked T 2 N R 6 W S 23 B T.
	No other trees within limits;and raise a mound of stone, 2 ft.base,1½ ft.high W.of cor.
	Pits impracticable.
	Land mountainous.
	Soil rocky third rate.
	Timber pine.
	Mountainous or heavily timbered land on 80100 chs.

SUBDIVISIONS OF T. 2 N., R. 6 W.

Chains.	
	S.89°58'E.on a random line bet.secs.13 and 24.
40.00	Set temp.¼ sec.cor.
80.12	Intersect E.bdy.of the Tp.,7 lks.N.of the cor.of secs. 13 and 24,heretofore described.
	Thence I run
	N.89°55'W.on a true line
	Bet.secs.13 and 24.
	Over broken and rocky land,ascend abruptly through dense young aspen and pine,and over dead and fallen timber.
40.06	Set a trachyte stone,18x12x9 ins.,12 ins.in the ground for ¼ sec.cor.,marked ¼ on N.face;from which
	A pine,5 ins.diam.,bears N.29°W.,19 lks.dist.,marked ¼ S 13 B T.
	A pine,8 ins.diam.,bears S.87°W.,37 lks.dist.,marked ¼ S 24 B T.
80.12	The cor.of secs.13-14-23 and 24.
	Land mountainous.
	Soil rocky third rate.
	Timber aspen and pine.
	Mountainous and heavily timbered land on 80.12 chs.
	N.0°01'W.bet.secs.13 and 14.
	Descend abruptly through young aspen and pine and over dead and fallen aspen and pine timber.
40.00	Set a trachyte stone,16x10x4 ins.,11 ins.in the ground, for ¼ sec.cor.,marked ¼ on W.face;from which
	An aspen,3 ins.diam.,bears S.35°E.,8 lks.dist.,marked ¼ S 13 B T.
	An aspen,8 ins.diam.,bears S.24°W.,34 lks.dist.,marked ¼ S 14 B T.

Chains.	
73.00	Creek,15 lks.wide,10 ins.deep,in bottom of canon,600 ft.deep,course E.
	Ascend.
80.00	Set a trachyte stone,18x8x5 ins.,13 ins.in the ground, for cor.of secs.11-12-13 and 14,marked with 4 notches on the S.and 1 notch on the E.edge;and raise a mound of stone,2 ft.base,1½ ft.high,W.of cor.
	Pits impracticable.
	Land mountainous.
	Soil rocky third rate.
	Timber aspen and pine.
	Mountainous land on 80.00 chs.
	October 7 ,1903.

October 8,1903.

Knowing that the cor.of secs.12 and 13 falls in the lake, I run

S.89°55'E.on a true line

Bet.secs.12 and 13.

	Descend over rocky land through dense young aspen and dead and fallen timber.
1.00	Bottom of hollow,100 ft.deep,course S.
	Ascend.
3.25	Top of spur projects S.E.
	Begin abrupt descent.
	Enter scattering pine timber.
40.00	Set a trachyte stone,20x12x4 ins.,15 ins.in the ground, for ¼ sec.cor.,marked ¼ on N.face;from which
	An aspen,3 ins.diam.,bears N.75°W.,31 lks.dist.,marked ¼ S 12 B T.
	An aspen,3 ins.diam.,bears S.63°W.,23 lks.dist.,marked ¼ S 13 B T.
50.50	To West shore of lake,600 ft.below spur,bearing N.and S.

SUBDIVISIONS OF T.2 N., R. 6 W.

Chains.	
	Set a trachyte stone,30x10x10 ins.,22 ins.in the ground for meander cor.of fractional secs.12 and 13,with 4 grooves on the S.face,marked M C on E.face;from which
	A pine,15 ins.diam.,bears N.28°W.,23 lks.dist.,marked T 2 N R 6 W S 12 M C B T.
	A pine,15 ins.diam.,bears S.5°W.,23 lks.dist.,marked T 2 N R 6 W S 13 M C B T.
	Land mountainous.
	Soil rocky third rate.
	Timber aspen and pine.
	Mountainous or heavily timbered land on 50.30 chs.
	N.0°01'W.bet.secs.11 and 12.
	Over rocky land ascend abruptly through young aspen and pine timber,along west side of hollow course south.
13.00	Enter scattering pine timber.
40.00	Set a trachyte stone,18x8x8 ins.,12 ins.in the ground, for ¼ sec.cor.,marked ¼ on W.face;and raise a mound of stone,2 ft.base,1½ ft.high, W.of cor.
	Pits impracticable.
69.00	Top of ridge bears N.W.and S.E.
	Begin abrupt descent over broken trachyte ledges.
80.00	Set a trachyte stone,18x10x8 ins.,12 ins.in the ground, for cor.of secs.1-2-11 and 12.,marked with 5 notches on the S.and 1 notch on the E.edge;and raise a mound of stone,2 ft.base,1½ ft.high W.of cor.
	Pits impracticable.
	Land mountainous.
	Soil rocky third rate.
	Timber aspen and pine.
	Mountainous land on 80.00 chs.

SUBDIVISIONS OF T 2 N R 6 W

Chains.	
	S.89°55'E.on a random line bet.secs.1 and 12.
40.00	Set temp.¼ sec.cor.
80.10	Intersect E.bdy.of the Tp.,5.1ks.S.of the cor.of secs. 1 and 12,heretofore described.
	Thence I run
	N.89°57'W.on a true line
	Bet.secs.1 and 12.
	Over rocky land,descend through heavy aspen and pine timber.
10.00	Foot of abrupt descent,bearing N.W.and S.E.
	Bottom of West Fork of Lake Fork Canon,300 ft.below cor.of secs.1 and 12.
24.00	Leave heavy timber,bearing N.and S.
	Enter dense willows and marshy land.
30.55	East side of West Fork of Lake Fork Creek,bearing N.W.& S.E
32.60	West side of West Fork of Lake Fork Creek,bearing N.W.& S.E
	Enter heavy aspen and scattering pine timber,bearing N.W.and S.E. Begin abrupt ascent.
40.05	Set a trachyte stone,24 x12x5 ins.,18 ins.in the ground, for ¼ sec.cor.,marked ¼ on N.face;and raise a mound of stone,2 ft.base,1½ ft.high N.of cor.
	Pits impracticable.
80.10	The cor.of secs.1-2-11 and 12.
	Land mountainous.
	Soil rocky third rate.
	Timber aspen and pine.
	Mountainous or heavily timbered land on 80.10 chs.
	October 8 ,1903.

October 8,1903.

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

SUBDIVISIONS OF T.2 N., R. 6 W.

Chains.	
40.00	Set temp. $\frac{1}{4}$ sec.cor.
86.98	Intersect N. bdy.of the Tp.,5 lks.E.of the cor.of secs. 1-2-35 and 36,heretofore described.
	Thence I run
	S.0°03'E.on a true line
	Bet.secs.1 and 2.
	Descend through heavy aspen and pine timber.
3.50	West Fork of Lake Fork Creek,50 lks.wide,12 ins.deep, in bottom of canon,2000 ft.deep,course S.E.
	Enter dense willow brush in bottom of canon.
31.00	Leave bottom of canon.
	Enter scattering pine timber.
	Begin abrupt ascent,bearing N.W.and S.E.
46.98	Set a trachyte stone,18x10x5 ins.,12 ins.in the ground, for $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on W.face;from which
	A pine,8 ins.diam.,bears S.75°E.,6 lks.dist.,marked $\frac{1}{4}$ S 1 B T.
	A pine,6 ins.diam.,bears S.53°W.,12 lks.dist.,marked $\frac{1}{4}$ S 2 B T.
86.98	The cor.of secs.1-2-11 and 12.
	Land mountainous.
	Soil rocky third rate.
	Timber aspen and pine.
	Mountainous or heavily timbered land on 86.98 chs.
	October 9 1903.

	October 10,1903.
	From the cor.of secs. 34 and 35,on the S.bdy.of the township,which is a trachyte stone 10x6x6 ins.above ground,marked and witnessed as described by Harvey D. Heist,D.S.,under contract No.266.
	I run
	N.0°02'W.bet.secs.34 and 35.
	Ascend abruptly through heavy aspen timber.
39.00	Enter scattering pine timber.

SUBDIVISIONS OF T 2 N R 6 W.

Chains.

40.00 Set a trachyte stone,15x8x6 ins.,10 ins.in the ground, for ¼ sec.cor.,marked ¼ on W.face;from which

A pine,8 ins.diam.,bears S.23°E.,6 lks.dist.,marked

¼ S 35 B T.

An aspen,5 ins.diam.,bears S.89°W.36 lks.dist.,marked

¼ S 34 B T.

80.00 Set a trachyte stone,18x12x8 ins.,12 ins.in the ground, for cor.of secs.26-27-34 and 35,marked with 2 notches on the E.and 1 notch on the S.edge;from which

An aspen,4 ins.diam.,bears N.61°E.,51 lks.dist.,marked

T 2 N R 6 W S 26 B T.

An aspen,3 ins.diam.,bears S.33°E.,7 lks.dist.,marked

T 2 N R 6 W S 35 B T.

An aspen,5 ins.diam.,bears S.52°W.,14 lks.dist.,marked

T 2 N R 6 W S 34 B T.

An aspen,4 ins.diam.,bears N.83°W.,9 lks.dist,marked

T 2 N R 6 W S 27 B T.

Land mountainous.

Soil rocky third rate.

Timber aspen and pine.

Mountainous or heavily timbered land on 80.00 chs.

S.89°55'E.on a random line bet.secs.26 and 35.

40.00 Set temp.¼ sec.cor.

80.06 Intersect N.and S.line.,5 lks.S.of the cor.of secs. 25-26-35 and 36.

Thence I run

N.89°57'W.on a true line

Bet.secs.26 and 35.

Ascend abruptly over rocky land through heavy pine timber.

26.00 Top of divide bet.West Fork of Lake Fork and Rock Creek Canons,bears N.W.and S.E.

Begin abrupt descent.

40.03 Set a trachyte stone,18x9x5 ins.,12 ins.in the ground, for ¼ sec.cor.,marked ¼ on N.face;from which

SUBDIVISIONS OF T.3 N., R. 6 W.

Chains.	
	A pine,6 ins.diam.,bears N.70°E.,2 lks.dist.,marked ¼ S 26 B T.
	A pine,6 ins.diam.,bears S.14°E.,6 lks.dist.,marked ¼ S 35 B T.
43.00	Enter heavy aspen timber.
54.50	Head of ravine,course S. Ascend.
80.06	The cor.of secs.26-27-34 and 35.
	Land mountainous.
	Soil rocky third rate.
	Timber aspen and pine.
	Mountainous and heavily timbered land on 80.06 chs.
	N.0° 02'W.bet.secs.26 and 27.
	Over rocky land ascend through heavy aspen timber.
12.00	Enter heavy pine timber,bearing N.W.and S.E.
40.00	Set a trachyte stone,15x10x10 ins.,10 ins.in the ground, for ¼ sec.cor.,marked ¼ on W.face;from which
	A pine,6 ins.diam.,bears S.15°E.,1.20 chs.dist.,marked ¼ S 26 B T.
	A pine,6 ins.diam.,bears N.67°W.,1.52 chs.dist.,marked ¼ S 27 B T.
64.82	Top of divide bet.West Fork of Lake Fork and Rock Creek Canons,bears N.W.and S.E.
	Note:-East slope of the divide breaks off abruptly over broken and nearly perpendicular sandstone ledges, and is impassable;therefore
	Set a trachyte stone,18x10x5 ins.,12 ins.in the ground, for witness cor.to cor.of secs.22-23-26 and 27,marked W C on N.E.face,with 2 notches on the S.and E.edges; from which
	A pine,8 ins.diam.,bears S.55°E.,22 lks.dist.,marked

SUBDIVISIONS OF T 2 N R 6 W

Chains.	
	W C T 2 N R 6 W S 26 B T.
	A pine,24 ins.diam.,bears N.51°W.,95 lks.dist.,marked
	W C T 2 N R 6 W S 27 B T.
80.00	The cor.of secs.22-23-26 and 27 cannot be set.
	Land mountainous.
	Soil rocky third rate.
	Timber aspen and pine.
	Mountainous and heavily timbered land on 80.00 chs.
	October 10,1903.
	October 11,1903:
	As the cor.of secs.22-23-26 and 27 is not set,I begin at the cor.of secs.23-24-25 and 26,
	and run
	N.89°57'W.on a true line
	Bet.secs.23 and 26.
	Over rocky land ascend abruptly through heavy pine timber.
8.00	Top of spur projects N.E.
	Begin abrupt descent:
32.00	Bottom of ravine,250 ft.deep,course N.E.
	Leave heavy timber,bearing N.E.and S.W.
	Begin abrupt ascent.
40,00	Set a sandstone,18x10x5 ins.,12 ins.in the ground,for ¼ sec.cor.,marked ¼ on N.face;and raise a mound of stone,2 ft.base,1½ ft.high N.of cor.
	Pits impracticable.
	The balance of this line runs over abrupt and broken sandstone ledges and cannot be chained. I abandon the line here.
	Land mountainous.
	Soil rocky third rate.
	Timber pine.
	Mountainous or heavily timbered land on 40.00 chs.

U V S S T O N W

Chains.

From the witness cor. to cor.of secs.22-23-26 and 27, the line runs along the face of sandstone ledges,bearing N.and S.along the east slope of the divide and cannot be chained;therefore I begin at the witness cor.to cor.of secs.22-23/26 and 27,which is 15.18 chs.S.of the true point for cor. and

Offset west 22.00 chs.

Thence I run

N.0°02'W.along top of the divide to

55.18 Point for ¼ sec.cor of secs.22 and 23,22.00 chs.E., and cannot be set.

Then at a distance of 92.88 chs.,

Offset east,22.00 chs.to true line.

77.70 Top of ridge bears E.and W.

Begin abrupt descent.

80.00 Set a trachyte stone,16x10x8 ins.,11 ins.in the ground, for cor.of secs.14-15-22 and 23,marked with 3 notches on the S.and 2 notches on the E.edge;from which

A pine,6 ins.diam.,bears N.31°E.,15 lks.dist.,marked

T 2 N R 6 W S 14 B T.

A pine,5 ins.diam.,bears S.40°E.,16 lks.dist.,marked

T 2 N R 6 W S 23 B T.

A pine,6 ins.diam.,bears S.53°W.,22 lks.dist.,marked

T 2 N R 6 W S 22 B T.

A pine,6 ins.diam.,bears N.38°W.,5 lks.dist.,marked

T 2 N R 6 W S 15 B T.

Land mountainous.

Soil rocky third rate.

Timber pine.

Mountainous or heavily timbered land on 3.30 chs.

S.89°57'E.on a random line bet.secs.14 and 23.

SUBDIVISIONS OF T 2 N R.6 W.

Chains.	
40.00	Set temp. $\frac{1}{4}$ sec.cor.
80.22	Intersect N.and S.line,3 lks.S.of the cor:of secs. 13-14-23 and 24.
	Thence I run
	N.89°58'W.on a true line
	Bet.secs.14 and 23.
	Over rocky land ascend abruptly through heavy pine timber.
40.11	Set a trachyte stone,18x10x8 ins.;12 ins.in the ground, for $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on N.face;from which
	A pine,10 ins.diam.,bears N.16°E.,18 lks.dist.,marked $\frac{1}{4}$ S 14 B T.
	A pine,8 ins.diam.,bears S.11°W.,21 lks.dist.,marked $\frac{1}{4}$ S 23 B T.
80.22	The cor.of secs.14-15-22 and 23.
	Land mountainous.
	Soil rocky third rate.
	Timber pine.
	Mountainous and heavily timbered land on 80.22 chs.
	October 11,1903.
	October 12,1903.
	N.0°02'W.bet.secs.14 and 15.
	Over rocky land, descend abruptly through scattering pine.
8.00	Enter heavy pine timber,bearing E.and W.
30.00	Bottom of ravine,600 ft.deep,course E.
	Begin abrupt ascent.
	Leave heavy timber,bearing E.and W.
40.00	Set a trachyte stone,18x10x5 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,1½ ft.high,W.of cor.
	Pits impracticable.

Chains.

49.00 Top of spur projects E.

Enter heavy aspen and pine timber,bearing E.and W.

Descend.

80.00 Set a trachyte stone 12x12x6 ins.,8 ins.in the ground, for cor.of secs.10-11-14 and 15,marked with 4 notches on S.and 2 notches on the E.edges,from which

A pine 4 ins.diam.,bears N.78°E.,9 lks.dist.,marked

T 2 N R 6 W S 11 B.T.

An aspen 3 ins.diam.,bears S.42°E.,16 lks.dist.,marked

T.2 N R 6 W S 14 B.T.

A pine 5 ins.diam.,bears S.24°W.,52 lks.dist.,marked

T 2 N R 6 W S 15 B T

A pine 3 ins.diam.,bears N.43°W.,25 lks.dist.,marked

T 2 N R 6 W S 10 B T

Land,mountainous.

Soil,rocky 3rd.rate.

Mountainous land or heavily timbered, 80.00 chs.

S.89° 58'E.on a random line bet.secs.11 and 14.

40.00 Set temp.¼ sec.cor.

80.18 Intersect N.and S. line,5 lks.N.of the cor.of secs. 11-12-13 and 14.

Thence I run

N.89° 56'W.,on a true line

Bet.secs.11 and 14.

Over rocky land,ascend over dead and fallen timber and dense young aspen and pine timber.

5.00 Top of spur projects S.

Descend.

29.50 Bottom of hollow,100 ft.deep,course S.

Ascend.

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

40.09 Set a trachyte stone 14x10x8 ins.,9 ins.in the ground, for ¼ sec.cor.,marked ¼ on N.face,from which

An aspen 4 ins.diam.,bears N.39°E.,4 lks.dist.,marked

¼ S 11 B T

SUBDIVISIONS OF T.2 N.,R.6 W.

CHAINS	
	An aspen 4 ins.diam.,bears S.78°E.,16 lks.dist.,marked ¼ S 14 B.T.
46.00	Top of spur projects S.E.
	Descend abruptly.
58.00	Creek,15 lks.wide,10 ins.deep,in bottom of canon 800 ft.deep,course S.E.
	Begin abrupt ascent.
80.18	The cor.of secs.10-11-14 and 15.
	Land mountainous.
	Soil,rocky 3rd.rate.
	Timber,aspen and pine.
	Mountainous land or heavily timbered on 80.18 chs.
	October 12,1903.
	October 13,1903.
	N.0° 02'W.bet.secs.10-and 11.
	Over rocky land,descend through heavy fire killed aspen and pine timber.
5.00	Enter heavy aspen and pine timber,bears E.and W.
8.50	Bottom of ravine,150 ft.deep,course E.
	Begin ascent.
27.00	Top of spur projects S.E.
Begin abrupt descent.	
32.00	Creek,20 lks.wide,10 ins.deep,in bottom of canon 800 ft. deep,course S.E.
	Begin abrupt ascent.
40.00	Set a trachyte stone 20x10x6 ins.,15 ins.in the ground for ¼ sec.cor.,marked ¼ on W.face,from which
	A pine 15 ins.diam.,bears N.69°E.,65 lks.dist.,marked ¼ S 11 B T
	A pine 10 ins.diam.,bears S.50°W.,77 lks.dist.,marked ¼ S 10 B T
62.00	Enter fire killed aspen and pine timber,bears N.W.and S.

SUBDIVISIONS OF T.2 N.,R.6 W.

CHAINS

80.00 Set a trachyte stone 15x10x8 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,1½ ft.high,W.of cor.

Pits impracticable.

Land mountainous.

Soil rocky third rate.

Timber aspen and pine.

Mountainous or heavily timbered land on 80.00 chs.

S.89°56'E.on a random line bet.secs.2 and 11.

40.00 Set temp.¼ sec.cor.

80.16 Intersect N.and S.line,3 lks.N.of the cor.of secs.1-2-11 and 12.

Thence I run

N.89°55'W.on a true line

Bet.secs.2 and 11.

Ascend abruptly over rocky land through heavy pine timber.

34.00 Top of ridge,800 ft.above sec.cor.,bears S.E.and W.

Thence along ridge.

40.08 Set a trachyte stone,20x14x8 ins.,15 ins.in the ground for ¼ sec.cor.,marked ¼ on N.face;from which

A pine,8 ins.diam.,bears N.34°W.,34 lks.dist.,marked

¼ S 2 B T.

A pine,12 ins.diam.,bears S.39°E.,79 lks.dist.,marked

¼ S 11 B T.

42.00 Enter heavy fire killed timber,bearing N.and S.

61.00 Leave top of ridge bearing N.W.and E.

Descend.

80.16 The cor.of secs.2-3-11 and 12.

Land mountainous.

Soil rocky third rate.

Timber pine.

Mountainous or heavily timbered land on 80.16 chs.

SUBDIVISIONS OF TOWNSHIP 2 N R 6 W

CHAINS.	
	N.0°02'W.on a random line bet.secs.2 and 3.
40.00	Set temp.¼ sec.cor.
86.84	Intersect the North bdy.of Tp.,12 lks.W.of the cor.of secs.2-3-34 and 35,heretofore described.
	Thence I run
	S.0°03'W.on a true line
	Bet.secs.2 and 3.
	Over rocky land descend abruptly through heavy pine timber.
8.50	Bottom of ravine,150 ft.deep.course E.
	Begin abrupt ascent.
21.00	Top of spur projects E.
	Begin abrupt descent.
42.50	Bottom of ravine,400 ft.deep,course E.
	Begin abrupt ascent.
46.84	Set a trachyte stone,30x8x6 ins.,15 ins.in the ground, for ¼ sec.cor.marked ¼ on W.face;from which
	A pine,4 ins.diam.,bears N.43°E.,37 lks.dist.,marked ¼ S 2 B T .
	A pine,5 ins.diam.,bears N,17°W.,12 lks.dist.,marked ¼ S 3 B T.
63.00	Enter heavy fire killed timber.
68.00	TOP of ridge bears N.W.and S.E.
	Descend.
86.84	The cor.of secs.2-3-10 and 11.
	Land mountainous.
	Soil rocky third rate.
	Timber pine.
	Mountainous or heavily timbered land on 86.84 chs.

SUBDIVISIONS OF T.2.N.,R.6 W.

CHAINS	
	On the south boundary of the township, at the cor.of secs. 33 and 34,which is a limestone, 8x6x4 ins.above ground,marked as described by Harvey D. Heist,D.S.,under contract No.266;at 6h.04m.,p.m.,l.m.t., I.observe Polaris at eastern elongation,in accordance with Manual of Instructions,and mark the line thus determined by a tack in a wooden peg,set in the ground,5.00 chs. north of the cor.
	October 13,1903.
	October 14: At 7 a.m.,I lay off the azimuth of Polaris, 1°35'to the west,and mark the true meridian thus determined,by cutting a mark on a stone firmly set in the ground west of the point established last night;the magnetic bearing of said true meridian is N.16°43'W.,which gives the magnetic declination 16°43'E.
	Thence I run
	N.0° 02'W.,bet.secs.33 and 34.
	Descend along steep,east slope,through dense artemisia.
11.00	Enter heavy pine timber,bears N.W.and S.E.
29.50	Bottom of canon,700 ft.deep,course S.15°E.
	Begin abrupt ascent along steep west slope.
40.00	Set a trachyte stone,18x10x6 ins.,12 ins.in the ground, for ¼ sec.cor.,marked ¼ on W.face,from which
	An aspen,5 ins.diam.,bears N.19°E.,19 lks.dist., marked ¼ S 34 B T.
	A pine,30 ins.diam.,bears S.54°W.,13 lks.dist., marked ¼ S 33 B T.
40.50	Rocky spur,projects W.,begin abrupt descent.
59.00	Ravine,300 ft.deep,course S.W.,begin abrupt ascent.
72.00	Top of spur,projects S.W.,descend.
80.00	Set a quartzite stone,18x13x7 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 pine,6 ins.diam.,bears N.17°E.,1.30 chs.dist., marked T 2 N R 6 W S 27 B T.
	A pine,12 ins.diam.,bears S.11°E.,72 lks.dist.,marked

SUBDIVISIONS OF T. 2 N., R. 6 W.

CHAINS	
	T 2 N R 6 W S 34 B T.
	A pine, 5 ins. diam., bears S. 62° W., 8 lks. dist.,
	marked T 2 N R 6 W S 33 B T.
	A pine, 8 ins. diam., bears N. 27° W., 66 lks. dist.,
	marked T 2 N R 6 W S 28 B T.
	Land, mountainous.
	Soil, rocky, 3rd. rate.
	Timber, aspen and pine.
	Mountainous land and heavily timbered or dense
	undergrowth on 80.00 chs.
	———————————————
	S. 89° 55' E., on a random line, bet. secs. 27 and 34.
40.00	Set temp. ¼ sec. cor.
80.10	Intersect N. and S. line, 5 lks. N. of the cor. of secs.
	26-27-34 and 35.
	Thence I run
	N. 89° 53' W., on a true line,
	Bet. secs. 27 and 34.
	Over rocky land, ascend through heavy aspen and pine
	timber.
17.00	Top of ridge, bears N. and S., begin abrupt descent.
35.00	Enter fire killed aspen timber, bears N. and S.
40.05	Set a trachyte stone, 18x12x5 ins., 12 ins. in the ground,
	for ¼ sec. cor., marked ¼ on N. face, and raise a mound of
	stone, 2 ft. base, 1½ ft. high, N. of cor. Pits impracticable.
61.00	Bottom of hollow, 100 ft. deep, course S.W. Ascend.
66.50	Top of ridge, bears N.E. and S.W. Begin abrupt descent.
75.00	Leave aspen timber, bears N.E. and S.W.
	Enter scattering pine timber.
80.10	The cor. of secs. 27-28-33 and 34.
	Land, mountainous.
	Soil, rocky, 3rd. rate.
	Timber, aspen and pine.

SUBDIVISIONS OF T 2 N R 6 W

Chains.	
	Mountainous or heavily timbered land on 80.10 chs.
	October 14 ,1903.
	[illegible]
	October 15,1903.
	N.0° 02'W.bet.secs.27 and 28.
	Over steep rocky west slope ascend through scattering pine timber.
6.00	Enter heavy aspen and pine timber,bearing E.and W.
40.00	Set a trachyte stone,18x10x6 ins.,12 ins.in the ground, for ¼ sec.cor.,marked ¼ on W.face;from which
	An aspen,8 ins.diam.,bears N.23°E.,3 lks.dist.,marked ¼ S 27 B T.
	An aspen,12 ins.diam.,bears S.38°W.,18 lks.dist.,marked ¼ S 28 B T.
53.50	Top of spur projects W.
	Begin abrupt descent.
80.00	Set a trachyte stone,18x9x5 ins.,12 ins.in the ground, for cor.of secs.21-22-27 and 28,marked with 2 notches on the S.and 3 notches on the E.edge;from which
	A pine,15 ins.diam.,bears N.45°E.,20 lks.dist.,marked T 2 N R 6 W S 22 B T.
	A pine,15 ins.diam.,bears S.88°E.,62 lks.dist.,marked T 2 N R 6 W S 27 B T.
	A pine,6 ins.diam.,bears S.51°W.,27 lks.dist.,marked T 2 N R 6 W S 28 B T.
	A pine,10 ins.diam.,bears N.41°W.,31 lks.dist.,marked T 2 N R 6 W S 21 B T.
	Land mountainous.
	Soil rocky third rate.
	Timber aspen and pine.
	Mountainous or heavily timbered land on 80.00 chs.

SUBDIVISIONS OF T. 2 N., R. 6 W.

Chains.	
	The cor.of secs.22-23-26 and 27 is not set,therefore I run
	S.89°53'E.on a true line
	Bet.secs.22 and 27.
	Ascend abruptly over rocky land through heavy aspen and pine timber.
15.50	Top of spur projects N.
	Begin abrupt descent.
30.50	Head of ravine,course N.W.
	Begin abrupt ascent.
40.00	Set a trachyte stone,18x10x8 ins.,12 ins.in the ground, for a sec.cor.,marked ✢ on N.face;from which
	A pine,8 ins.diam.,bears N.53°W.,27 lks.dist.,marked ✢ S 22 B T.
	A pine,8 ins.diam.,bears S.69°W.,38 lks.dist.,marked ✢ S 27 B T.
55.00	Leave heavy timber,bearing N.W.and S.E.
63.40	Top of divide bet West Fork of Lake Fork and Rock Creek Canons,bears N.W.and S.E.
	Set a sandstone,18x10x8 ins.,12 ins.in the ground, for witness cor.to cor.of secs.22-23-26 and 27,marked W C on N.E.face,with 2 notches on the S.and E.edges; and raise a mound of stone,2 ft.base,1½ ft.high,W. of cor.
	Pits impracticable.
80.00	The cor.of secs.22-23-26 and 27 is not set.
	Land mountainous.
	Soil rocky third rate. Timber aspen and pine.
	Mountainous,or heavily timbered land on 80.00 chs.

N.0° 02'W.bet.secs.21 and 22.

SUBD V. I S F T 2 [illegible]

CHAINS

Descend over rocky land through heavy pine timber.

2.50 Bottom of ravine,500 ft.deep,course S.W.

Begin abrupt ascent.

26.00 Top of spur projects E.

Begin abrupt descent.

35.50 Bottom of ravine,400 ft.deep,course S.E.

Begin abrupt ascent.

40.00 Set a trachyte stone,18x8x4 ins.,12 ins.in the ground, for ¼ sec.cor.,marked ¼ on W.face;from which

A pine,30 ins.diam.,bears N.13°E.,14 lks.dist.,marked

¼ S 22 B T.

Pine,30 in.diam.,bears S,30°W.,8 lks.dist.,marked

¼ S 21 B T.

60.00 Top of spur projects W.

Descend.

70.50 Bottom of hollow,100 ft.deep,course W.

Ascend.

80.00 Set a trachyte stone,18x10x8 ins.,12 ins.in the ground, for cor.of secs.15-16-21 and 22,marked 2N on N.E.,and 6W on S.E.face;with 3 notches on S.and E.edges,from which

A pine,10 ins.diam.,bears N.54°E.,17 lks.dist.,marked

T 2 N R 6 W S 15 B T.

A pine,5 ins.diam.,bears S.32°E.,13 lks.dist.,marked

T 2 N R 6 W S 22 B T.

A pine,5 ins.diam.,bears S,83°W.,18 lks.dist.,marked

T 2 N R 6 W S 21 B T.

A pine,15 ins.diam.,bears N.77°W.,38 lks.dist.,marked

T 2 N R 6 W S 16 B T.

Land mountainous.

Soil rocky third rate.

Timber,pine.

Mountainous or heavily timbered land on 80.00 chs.

October 15 ,1903.

SUBDIVISIONS OF T.2 N..R.6 W.

CHAINS	
	October 16,1903.
	S.89°53'E.on a random line bet.secs.15 and 22.
40.00	Set temp.¼ sec.cor.
80.14	Intersect N.and S.line,7 lks.S.of the cor.of secs.14-15 -22 and 23.
	Thence
	N.89°56'W.on a true line
	Bet.secs.15 and 22.
	Over rocky land ascend abruptly through scattering pine timber.
32.50	Top of divide bet.West Fork of Lake Fork and Rock Creek Canons,bears N.W.and S.E.
	Begin abrupt descent.
34.00	Enter heavy pine timber,bearing N.W.and S.E.
40.07	Set a trachyte stone,18x12x4 ins.,12 ins.in the ground, for ¼ sec.cor.,marked ¼ on N.face;from which
	A pine,15 ins.diam.,bears N.27°W.,10 lks.dist.,marked ¼ S 15 B T.
	A pine,8 ins.diam.,bears S.17°W.,53 lks.dist.,marked ¼ S 22 B T.
80.14	The cor.of secs.15-16-21-22.
	Land mountainous.
	Soil rocky third rate.
	Timber,pine.
	Mountainous or heavily timbered land on 80.14 chs.
	N.0° 02'W.bet.secs.15 and 16.
	Ascend through heavy pine timber.
1.50	Leave heavy pine timber,bearing E.and W.
	Enter scattering pine timber.
40.00	Set a trachyte stone,16x8x6 ins.,11 ins.in the ground, for ¼ sec.cor.,marked ¼ on W.face;from which
	A pine,6 ins.diam.,bears N.48°E.,21 lks.dist.,marked ¼ S 15 B T.

B V [illegible] N [illegible] 6 7

Chain.

A pine,5 ins.diam.,bears N.18°W.,16 lks.dist.,marked $\frac{1}{4}$ S 16 B T.

50.00 Leave scattering timber.

67.00 Top of divide bet.West Fork of Lake Fork and Rock Creek Canons,bears N.W.and S.E.

Begin abrupt descent.

68.00 Enter scattering pine timber.

75.00 Leave scattering timber.

80.00 Set a trachyte stone,20x8x4 ins.,15 ins.in the ground, for cor.of secs.9-10-15 and 16,marked with 4 notches on the S.and 3 notches on the E.edge;and raise a mound of stone,2 ft.base,1½ ft.high,W.of cor.

Pits impracticable.

Land mountainous.

Soil rocky third rate.

Timber pine.

Mountainous or heavily timbered land on 80.00 chs.

[illegible]

S.89°56'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,7 lks.S.of the cor.of secs. 10-11-14 and 15.

Thence I run

N.89°59'W.on a true line

Bet secs.10 and 15.

Over rocky land ascend abruptly through heavy pine timber.

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

A pine,8 ins.diam.,bears N.15°W.,26 lks.dist.,marked $\frac{1}{4}$ S 10 B T.

A pine,8 ins.diam.,bears S.40°E.,12 lks.dist.,marked

Chains.	
	¼ S 15 B T.
76.00	Leave heavy timber,bearing N.and S.
80.18	The cor.of secs.9-10-15-16.
	Land mountainous.
	Soil rocky third rate.
	Timber pine.
	Mountainous or heavily timbered land on 80.18 chs.
	October 16 ,1903.
	[illegible]
	[illegible]
	[illegible]
	October 17,1903.
	N.0° 02'W.bet.secs.9 and 10.
	Over rocky land descend abruptly.
7.00	Bottom of ravine,400 ft.deep,course E.
	Begin abrupt ascent.
	Enter scattering pine timber.
28.00	Top of rocky ridge bears E.and W.
	Begin abrupt descent.
	Leave timber.
40.00	Set a trachyte stone,18x10x8 ins.,12 ins.in the ground, for ¼ sec.cor.,marked ¼ on W.face;and raise a mound of stone,2 ft.base 1½ ft.high,W.of cor.
	Pits impracticable.
54.00	Enter heavy pine timber,bearing E.and W.
71.00	Enter heavy fire killed timber,bearing E.and W.
78.75	Spring branch,2 lks.wide,in bottom of hollow,course E.
	Ascend.
80.00	Set a trachyte stone,20x10x8 ins.,15 ins.in the ground for cor.of secs.3-4-9 and 10,marked with 5 notches on the S.and 3 notches on the E.edge;and raise a mound of stone,2 ft.base,1½ ft.high,W.of cor.
	Pits impracticable.
	Land mountainous.

Chains.

Soil rocky,third rate.

Timber pine.

Mountainous or heavily timbered land on 80.00 chs.

S.89°59'E.on a random line bet.secs.3 and 10.

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

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

Thence I run

N.89°58'W.on a true line

Bet.secs.3 and 10.

Descend abruptly through heavy fire killed pine timber.

7.50 Head of ravine,course S.

Begin abrupt ascent.

12.50 Top of spur projects S.

Begin abrupt descent.

40.04 Set a trachyte stone 18x12x8 ins.,12 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 W.of cor.

Pits impracticable.

65.35 Creek,15 lks.wide,10 ins.deep,in bottom of canon, 500 ft.deep,course S.E.

Begin abrupt ascent.

70.00 Spring branch,2 lks.wide,course S.E.

73.50 Spring branch,2 lks.wide,course N.E.

80.08 The cor.of secs.3-4-9 and 10.

Land mountainous.

Soil rocky third rate.

Timber fire killed pine.

Mountainous and heavily timbered land on 80.08 chs.

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

Chains.	
40.00	Set temp. ¼ sec.cor.
86.87	Intersect N.bdy.of Tp.,7 lks.W.of the cor.of secs. 3-4-33 and 34,heretofore described.
	Thence I run
	S.0°01'W.on a true line
	Bet.secs.3 and 4.
	Descend abruptly along steep west slope through heavy pine timber.
37.50	Enter fire killed pine timber,bearing N.W.and S.E.
46.87	Set a trachyte stone,18x12x4 ins.,12 ins.in the ground for ¼ sec.cor.,marked ¼ on W.face;and raise a mound of stone,2 ft.base,1½ ft.high,W.of cor.
	Pits impracticable.
62.50	Creek,15 lks.wide,10 ins.deep,in bottom of canon,800 ft.deep,course S.E.
	Ascend.
85.00	Descend.
86.87	The cor.of secs.3-4-9 and 10.
	Land mountainous.
	Soil rocky third rate.
	Timber,pine.
	Mountainous or heavily timbered land on 86.87 chs.
	October 17,1903.

October 18,1903: I begin at the cor.of secs. 32 and 33,which is a sandstone,10x8x6 ins.above ground, on the S. bdy. of this Tp., marked and witnessed as described by Harvey D.Heist, D.S.,under his contract No.266.

Thence I run

N.0°03'W.bet.secs.32 and 33.

Over rocky land ascend abruptly through heavy pine timber.

11.00 Top of spur projects W.

SUBDIVISIONS OF T.2 N. R. 6 W.

Chains.

Begin abrupt descent.

33.00 Bottom of canon,700 ft.deep,course W.

Begin abrupt ascent.

Leave heavy pine timber,bearing E.and W.

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.

Pits impracticable.

54.00 Enter heavy aspen and pine timber,bearing E.and W.

80.00 Set a sandstone,20x12x8 ins.,15 ins.in the ground, for cor.of secs.28-29-32 and 33,marked with 4 notches on the E.and 1 notch on the S.edge;from which

An aspen,4 ins.diam.,bears N.48°E.,29 lks.dist.,marked

T 2 N R 6 W S 28 B T.

An aspen,5 ins.diam.,bears S.47°E.,36 lks.dist.,marked

T 2 N R 6 W S 33 B T.

An aspen,8 ins.diam.,bears S.48°W.,8 lks.dist.,marked

T 2 N R 6 W S 32 B T.

A pine,5 ins.diam.,bears N.22°W.,15 lks.dist.,marked

T 2 N R 6 W S 29 B T.

Land,mountainous.

Soil,rocky;third rate.

Timber aspen and pine.

Mountainous or heavily timbered land on 80.00 chs.

S.89°55'E.on a random line bet.secs.28 and 33.

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

80.14 Intersect N.and S.line,3 lks.S.of the cor.of secs. 27-28-33 and 34.

Thence I run

N.89°56'W.on a true line

Bet.secs.28 and 33.

SUBDIVISIONS OF T. 2 N., R. 6 W.

Chains.	
	Over rocky land, descend abruptly through scattering pine timber.
1.50	Bottom of hollow, 150 ft. deep, course S.
	Ascend.
5.00	Top of spur projects S.
	Begin abrupt descent.
19.00	Bottom of canon, 700 ft. deep, course S.E.
	Begin abrupt ascent.
	Enter heavy pine timber, bearing N.W. and S.E.
38.00	Top of ridge bears N. and S.
	Begin abrupt descent.
40.07	Set a sandstone, 18x8x8 ins., 13 ins. in the ground, for ¼ sec. cor., marked ¼ on N. face; from which
	A pine, 30 ins. diam., bears N.27°W., 32 lks. dist., marked ¼ S 28 B T.
	A pine, 20 ins. diam., bears S.62°E., 24 lks. dist., marked ¼ S 33 B T.
49.80	Bottom of ravine, 200 ft. deep, course S.W.
	Ascend.
58.00	Top of ridge bears N. and S.
	Begin abrupt descent.
62.00	Enter heavy aspen timber, bearing N. and S.
64.00	Bottom of ravine, 200 ft. deep, course S.W.
	Begin abrupt ascent.
67.50	Top of spur projects S.
	Descend.
80.14	The cor. of secs. 28-29-32 and 33.
	Land, mountainous.
	Soil, rocky; third rate.
	Timber aspen and pine.
	Mountainous or heavily timbered land on 80.14 chs.
	October 19, 1903.

SUBDIVISIONS OF T.2 N., R. 6 W.

Chains.	
	October 20,1903.
	N.0°03'W.bet.secs.28 and 29.
	Ascend abruptly through heavy pine and aspen timber.
32.00	Top of spur projects W.
	Begin abrupt descent.
40,00	Set a sandstone,16x10x6 ins.,11 ins.in the ground,for ¼ sec.cor.,marked ¼ on W.face;from which
	A pine,30 ins.diam.,bears S.71°E.,39 lks.dist.,marked ¼ S 28 B T.
	A pine,6 ins.diam.,bears N.30°W.,58 lks.dist.,marked ¼ S 29 B T.
60.25	Bottom of ravine,250 ft.deep,course S.W.
	Begin abrupt ascent.
80.00	Set a sandstone,18x10x5 ins.,12 ins.in the ground,for cor.of secs.20-21-28 and 29,marked with 2 notches on the S.and 4 notches on the E.edge;from which
	A pine,12 ins.diam.,bears N.86°E.,40 lks.dist.,marked T 2 N R 6 W S 21 B T.
	A pine,6 ins.diam.,bears S.40°E.,59 lks.dist.,marked T 2 N R 6 W S 28 B T.
	A pine,6 ins.diam.,bears S.15°W.,23 lks.dist.,marked T 2 N R 6 W S 29 B T.
	A pine,12 ins.diam.,bears N.52°W.,54 lks.dist.,marked T 2 N R 6 W S 20 B T.
	Land,mountainous.
	Soil,rocky;third rate.
	Timber,aspen and pine.
	Mountainous and heavily timbered land on 80.00 chs.
	S.89°56'E.on a random line bet.secs.21 and 28.
40.00	Set temp.¼ sec.cor.
80.06	Intersect N.and S.line,7 lks.S.of the cor.of secs. 21-22-27 and 28.

Chains.	
	Thence I run
	N.89°59'W.on a true line
	Bet.secs.21 and 28.
	Descend through heavy pine timber.
3.00	Bottom of ravine,500 ft.deep,course S.W.
	Begin abrupt ascent.
9.00	Top of spur projects S.
	Begin abrupt descent.
31.00	Bottom of canon,700 ft.deep,course S.E.
	Leave heavy timber,bearing N.W.and.S.E.
	Begin abrupt ascent over trachyte boulders.
40.03	Point for $\frac{1}{4}$ sec.cor.falls on a trachyte boulder,3x3x3 ft.above ground; Cut a cross at exact corner point, marked $\frac{1}{4}$ on N.side of cross(+);and raise a mound of stone,2 ft.base,$1\frac{1}{2}$ ft.high N.of cor.
	Pits impracticable.
47.50	Top of rocky spur projects S.
	Begin abrupt descent.
	Enter heavy pine timber,bearing N.and S.
54.00	Bottom of ravine,300 ft.deep,course S.E.
	Begin abrupt ascent.
79.00	Top of ridge bears N.W.and S.E.
	Descend.
80.06	The cor.of secs.20-21-28 and 29.
	Land,mountainous.
	Soil,rocky;third rate.
	Timber,pine.
	Mountainous or heavily timbered land on 80.06 chs.
	N.0° 03'W.bet.secs.20 and 21.
	Ascend through heavy pine timber.
4.50	Top of ridge bears N.W.and S.E.

SUBDIVISIONS OF T.2 N. R. 6 W.

Main .

Descend.

19.75 Bottom of ravine,150 ft.deep,course S.E.

Begin abrupt ascent,

35.00 Top of ridge bears N.W.and S.E.

Begin abrupt descent.

40.00 Set a trachyte stone,16x12x4 ins.,11 ins.in the ground for ¼ sec.cor.,marked ¼ on W.face;from which

A pine,7 ins.diam.,bears N.74°E.,13 lks.dist.,marked ¼ S 21 B T.

A pine,15 ins.diam.,bears N.43°W.,25 lks.dist.,marked ¼ S 20 B T.

46.75 Bottom of ravine,150 ft.deep,course S.E.

Begin abrupt ascent.

66.00 Top of ridge bears N.W.and S.E.

Descend.

72.50 Bottom of hollow,100 ft.deep,course S.E.

Ascend.

80.00 Set a quartzite stone,18x8x6 ins.,12 ins.in the ground, for cor.of secs.16-17-20 and 21,marked with 3 notches on the S.and 4 notches on the E.edge;from which

A pine,5 ins.diam.,bears N.36°E.,15 lks.dist.,marked T 2 N R 6 W S 16 B T.

A pine,8 ins.diam.,bears S.7°E.,13 lks.dist.,marked T 2 N R 6 W S 21 B T.

A pine,8 ins.diam.,bears S.72°W.,27 lks.dist.,marked T 2 N R 6 W S 20 B T.

A pine,6 ins.diam.,bears N.5°W.,8 lks.dist.,marked T 2 N R 6 W S 17 B T.

Land mountainous.

Soil,rocky;third rate.

Timber,pine.

Mountainous and heavily timbered land on 80.00 chs.

October 20,1903.

SUBDIVISIONS OF T.3 N., R. 6 W.

Chains.	
	October 21,1903.
	S.89°59'E.on a random line bet.secs.16 and21.
40.00	Set temp.¼ sec.cor.
80.10	Intersect N.and S.line,5 lks.S.of the cor.of secs. 15-16-21 and 22.
	Thence I run
	S.89°59'W.on a true line
	Bet.secs.16 and 21.
	Descend abruptly over rocky land through heavy pine timber.
30.00	Bottom of ravine,150 ft.deep,course S.E.
	Begin abrupt ascent.
38.00	Top of ridge bears N.W.and S.E.
	Begin abrupt descent.
40.05	Set a trachyte stone,18x10x6 ins.,12 ins.in the ground, for ¼ sec.cor.,marked ¼ on N.face;from which
	A pine,6 ins.diam.,bears N.38°W.,40 lks.dist.,marked ¼ S 16 B T.
	A pine,5 ins.diam.,bears S.24°E.,1.08 chs.dist.,marked ¼ S 21 B T.
67.50	Bottom of canon,400 ft.deep,course S.E.
	Begin abrupt ascent.
80.10	The cor.of secs.16-17-20 and 21.
	Land mountainous.
	Soil rocky third rate.
	Timber,pine.
	Mountainous and heavily timbered land on 80.10 chs.

	N.0° 03'W.bet.secs.16 and 17.
	Ascend over rocky land through heavy pine timber.
3.00	Top of spur projects E.
	Begin abrupt descent.
40.00	Set a sandstone,20x8x5 ins.,15 ins.in the ground, for ¼ sec.cor.,marked ¼ on W.face;from which

SUBDIVISIONS OF T. 2 N., R. 6 W.

Chains	
	A pine,6 ins.diam.,bears S.21°E.,1.74 chs.dist.,marked ¼ S 16 B T.
	A pine,8 ins.diam.,bears S.66°W.,43 lks.dist.,marked ¼ S 17 B T.
47.50	Bottom of canon,300 ft.deep,course S.E.
	Begin abrupt ascent.
80.00	Set a quartzite stone,18x8x8 ins.,12 ins.in the ground for cor.of secs.8-9-16-and 17,marked with 4 notches on the S.and E.edges;from which
	A pine,15 ins.diam.,bears N.43°E.,35 lks.dist.,marked T 2 N R 6 W S 9 B T.
	A pine,10 ins.diam.,bears S.28°E.,71 lks.dist.,marked T 2 N R 6 W S 16 B T.
	A pine,8 ins.diam.,bears S.22°W.,64 lks.dist.,marked T 2 N R 6 W S 17 B T.
	A pine,8 ins.diam.,bears N.42°W.,25 lks.dist.,marked T 2 N R 6 W S 8 B T.
	Land mountainous.
	Soil rocky third rate.
	Timber,pine.
	Mountainous and heavily timbered land on 80.00 chs.
	N.89°59'E.on a random line bet.secs.9 and 16.
40.00	Set temp.½ sec.cor.
79.92	Intersect N.and S.line,7 lks.N.of the cor.of secs. 9-10-15 and 16.
	Thence I run
	N.89°58'W.on a true line
	Bet.secs.9 and 16.
	Ascend over steep rocky north slope.
4.00	Enter scattering pine timber.

SUBDIVISIONS OF T.2 N. R. 6 W.

Chains.	
39.96	Set a trachyte stone,18x8x8 ins.,13 ins.in the ground, for ¼ sec.cor.,marked ¼ on N.face;from which
	A pine,5 ins.diam.,bears N.41°E.,17 lks.dist.,marked ¼S 9 B T.
	A pine,8 ins.diam.,bears S.52°W.,22 lks.dist.,marked ¼ S 16 B T.
43.50	Top of divide bet.West Fork of Lake Fork and Rock Creek, bears N.W.and S.E.
	Descend.
45.00	Enter heavy pine timber,bearing N.W.and S.E.
79.92	The cor.of secs.8-9-16 and 17.
	Land mountainous.
	Soil,rocky;third rate.
	Timber,pine.
	Mountainous or heavily timbered land on 79.92 chs.
	October 21 1903.

[illegible]

October 22,1903.

N.0° 03'W.bet.secs.8 and 9.

Over rocky land ascend through heavy pine timber.

27.00	Top of devide between West Fork of Lake Fork and Rock Creek Canons,bears E.and W.
	Begin abrupt descent.
40.00	Set a trachyte stone 15x10x8 ins.,10 ins.in the ground for ¼ sec.cor.,marked ¼ on W.face,from which
	A pine 15 ins.diam.,bears N.76°E.,13 lks.dist., marked ¼ S 9 B T.
	A pine 18 ins.diam.,bears S.9°W.,33 lks.dist., marked ¼ S 8 B T.
59.65	Spring branch 2 lks.wide,in bottom of ravine 800 ft. deep,course E.
	Begin abrupt ascent.

SUBDIVISIONS OF T. R. 6 W

Chains.	
79.50	Top of ridge bears E.and W.
	Descend.
80.00	Set a sandstone,18x8x6 ins.,12 ins.in the ground,for cor.of secs.4-5-8-9,marked with 5 notches on the S.and 4 notches on the E.edge;from which
	A pine,24 ins.diam.,bears N.66°E.,41 lks.dist.,marked T 2 N R 6 W S 4 B T.
	A pine,6 ins.diam.,bears S.30°E.,35 lks.dist.,marked T 2 N R 6 W S 9 B T.
	A pine,24 ins.diam.,bears S.52°W.,13 lks.dist.,marked T 2 N R 6 W S 8 B T.
	A pine,8 ins.diam.,bears N.73°W.,21 lks.dist.,marked T 2 N R 6 W S 5 B T.
	Land mountainous.
	Soil rocky,third rate.
	Timber,pine.
	Mountainous and heavily timbered land on 80.00 chs.

	S.89°52'E.on a random line bet.secs.4 and 9.
40.00	Set temp.¼ sec.cor.
79.94	Inter sect N.and S.line,3 lks.N.of the cor.of secs. 4-5-8 and 9.
	Thence I run
	N.89°57'W.on a true line
	Bet.secs.4 and 9.
	Over rocky land ascend abruptly through heavy fire killed pine timber.
4.00	Enter scattering live pine timber.
18.50	Top of spur projects S.E.
	Descend.
21.00	Bottom of ravine,50 ft.deep,course S.E.
	Begin abrupt ascent.
39.97	Set a sandstone,18x8x6 ins.,12 ins.in the ground,for ¼ sec.cor.,marked ¼ on N.face;from which
	A pine,15 ins.diam.,bears N.3°W.,49 lks.dist.,marked

SUBDIVISIONS OF T.2 N., R. 6 W.

Chains.	
	¼ S 4 B T.
	A pine,15 ins.diam., bears S.62°W.,8 lks.dist.,marked
	¼ S 9 B T.
79.94	The cor.of secs.4-5-8 and 9 .
	Land,mountainous.
	Soil,rocky;third rate.
	Timber,pine.
	Mountainous land on 79.94 chs.
	N.0°03'W.on a random line bet.secs.4 and 5.
40.00	Set temp.¼ sec.cor.
86.92	Intersect N.bdy.of the Tp.,3 lks.W.of the cor.of secs. 4-5-32 and 33,heretofore described.
	Thence I run
	S.0° 02'E.on a true line
	Bet.secs.4 and 5.
	Over rocky land,descend abruptly through heavy pine timber.
43.00	Creek,15 lks.wide,10 ins.deep,in bottom of ravine,200 ft.deep,course E.
	Begin abrupt ascent.
46.92	Set a trachyte stone,22x12x6 ins.,16 ins.in the ground, for ¼ sec.cor.,marked ¼ on W.face;from which
	A pine,8 ins.diam.,bears S.59°E.,20 lks.dist.,marked
	¼ S 4 B T.
	A pine,12 ins.diam.,bears S.76°W.,35 lks.dist.,marked
	¼ S 5 B T.
56.75	Top of ridge bears E.and W.
	Begin abrupt descent.
73.00	Bottom of ravine,150 ft.deep,course E.
	Begin abrupt ascent.
86.92	The cor.of secs.4-5-8-9.
	Land mountainous.

SUBDIVISIONS OF T.2 N.,R.6 W.

CHAINS	
	Soil,rocky,3rd.rate.
	Timber,pine,
	Mountainous land and heavily timbered on 86.92 chs.
	On the south boundary of the township,
	At the cor.of secs. 31 and 32,which is a trachyte stone,
	10x7x7 ins.above ground,marked as described by Harvey D.
	Heist,D.S.,under contract No.266;I observe Polaris in
	accordance with Manual of Instructions,and mark the line,
	thus determined,by a tack driven in a wooden peg,set in
	the ground,5.00 chs.N.of the cor.
	Time of observation,Oct.22,1903---- 8h.0m.
	From table V.,U.C., Oct.15, 11h.51.2m.
	Reduction to Oct.22, 27.5m.11h.23.7m.
	Time elapsed since preceding culmination 3h.24m.
	From table VII,corresponding azimuth is 74'
	October 22,1903.
	October 23:,I lay off the meridian 1°18' to the west of
	the line of observation of Polaris,and run
	N.0°04'W.,bet.secs.31 and 32.
	Over level land in Rock Creek Canon,through dense willow
	brush,scattering aspen,pine and cottonwood timber.
18.75	Rock Creek,50 lks.wide,course S.E.
37.00	Leave bottom of canon,bears N.W.and S.E.
	Begin abrupt ascent over rocky land through dense oak
	and artemisia.Leave willows and timber.
40.00	Set a trachyte stone,30x8x4 ins.,15 ins.in the ground,for
	¼ sec.cor.,marked ¼ on W.face,and raise a mound of stone,
	2 ft.base,1½ ft.high,W.of cor.Pits impracticable.
79.50	Enter heavy aspen timber,bears E.and W.
80.00	Set a sandstone,30x8x5 ins.,15 ins.in the ground for cor.
	of secs.29-30-31 and 32,marked with 1 notch on S.and 5 notch
	es on E.edges,from which
	An aspen,3 ins.diam.,bears N.5°E.,33 lks.dist.,
	marked T 2 N R 6 W S 29 B T.
	An aspen,4 ins.diam.,bears S.53°E.,27 lks.dist.,

SUBDIVISIONS OF T.2 N.,R.6 W.

CHAINS	
	marked T 2 N R 6 W S 32 B T.
	An aspen,4 ins.diam.,bears S.34°W.,20 lks.dist.,
	marked T 2 N R 6 W S 31 B T.
	An aspen,3 ins.diam.,bears N.20°W.,33 lks.dist.,
	marked T 2 N R 6 W S 30 B T.
	This cor.is set 500 ft.above Rock Creek Canon.
	Land,mountainous.
	Soil,rocky,3rd.rate.
	Timber,aspen,pine and cottonwoods.
	Mountainous land,dense undergrowth or heavily timbered on 80.00 chs.
	S.89°55'E.,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,3 lks.N.of the cor.of secs. 28-29-32 and 33.
	Thence I run
	N.89°54'W.,on a true line,
	Bet.secs.29 and 32.
	Descend abruptly through heavy pine and aspen timber.
34.00	Bottom of canon,800 ft.deep,course S.Begin abrupt ascent.
	Leave timber,bears N.and S.
40.09	Set a sandstone,18x12x6 ins.,12 ins.in the ground,for $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on N.face,and raise a mound of stone, 2 ft.base,$1\frac{1}{2}$ ft.high,N.of cor.Pits impracticable.
43.00	Top of rocky ridge,bears N.and S.Begin abrupt descent.
80.18	The cor.of secs,29-30-31 and 32.
	Land,mountainous.
	Soil,rocky,3rd.rate.
	Timber,aspen and pine.
	Mountainous land and heavily timbered on 80.18 chs.
	October 23,1903.

SUBDIVISIONS OF T. 3 N., R. 6 W.

Chains.	
	October 24,1903.
	N.89°55'W.on a random line bet.secs.30 and 31.
40.00	Set temp.¼ sec.cor.
85.98	Intersect W.bdy.of the Tp.,3 lks.N.of the cor.of secs. 25-30-31 and 36,heretofore described.
	Thence
	S.89°56'E.on a true line
	Bet.secs.30 and 31.
	Over rocky and broken land,ascend abruptly along steep south slope through dense artemisia,oak and laurel brush.
45.98	Set a trachyte stone,18x8x8 ins.,12 ins.in the ground, for ¼ sec.cor.,marked ¼ on N.face;and raise a mound of stone,2 ft.base,1½ ft.high,N.of cor.
	Pits impracticable.
85.70	Enter heavy aspen timber,bearing N.W.and S.E.
85.98	The cor.of secs.29-30-31 and 32.
	This cor.is 800 ft.above cor.of secs.25-30-31 and 36.
	Land,mountainous.
	Soil,rocky;third rate.
	Timber,aspen.
	Mountainous or heavily timbered land or dense under-growth on 85.98 chs.
	N.0°04'W.bet.secs.29 and 30.
	Ascend abruptly over rocky land,through heavy aspen and pine timber.
40.00	Set a sandstone,36x8x4 ins.,27 ins.in the ground,for ¼ sec.cor.,marked ¼ on W.face;from which
	An aspen,5 ins.diam.,bears N.89°E.,37 lks.dist.,marked

SUBDIVISIONS OF T. 2 N., R. 6 W.

	¼ S 29 B T.
	An aspen,4 ins.diam.,bears N.49°W.,38 lks.dist.,marked
	¼ S 30 B T.
80.00	Set a sandstone,18x12x4 ins.,12 ins.in the ground,for cor.of secs.19-20-29 and 30,marked with 2 notches on the S.and 5 notches on the E.edge;from which
	A pine,15 ins.diam.,bears N.87°E.,27 lks.dist.,marked
	T 2 N R 6 W S 20 B T.
	A pine,15 ins.diam.,bears S.32°E.,3 lks.dist.,marked
	T 2 N R 6 W S 29 B T.
	A pine,12 ins.diam.,bears S.41°W.,25 lks.dist.,marked
	T 2 N R 6 W S 30 B T.
	An aspen,15 ins.diam.,bears N.48°W.,26 lks.dist.,marked
	T 2 N R 6 W S 19 B T.
	This cor.is set 800 ft.above cor.of secs.29-30-31 and 32.
	Land,mountainous.
	Soil,rocky;third rate.
	Timber,aspen and pine.
	Mountainous and heavily timbered land on 80.00 chs.
	S.29°54'E.on a random line bet.sec.20 and 29.
40.00	Set temp.¼ sec.cor.
80.10	Intersect N. and S. line,5 lks.S.of the cor.of secs. 20-21-28 and 29.
	Thence I run
	N.29°56'W.on a true line
	Bet.secs.20 and 29.
	Descend through heavy pine timber.
17.00	Head of hollow,course S.
	Ascend.
22.25	Top of spur projects S.
	Begin abrupt descent.
39.00	Bottom of canon,500 ft.deep,course S.E.

Chains.

Begin abrupt ascent.

40.05 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 pine,8 ins.diam.,bears N.42°E.,3.1ks.dist.,marked $\frac{1}{4}$ S 20 B T.

A pine,8 ins.diam.,bears S.2°E.,24 lks.dist.,marked $\frac{1}{4}$ S 29 B T.

67.00 Top of ridge bears N.W.and S.E.

Begin abrupt descent.

80.10 The cor.of secs.19-20-29 and 30.

Land,mountainous.

Soil,rocky;third rate.
Timber,pine.
Mountainous and heavily timbered land on 80.10 chs.

October 24,1903.

October 25,1903.

N.89°56'W.on a random line bet'secs.19 and 30.

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

85.83 Intersect W.bdy.of the Tp.,7 lks.S.of the cor.of secs. 19-24-25 and 30.,heretofore described.

Thence

S.89°53'E.on a true line

Bet.secs.19 and 30.

Over rocky land ascend abruptly through scattering pine and aspen timber.

45.83 Set a sandstone,18x14x6 ins.,12 ins.in the ground, for $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on N.face;and raise a mound of stone,2 ft.base,1$\frac{1}{2}$ ft.high,N.of cor.

Pits impracticable.

85.83 The cor.of secs.19-20-29 and 30.

Land,mountainous.

Soil,rocky;third rate.

SUBDIVISIONS OF T.2 N., R.6 W.

Chains.	
	Timber, aspen and pine.
	Mountainous land on 85.83 chs.
	N.0° 04'W. bet. secs. 19 and 20.
	Over rocky land ascend abruptly through heavy pine timber.
7.50	Top of ridge, 300 ft. above sec. cor., bears N.W. and S.E.
	Begin abrupt descent.
24.25	Bottom of ravine, 200 ft. deep, course S.E.
	Begin abrupt ascent.
37.00	Top of ridge bears N.W. and S.E.
	Begin abrupt descent.
40.00	Set a sandstone, 18x12x4 ins., 12 ins. in the ground, for ¼ sec. cor., marked ¼ on W. face; from which
	A pine, 15 ins. diam., bears N.8°E., 45 lks. dist., marked ¼ S 20 B T.
	A pine, 15 ins. diam., bears N.78°W., 5 lks. dist., marked ¼ S 19 B T.
71.00	Leave heavy timber, bearing N.W. and S.E.
80.00	Set a limestone, 18x12x4 ins., 12 ins. in the ground, for cor. of secs. 17-18-19 and 20, marked with 3 notches on the S. and 5 notches on the E. edge; and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
	Pits impracticable.
	Land, mountainous.
	Soil, rocky; third rate.
	Timber, pine.
	Mountainous or heavily timbered land on 80.00 chs.
	S.89°56'E. on a random line bet. secs. 17 and 20.
40.00	Set temp. ¼ sec. cor.
79.92	Intersect N. and S. line, 3 lks. S. of the cor. of secs. 16-17-20 and 21.

SUBDIVISIONS OF T. 2 N., R. 6 W.

Chains.	
	Thence I run
	N.89°57'W.on a true line
	Bet.secs.17 and 20.
	Ascend abruptly through heavy pine timber.
27.00	Top of spur projects N.
	Leave heavy pine timber,bearing N.and S.
	Enter scattering pine.
	Descend.
39.96	Set a trachyte stone,16x12x4 ins.,11 ins.in the ground for ¼ sec.cor.,marked ¼ on N.face;and raise a mound of stone,2 ft.base,1½ ft.high,N.of cor.
	Pits impracticable.
53.00	Head of hollow,course N.E.
	Ascend.
64.00	Enter heavy pine timber,bearing N.and S.
67.25	Top of ridge bears N.W.and S.E.
	Begin abrupt descent.
77.00	Leave timber,bearing N.W.and S.E.
79.85	Bottom of canon,200 ft.deep,course S.E.
79.92	The cor.of secs.17-18-19 and 20.
	Land,mountainous.
	Soil,rocky;third rate.
	Timber,pine.
	Mountainous or heavily timbered land on 79.92 chs.
	October 25, ,1903.

	D.
	October 26,1903.
	N.89°53'W.on a random line bet.secs.18 and 19.
40.00	Set temp.¼ sec.cor.
85.79	Intersect W.bdy.of the Tp.,9 lks.N.of the cor.of secs. 13-18-19 and 24,heretofore described.

SUBDIVISIONS OF T. 2 N. R. 6 W.

Chains.	
	Thence I run
	S.89°57'E.on a true line
	Bet.secs.18 and 19.
	Begin abrupt descent over rocky land through heavy aspen
	and pine timber.
1.35	Bottom of ravine,200 ft.deep,course S.W.
	Begin abrupt ascent.
45.79	Top of ridge,800 ft.above sec.cor.,bears N.W.and S.E.
	Set a limestone,18x9x5 ins.,12 ins.in the ground,
	for ¼ sec.cor.,marked ¼ on N.face;from which
	A pine,5 ins.diam.,bears N.78°E.,73 lks.dist.,
	marked ¼ S 18 B T.
	A pine,5 ins.diam.,bears S.85°W.,16 lks.dist.,
	marked ¼ S 19 B T.
	Begin abrupt descent.
83.00	Leave heavy timber,bearing N.W.and S.E.
85.79	The cor.of secs.17-18-19 and 20.
	Land,mountainous.
	Soil,rocky;third rate.
	Timber,aspen and pine.
	Mountainous or heavily timbered land on 85.79 chs.
	N.0° 04'W.bet.secs.17 and 18.
	Descend.
0.25	Bottom of canon,200 ft.deep,course S.E.
	Ascend.
7.00	Enter heavy pine timber,bearing N.W.and S.E.
27.65	Top of ridge bears N.W.and S.E.
	Leave timber,bearing N.W.and S.E.
	Begin abrupt descent.
33.50	Head of hollow,course S.E.
	Ascend.

SUBDIVISIONS OF T. 2 N., R. 6 W.

Chains.	
38.00	Enter scattering pine timber.
40.00	Set a limestone,16x8x8 ins.,11 ins.in the ground, for ¼ sec.cor.,marked ¼ on W.face;from which
	A pine,5 ins.diam.,bears S.67°E.,1.14 chs.dist., marked ¼ S17 B T.
	A pine,8 ins.diam.,bears N.66°W.,1.75 chs.dist., marked ¼ S 18 B T.
57.00	Top of spur projects E.
	Begin abrupt descent.
70.50	Bottom of hollow,100 ft.deep,course S.E.
	Ascend.
80.00	Set a limestone,18x10x4 ins.,12 ins.in the ground, for cor.of secs.7-8-17-18,marked with 4 notches on the S.and 5 notches on the E.edge;from which
	A pine,7 ins.diam.,bears N.9°E.,60 lks.dist., marked T 2 N R 6 W S 8 B T.
	A pine,15 ins.diam.,bears S.31°E.,160 lks.dist., marked T 2 N R 6 W S 17 B T.
	A pine,15 ins.diam.,bears S.15°W.,1.47 chs.dist., marked T 2 N R 6 W S 18 B T.
	A pine,18 ins.diam.,bears N.77°W.,34 lks.dist., marked T 2 N R 6 W S 7 B T.
	Land,mountainous.
	Soil,rocky;third rate.
	Timber,pine,
	Mountainous or heavily timbered land on 80.00 chs.

	S.89°57'E.on a random line,bet.secs.8 and 17.
40.00	Set temp.¼ sec.cor.
79.94	Intersect N.and S.line,7 lks.N.of the cor.of secs. 8-9-16 and 17.
	Thence I run
	N.89°54'W.on a true line
	Bet,secs.8 and 17.
	Over rocky land,descend abruptly through heavy pine

SUBDIVISIONS OF T 2 N R 6 W

Chains.	
	timber.
12.00	Bottom of canon,250 ft.deep,course S.E.
	Begin abrupt ascent.
39.97.	Set a trachyte stone,18x10x5 ins.,12 ins.in the ground for $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on N.face;from which
	A pine,8 ins.diam.,bears N.56°E.,16 lks.dist., marked $\frac{1}{4}$ S 8 B T.
	A pine,6 ins.diam.,bears S.44°W.,21 lks.dist., marked $\frac{1}{4}$ S 17 B T.
56.00	Leave heavy timber,bearing N.and S.
	Enter scattering pine timber.
60.00	Top of ridge,bears N.W.and S.E.
	Begin abrupt descent.
74.00	Head of canon,course S.E.
	Ascend.
79.94	The cor.of secs.7-8-17 and 18.
	Land,mountainous.
	Soil,rocky;third rate.
	Timber,pine.
	Mountainous or heavily timbered land on 79.94 chs.
	October 26 ,1903.

October 27,1903.

N.89°57'W.on a random line bet.secs.7 and 18.

40.00	Set temp.$\frac{1}{4}$ sec.cor.
85.45	Intersect W.bdy.of the Tp.,14 lks.S.of the cor.of secs.7-12-13-18,heretofore described.

Thence

S.89°51'E.on a true line

Bet.secs.7 and 18.

Descend abruptly over rocky land through scattering

SUBDIVISIONS OF T. 2 N., R. 6 W.

Chains.	
	pine timber.
18.00	Head of canon, course S.W.
	Begin abrupt ascent.
34.00	Leave timber.
45.45	Set a trachyte stone, 24x12x4 ins., 18 ins. in the ground, for ¼ sec.cor., marked ¼ on N.face; and raise a mound of stone, 2 ft.base, 1½ ft.high N.of cor.
	Pits impracticable.
50.00	Top of ridge bears N.and S.
	From this point,
	Top of Carbon Peak, altitude 11,000 ft., bears S., 14.35 chs.
	Begin abrupt descent.
79.00	Enter scattering pine timber.
85.45	The cor.of secs.7-8-17 and 18
	Land mountainous.
	Soil, rocky; third rate.
	Timber, pine.
	Mountainous land on 85.45 chs.

N.0° 04'W.bet.secs.7 and 8.

	Ascend over rocky land through scattering pine timber,
1.50	Leave pine timber.
18.00	Top of divide bet.West.Fork of.Lake Fork and Rock Creek Canons, bears N.W.and S.E. Begin abrupt descent over trachyte boulders.
40.00	Point for ¼ sec.cor., falls on a trachyte boulder, 6x3x3 ft.above ground;
	Cut a cross (+) at exact corner point, marked ¼ on W. side of cross; and raise a mound of stone, 2 ft.base, 1½ ft.high W.of cor.
	Pits impracticable.
58.00	Spring branch, 2 lks.wide, in bottom of canon, 800 ft.below top of ridge, course E.
	Ascend.
	Enter heavy pine timber, bearing E.and W.

Chains.

80.00 Set a trachyte stone,20x12x8 ins.,15 ins.in the ground, for cor.of secs.5-6-7-8,marked with 5 notches on the S. and E.edges;from which

A pine,18 ins.diam.,bears N.9°E.,22 lks.dist.,
marked T 2 N R 6 W S 5 B T.

A pine,12 ins.diam.,bears S.79°E.,29 lks.dist.,
marked T 2 N R 6 W S 8 B T.

A pine,15 ins.diam.,bears S.41°W.,50 lks.dist.,
marked T 2 N R 6 W S 7 B T.

A pine,15 ins.diam.,bears N.49°W., 2 lks.dist.,
marked T 2 N R 6 W S 6 B T.

Land ,mountainous.

Soil,rocky;third rate.

Timber,pine

Mountainous or heavily timbered land on 80.00 chs.

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

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

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

Thence I run

N.89°52'W.on a true line

Bet.secs.5 and 8.

Over rocky land ascend through heavy pine timber

24.00 Top of ridge bears N.W.and S.E.

Descend.

27.00 Ascend.

39.94 Set a trachyte stone,18x10x6 ins.,12 ins.in the ground, for $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on N.face;from which

A pine,12 ins.diam.,bears N.72°W.,8 lks.dist.,
marked $\frac{1}{4}$ S 5 B T,

A pine,12 ins.diam.,bears S.46°E.,18 lks.dist.,

Chains

marked ¼ S B B T .

79.88 The cor.of secs.5-6-7-8.

Land mountainous.

Soil rocky; third rate.

Timber pine.

Mountainous and heavily timbered land on 79.88 chs.

October 27, 1903.

October 28, 1903.

N.89°51'W.on a random line bet.secs.6 and 7,

18.85 To east side of lake.

Point for triangulation.

To determine distance across lake, I set a flag on line on W.side of lake; then measure a base line N.0° 07'E., 12.00 chs. to a point, whence the flag bears S. 40°45'W. By computing the oblique triangle formed by this bearing, the base and the section line, the distance across the lake is found to be 10.39 chs., which added to 18.85 chs. makes

29.14 To west side of lake.

40.00 Set temp.¼ sec.cor.

85.21 Intersect W.bdy.of the Tp. 3 lks.N.of the cor.of secs. 1,6,7,12, heretofore described.

Thence I run

S.89°52'E.on a true line bet.secs.6 and 7,

Over steep N.slope; descend gradually over trachyte boulders.

16.00 Head of hollow, course NE.

Ascend through timber.

20.50 Top of ridge bears NE. and SW.

Begin abrupt descent.

45.21 Set a trachyte stone 18x8x8 ins.12 ins.in the ground, for ¼ sec.cor., marked ¼ on N.face; from which

SUBDIVISIONS OF T. 2 N. R 6 W

Chains.	
	A pine 15 ins.diam.bears N.82°E. 10 lks.dist. marked $\frac{1}{4}$ S 6 B T
	A pine 8 ins.diam.bears S.54°E. 14 lks.dist. marked $\frac{1}{4}$ S 7 B T
56.06	West side of lake bears N.W.and S.E.
66.36	East side of lake bears N.W.and S.E.
	Ascend.
	Note: Lake runs NW., 5 chs. and S.E. about 15.00 chs.; area about 8 acres.
70.00	Top of spur projects S.
	Descend.
85.21	The cor.of secs.5,6,7,8.
	Land mountainous.
	Soil rocky; third rate.
	Timber pine.
	Mountainous or heavily timbered land on 85.21 chs.

N.0°04'W.on a random line bet.secs.5 and 6

14.55	To south side of the lake.
	Point for triangulation.
	To determine dist.across lake I set a flag on line on N.side of lake; then measure a base line S.89°56'W. 10.00 chs.to a point, whence the flag bears N.40°27'E.; from the flag the W.end of the base bears S.40°27'W.; therefore the dist.is tan.49°29'x base or 1.1701 x 10.00 = 11.70 chs., which added to 14.55 chs. makes
26.25	To N.side of lake.
40.00	Set temp.$\frac{1}{4}$ sec.cor.
54.05	To south side of lake.
	To pass the lake I offset N.89°56'E. 3.00 chs.; then on offset line N.0°04'W. a dist.of 4.20 chs.; then S.89°56'W., 3.00 chs.to true line.

SUBDIVISIONS OF T.2 N., R. 6 W.

Chains.	
58.25	To N.side of lake.
86.96	Intersect N.bdy.of the Tp.,5 lks.E.of the cor.of secs. 5-6-31 and 32,heretofore described.
	Thence I run
	S.0°06'E.on a true line
	Bet.secs.5 and 6.
	Over rocky land ascend through heavy pine timber.
12.75	Top of ridge bears N.W.and S.E.
	Descend.
28.70	To north side of lake,bearing N.W.and S.E.
32.90	To south side of lake,bearing,~~bearing~~ E.and W.
	Note:-Lake runs E.,about 3.00 chs.;and W.,about 15.00 chs.;area,about 11 acres.
	Ascend.
37.00	Top of spur projects E.
	Descend.
46.96	Set a trachyte stone,18x10x5 ins.,12 ins.in the ground, for ¼ sec.cor.,marked ¼ on W.face;from which
	A pine,10 ins.diam.,bears N.34°W.,39 lks.dist., marked ¼ S 6 B T.
	A pine,18 ins.diam.,bears S.39°E.,20 lks.dist., marked ¼ S 5 B T.
56.50	Creek,20 lks.wide,4 ins.deep,course S.W.
60.70	To north side of lake,bearing N.E.and S.W.
72.70	To south end of lake,bearing E.and W. Ascend.
	Note:-Lake runs W.,about 8.00 chs.;and E.,about 20.00 chs.;Area,about 24 acres.
81.00	East end of pond,runs 1 ch.N.and S.;and 6.00 chs. E.and W.
85.50	Top of ridge bears E.and W.
	Descend.
86.96	The cor.of secs.5-6-7-8.
	Land mountainous.
	Soil rocky third rate.
	Timber,pine.
	Mountainous and heavily timbered land on 86.96 chs.

SUBDIVISIONS OF T. 2 N., R. 6 W.

Chains.

October 28,1903, [illegible]

October 29,1903.

MEANDERS,T.2 N.,R.6 W.

Meanders of the west end of the lake in sec.13.

I commence at the meander cor.to fracl.secs.13 and 18.

heretofore described,on the E.bdy.of the Tp.

Thence I run with meanders in sec.13.

Along gravelly beach.

West, - 9.00 chs.

N.46°30'W. 15.00 "

N.85°W. - 5.00 " ,at 15 lks.a creek 15 lks.wide,flows north into lake.

N.70°W. - 3.70 "

N.10°W. - 5.00 " ,at beginning of course,enter heavy pine timber,bank steep and rocky.

N.16°W. - 1.60 ",to meander cor.of fracl.secs.12 and 13 heretofore described.

Land level.

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

Heavy timber, pine 6.00 chs.

Meanders of the north end of the lake in sec.13.

I commence at the meander cor.of fraclsecs.12 and 13,

heretofore described,and run with

meanders in sec.12.

Along steep rocky beach,through heavy pine timber,over

lava boulders.

N.16°W. - 10.00 chs.

N.9° W. - 7.00 "

N.1° W. - 12.00 "

N.5° W. - 5.00 "

N.14°W. - 9.00 "

N.25°W. - 2.00 "

N.10°E. - 4.00 "

N.18°E. - 16.00 "

MEANDERS,T.2 N.,R.6 W.

N.71°E. - 18.00 chs.,at 6.60,west side of West Fork of Lake Fork Creek.
at 6.80 chs.east side of creek, course S.E.

East - 8.50 "

South - 3.00 "

S.12°E. - 5.00 "

S.22°E. - 4.00 "

S.9° W. - 10.00 "

S.17°W. - 6.00 "

S.36°W. - 3.00 "

South - 12.00 "

S.15°E. - 3.00 "

S.16°W. - 7.00 "

S.36°E. - 6.00 "

S.51°E. - 7.00 "

S.6° E. - 10.00 ",to cor.of secs.7 and 18,T.2 N.,R.5 W., heretofore described.

2-19-30

South - 2.80 ",to meander cor.of fracl.secs.12 and 18,heretofore described,on the E.bdy. of the township.

Land,broken.

Soil,lava boulders.

Heavy timber, pine on 179.30 chs.

October 30,1903.

GENERAL DESCRIPTION OF T.2 N.,R.6 W.

This township is situated on the south slope of the Uintah Mountains,and is mountainous throughout,the surface being broken by many deep ravines and canons.

The soil is generally rocky with the exception of the bottoms along West Fork of Lake Fork and Rock creeks, where the land is a sandy loam,capable of producing crops without irrigation.

A heavy growth of pine timber is found in the northern portion of the township,while the balance of the township is covered with scattering groves of heavy pine and aspen timber,dense undergrowth and nutritious grasses making this an excellent range.

GENERAL DESCRIPTION OF T.2 N.,R.6 W.

The highest point in this township is Carbon Peak, in sec. 18, elevation above sea level, 11,000 ft.

The township is watered by West Fork of Lake Fork Creek in the N.E. portion, Rock Creek in the S.W. portion, a stream draining a number of small lakes in secs. 5-6 and 7, and by numerous springs along the devide between West Fork of Lake Fork and Rock Creek Canons.

The west end of a large lake in the bottom of West Fork of Lake Fork Canon, is included in this township, covering part of secs. 12 and 13.

This lake is about 2 miles long, and at its greatest width about 40.00 chs., the water is clear and pure, and is said to exceed 500 ft. in depth.

There is no mineral found in this township.

There are no settlers in this township.

James F. Fullen

U.S. Deputy Surveyor.

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by James F.Trotter United States Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the survey of the Subdivision of Township No.2 North,Range No.6 West of the Uintah Special Base and Meridian,Utah, showing the respective capacities in which they acted:

Leith Morrison, *Chainman.*

Jay Morrison, *Chainman.*

W.I.Rowland, *Moundman.*

, *Moundman.*

John Graham, *Axman.*

J.S.Dull, *Axman.*

M.Brown, *Flagman.*

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted James F.Trotter United States Deputy Surveyor, in surveying all those parts or portions of the subdivision lines of Township No.2 North,Range No. 6 West of the Uintah Special Base and meridian, State of Utah, which are represented in the foregoing field notes as having been surveyed by him and under his direction; and that said survey has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the corner monuments established, according to the instructions furnished by the United States Surveyor General for Utah.

Leith Morrison, *Chainman.*

Jay Morrison, *Chainman.*

W. I. Rowland, *Moundman.*

, *Moundman.*

John Graham, *Axman.*

J. S. Dull, *Axman.*

M. Brown, *Flagman.*

Subscribed and sworn to before me this 30th day of October 1903 189

SEAL

James F. Trotter
U. S. Deputy Surveyor

4-161

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, James F. Trotter, United States Deputy Surveyor, solemnly swear that, in pursuance of a contract received from Edward H. Anderson United States Surveyor General for the District of Utah, bearing date of the 22nd day of July, 1903, ~~189~~X, I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for Utah, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of the subdivisional lines of Township No. 2 North, Range No. 6 West of

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

James F. Trotter
United States Deputy Surveyor.

Subscribed by said James F. Trotter and sworn to before me this 10th day of June, ~~189~~1904

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

SEAL

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, June 30 1904, ~~189~~

The foregoing field notes of the survey of the subdivisional lines of Township 2 North Range 6 West of the Uintah Special Base & Meridian, Utah

executed by James F. Trotter under his contract No. 273, dated July 22 1903, ~~189~~, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Edward H. Anderson
United States Surveyor General.

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

United States Surveyor General.

6—151

BLANK

PAGE

BLANK

PAGE

g.N.

notes

4—679.

C.

BOOK A-310

FILED

MAY 23 1904

L.H.

FIELD NOTES

OF THE SURVEY OF THE

WEST and NORTH BOUNDARIES

OF

TOWNSHIP NO.3 NORTH

RANGE NO. 5 WEST

Of the UINTAH SPECIAL BASE AND *Meridian,*

IN THE STATE OF UTAH

AS SURVEYED BY

James F.Trotter, *United States Deputy Surveyor,*

Under his Contract No. 273, *dated* July 22,1903.

Survey commenced September 18,1903

Survey completed September 22,1903.

6—151

W [illegible] 6.00 00 ✓

N " [illegible] 5.74 46 ✓

NAMES AND DUTIES OF ASSISTANTS.

Leith Morrison	Chainman
Jay Morrison	Chainman.
W.I.Rowland,	Moundman.
John Graham,	Axman.
J.S.Dull	Axman.
M.Brown	Flagman.

BOOK A-310

INDEX DIAGRAM.

NORTH AND WEST BOUNDARIES

Township 3 NORTH, *Range* 5 WEST

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

Meanders Page

6—151

PRELIMINARY OATHS OF ASSISTANTS.

WE, Leith Morrison and Jay Morrison do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level th chain over even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; th we will report the true distances to all notable objects, and the true lengths of all lines that we assist measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey the north and west boundaries of Township No.3 N.Range No.5 W.of the Uintah Special Base and Meridian,Utah.

Leith Morrison, Chainma

Jay Morrison, Chain

Subscribed and sworn to before me this 18th day of September 1903, ~~189~~

James F. Trotter
U.S. Deputy Survey

SEAL

~~WE,~~ I, W. I. Rowland ~~and~~ do solemnly swear that ~~we~~ I will well and truly perform the duties of moundmen in the establishme of corners, according to the instructions given ~~us~~ me to the best of ~~our~~ my skill and ability, in the survey the North and west boundaries of Township No.3 North Range No.5 West of the Uintah Special Base and Meridian,Utah.

W. I. Rowland, Moundma

, Moundma

Subscribed and sworn to before me this 18th day of Sept 1903, ~~189~~

James F. Trotter
U.S. Deputy Surveyor

SEAL

WE, John Graham and J. S. Dull do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corn and other duties, according to instructions given us, to the best of our skill and ability, in the survey the north and west boundaries of Township No.3 North,Range No.5 West of the Uintah Special Base and Meridian,Utah.

John Graham, Axma

J. S. Dull, Axma

Subscribed and sworn to before me this 18th day of Sept. 1903, 189

James F. Trotter
U.S. Deputy S.

SEAL

I, M. Brown, do solemnly swear that I will well and tru perform the duties of flagman according to instructions given me, to the best of my skill and ability, in survey of the north and west boundaries of Township No.3 North,Range No 5 West of the Uintah Special Base and Meridian,Utah.

M. Brown, Flagma

Subscribed and sworn to before me this 18th day of Sept. 1903, 189

James F. Trotter
U.S. Deputy Surve

SEAL

6—151

WEST BOUNDARY 5 W

CHAINS. Survey commenced September 18th,1903,and executed with a W.& L.E.Gurley light mountain transit,No. .The horizontal limb is provided with two double verniers placed opposite to each other reading to single minutes of arc.

The instrument was examined,tested on the true meridian at Salt Lake City,found correct,and was approved by the Surveyor General for Utah August 22,1903.

At the cor.of Tps.2 and 3 N.Rs.5 and 6 W.,lat.40°37'N. long.110°32'W.,which is a sandstone 9 x 10 x 8 ins.above ground,marked and witnessed as described by J.C.Dick and Austin K.Tierman under their contract No.272,at 7h. 42 m.p.m.l.m.t.I observe Polaris at eastern elongation in accordance with instructions in the Manual,and mark the line thus determined by a tack driven in a wooden peg set in the ground 5 chains north of my station.

Sept.18,1903.

Sept.19,1903,at 7 a.m.l.m.t.I lay off the azimuth of Polaris 1°36'to the west and mark the meridian thus determined by cutting a mark on a stone firmly set in the ground west of the mark established last night;the magnetic bearing of said true meridian is N.16°20'W.,which gives the magnetic declination 16°20'E.

Thence I run

North bet.secs.31 and 36

Over mountainous land,through scattering pines;ascending.

26.00 Enter slide rock,bears E.and W.

38.00 Top of ascent;thence descend.

40.00 Set a sandstone 14x12x8 ins.9 ins.in the ground for $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on W.face;from which

A pine 10 ins.diam.bears N.25°E.85 lks.dist., marked $\frac{1}{4}$ S 31 B T

WEST BOUNDARY T.3 N : 5 W

CHAINS.	
	A pine 6 ins.diam.bears N.36°W.23 lks.dist. marked ¼ S 36 B T
49.00	Leave timber,bears E.and W.
	Foot of descent bears E.and W.
80.00	Set a sandstone 15x8x6 ins.10 ins.in the ground for cor. of secs.25,30,31 and 36,marked with 1 notch on the S.and 5 notches on N.edges;raised a mound of stones 2 ft. base 1½ ft.high W.of cor.
	Pits impracticable.
	Land mountainous.
	Soil rocky;4th rate.
	Timber scattering pine,49.00 chs.
	Mountainous land 80.00 chs.
	North bet.secs.25 and 30
	Ascending gradually over mountainous land.
6.00	Enter pine timber bears E.and W.
	Top of ascent.
36.00	Begin gradual ascent.
40.00	Set a sandstone 16x14x7 ins.11 ins.in the ground for ¼ sec.cor.,marked ¼ on W.face;from which
	A pine 7 ins.diam.bears S.36°45'E.32 lks.dist. marked ¼ S 30 B T
	A pine 5 ins.diam.bears N.81°15'W.56 lks.dist. marked ¼ S 25 B T
55.00	Begin steep descent.
70.00	Continue steep descent;enter slide rock,bears E.and W.
	Leave timber.
71.00	Bottom of gulch drains westerly;ascend.
80.00	Set a sandstone 16x13x9 ins.11 ins.in the ground,for cor.of secs.19,24,25,and 30,marked with 2 notches on S., 4 notches on N.edges;and raise a mound of stones 2 ft. base 1½ ft.high W.of cor.Pits impracticable.

WEST BOUNDARY T.3 N.R.5 W.

CHAINS.

Land mountainous.

Soil rocky;4th rate.

Timber pine 64.00 chs.

Mountainous land 80.00 chs.

North bet.secs.19 and 24

Over mountainous land,ascending.

9.00 Top of ridge bears E.and W.

Thence over slide rock.

30.00 North side of ridge bears E.and W.;descend.

40.00 Set a sandstone 14x12x7 ins.9 ins.in the ground,for $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on W.face;raised a mound of stones 2 ft.base $1\frac{1}{2}$ ft.high W.of cor.

Pits impracticable.

50.00 Commence steep descent bears E.and W.

65.00 Bottom of steep descent.

Descend gradually through scattering pine timber bears E.and W.

80.00 Set a sandstone 16x14x8 ins.11 ins.in the ground for cor.of secs.13,18,19,and 24,marked with 3 notches on S. and N.edges;from which

A pine 14 ins.diam.bears S.30°W.35 lks.dist.

marked T 3 N R 6 W S 24 B T

A pine 6 ins.diam.bears S.55°E.31 lks.dist.

marked T 3 N R 5 W S 19 B T

A pine 7 ins.diam.bears N.10°E.8 lks.dist.

marked T 3 N R 5 W S 18 B T

A pine 9 ins.diam.bears N.45°W.41 lks.dist.

marked T 3 N R 6 W S 13 B T

Land mountainous.

Soil rocky;4th rate.

Timber scattering pine 15.00 chs.

Mountainous land 80.00 chs.

Sept.19,1903.

WEST BOUNDARY T.3 N.R.5 W.

CHAINS.	September 20,1903.
	North bet.secs.13 and 18
	Through scattering pine timber,over large boulders; descend abruptly.
35.00	Bottom of gulch drains westerly.
	Ascend abruptly;
	Leave timber.
40.00	Set a sandstone 12x12x8 ins.8 ins.in the ground for ¼ sec.cor.,marked ¼ on W.face;and raise a mound of stones 2 ft.base 1½ ft.high W.of cor.
	Pits impracticable.
50.00	Top of steep ascent;begin gradual ascent.
64.00	Top of ridge bears E.and W.
80.00	Set a sandstone 24x12x10 ins.18 ins.in the ground for cor.of secs.7,12,13.and 18;marked with 4 notches on S. and 2 notches on N.edges;raised a mound of stones 2 ft. base 1½ ft.high W.of cor.
	Pits impracticable.
	Land mountainous.
	Soil rocky;4th rate.
	Timber scattering pine 35.00 chs.
	Mountainous land,80.00 chs.
	North bet.secs.7 and 12,
	Ascend gradually over very rocky land.
22.00	North side of ridge bears E.and W.
	Descend gradually over large boulders.
40.00	Set a sandstone 20x14x6 ins.15 ins.in the ground for ¼ sec.cor.,marked ¼ on W.face;raised a mound of stones 2 ft.base 1½ ft.high W.of cor.Pits impracticable.
47.00	Cliff 200 ft.high bears E.and W.;descend abruptly.
50.00	Cliff 175 ft.high;continue descent.
80.00	Set a sandstone 20x8x4 ins.15 ins.in the ground for cor. of secs.1,6,7,and 12,marked with 5 notches on S.,and 1

WEST BOUNDARY T.3 N.R.5 W.

CHAINS.

notch on N.edge;and raised a mound of stones 2 ft.base 1½ ft.high W.of cor.

Pits impracticable.

Land mountainous.

Soil rocky;4th rate.

No timber.

Mountainous land 80.00 chs.

North bet.secs.1 and 6

Descend gradually over mountainous land.

18.00 Foot of descent bears E.and W.;thence over large boulders.

40.00 Set a sandstone 30x24x12 ins.22 ins.in the ground,for ¼ sec.cor.,marked ¾ on W.face;raised a mound of stones 2 ft.base 1½ ft.high W.of cor.

Pits impracticable.

43.00 Begin steep ascent;over heavy slide rock bears E.and W.

69.40 Top of ridge bears E.and W.

75.00 Begin gradual descent bears E.and W.

80.00 Set a sandstone 30x22x12 ins.22 ins.in the ground for cor.of Tps.3 and 4 N.Rs.5 and 6 W.;marked

4 N on N.E.

5 W on S.E.

3 N on S.W.,and

6 W on N.W.face;with 6 notches on each edge;and raised a mound of stones 2 ft.base 1½ ft.high S.of cor.

Pits impracticable.

Land mountainous.

Soil rocky;4th rate.

No timber.

Mountainous land 80.00 chs.

Sept.20,1903.

NORTH BOUNDARY T.3 N.R.5 W.

CHAINS. September 21,1903:

From the point for corner of Tps.3 and 4 N.Rs.4 and 5 W. which is 4 chs.N.of the W.C.set on First Guide Meridian West through Tp.3 N.,a sandstone 8x8x4 ins.above ground, firmly set and marked and witnessed as described by Deputies Dick and Tiernan under their contract No.272, I run west on a random line along the N.bdy.of T.3 N.R. 5 W.,setting temp.$\frac{1}{4}$ sec.and sec.cors.,at intervals of 40.00 chs.,and,at 474.46 chs.intersect the west boundary of township 56 lks.S.of the cor.of Tps.3 and 4 N.Rs.5 and 6 W.,set by me,and heretofore described.

Sept.22nd,1903. Thence I run

S.89°56'E.on true line bet.secs.6 and 31

Ascending.

24.96 Top of spur projecting N.

34.46 Set a sandstone 22x10x8 ins.16 ins.in the ground for $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ onN.face;and raise a mound of stones 2 ft.base $1\frac{1}{2}$ ft.high N.of cor.

Descend abruptly over slide rock.

38.46 Foot of steep hill.

44.46 Leave slide rock;bears N.and S.;enter dense pine timber.

74.46 Set a sandstone 22x8x6 ins.16 ins.in the ground for cor. of secs.5,6,31,and 32,marked with 5 notches on E.and 1 notch on W.edge;from which

A pine 6 ins.diam.bears S.4°E.24 lks.dist. marked T 3 N R 5 W S 5 B T

A pine 10 ins.diam.bears S.65°W.14 lks.dist. marked T 3 N R 5 W S 6 B T

A pine 6 ins.diam.bears N.21°W.12 lks.dist. marked T 4 N R 5 W S 31 B T

A pine 9 ins.diam.bears N.37°E.83 lks.dist. marked T 4 N R 5 W S 32 B T

Land mountainous.

Soil rocky;4th rate.

Timber pine 30.00 chs.

NORTH BOUNDARY T.3 N.R.5 W.

CHAINS	
	Mountainous land 74.46 chs.
	S.89°56'E.bet.secs.5 and 32
	Through dense pine timber.
23.00	West edge of lake,about 6 chs.wide.
	To get distance across lake I offset S.3.00 chs.;thence I run S.89°56'E.22.70 chs.;thence N.3 chs.to N.bdy.sec. 32;
45.70	E.edge of lake.
	$\frac{1}{4}$ sec.cor.falls in lake,impossible to set;therefore at
45.80	Set a sandstone 14x8x6 ins.9 ins.in the ground for witness corner to $\frac{1}{4}$ sec.cor.,marked W C $\frac{1}{4}$ on N.face;from which
	A pine 8 ins.diam.bears N.49°E.50 lks.dist. marked W C $\frac{1}{4}$ S 32 B T.
	A pine 10 ins.diam.bears S.78°E.30 lks.dist. marked W C $\frac{1}{4}$ S 5 B T
	Ascend.
54.00	Top of ridge bears N.and S.E.
	Descend gradually through heavy timber and sandstone boulders.
80.00	Set a sandstone 24x8x8 ins.18 ins.in the ground for cor of secs.4,5,32 and 33,marked with 4 notches on E.and 2 notches on W.edge;from which
	A pine 10 ins.diam.bears N.81°E.75 lks.dist. marked T 4 N R 5 W S 33 B T
	A pine 12 ins.diam.bears N.32°W.17 lks.dist. marked T 4 N R 5 W S 32 B T
	A pine 12 ins.diam.bears S.74°E.50 lks.dist. marked T 3 N R 5 W S 4 B T
	A pine 12 ins.diam.bears S.6°W.53 lks.dist. marked T 3 N R 5 W S 5 B T
	Land mountainous.

NORTH BOUNDARY T.3 N.R.5 W.

CHAINS	
	Soil rocky;4th rate.
	Timber pine 80.00 chs.
	Mountainous land 80.00 chs.

S.89°56'E.bet.secs.4 and 33

Descending over sandstone ledges bear N.and S.

20.00 Begin gradual descent; [illegible]

40.00 Set a sandstone 14x8x6 ins.9 ins.in the ground for ¼ sec.cor.,marked ¼ on N.face;from which

A pine 9 ins.diam.bears N.1°E.12 lks.dist. marked ¼ S 33 B T

A pine 10 ins.diam.bears S.6°W.15 lks.dist. marked ¼ S 4 B T

58.50 Creek 20 lks.wide course S.E.

Enter fallen timber.

62.00 Ascend abruptly.

78.75 Top of ridge bears N.and S.

Descend gradually over dense fallen timber.

80.00 Set a sandstone 14x10x8 ins.9 ins.in the ground for cor. of secs.3,4,33,and 34,marked with 3 notches on E.and W. edge;from which

A pine 8 ins.diam.bears N.75°W.30 lks.dist. marked T 4 N R 5 W S 33 B T

A pine 11 ins.diam.bears N.30°E.18 lks.dist. marked T 4 N R 5 W S 34 B T

A pine 10 ins.diam.bears S.25°E.10 lks.dist. marked T.3 N.R.5 W.S.3 B T

A pine 12 ins.diam.bears S.15°W.23 lks.dist. marked T 3 N R 5 W S 4 B T

Land mountainous.

Soil rocky;4th rate.

Timber pine on 80.00 chs.

Mountainous land 80.00 chs.

September 23rd,1903.

NORTH BOUNDARY T.3 N.R.5 W.

CHAINS	
	S.89°56'E.bet.secs.3 and 34.
	Ascending gradually through pine timber.
15.00	Top of abrupt ascent bears N.and S.
38.50	Descend abruptly through dense pine timber;over steep ledges.
39.00	Lake Fork Creek 30 lks.wide drains southerly.
40.00	Set a sandstone 18x6x6 ins.12 ins.in the ground for ¼ sec.cor.,marked ¼ on N.face;from which
	A pine 10 ins.diam.bears S.65°E.92 lks.dist. marked ¼ S 3 B T
	A pine 9 ins.diam.bears N.64°E.102 lks.dist. marked ¼ S 34 B T
42.00	Trail bears N.E.and S.W.
	Enter fallen timber bears N.and S.
57.00	Leave fallen timber;enter green pine timber.
	Ascend abruptly.
80.00	Set a sandstone 14x8x6 ins.9 ins.in the ground for cor. of secs.2,3,34,and 35,marked with 2 notches on E.and 4 notches on W.edge;from which
	A pine 13 ins.diam.bears N.22°W.15 lks.dist. marked T 4 N R 5 W S 34 B T
	A pine 12 ins.diam.bears N.59°E.20 lks.dist. marked T 4 N R 5 W S 35 B T
	A pine 8 ins.diam.bears S.45°E.7 lks.dist. marked T 3 N R 5 W S 2 B T
	A pine 8 ins.diam.bears S.47°W.21 lks.dist. marked T 3 N R 5 W S 3 B T
	Land mountainous.
	Soil rocky;4th rate.
	Timber pine on 65.00 chs.
	Mountainous land 80.00 chs.

NORTH BOUNDARY T.3 N.R.5 W.

CHAINS	
	S.89°56'E.bet.secs.2 and 35
	Over mountainous land.
5.00	Enter fallen timber bears N.and S.
23.00	Leave fallen timber;thence over large boulders;through dense pine timber bears N.and S.
37.00	Leave timber.
40.00	Set a sandstone 14x8x6 ins.9 ins.in the ground for ¼ sec.cor.,marked ¼ on N.face;raise a mound of stones 2 ft.base 1½ ft.high;N.of cor.Pits impracticable.
76.00	Enter a scrubby pine timber bears N.and S.
80.00	Set a sandstone 23x12x5 ins.18 ins.in the ground for cor.of secs.1,2,35,and 36,marked with 1 notch on E.and 5 notches on W.edge;from which
	A pine 5 ins.diam.bears N.22°W.13 lks.dist. marked T 4 N R 5 W S 35 B T
	A pine 10 ins.diam.bears S.38°E.27 lks.dist. marked T 3 N R 5 W S 1 B T
	A pine 6 ins.diam.bears S.76°W.99 lks.dist. marked T 3 N R 5 W S 2 B T
	No other bearing trees available;raise a mound of stones 2 ft.base 1½ ft.high W.of cor.
	Pits impracticable.
	Land mountainous.
	Soil rocky;4th rate.
	Timber pine 41.00 chs.
	Mountainous land 80.00 chs.
	S.89°56'E.bet.secs.1 and 36
	Ascending over mountainous land,through scrubby pine timber.
1.00	Leave timber bears N.and S.
40.00	Set a sandstone 14x12x6 ins.9 ins.in the ground for ¼ sec.cor.,marked ¼ on N.face;and raised a mound of stones 2 ft.base 1½ ft.high N.of cor.

NORTH BOUNDARY T.3 N.R.5 W.

CHAINS.

Pits impracticable.

Ascend abruptly.

48.00 Ledge 200 ft.high bears N.and S.

Point for cor.of Tps.3 and 4 N.Rs.4 and 5 W.falls on rocky ledge,cannot be set;therefore at

75.36 Set a sandstone 18x14x9 ins.12 ins.in the ground for wi - ness corner for Tps.3 and 4 N.Rs.4 and 5 W.,marked W C on N.E.face,with 6 notches on each edge,and raise a mound of stones 2 ft.base 1½ ft.high S.of cor. Pits imp.

80.00 Point for cor.Tps.3 and 4 N.Rs.4 and 5 W.

Land mountainous.

Soil rocky;4th rate.

No timber.

Mountainous land 80.00 chs.

September 24,1903.

LATITUDES,DEPARTURES,AND CLOSING ERRORS.

Line designated	True Bearing	Dist.	Latitudes		Departures.	
			N.	S.	E.	W.
		chs.	chs.	chs.	chs.	chs.
E.bdy.T.3 N.R.5 W.	South	480.00	.....	480.00	.....	.....
S.bdy.T.3 N.R.5 W.	N.89°53'W.	474.95	.98	.....	.....	474.95
W.bdy...3 N.R.5 W.	North	480.00	480.00	.....	.....	.....
N.bdy. .3 N.R.5 W.	S.89°56'E.	474.46	.....	.56	474.46	.....
Convergency					.61	
Totals			480.98	480.56	475.07	474.95
			480.56		474.95	
Errors in lat and dep.			.42		.12	

For general description see notes of subdivision of T.3 N.R.5 W.

James T. Foster

U.S.Deputy Surveyor.

BLANK

PAGE

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by James F. Trotter, 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 North and West Boundaries, T. 3 N., R 5 W. of the Uintah Special Base and Meridian, Utah, showing the respective capacities in which they acted:

Leith Morrison, *Chainman.*

Jay Morrison, *Chainman.*

W. I. Rowland, *Moundman.*

John Graham, ~~*Moundman.*~~ Axman

J. S. Dull, *Axman.*

~~*Axman.*~~

M. Brown, *Flagman.*

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted James F. Trotter United States Deputy Surveyor, in surveying all those parts or portions of the North and West Boundary, T. 3 N., R. 5 W. of the Uintah Special Base and Meridian, Utah. ~~of the meridian~~, State of Utah, which are represented in the foregoing field notes as having been surveyed by him and under his direction; and that said survey has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the corner monuments established, according to the instructions furnished by the United States Surveyor General for Utah.

Leith Morrison, *Chainman.*

Jay Morrison, *Chainman.*

W. I. Rowland, *Moundman.*

~~*Moundman.*~~

John Graham, *Axman.*

J. S. Dull, *Axman.*

M. Brown, *Flagman.*

Subscribed and sworn to before me this 22nd day of Sept. 1903, ~~189~~

James F. Trotter
U. S. Deputy Surveyor

SEAL

6—151

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, James F. Trotter, United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from Edward H. Anderson, United States Surveyor General for Utah, bearing date of the 22, day of July, 1903, ~~189~~, I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for Utah, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of North and West Boundaries, T. 3 N. R. 5 W. of the Uintah Special Base and meridian, in the District of Utah, which are represented in the foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for Utah, and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey; and should any fraud be detected, I will suffer the penalty of perjury under the provisions of an Act of Congress approved August 8, 1846.

James F. Trotter
United States Deputy Surveyor.

Subscribed by said James F. Trotter, and sworn to before me this 10th day of June, ~~189~~ 1904

Edward H. Anderson
U. S. Surveyor-Gen.
Geo. W.

SEAL

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, June 30 1904, ~~189~~

The foregoing field notes of the survey of the North & West Boundaries of Township 3 North Range 5 West of the Uintah Special Base & Meridian Utah

executed by James F. Trotter under his contract No. 273, dated July 22, 1903, ~~189~~, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Edward H. Anderson
United States Surveyor General.

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

United States Surveyor General.

BLANK

PAGE

BLANK

PAGE

489

4—679.

D.

BOOK A-310

FILED
MAY 23 1904

FIELD NOTES

OF THE SURVEY OF THE

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

O-F

T-O-W-N-S-H-I-P N-O. 3 N-O-R-T-H

R-A-N-G-E N-O. 5 W-E-S-T

Of the UINTAH SPECIAL BASE AND *Meridian,*

I-N T-H-E S-T-A-T-E O-F U-T-A-H

AS SURVEYED BY

James F.Trotter, *United States Deputy Surveyor,*

Under his Contract No. 273, *dated* July 22,1903. *189*

Survey commenced November 1,1903. *189*

Survey completed November 18,1903. *189*

6—151

Angle 59.53.57

Alexander Sept 1.21.15

BOOK A-310

NAMES AND DUTIES OF ASSISTANTS.

Leith Morrison	Chainman
Jay Morrison	Chainman
W.I.Rowland	Mounduman
John Graham	Axman
J.S.Dull	Axman
M.Brown	Flagman.

G—151

Volume

#

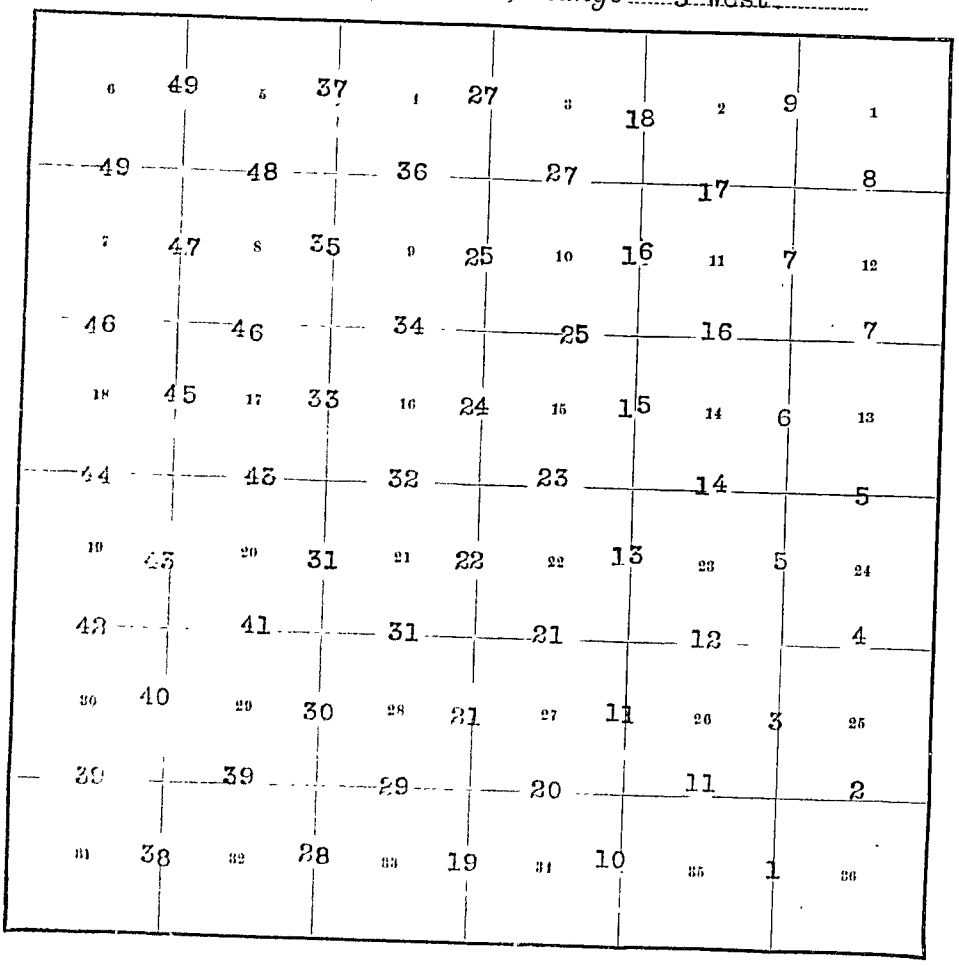
R0310

BOOK A-310

INDEX DIAGRAM.

All Subdivisions of

Township 3 North, *Range* 5 West



Meanders Page

0—151

PRELIMINARY OATHS OF ASSISTANTS.

WE, Leith Morrison and Jay Morrison do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain over even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of the Subdivisions Tp 3 N R 5 W Uintah Special B & M Utah

Leith Morrison, Chainman.

Jay Morrison, Chainman.

Subscribed and sworn to before me this 1st day of November, ~~189~~ 1903

James F. Trotter
U. S. Deputy Surveyor

SEAL

~~WE,~~ I, — W I Rowland ~~and~~ ——— do solemnly swear that ~~we~~ I will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given ~~us~~ me, to the best of ~~our~~ my skill and ability, in the survey of the Subdivisions Tp 3 N R 5 W Uintah Special Base & Meridian Utah

W I Rowland, Moundman.

———, ~~Moundman.~~

Subscribed and sworn to before me this 1st day of November, ~~189~~ 1903

James F. Trotter
U. S. Deputy Surveyor

SEAL

WE, John Graham and J. S. Dull do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey of the Subdivisions Tp 3 N R 5 W Uintah Special B & M Utah

John Graham, Axman.

J S Dull, Axman.

Subscribed and sworn to before me this 1st day of November 1903, ~~189~~

James F. Trotter
U. S. Deputy Surveyor

SEAL

I, M Brown, 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 Subdivisions Tp 3 N R 5 W Uintah Special B & M Utah

M. Brown, Flagman

Subscribed and sworn to before me this 1st day of November, ~~189~~ 1903

James F. Trotter
U. S. Deputy Survey

SEAL

6—151

BOOK A-310

SUBDIVISION OF T.3 N.R.5 W.

CHAINS.

Survey commenced Nov.1,1903,and executed with a W.and L.E.Gurley light mountain transit. The horizontal limb is provided with two double verniers placed opposite to each other,reading to single minutes of arc,which is also the least count of the verniers of the latitude and declination arcs.

The instrument was examined,tested on the true meridian at Salt Lake City,found correct and approved by the Surveyor General for Utah,August 22nd,1903.

At the corner of secs.1.2,35.and 36 on S.bdy.of Tp.which is a trachyte stone 6x12x14 ins. above ground,firmly set and marked and witnessed as described by J.C.Dick and Austin K.Tierman under their contract No.272,in lat. 40°37'N.long.110°26'W.at 4 h.43 m.a.m.l.m.t.I observe Polaris at western elongation in accordance with instructions in the Manual and mark the line thus determined by a tack driven in a wooden peg set in the ground 5.00 chs.N.of cor.

At 7 a.m.l.m.t.I lay off the azimuth of Polaris 1° 36'to the east and mark the true meridian thus determined by cutting a mark on a stone firmly set in the ground east of the point established in the Polaris observation. The magnetic bearing of the said true meridian is N.16° 20'W.,which gives the mag.decl.16°20'E.

Thence I run

N.0°01'W.bet.secs.35 and 36

Over mountainous land;descending through scrubby pine timber.

3.00 Enter dense pine and aspen timber.

11.25 Top of bluff;steep descent through scattering pine and dense aspens.

28.50 Dense pine and scattering aspens.

40.00 Set a sandstone 18x12x8 ins.12 ins.in the ground;for ¼ sec. cor., marked ¼ on the W. face from

SUBDIVISION OF T.3 N.R.5 W.

CHAINS	
	A pine 9 ins.diam.bears S.45°E.19 lks.dist.
	marked ¼ S 36 B T
	A pine 8 ins.diam.bears S.36°W.33 lks.dist.
	marked ¼ S 35 B T
47.00	Gulch drains S.E.;
	Ascend through pine timber.
70.60	Top of spur projects S.E.
	Descend abruptly through pine and aspen timber.
80.00	Set a sandstone 20x12x12 ins.15 ins.in the ground for cor.of secs.25,26,35 and 36,marked with 1 notch on S. and 1 notch on E.edge;from which
	An aspen 12 ins.diam.bears N.72°W.50 lks.dist.
	marked T 3 N R 5 W S 26 B T
	An aspen 6 ins.diam.bears N.16°E.56 lks.dist.
	marked T 3 N R 5 W S 25 B T
	A pine 12 ins.diam.bears S.58°E.67 lks.dist.
	marked T 3 N R 5 W S 36 B T
	A pine 14 ins.diam.bears S.23°W.55 lks.dist.
	marked T 3 N R 5 W S 35 B T
	Land mountainous.
	Soil very rocky;4th rate.
	Timber pine and aspen 80.00 chs.
	Mountainous land 80.00 chs.
	S.89°53'E.on random line bet.secs.25 and 36
40.00	Set temp.¼ sec.cor.
80.06	Intersect E.bdy.of Tp.23 lks.S.of cor.of secs.25,30,31 and 36,which is a sandstone6X18x16ins.above ground,firmly set and marked and witnessed as described by deputies J.C.Dick and Austin K.Tiernan under their contract No. 272;Thence I run
	S.89°57'W.on true line bet.secs.25 and 36
	Over mountainous land;descending.
14.25	Dry wash drains S.;ascend.

SUBDIVISION OF T.3 N.R.5 W.

CHAINS.

25.00 Spur projects S.E.;descend.

40.03 Set a sandstone 16x12x8 ins.11 ins.in the ground for ¼ sec cor.,marked ¼ on N.face;and raised a mound of stone 2 ft.base 1½ ft.high N.of cor.

Pits impracticable.

48.00 E.bank of Lake Fork Creek 35 lks.wide,drains S.E.

Ascend through pine and aspen timber.

80.06 The cor.of secs.25,26,35 and 36.

Land mountainous.

Soil rocky;4th rate.

Timber pine and aspen 32.06 chs.

Mountainous land 80.06 chs.

N.0°01'W.bet.secs.25 and 26

Descending through dense second growth of pines.

5.00 Descend over cliff 30 ft.high bears N.W.and S.E.

Thence over slide rock;leave pine timber.

24.30 Enter large pines bear N.W.and S.E.

40.00 Set a sandstone 22x12x10 ins.17 ins.in the ground for ¼ sec.cor.;marked ¼ on W.face;from which

A pine 6 ins.diam.bears N.85°W.22 lks.dist. marked ¼ S 26 B T

A pine 9 ins.diam.bears N.59°E.19 lks.dist. marked ¼ S 25 B T

40.25 Lake Fork Creek 40 lks.wide,drains southeasterly;

Ascend.

50.54 Bluff 50 ft.high bears N.W.and S.E.

Ascend abruptly.

71.50 Enter slide rock bears N.W.and S.E.

79.00 Leave slide rock bears N.W.and S.E.

80.00 Point for sec.cor.falls on rock in place,a sandstone 40x40x16 ins.above ground,on which I cut a cross (X) at exact point for cor.of secs.23,24,25,and 26,marked ¾

SUBDIVISION OF T.3 N.R.5 W.

CHAINS	
	notches S.and 1 notch E.of cross;from which
	An aspen 12 ins.diam.bears N.25°W.25 lks.dist.
	marked T 3 N R 5 W S 23 B T
	An aspen 7 ins.diam.bears N.48°E.60 lks.dist.
	marked T 3 N R 5 W S 24 B T
	A pine 12 ins.diam.bears S.37°E.17 lks.dist.
	marked T 3 N R 5 W S 25 B T
	A pine 14 ins.diam.bears S.30°W.30 lks.dist.
	marked T 3 N R 5 W S 26 B T
	Land mountainous.
	Soil rocky;4th rate.
	Timber pine and aspen 60.70 chs.
	Mountainous land 80.00 chs.
	November 1,1903.
	November 2,1903.
	Thence I run
	N.89°57'E.on random line bet.secs.24 and 25
40.00	Set temp.$\frac{1}{4}$ sec.cor.
80.10	Intersect E.bdy.of Tp.12 lks.N.of cor.of secs.19,24,25 and 30,which is a sandstone 8x6x8 ins.above ground,firmly set and marked and witnessed as described by Deputies J.C.Dick and Austin K.Tiernan under their contract No. 272;Thence I run
	N.89°58'W.on true line bet.secs.24 and 25
	Over mountainous land;descending through pine and aspen timber.
13.00	Top of cliff 100 ft.high;
	Descend abruptly.
40.05	Set a sandstone 14x12x7 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.
	Pits impracticable.
80.10	The cor.of secs.23,24,25,and 26.

SUBDIVISION OF T.3 N.R.5 W.

CHAINS.

Land mountainous.

Soil rocky;4th rate.

Timber pine and aspen 80.10 chs.

Mountainous land 80.10 chs.

N.0°01'W.bet.secs.23 and 24

Ascend abruptly through timber.

1.75 Enter slide rock bears N.W.and S.E.;

Continue steep ascent.

40.00 Set a sandstone 20x12x10 ins.15 ins.in the ground for ¼ sec.cor.,marked ¼ on W.face;from which

A pine 18 ins.diam.bears S.17°E.30 lks.dist. marked ¼ S 24 B T

An aspen 6 ins.diam.bears S.64°W.45 lks.dist. marked ¼ S 23 B T

60.00 Dry wash drains southwesterly.

65.60 Foot of bluff 60 ft.high;ascend abruptly.

Leave timber.

80.00 Set a sandstone 16x16x13 ins.11 ins.in the ground for cor.to secs.13,14,23,and 24,marked with 3 notches on S. and 1 notch on E.edges;raised a mound of stones 2 ft. base 1½ ft.high W.of cor.Pits impracticable.

Land mountainous.

Soil rocky 4th.rate.

Timber pine and aspen 65.60 chs.

Mountainous land 80.00 chs.

S.89°58'E.on random line bet.secs.13 and 24

40.00 Set temp.¼ sec.cor.

80.04 Intersect E.bdy.of Tp.8 lks.N.of cor.to secs.13,18,19 and 24,which is a sandstone 6x12x12 ins.above ground, firmly set and marked and witnessed as described by the Deputies J.C.Dick and Austin K.Tiernan under their con-

A-310

SUBDIVISION OF T.3 N.R.5 W.

CHAINS	
	tract No.272.Thence I run
	N.89°55'W.on true line bet.secs.13 and 24;
	Descend abruptly.
6.00	Bluff 40 ft.high;thence ascend.
12.20	Spur projects S.W.;descend.
40.02	Set a sandstone 15x12x7 ins.10 ins.in the ground for ¼ sec.cor.,marked ¼ on N.face;and raise a mound of stone 2 ft.base 1½ ft.high N.of cor.
	Pits impracticable.
	Thence steep descent.
61.00	Small dry wash drains southwesterly;ascend.
80.04	Cor of secs.13,14,23,and 24.
	Land mountainous.
	Soil rocky;4th rate.
	No timber.
	Mountainous land 80.04 chs.
	N.0°01'W.bet.secs.13 and 14,
	Steep ascent over heavy slide rock.
40.00	Set a sandstone 12x7x7 ins.8 ins.in the ground for ¼ sec.cor.,marked ¼ on W.face;raise a mound of stone 2 ft. base 1½ ft.high W.of cor.Pits impracticable.
61.00	Top of spur projects westerly;descend.
64.20	Descend abruptly.
80.00	Set a sandstone 14x12x7 ins.9 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 1½ ft.high W.of cor.Pits impracticable.
	Land mountainous.
	Soil rocky 4th rate.
	No timber.
	Mountainous land 80.00 chs.
	November 2,1903.

SUBDIVISION OF T.3 N.R.5 W.

CHAINS.

November 3,1903.

S.89°55'E.on a random line bet.secs.12 and 13

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

80.13 Intersect E.bdy.of Tp.16 1ks.S.of cor.of secs.7,12,13 and 18,which is a sandstone 6x20x8 ins.above ground,fir - ly set and marked and witnessed as described by J.C.Dic and Austin K.Tiernan under their contract No.272.

Thence I run

S.89°58'W.on true line bet.secs.12 and 13

Descend abruptly over heavy slide rock and ledges.

40.07 Set a sandstone 12x12x7 ins.8 ins.in the ground for $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on N.face;and raise a mound of stone 2 ft.base $1\frac{1}{2}$ ft.high N.of cor. Pits impracticable.

60.20 Descend over ledge 50 ft.high.

80.13 Cor.to secs.11,12,13,and 14.

Land mountainous.

Soil rocky;4th rate.

No timber.

Mountainous land 80.13 chs.

N.0°01'W.bet.secs.11 and 12

Descend over rocky ground.

15.00 Gulch drains southwesterly.

30.00 Spur projects S.W.

40.00 Set a sandstone 14x14x7 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.

Pits impracticable.

62.30 Dry wash drains southwesterly.

Thence ascend abruptly.

80.00 Set a sandstone 18x18x7 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.edge;and raise a mound of stone 2 ft.base $1\frac{1}{2}$ ft.high W.of cor.Pits impracticable.

SUBDIVISION OF T.3 N.R.5 W.

CHAINS	
	Land mountainous.
	Soil rocky;4th rate.
	No timber.
	Mountainous land 80.00 chs.
	November 3,1903.
	November 4th,1903.
	N.89°58'E.on a random line bet.secs.1 and 12
40.00	Set temp.$\frac{1}{4}$ sec.cor.
80.06	Intersect E.bdy. of Tp.7 lks.S.of cor.of secs.1,6,7 and 12,which is a sandstone 8x8x6 ins.above ground,firmly set and marked and witnessed as described by Deputies J.C.Lick and Austin K.Tierman under their contract No. 272.Thence I run
	S.89°55'W.on a true line bet.secs.1 and 12
	Descend very steep west slope of mountain,over heavy slide rock.
27.00	Top of ledge 60 ft.high bears N.and S.
	Descend abruptly.
40.03	Set a sandstone 18x7x7 ins.12 ins.in the ground for $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on N.face;and raise a mound of stone 2 ft.base $1\frac{1}{2}$ ft.high N.of cor.
	Pits impracticable.
	Continue to descend.
49.00	Top of sandstone cliff 60 ft.high bears N.and S.;descend.
61.00	Top of cliff 30 ft.high bears N.& W.
	Thence descend more gradually over heavy slide rock.
67.00	Begin steep descent.
72.00	Begin gradual ascent.
80.06	The cor.to secs.1,2,11,and 12.
	Land mountainous.
	Soil rocky;4th rate.
	No timber.
	Mountainous land 80.00 chs.

SUBDIVISION OF T.3 N.R.5 W.

CHAINS	
	N.0°01'W.on a random line bet.secs.1 and 2
40.00	Set temp.¼ sec.cor.
80.21	Intersect N.bdy. of Tp.11 lks.E.of cor.of secs.1,2,35 and 36,heretofore described.
	Thence I run
	S.0°06'E.on a true line bet.secs.1 and 2.
	Descend over steep ledges and large sandstone boulders.
12.00	Enter pine timber bears E.and W.
16.00	Leave timber bears E.and W.
18.00	Descend more gradually over large boulders;through scattering pine timber.
39.00	Top of spur projects S.W.
	Descend.
40.21	Set a sandstone 16x12x5 ins.11 ins.in the ground for ¼ sec.cor.,marked ¼ on W.face;and raise a mound of stone 2 ft.base 1½ ft.high W.of cor.Pits impracticable.
46.00	Descend abruptly.
62.00	Leave scattering pine and enter dense aspen.
70.00	Leave aspen;head of gulch drains westerly;ascend.
76.00	Top of small knoll;descend abruptly.
78.50	Point of small knoll;descend abruptly.
	Spur projecting westerly.
80.21	The cor.of secs.1,2,11 and 12.
	Land mountainous.
	Soil rocky;4th rate.
	Timber pine and aspen 56.00 chs.
	Mountainous land 80.21 chs.

November 4,1903.

November 5,1903.

From the cor.of secs.2,3,34 and 35 on S.bdy.of Tp., which is a sandstone 6x10x10ins.above ground firmly set and marked and witnessed as described by Deputies J.C. Dick and Austin K.Tiernan under their contract No.272,

SUBDIVISION OF T.3 N.R.5 W.

CHAINS. I run

N.0°3'W. bet.secs.34 and 35

Gradually ascending through scattering pine timber.

30.00 Top of spur projects S.W.;

Enter dense pine timber;

Ascend along west slope of ridge.

40.00 Set a sandstone 14x12x12 ins.9 ins.in the ground for ¼ sec.cor.,marked ¼ on W.face;from which

A pine 12 ins.diam.bears N.7°E.11 lks.dist. marked ¼ S 35 B T

A pine 11 ins.diam.bears N.82°W.3 lks.dist. marked ¼ S 34 B T

80.00 A pine 12 ins.diam.for cor.of secs.26,27,34 and 35 I mark

T 3 N S 26 on N.E.

R 5 W S 35 on S.E.

S 34 on S.W.,and

S 27 on N.W.side,with 1 notch on S.and 2 notches on E.side;from which

A pine 9 ins.diam.bears N.42°W.13 lks.dist. marked T 3 N R 5 W S 27 B T

A pine 8 ins.diam.bears N.57°E.15 lks.dist. marked T 3 N R 5 W S 26 B T

A pine 15 ins.diam.bears S.52°E.25 lks.dist. marked T 3 N R 5 W S 35 B T

A pine 8 ins.diam.bears S.31°W.22 lks.dist. marked T 3 N R 5 W S 34 B T

Land mountainous.

Soil rocky;4th rate.

Timber pine 80.00 chs.

Mountainous land 80.00 chs.

S.89°53'E.on random line bet.secs.26 and 35

40.00 Set temp.¼ sec.cor.

SUBDIVISION OF T.3 N.R.5 W.

CHAINS.

80.08 Intersect N.and S.line 26 lks.S.of cor.to secs.25,26,35 and 36.Thence I run

S.89°56'W.on true line bet.secs.26 and 35

Ascending through dense pine and aspen timber,

23.00 Top of ridge bears N.W.and S.E.

Descend over ledges and large boulders.

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

40.04 Set a sandstone 12x12x6 ins.8 ins.in the ground for ¼ sec.cor.,marked ¼ on N.face;raise a mound of stone 2 ft.base 1½ ft.high N.of cor.

Pits impracticable.

58.00 Enter dense aspen and pine timber bears N.W.and S.E.

65.00 Small draw drains S.E.;ascend.

67.00 Top of spur projecting S.E. ;descend.

70.50 Bottom of gulch drains S.E.

77.25 Top of ridge bears N.W.and S.

Descend abrupptly.

80.08 The cor.of secs.26,27,34,and 35.

Land mountainous.

Soil rocky;4th rate.

Timber pine and aspen 45.08 chs.

Mountainous land 80.08 chs.

N.0°02'W.bet.secs.26 and 27

Over mountainous land;ascending.through timber.

8.00 Top of ridge bears N.W.and S.E.;descend.

31.00 Leave dense pine timber;continue through scattered timber.

40.00 Set a sandstone 14x10x8 ins.9 ins.in the ground for ¼ sec.cor.,marked ¼ on W.face;from which

A pine 12 ins.diam.,bears S.39°E.7 lks.dist. marked ¼ S 26 B T

A pine 12 ins.diam.bears S.26°W.30 lks.dist. marked ¼ S 27 B T

SUBDIVISION OF T.3 N.R.5 W.

CHAINS	
45.60	Draw drains S.E.;enter dense pine timber;ascend.
58.00	Top of ridge bears N.W.and S.E.
	Descend abruptly.
79.50	Gulch drains S.E.
80.00	Set a sandstone 12x8x6 ins.8 ins.in the ground for cor. of secs.22,23,26,and 27,marked with 2 notches on S.and E.edges;from which
	A pine 12 ins.diam.bears N.19°W.8 lks.dist.
	marked T 3 N R 5 W S 22 B T
	A pine 10 ins.diam.bears N.26°E.3 lks.dist.
	marked T 3 N R 5 W S 23 B T
	A pine 12 ins.diam.bears S.19°E.14 lks.dist.
	marked T 3 N R 5 W S 26 B T
	A pine 11 ins.diam.bears S.88°W.5 lks.dist.
	marked T 3 N R 5 W S 27 B T
	Land mountainous.
	Soil rocky;4th rate.
	Timber pine 80.00 chs.
	Mountainous land 80.00 chs.
	November 5th,1903.
	November 6, 1903:
	N.89°56'E.on a random line bet.secs. 23 and 26
40.00	Set temp.¼ sec.cor.
80.06	Intersect N.and S.line 7 lks.N.of cor.to secs.23,24,25 and 26.Thence I run
	S.89°59'W.on true line bet.secs.23 and 26,
	Descending over mountainous land,through pine and aspen timber.
10.00	Descend abruptly.
34.65	Lake Fork Creek,40 lks.wide,drains S.E.;ascend.
40.03	Set a sandstone 14x8x6 ins.9 ins.in the ground for ¼ sec.cor.,marked ¼ on N.face;from which

SUBDIVISION OF T.3 N.R.5 W.

CHAINS.

A pine 6 ins.diam.bears N.47°W.31 lks.dist.
marked ¼ S 23 B T
A pine 5 ins.diam.bears S.51°E.64 lks.dist.
marked ¼ S 26 B T

45.00 Top of spur projects S.E.;descend.

71.00 Draw drains S.E.;ascend.

76.00 Top of spur projects S.E.;descend.

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

Land mountainous.

Soil rocky;4th rate.

Timber pine and aspen.

Mountainous land covered with timber 80.06 chs.

N.0°02'W.bet.secs.22 and 23

Ascending over mountainous land;through dense pine and aspen timber.

3.50 Point of spur projects S.E.;descend.

4.20 Bottom of draw ;small stream 2 lks.wide,drains south-easterly.

Ascend abruptly.

12.00 Point of spur projects S.E.;descend.

18.30 Gulch drains S.E.;ascend.

31.00 Cliff 70 ft.high bears E.and W.

40.00 Set a sandstone 22x15x12 ins.17 ins.in the ground for ¼ sec.cor.,marked ¼ on W.face;from which

A pine 6 ins.diam.bears S.41°E.8 lks.dist.
marked ¼ S 23 B T
A pine 6 ins.diam.bears S.58°W.25 lks.dist.
marked ¼ S 22 B T

Thence over slide rock;leave pine and aspen timber bears E.and W.

47.00 Ridge bears westerly and S.E.;descend.

67.00 Enter pine and aspen timber bears E.and W.

72.00 Creek 10 lks.wide,drains southeasterly;ascend.

SUBDIVISION OF T.3 N.R.5 W.

CHAINS.	
80.00	Set a sandstone 14x12x6 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;from which
	A pine 8 ins.diam.bears N.9°E.12 lks.dist.
	marked T 3 N R 5 W S 14 B T
	A pine 5 ins.diam.bears N.32°W.19 lks.dist.
	marked T 3 N R 5 W S 15 B T
	A pine 10 ins.diam.bears S.48°E.28 lks.dist.
	marked T 3 N R 5 W.S 23 B T
	A pine 8 ins.diam.bears S.7°W.19 lks.dist.
	marked T 3 N R 5 W.S 22 B T
	Land mountainous.
	Soil rocky;4th rate.
	Timber pine and aspen 53.00 chs.
	Mountainous land 80.00 chs.
	N.89°59'E.on random line bet.secs.14 and 23
40.00	Set temp.$\frac{1}{4}$ sec.cor.
80.08	Intersect N.and S.line 9 lks.N.of cor.of secs.13,14,23, and 24;thence I run
	N.89°57'W.on true line bet.secs.14 and 23
	Over mountainous land;descend over rocky cliffs and huge boulders.
10.00	Enter aspen and scattering pine timber bears N.& S.
37.00	Leave timber;descend abruptly over slide rock.
40.04	Set a sandstone 12x12x7 ins.8 ins.in the ground for $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on N.face;and raise a mound of stone 2 ft.base $1\frac{1}{2}$ ft.high N.of cor.
	Pits impracticable.
45.00	Lake Fork Creek,40 lks.wide,drains southerly.
	Ascend through dense pine and aspen timber bearing N. and S.
80.08	The cor.of secs.14,15,22 and 23.

SUBDIVISION OF T.3 N.R.5 W.

CHAINS

Land mountainous.

Soil rocky;4th rate.

Timber pine and aspen,73.08 chs.

Mountainous land 80.08 chs.

November 6,1903.

November 7,1903.

N.0°02'W.bet.secs.14 and 15

Over mountainous land,along W.slope of ridge bears N.W.and S.E.

Ascend through scattering pine and aspen timber.

11.00 Leave scattering pine and aspen;enter dense pine and aspen timber.

27.00 Leave timber bears E.and W.

40.00 Set a sandstone 20x12x8 ins.15 ins.in the ground for ¼ sec.cor.,marked ¼ on W.face;raise a mound of stone 2 ft.base 1½ ft.high W.of cor.Pits impracticable.

45.00 Top of spur projects S.E.;thence along top of ridge; through dense second growth of pine.

80.00 Set a sandstone 36x16x10 ins.20 ins.in the ground for cor.of secs.10,11,14,and 15,marked with 4 notches on S. and 2 notches on E.edge;from which

A pine 10 ins.diam.bears S.68°W.1 lk..dist.
marked T 3 N R 5 W S 15 B T

A pine 6 ins.diam.bears S.24°E.12 lks.dist.
marked T 3 N R 5 W S 14 B T

A pine 7 ins.diam.bears N.30°E.39 lks.dist.
marked T 3 N R 5 W S 11 B T

A pine 11 ins.diam.bears N.60°W.36 lks.dist.
marked T 3 N R 5 W S 10 B T

Corner on ridge bearing N.W.and S.

Land mountainous.

Soil rocky;4th rate.

Timber pine and aspen 62.00 chs.

Mountainous land 80.00 chs.

SUBDIVISION OF T.3 N.R.5 W.

CHAINS	
	S.89°57'E.on a random line bet.secs.11 and 14
40.00	Set temp.$\frac{1}{4}$ sec.cor.
79.96	Intersect N.and S.line 4 lks.N.of cor.to secs.11,12,13 and 14;thence I run.
	N.89°55'W.on a true line bet.secs.11 and 14
	Over mountainous land;
	Descend over heavy slide rock.
13.00	Enter small pine timber bears N.and S.;descend abruptly.
39.98	Set a sandstone 14x12x6 ins.9 ins.in the ground for $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on N.face;raise a mound of stone 2 ft. base $1\frac{1}{2}$ ft.high N.of cor.
	Pits impracticable.
58.00	Lake Fork Creek 40 lks.wide,drains S.E.
62.00	Ascend.abruptly through thick pine and aspen timber.
	bears N.W.and S.E.
79.96	The cor.to secs.10,11,14,and 15.
	Land mountainous.
	Soil rocky;4th rate.
	Timber pine and aspen 67.00 chs.
	Mountainous land 79.96 chs.
	N.0°02'W.bet.secs.10 and 11
	Over mountainous land;through scattering aspen and pine timber;descending.
10.65	Small stream 8 lks.wide,drains S.E.
17.66	Lake Fork Creek,90 lks.wide,drains southeasterly;ascend.
22.10	Top of cliff bears N.W.and S.E.
39.50	Point of spur projects S.W.;descend.
40.00	Set a sandstone 24x14x6 ins.18 ins.in the ground for $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on W.face;from which
	A pine 12 ins.diam.bears S.42°E.32 lks.dist.
	marked $\frac{1}{4}$ S 11 B T
	A pine 7 ins.diam.bears S.20°W.46 lks.dist.
	marked $\frac{1}{4}$ S 10 B T

SUBDIVISION OF T.3 N.R.5 W.

CHAINS

Leave scattering timber;enter dense pine and aspen timber bears N.E.and S.W.

76.00 Gulch drains S.W.;ascend.

80.00 Set a sandstone 28x18x8 ins.21 ins.in the ground for cor.of secs.2,3,10,and 11,marked with 5 notches on S. and 3 notches on E.edge;from which

A pine 7 ins.diam.bears S.50°E.4 lks.dist.
marked T 3 N R 5 W S 11 B T

A pine 7 ins.diam.bears S.38°W.6 lks.dist.
marked T 3 N R 5 W S 10 B T

A pine 10 ins.diam.bears N.69°W.10 lks.dist.
marked T 3 N R 5 W S 3 B T

A pine 6 ins.diam.bears N.72°E.12 lks.dist.
marked T 3 N R 5 W S 2 B T

Land mountainous.

Soil rocky;4th rate.

Timber pine and aspen 80.00 chs.

Mountainous land 80.00 chs.

November 7,1903.

November 8,1903.

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

40.00 Set temp.¼ sec.cor.

80.08 Intersect N.and S.line 13 lks.S.of cor.to secs.1,2,11 and 12;thence I run

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

Over mountainous land;descending.

8.50 Descend abruptly;over large boulders and slide rock bears N.and S.

36.00 Descend less abruptly along N.side of ridge.

40.04 Set a sandstone 14x12x7 ins.9 ins.in the ground for ¼ sec.cor.,marked ¼ on N.face;and raise a mound of stone 3 ft.base 1½ ft.high N.of cor.

Pits impracticable.

61.40 Gulch drains N.W.;enter pine timber bears N and S.

SUBDIVISION OF T.3 N.R.5 W.

CHAINS.	
	Ascend.
70.00	Spur projects northerly;descend.
76.00	Gulch drains S.W.;ascend abruptly over steep ledges.
80.08	The cor.of secs.2,3,10 and 11.
	Land mountainous.
	Soil rocky;4th rate.
	Timber pine 18.68 chs.
	Mountainous land 80.08 chs.
	N.0°02'W.on a random line bet.secs.2 and 3
40.00	Set temp.$\frac{1}{4}$ seccor.
80.14	Intersect N.bdy.of Tp.7.1ks.E.of cor.of secs.2,3,34, and 35,heretofore described.
	Thence I run
	S.0°05'E.on true line bet.secs.2 and 3
	Over mountainous land;through dense pine timber.
	Descending.
26.00	Leave timber bears E.and W.;enter slide rock.
40.14	Set a sandstone 20x10x6 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 3 ft.base $1\frac{1}{2}$ ft.high W.of cor.
	Pits impracticable.
	Descend abruptly.
68.00	Leave slide rock;enter pine timber bears E.and W.
	Descend gradually.
80.14	The cor.of secs.2,3,10,and 11.
	Land mountainous.
	Soil rocky;4th rate.
	Timber pine 37.14 chs.
	Mountainous land 80.14 chs.
	November 8,1903.

SUBDIVISION OF T.3 N.R.5 W.

CHAINS

November 9,1903,at the cor.of secs.3,4,33,and 34 on S. bdy.of Tp.,which is a sandstone 3 x 8 x 6 ins.above ground,firmly set and marked and witnessed as described by J.C.Dick and Austin K.Tiernan under their contract No.272,in lat.40°37'N.,long.110°28'W.at 4 h.12 m.a.m.l. m.t.I observe Polaris at western elongation,in accordanc with instructions in the Manual,and mark the line thus determined by a tack driven in a wooden peg set in the ground 5.00 chs.N.of corner.

At 7 h.00 m.a.m.l.m.t.I lay off the azimuth of Polaris 1°36'to the east and mark the true meridian thus determined by cutting a mark on a stone firmly set in the ground east of the point established in the Polaris observation. The mag.bearing of the said true meridian is N.16°20'W.,which gives the mag.declination 16°20'E. Thence I run

N.0°02'W.bet.secs.33 and 34

Over mountainous land.

5.00 Enter dense pine timber bears E.and W.

Descend gradually along W.slope of ridge,bearing N.and S.

12.0 Enter fallen timber bears N.and W.

30.00 Leave fallen timber.

40.00 Set a sandstone 16x12x10 ins.11 ins.in the ground for ¼ sec.cor.,marked ¼ on W.face;from which

A pine 10 ins.diam.bears S.80°E.18 lks.dist. marked ¼ S 34 B T

A pine 10 ins.diam.bears S.73°W.20 lks.dist. marked ¼ S 33 B T

60.00 Gulch drains S.W.;ascend.

69.00 Steep ascent over slide rock.

70.00 Top of slide rock;ascend gradually.

80.00 Set a sandstone 18x8x7 ins.12 ins.in the ground for cor.of secs.27,28,33,and 34,marked 1 notch on S.and 3 notches on E.edge;from which

SUBDIVISION OF T.3 N.R.5 W.

CHAINS	
	A pine 18 ins.diam.bears N.25°E.78 lks.dist.
	marked T 3 N R 5 W S 27 B T
	A pine 16 ins.diam.bears N.20°W.85 lks.dist.
	marked T 3 N R 5 W S 28 B T
	A pine 12 ins.diam.bears S.70°W.45 lks.dist.
	marked T 3 N R 5 W S 33 B T
	A pine 14 ins.diam.bears S.45°E.98 lks.dist.
	marked T 3 N R 5 W S 34 B T
	Land mountainous.
	Soil rocky;4th rate.
	Timber dense pine 75.00 chs.
	Mountainous land 80.00 chs.
	S.89°53'E.on random line bet.secs.27 and 34
40.00	Set temp.$\frac{1}{4}$ sec.cor.
79.98	Intersect N.and S.line 21 lks.S.of cor.to secs.26,27,34 and 35;thence I run
	S.89°58'W.on true line bet.secs.27 and 34
	Descending over mountainous land;through dense pine and fallen timber,bears N.and S.
39.99	Set a sandstone 20x14x7 ins.15 ins.in the ground for $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on N.face;from which
	A pine 7 ins.diam.bears N.18°W.35 lks.dist.
	marked $\frac{1}{4}$ S 27 B T
	A pine 8 ins.diam.bears S.45°W.27 lks.dist.
	marked $\frac{1}{4}$ S 34 B T
	Enter scattering aspen timber.
50.00	Gulch drains S.W.;ascend.
79.98	The cor.of secs.27,28,33,and 34.
	Land mountainous.
	Soil rocky;4th rate.
	Timber pine and aspen 79.98 chs.
	Mountainous land 79.98 chs.

SUBDIVISION OF T.3 N.R.5 W.

CHAINS.	
	N.0°2'W.bet.secs.27 and 28
	Over mountainous land;ascend abruptly over large boulders and slide rock;through live,and dead fallen timber.
9.00	Begin gradual ascent.
40.00	Set a sandstone 14x12x10 ins.9 ins.in theground for ¼ sec.cor..marked ¼ on W.face;from which
	A pine 9 ins.diam.bears N.46°W.53 lks.dist. marked ¼ S 28 B T
	A pine 16 ins.diam.bears N.66°E.42 lks.dist. marked ¼ S 27 B T
49.00	Leave slide rock.
67.00	Top of ridge bears N.W.and S.E.
..	Descend abruptly.
74.00	Cliff 30 ft.high bears N.W.and S.E.;leave timber.
80.00	Set a sandstone 16x8x6 ins.11 ins.in the ground for cor. of secs.21,22.27.and 28,marked with 2 notches on S.and 3 notches on E.edge;and raise a mound of stone 2 ft. base 1½ ft.high W.of cor.Pits impracticable.
	Land mountainous.
	Soil rocky;4th rate.
	Timber pine 74.00 chs.
	Mountainous land 80.00 chs.

November 9,1903.

November 10,1903.

N.89°58'E.on a random line bet.secs.22 and 27

40.00 Set temp.¼ sec.cor.

79.94 Intersect N.and S.line 11 lks.N.of cor.of secs.22,23, 26 and 27.Thence I run

N.89°57'W.on a true line bet.secs.22 and 27

Over mountainous land;through pine timber;descending.

0.60 Draw drains S.E.;ascend.

26.00 Enter fallen timber;leave pine timber bears N.and S. Descend.

SUBDIVISION OF T.3 N.R.5 W.

CHAINS.	
39.97	Set a sandstone 14x8x7 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.Pits impracticable.
	Ascend.
49.50	Ascend more abruptly.
55.00	Spur projects North;descend.
68.00	Begin very steep descent.
79.94	The cor.of secs.21,22,27,and 28.
	Land mountainous.
	Soil rocky;4th rate.
	Timber pine 26.00 chs.
	Mountainous land 79.94 chs.
	N.0°02'W.bet.secs.21 and 22,
	Over mountainous land;descending abruptly over heavy slide rock.
8.00	Enter dense pine and aspen timber.
20.00	Gulch drains easterly;ascend.
40.00	Set a sandstone 15x12x9 ins.10 ins.in the ground for ¼ sec.cor.,marked ¼ on W.face;from which
	A pine 7 ins.diam.bears N.62°W.38 lks.dist. marked ¼ S 21 B T
	A pine 12 ins.diam.bears N.85°E.40 lks.dist. marked ¼ S 22 B T
41.00	Top of ridge bears N.E.and S.W.
42.00	Descend abruptly,over heavy slide rock and small cliffs.
60.00	Foot of abrupt descent.
71.20	Creek 8 lks.wide,drains easterly.
	Ascend gradually over sandstone boulders.
80.00	Set a sandstone 14x12x8 ins.9 ins.in the ground for cor. of secs.15,16,21 and 22,marked with 3 notches on S.and E.edges;from which
	A pine 8 ins.diam.bears S.35°E.53 lks.dist. marked T 3 N R 5 W S 22 B T

SUBDIVISION OF T.3 N.R.5 W.

CHAINS

A pine 12 ins.diam.bears S.50°W.55 lks.dist.
marked T 3 N R 5 W S 21 B T

A pine 9 ins.diam.bears N.56°W.42 lks.dist.
marked T 3 N R 5 W S 16 B T

A pine 12 ins.diam.bears N.58°E.105 lks.dist.
marked T 3 N R 5 W S 15 B T

Land mountainous.

Soil rocky;4th rate.

Timber pine and aspen 72.00 chs.

Mountainous land.80.00 chs.

S.89°57'E.on a random line bet.secs.15 and 22

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

79.88 Intersect N.and S.line 6 lks.N.of cor.of secs.14,15, 22 and 23.Thence I run

N.89°54'W.on true line bet.secs.15 and 22

Ober mountainous land;through pine and aspen timber; descending.

18.00 Gulch drains S.E.;ascend.

39.94 Set a sandstone 14x14x9 ins.9 ins.in the ground for $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on N.face;from which

A pine 7 ins.diam.bears S.4°E.30 lks.dist.
marked $\frac{1}{4}$ S 22 B T

A pine 16 ins.diam.bears N.34°E.26 lks.dist.
marked $\frac{1}{4}$ S 15 B T

Thence along N.slope of mountain

71.00 Top of ridge bears N.W.and S.E.

Descend gradually along S.slope of mountain.

79.88 The cor.of secs.15,16,21 and 22.

Land mountainous.

Soil rocky;4th rate.

Timber pine and aspen 79.88 chs.

Mountainous land 79.88 chs.

November 10,1903.

SUBDIVISION OF T.3 N.R.5 W.

CHAINS	
	November 11,1903.
	N.0°02'W.bet.secs.15 and 16
	Over mountainous land;through dense pine timber;ascending.
4.00	Top of ridge bearing.S.E.and.N.W.;thence gradual descent
17.00	Leave timber bears N.W.and S.E.
	Begin abrupt descent over heavy slide rock bears N.W. and S.E.
20.50	Enter pine and aspen timber bears N.W.and S.E.;descend gradually;leave slide rock.
24.00	Bottom of gulch drains S.E.
24.50	A small spring,drains S.E.
	Ascend gradually.
40.00	Set a sandstone 18x16x9 ins.12 ins.in the ground for ¼ sec.cor.,marked ¼ on W.face;from which
	A pine 16 ins.diam.bears N.26°E.90 lks.dist. marked ¼ S 15 B T
	A pine 10 ins.diam.bears N.48°W.70 lks.dist. marked ¼ S 16 B T
	Enter fallen timber and large boulders.
64.75	Top of ridge course S.E.and N.W.
	Descend gradually.
66.50	Descend abruptly.
70.25	Begin gradual descent.
75.50	Head of gulch drains S.E.;ascend.
80.00	Set a sandstone 24x18x24 ins.18 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 pine 12 ins.diam.bears N.35°W.35 lks.dist. marked T 3 N R 5 W S 9 B T
	A pine 12 ins.diam.bears N.62°E.78 lks.dist. marked T 3 N R 5 W S 10 B T
	A pine 10 ins.diam.bears S.56°E.90 lks.dist. marked T 3 N R 5 W S 15 B T

SUBDIVISION OF T.3 N.R.5 W.

CHAINS

A pine 16 ins.diam.bears S.44°W.32 lks.dist.
marked T 3 N R 5 W S 16 B T.

Land mountainous.

Soil rocky;4th rate.

Timber pine and aspen 76.50 chs.

Mountainous land 80.00 chs.

S.89°54'E.on random line bet.secs.10 and 15

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

79.96 Intersect N.and S.line 5 lks.S.of cor.of secs.10,11;14 and 15.Thence I run

N.89°56'W.on a true line bet.secs.10 and 15

Over mountainous land;through dense pine timber;descending gradually.

15.00 Gradual ascent.

35.00 Gradual descent.

39.98 Set a sandstone 24x19x9 ins.18 ins.in the ground for $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on N.face;from which

A pine 10 ins.diam.bears S.20°E.22 lks.dist.
marked $\frac{1}{4}$ S 15 B T

A pine 7 ins.diam.bears N.20°E.47 lks.dist.
marked $\frac{1}{4}$ S 10 B T

47.00 Descend abruptly.

58.00 Leave timber bears N.and S.

72.00 Enter pine timber bears N.and S.

79.96 The cor.of secs.9;10,15,and 16.

Land mountainous.

Soil rocky;4th rate.

Timber pine 65.96 chs.

Mountainous land 79.96 chs.

N.0°2'E.bet.secs.9 and 10

SUBDIVISION OF T.3 N.R.5 W.

CHAINS	
	Over mountainous land;through dead,fallen,and live pine timber;ascending.
6.00	Top of ascent bears N.W.and S.E.
12.00	Gradual descent on E.slope of ridge.
40.00	Set a sandstone 14x12x8 ins.9 ins.in the ground for $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on W.face;from which
	A pine 12 ins.diam.bears N.78°E.27 lks.dist.
	marked $\frac{1}{4}$ S 10 B T
	A pine 12 ins.diam.bears N.85°W.28 lks.dist.
	marked $\frac{1}{4}$ S 9 B T
50.00	Small draw drains S.E.
	Enter scattering aspen.
	Ascend gradually
57.00	Top of ridge bears N.W.and S.E.;descend gradually.
75.50	Descend abruptly.
80.00	Set a sandstone 18x14x10 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 pine 18 ins.diam.bears N.50°W.45 lks.dist.
	marked T 3 N R 5 W S 4 B T
	A pine 26 ins.diam.bears N.78°E.50 lks.dist.
	marked T 3 N R 5 W S 3 B T
	A pine 8 ins.diam.bears S.39°45'E.60 lks.dist.
	marked T 3 N R 5 W S 10 B T
	A pine 16 ins.diam.bears S.40°W.83 lks.dist.
	marked T 3 N R 5 W S 9 B T
	Land mountainous.
	Soil rocky;4th rate.
	Timber pine and aspen 80.00 chs.
	Mountainous land 80.00 chs.

	S.89°56'E.on a random line bet.secs.3 and 10
40.00	Set temp.$\frac{1}{4}$ sec.cor.
80.02	Intersect N.and S.line 9 lks.S.of cor.of secs.2,3,10,

BOOK A-310

SUBDIVISION OF T.3 N.R.5 W.

CHAINS

and 11;thence I run

West on true line bet.secs.3 and 10

Over mountainous land;through dense pine timber;descending.

18.00 Enter slide rock.Top of perpendicular cliffs,50 ft.high bear N.and S.;descend abruptly.

40.01 Set a sandstone 18x8x8 ins.8 ins.in the ground for ¼ sec.cor.,marked ¼ on N.face;from which

A pine 6 ins.diam.bears N.15°E.22 lks.dist. marked ¼ S 3 B T

A pine 10 ins.diam.bears S.28°W.51 lks.dist. marked ¼ S 10 B T

40.10 Lake Fork Creek 50 lks.wide;course S.E.

Ascend.

43.50 Perpendicular cliff 50 ft.high bears N.and S.

Ascend abruptly over heavy slide rock;through dense fallen timber.

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

Land mountainous.

Soil rocky;4th rate.

Timber pine 80.02 chs.

Mountainous land 80.02 chs.

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

40.00 Set temp.¼ sec cor.

80.18 Intersect N.bdy.of Tp.14 lks.E.of cor.of secs 3,4,33, and 34,heretofore described.

Thence I run

S.0°08'E. on a true line bet.secs.3 and 4

Over mountainous land;through dense pine and scattered aspen timber;and over fallen timber;descending.

40.18 Set a sandstone 18x12x7 ins.12 ins.in the ground for ¼ sec.cor.,marked ¼ on W.face;from which

SUBDIVISION OF T.3 N.R.5 W.

CHAINS.	
	A pine 10 ins.diam.bears N.77°W.65 lks dist. marked ¼ S 4 B T.
	A pine 12 ins.diam.bears S.72°E.45 lks.dist. marked ¼ S 3 B T
47.65	Creek 4 lks wide,drains southeasterly.
	Ascend gradually.
64.00	Ascend abruptly.
80.18	Cor.to secs 3,4,9,and 10.
	Land mountainous.
	Soil rocky;4th rate.
	Timber pine 80.18 chs.
	Mountainous land 80.18 chs.
	November 11,1903.

November 12,1903,

From the cor.of secs 4,5,32 and 33 on S.bdy.of Tp.,which is a sandstone 6x12x5 ins.above ground,firmly set and marked and witnessed as described by Deputies J C Dick and Austin K.Tierman under their contract No.272,I run

N.0°03'W.bet.secs.32 and 33

	Over mountainous land;ascending through pine timber, and over large boulders.
22.35	Top of spur projects easterly;
	Descend abruptly.
29.45	Bottom of steep descent.
40.00	Set a sandstone 22x10x10 ins.17 ins.in the ground for ¼ sec cor.;marked ¼ on W.face;from which
	A pine 9 ins.diam.bears N.70°W.52 lks.dist. marked ¼ S 32 B T
	A pine 9 ins.diam.bears N.65°E.47 lks.dist. marked ¼ S 33 B T
40.50	Ascend.
53.00	Enter scattering aspen and fallen timber.
73.80	Steep ascent over ledges.

SUBDIVISION OF T.3 N.R.5 W.

CHAINS

74.40 Top of spur projects S E.;descend.

80.00 Set a sandstone 24x14x12 ins.18 ins.in the ground for cor.of secs.28,29,32,and 33,marked with.1 notch on S. and 4 notches on E.edge ;from which

A pine 16 ins.diam.bears S.59°E.26 lks.dist. marked T 3 N R 5 W S 33 B T

A pine 26 ins.diam.bears N.73°30'E.56 lks.dist. marked T 3 N R 5 W S 28 B T

A pine 12 ins.diam.bears S.71°W.41 lks.dist. marked T 3 N R 5 W S 32 B T

A pine 12 ins.diam.bears N.50°W.20 lks.dist. marked T 3 N R 5 W S 29 B T

Land mountainous.

Soil rocky;4th rate.

Timber pine and aspen 80.00 chs.

Mountainous land 80.00 chs.

S.89°53'E.on a random line bet.secs.28 and 33

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

79.96 Intersect N.and S.line 14 lks.S.of cor.of secs.27,28, 33 and 34.Thence I run

N.89°59'W.on a true line bet secs.28 and 33.

Ascending over mountainous land;through pine timber.

10.00 Top of spur projects S.:descend.

16.00 Bottom of gulch,drains south.

Ascend.

20.00 Ascend abruptly over large boulders;leave timber bears N and S.

39.98 Set a sandstone 36x14x12 ins.27 ins.in the ground for $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on N.face;and raise a mound of stone 2 ft.base $1\frac{1}{2}$ ft.high N.of cor.

Pits impracticable.

Top of ridge bears N.W and S.E.

SUBDIVISION OF T.3 N.R.5 W.

CHAINS.	
	Descend over heavy slide rock.
67.00	Creek 8 lks.wide,drains southeasterly.
	Ascend.
69.00	Enter pine and aspen timber bears N.and S.
79.96	The cor.of secs.28,29.32.and 33.
	Land mountainous.
	Soil rocky,4th rate.
	Timber pine and aspen 30.96 chs.
	Mountainous land 79.96 chs.

N.0°3'W.bet secs.28 and 29

	Over mountainous land;through pine timber;descending.
12.10	Small creek 8 lks.wide,drains S.E.;ascend.
32.10	Enter scattering aspens.
40.00	Set a sandstone 14x12x5 ins.9 ins.in the ground for ¼ sec.cor.,marked ¼ on W.face;from which
	A pine 7 ins.diam.bears W.41 lks.dist.
	marked ¼ S 29 B T
	An aspen 4 ins.diam.bears E.58 lks.dist.
	marked ¼ S 28 B T
	Enter heavy slide rock,bears E.and W.
49.75	Enter fallen timber bears E.and W.
54.00	Top of small ridge bears N.W.and S.E.;descend.
64.00	Edge of cliff 30 ft.high;descend abruptly.
	Leave timber bears N.W.and S.E.
72.00	Pond containing about 3 acres bears E.3 chs.
80.00	Set a sandstone 20x12x14 ins.15 ins.in the ground for cor.of secs.20,21,28,and 29,marked with 4 notches on E. and 2 notches on S.edges;and raise a mound of stone 2 ft.base 1½ ft.high W.of cor.Pits impracticable.
	Land mountainous.
	Soil rocky;4th rate.
	Timber pine and aspen 64.00 chs.
	Mountainous land 80.00 chs

SUBDIVISION OF T.3 N.R. 5 W.

CHAINS.

S.89°59'E.on a random line bet.secs 21 and 28

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

80.04 Intersect N.and S.line 12 lks.S.of cor.of secs 21,22, 27 and 28.Thence I run

S.89°56'W.on a true line bet.secs.21 and 28.

Over mountainous land;deseend abruptly.

15.00 Enter scattering pine timber bears N.and.S.

Descend gradually.

40.02 Set a sandstone 14x12x7 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.Pits impracticable.

Head of draw drains N.E.

Thence along edge of cliffs;ascend gradually.

68.00 Large sandstone boulders; ascend abruptly.

70.00 Top of ridge bears N.and S.E.

Descend.

72.00 Descend more abruptly;Leave scattering pine,bears N.and S.

80.04 The cor.of secs.20,21,28 and 29.

Land mountainous.

Soil rocky;4th rate.

Timber scattering pine 57.00 chs.

Mountainous land 80.04 chs.

November 12,1903.

November 13,1903.

N.0°03'W.bet secs.20 and 21

Over mountainous land;descending gradually over heavy slide rock.

8.00 Head of draw drains S.W.;ascend.

26.00 Top of ridge bears E.and W.;descend.

37.50 Descend abruptly.

40.00 Set a sandstone 14x12x7 ins.9 ins.in the ground for $\frac{1}{4}$

SUBDIVISION OF T.3 N.R.5 W.

CHAINS	
	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	East side of a small lake about 5 chs.diam.
50.00	Ascend.
51.50	Enter pine timber bears E.and W.
61.00	Spur projects N.E.
	Descend abruptly over slide rock.
64.00	Descend less abruptly.
80.00	Set a sandstone 22x14x12 ins.16 ins.in the ground for cor.of secs.16,17,20,and 21,marked with 4 notches on E. and 3 notches on S.edges;from which
	A pine 8 ins.diam.bears N.58°W.50 lks.dist.
	marked T 3 N R 5 W S 17 B T
	A pine 6 ins.diam.bears N.64°E.50 lks.dist.
	marked T 3 N R 5 W S 16 B T
	A pine 8 ins.diam.bears S.38°E.48 lks.dist.
	marked T 3 N R 5 W S 21 B T
	A pine 9 ins.diam.bears S.18°W.48 lks.dist.
	marked T 3 N R 5 W S 20 B T
	Land mountainous.
	Soil rocky ;4th rate.
	Timber pine 28.50 chs.
	Mountainous land 80.00 chs.
	N.89°56'E.on a random line bet.secs.16 and 21
40.00	Set temp.$\frac{1}{4}$ sec cor.
80.06	Intersect N.and S.line 7 lks.N.of cor.of secs.15,16,21 and 22.Thence I run
	S.89°59'W.on a true line bet.secs.16 and 21
	Over mountainous land;through Riveypine,and dead fallen timber,and over slide rock;descending.
16.00	Leave timber bears N W.and S.E.
19.75	Creek 8 lks.wide,drains southeasterly;ascend.

SUBDIVISION OF T.3 N R.5 W.

CHAINS.

30.50 Enter pine timber bears N W.and S.E.

40.03 Set a sandstone 16x10x7 ins.11 ins.in the ground for ¼ sec.cor.,marked ¼ on N.face;from which

A pine 12 ins.diam.bears S.15°E.55 lks dist. marked ¼ S 21 B T

A pine 10 ins.diam.bears N.38°E.13 lks.dist. marked ¼ S 16 B T

Descend gently.

47.00 Small stream of water 3 lks wide,drains northeasterly. Ascend gradually.

80.06 The cor.of secs.16,17,20 and 21.

Land mountainous.

Soil rocky;4th rate.

Timber pine 65.56 chs.

Mountainous land 80.06 chs.

N.0°3'W.bet.secs.16 and 17

Over mountainous land,very rocky soil;through pine timber;descend.

9.00 Head of draw drains easterly;ascend.

16.00 Spur projects easterly ;descend.

24.00 Draw drains easterly;ascend.

31.50 Top of spur projects E. ;descend.

35.00 Swamp 3 chs.in diam.

38.50 Creek 15 lks.wide,drains easterly.

40.00 Set a sandstone 20x12x10 ins.15 ins.in the ground for ¼ sec.cor.,marked ¼ on W.face;from which

A pine 6 ins.diam.bears N.35°W.36 lks.dist. marked ¼ S 17 B T

A pine 18 ins.diam.bears N.59°E.86 lks.dist. marked ¼ S 16 B T

51.07 South shore of lake. (Note: Crossed lake on ice)

56.00 North shore of lake 5 chs. diam.

56.20 Enter pines;ascend.

SUBDIVISION OF T.3 N.R.5 W.

CHAINS	
75. 00	Top of low ridge bears W*SE.
	Descend.
78.80	West edge of lake 2 chs.diam.
80.00.	Set a sandstone 25x12x10 ins.19 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 pine 12 ins.diam.bears N.85°E.52 lks.dist. marked T 3 N R 5 W S 9 B T.
	A pine 12 ins.diam.bears S.75°W.110.lks.dist. marked T 3 N R 5 W S 17 B T
	No other bearing trees available;therefore I raise a mound of stone 2 ft.base 1½ ft.high W.of cor.
	Pits impracticable.
	Land mountainous.
	Soil rocky;4th rate.
	Timber pine 80.00 chs.
	Mountainous land 80.00 chs.
	November 13,1903.
	November 14,1903.
	N.89°59'E.on a random line bet.secs.9 and 16
40.00	Set temp.¼ sec.cor.
80.07	Intersect N.and S.line 12 lks.S.of cor.of secs.9,10,15 and 16.Thence I run
	S.89°54'W.on a true line bet.secs.9 and 16
	Over mountainous land;through live,and dead fallen pine timber;over large boulders;ascending.
33.00	Top of sandstone cliff 40 ft.high bears N W.and S.E.
	Descend.
40.03½	Set a sandstone 16x14x9 ins.11 ins.in the ground for ¼ sec.cor.,marked ¼ on N.face;from which
	A pine 8 ins.diam.bears N.12°W.40 lks.dist. marked ¼ S 9 B T
	A pine 18 ins.diam.bears S.30°E.50 lks.dist.

BOOK A-310

SUBDIVISION OF T 3 N.R.5 W.

CHAINS

marked ¼ S 16 B T

72.00 Creek 10 lks wide,drains S.E.;ascend.

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

Land mountainous.

Soil rocky;4th rate.

Timber pine 80.07 chs.

Mountainous land 80.07 chs.

N.0°3'W,bet.secs.8 and 9

Over mountainous land;over slide rock and fallen timber;descending.

5. 40 S.side of lake

Set a sandstone 18x10x12 ins.12 ins.in the ground for meander cor.of fracl.secs.8 and 9;marked M C on N.face, with 4 grooves on E.face;and raise a mound of stone 2 ft.base 1½ ft.high S.of cor.Pits impracticable.

Cross lake on ice.

23.90 North bank of lake,

Set a sandstone 16x8x6 ins.11 ins.in the ground for meander cor.of fracl.secs.8 and 9;marked M C on S.face, with 4 grooves on E.face;and raise a mound of stone 2 ft.base 1½ ft.highN.of cor.Pits impracticable.

24.00 Ascend abruptly.

40.00 Set a sandstone 20x12x12 ins.15 ins.in the ground for ¼ sec.cor..marked ¼ on W.face;and raise a mound of stone 2 ft.base 1½ ft.high W.of cor.

Pits impracticable.

Cor.on top of ridge bears N.W.& S.E.

44.00 Descend more abruptly.

51.00 Bottom of steep descent.

63.34 Top of perpendicular cliff 75 ft.high bears N.W.and S.E.

Enter pine and aspen timber.

Descend abruptly.

80.00 Set a sandstone 18x12x10 ins.12 ins.in the ground,for

SUBDIVISION OF T.3 N.R.5 W.

CHAINS	
	cor.of secs.4,5,8 and 9,marked with 5 notches on S.and 4 notches on E.edges;from which
	A pine 24 ins.diam.bears N.65°E.33 lks dist.
	marked T 3 N R 5 W S 4 B T
	A pine 22 ins.diam.bears N.55°W.55 lks.dist.
	marked T 3 N R 5 W S 5 B T
	No other bearing trees available;therefore I raise a mound of stone 2 ft.base 1½ ft.high W.of cor.
	Pits impracticable.
	Land mountainous.
	Soil rocky;4th rate.
	Timber pine and aspen 16.66 chs.
	Mountainous land 80.00 chs.
	N.89°54'E.on a random line bet.secs.4 and 9
40.00	Set temp.¼ sec.cor.
79.94	Intersect N.and S.line 5 lks.N.of cor.of secs 3,4,9 and 10.Thence I run
	S.89°56'W.on a true line bet.secs.4 and 9
	Ascend gradually over mountainous land;through thick pine timber;over heavy slide rock.
38.00	Ascend abruptly.
39.97	Set a sandstone 20x12x14 ins.15 ins.in the ground for ¼ sec cor.,marked ¼ on N.face;from which
	A pine 6 ins.diam.bears S.50°W.22 lks.dist.
	marked ¼ S 9 B T
	A pine 6 ins.diam.bears N.20°E.29 lks.dist.
	marked ¼ S 4 B T
	Continue steep ascent over heavy slide rock and over fallen timber.
70.00	Leave fallen timber bears N.and S.
79.94	The cor.of secs.4,5,8,and 9.
	Land mountainous.
	Soil rocky;4th rate.

SUBDIVISION OF T.3 N.R.5 W.

CHAINS

Timber pine 70.00 chs.

Mountainous land 79.94 chs.

N.0°03'W.on a random line bet.secs.4 and 5

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

80.23 Intersect N.bdy.of Tp.21 lks.E.of cor.of secs.4,5,32,an 33,heretofore described;

Thence I run

S.0°12'E.on a true line bet.secs.4 and 5

Descending over mountainous land.

26.60 Foot of descent.

28.00 Creek 8 lks.wide,drains southeasterly

Ascend.

34.50 Point of spur projects S.E.

Enter heavy pine timber,bears with spur.

Over large boulders;descending.

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

A pine 13 ins.diam.bears N.35°W.70 lks.dist.

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

A pine 10 ins.diam.bears N.85°E.50 lks.dist.

marked $\frac{1}{4}$ S 4 B T

46.50 Creek 10 lks.wide;drains easterly.

Ascend gradually.

80.23. The cor.of secs.4,5,8.and 9.

Land mountainous.

Soil rocky;4th rate.

Timber pine 45.73 chs.

Mountainous land 80.23 chs.

November 14,1903.

SUBDIVISION OF T.3 N.R.5 W.

CHAINS	
	November 15,1903.
	From the corner of secs 5,6,31 and 32 on South boundary of township,which is a sandstone 6 x 6 x 5 ins above ground,firmly set and marked and witnessed as described by Deputies J.C.Dick and Austin K.Tiernan under their contract No.272,I run
	N.0°04'W.bet.secs 31 and 32
	Over mountainous land;through dense pine timber,and over fallen timber;ascending.
20.00	Top of ridge bears E.and W.
37.00	Begin gradual descent.
40.00	Set a sandstone 20x16x9 ins.15 ins.in the ground for ¼ sec.cor.,marked ¼ on W.face;from which
	A pine 14 ins.diam.bears N.47°E.15 lks.dist. marked ¼ S 32 B T
	A pine 16 ins.diam.bears S.77°W.26 lks.dist. marked ¼ S 31 B T
45.00	Head of draw drains E.;ascend.
57.00	Enter slide rock.
60.00	Ascend abruptly.
71.50	Top of ridge bears S.E.and N.W.;descend abruptly.
77.00	Descend less abruptly.
80.00	Set a sandstone 14x12x10 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.edge;from which
	A pine 16 ins.diam.bears S.59°W.50 lks.dist. marked T 3 N R 5 W S 31 B T
	A pine 10 ins.diam.bears S.30°E.15 lks.dist. marked T 3 N R 5 W S 32 B T
	A pine 26 ins.diam.bears N.31°E.47 lks.dist. marked T 3 N R 5 W S 29 B T
	A pine 16 ins.diam.bears N.77°45'W.35 lks.dist. marked T 3 N R 5 W S 30 B T
	Land mountainous.
	Soil rocky;4th rate.

SUBDIVISION OF T.3 N.R.5 W.

CHAINS

Timber pine 80.00 chs.

Mountainous land 80.00 chs.

S.89°53'E.on a random line bet.secs.29 and 32

40.00 Set temp.¼ sec.cor.

80.08 Intersect N and S.line 9 lks.S.of 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 pine timber and dead, fallen trees;ascend abruptly.

5.50 Top of steep ascent.

Ascend gradually along top of ridge bears S.E.and N.W.

32.00 Begin gradual descent,

33.50 Begin steep descent.

40.04 Set a sandstone 12x12x5 ins.8 ins.in the ground for ¼ sec.cor.,marked ¼ on N.face;from which

A pine 30 ins.diam.bears S.43°W.9 lks.dist. marked ¼ S 32 B T

A pine 14 ins.diam.bears N.85°W.36 lks dist. marked ¼ S 29 B T

44.00 Gulch drains S.E.;ascend.

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

Land mountainous.

Soil rocky;4th rate.

Timber pine 80.08 chs.

Mountainous land 80.08 chs.

N.89°53'W.on a random line bet.secs.30 and 31

40.00 Set temp.¼ sec.cor.

75.06 Intersect W.bdy.of Tp.26 lks.N.of cor.of secs.25,30,31, and 36,heretofore described.

Thence I run

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

SUBDIVISION OF T.3 N R.5 W.

CHAINS.	
	Over mountainous land;through pine timber and heavy slide rock;ascending.
35.06	Set a sandstone 12x12x6 ins.8 ins in the ground for ¼ sec.cor.,marked ¼ on N.face;from which
	A pine 16 ins.diam.bears N.17°W.44 lks.dist. marked ¼ S 30 B T
	A pine 30 ins.diam.bears S.20°E.12 lks.dist. marked ¼ S 31 B T
46.00	Leave timber.
56.00	Top of ridge bears N.W.and S.E.
57.00	Along top of ridge over very heavy slide rock.
68.00	Ascend through dense pine timber.
71.00	Top of cliff 20 ft.high;descend abruptly.
75.06	To cor.of secs.29,30,31,and 32.
	Land mountainous.
	Soil rocky;4th rate.
	Timber pine 53.06 chs.
	Mountainous land 75.06 chs.

N.0°04'W.bet.secs.29 and 30

	Over mountainous land;through dense live and dead fallen pine timber.
5.00	Bottom of draw drains easterly;ascend gradually.
20.75	Top of ridge bears N.E.and S.W.
	Descend gradually.
33.00	Spring branch 3 lks.wide,drains easterly.
	Thence gradual ascent.
40.00	Top of spur projects southeasterly,
	Set a sandstone 16x12x7 ins.11 ins.in the ground for ¼ sec.cor.,marked ¼ on W.face;from which
	A pine 12 ins.diam.bears S.60°W.20 lks.dist. marked ¼ S 30 B T
	A pine 7 ins.diam.bears N.17°E.32 lks.dist. marked ¼ S 29 B T

[illegible] OF T.3 N

CHAINS.

Descend gradually.

45.20 Creek 4 lks.wide drains southeasterly.

Ascend.

80.00 Set a sandstone 14x12x5 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;from which

A pine 16 ins.diam.bears S.31°W.60 lks dist.

marked T 3 N R 5 W S 30 B T

A pine 10 ins.diam.bears N.33°W.70 lks.dist.

marked T 3 N R 5 W S 19 B T

A pine 7 ins.diam.bears S.68°E.20 lks dist.

marked T 3 N R 5 W S 29 B T

A pine 16 ins.diam.bears N.19°E.127 lks.dist.

marked T 3 N R 5 W S 20 B T

Land mountainous.

Soil rocky;4th rate.

Timber pine 80.00 chs.

Mountainous land 80.00 chs.

November 15th,1903.

November 16th,1903.

S.89°57'E. on a random line bet.secs,20 and 29

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

79.92 Intersect N.and S.line 12 lks.N.of cor.of secs.20,21,28 and 29.Thence I run

N.89°52'W.on a true line bet.secs.20 and 29,

Over mountainous land;through pine timber;descending.

13.10 Middle of creek 20 lks.wide,drains S.W.

Thence steep ascent;over steep rugged mountain.

20.75 Leave pine timber,bears N.and S.

39.96 Set a sandstone 14x12x6 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.

Pits impracticable.

SUBD VISION OF T.3 N.R.5 W.

CHAINS.	
60.00	Steep ledges,bear N.and S.;
	Enter pine timber bears N.and S.
79.92	The cor.of secs.19,20,29 and 30.
	Land mountainous.
	Soil rocky;4th rate.
	Timber pine 40.67 chs.
	Mountainous land 79.92 chs.

S.89°56'W.on a random line bet.secs.19 and 30

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

75.01 Intersect W.bdy.of Tp.6 lks.N.of cor.of secs.19,24,25, and 30 heretofore described.

Thence I run

N.89°53'E.on a true line bet.secs.19 and 30

Over mountainous land;ascending.gradually along S.slope of ridge bearing N.E.and S.W.;through dense pine timber.

35.01 Set a sandstone 28x12x8 ins.21 ins.in the ground for $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on N.face;from which

A pine 28 ins.diam.bears S.45°E.240 lks.dist. marked $\frac{1}{4}$ S 30 B T

A pine 16 ins.diam.bears N.60°E.160 lks.dist. marked $\frac{1}{4}$ S 19 B T

Leave pines;descend abruptly.

40.00 Descend gradually.

42.00 Spring branch 3 lks.wide,drains S.;ascend.

67.00 Spur projects southerly.

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

Land mountainous.

Soil rocky 4th rate.

Timber pine 35.01 chs.

Mountainous land 75.01 chs.

BOOK A-310

V SIONS OF T.3 N.R.5 W.

CHAINS.

N.0°04'W.bet.secs.19 and 20

Over mountainous land;through scattering pine timber, over sandstone boulders.

14.00 Leave timber;ascend abruptly.

22.50 Top of bald ridge course E and W.

Descend.

29.50 Head of draw drains E.;ascend gradually.

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;raise a mound of stone 2 ft. base $1\frac{1}{2}$ ft.high W.of cor.Pits impracticable.

Ascend gradually over bald hill.

68.00 Top of bald hill.

Descend gradually.

77.00 Steep descent.

80.00 Set a sandstone 24x12x7 ins.18 ins.in the ground for cor.of secs.17,18,19,and 20,marked with 3 notches on S. and 5 notches on E.edge;and raise a mound of stone 2 ft. base $1\frac{1}{2}$ ft.high W.of cor. Pits impracticable.

Land mountainous.

Soil rocky;4th rate.

Timber pine 14.00 chs.

Mountainous land 80.00 chs.

November 16th,1903.

November 17,1903.

S.89°52'E.on a random line bet.secs.17 and 20

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

80.09 Intersect N.and S.line 7 lks.S.of 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 pine timber;ascending.

37.00 Enter heavy slide rock;leave dense pine timber bears N. and S.

SUBDIVISION OF T.3 N.R.5 W.

CHAINS.	
40.04	Set a sandstone 26x12x12 ins.20 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.
41.00	Steep ascent over slide rock.
42.00	Begin gradual ascent.
43.00	Sandstone cliff,50 ft.high.
80.09	The cor.of secs.17,18,19,and 20.
	Land mountainous.
	Soil rocky;4th rate.
	Timber pine 37.00 chs.
	Mountainous land 80.09 chs.

	S.89°53'W.on a random line bet.secs.18 and 19
40.00	Set temp.$\frac{1}{4}$ sec.cor.
74.80	Intersect W.bdy.of Tp.7 lks.N.of cor.of secs.13,18,19 and 24,heretofore described.
	Thence I run
	N.89°50'E.on a true line bet.secs.18 and 19
	Over mountainous land;heavy slide rock;descending.
5.00	Begin steep descent.
21.00	Bottom of gulch;enter scattering pine timber.
	Ascend abruptly.
34.80	Set a sandstone 28x20x12 ins.21 ins.in the ground for $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on N.face;and raise a mound of stone 2 ft.base $1\frac{1}{2}$ ft.high N.of cor.
	Pits impracticable.
	Ascend gradually.
60.00	Top of ridge bears N.and S.;descend gradually.
74.80	The cor.of secs 17,18,19,and 20.
	Land mountainous.
	Soil rocky;4th rate.
	Timber scattering pine.
	Mountainous land 74.80 chs.

BDIVISION OF T.3 N.R.5 W.

CHAINS

N.0°04'W.bet.secs.17 and 18

Over mountainous land;descending,over slide rock.

32.00 Begin gradual descent;enter scattering pine timber bears E.and W.

40.00 Set a sandstone 14x12x10 ins.9 ins.in the ground for ¼ sec.cor.,marked ¼ on W.face;from which

A pine 14 ins.diam.bears S.70°E.25 lks.dist. marked ¼ S 17 B T

A pine 18 ins.diam.bears S.30°W.40 lks.dist. marked ¼ S 18 B T

50.00 Gulch drains S.E.;ascend through heavy slide rock and scattering pine timber.

61.00 Ascend over cliff 20 ft.high bears E.and W. Thence ascend gradually.

73.00 Top of ridge bears E.and W.;descend.

80.00 Set a sandstone 12x10x7 ins.8 ins.in the ground for cor. of secs.7,8,17,and 18,marked with 4 notches on S.and 5 notches on E.edge;from which

A pine 18 ins.diam.bears N.59°W.120 lks.dist. marked T 3 N R 5 W S 7 B T

A pine 6 ins.diam.bears N.41°45'E.126 lks.dist. marked T 3 N R 5 W S 8 B T

A pine 20 ins.diam.bears S.76°30'E.100 lks.dist. marked T 3 N R 5 W S 17 B T

A pine 16 ins.diam.bears S.20°W.207 lks.dist. marked T 3 N R 5 W S 18 B T

Land mountainous.

Soil rocky;4th rate.

Timber pine and aspen 48.00 chs.

Mountainous land 80.00 chs.

S.89°55'E.on a random line bet.secs.8 and 17

40.00 Set temp.¼ sec.cor.

80.04 Intersect N.and S.line 8 lks.N.of cor.of secs.8,9,16,

CHAINS	
	and 17.
	Thence I run
	N.89°52'W.on a true line bet.secs.8 and 17
	Over mountainous land;through slide rock;descending.
6.00	Enter pine timber.
11.00	East bank of lake. (Note: Chained across lake on ice).
18.00	W.bank of lake about 6 chs.wide.
21. 00	Gradual ascent.
40.02	The point for ¼ sec cor.falls on a sandstone boulder in place,50x40x24 ins above ground,on which I cut a cross (X) at the exact porner point for ¼ sec.cor.;marked ¼ on N.side of cross;from which
	A pine 6 ins.diam.bears N.45°E.42 lks.dist. marked ¼ S 8 B T
	A pine 8 ins.diam.bears S.60°E.83 lks.dist. marked ¼ S 17 B T
	Thence ascend over rocky ground.
68.00	Heavy slide rock begins. Descend.
70.00	Draw drains northerly.
72.00	Begin steep ascent.
	Leave timber.
80.04	The cor.of secs.7,8,17,and 18.
	Land mountainous.
	Soil rocky;4th rate.
	Timber pine 66.00 chs.
	Mountainous land 80.04 chs.
	S.89°50'W.on a random line bet.secs.7 and 18
40.00	Set temp.¼ sec.cor.
74.75	Intersect W.bdy.of Tp.12 lks.S.of cor.of secs.7,12,13 and 18,heretofore described.
	Thence I run
	N.89°55'E.on a true line bet.secs.7 and 18
	Descending over mountainous land and heavy slide rock.
22.00	Begin steep descent.

BOOK A-310

DIVI. ON OF T 3 N R 5 W

CHAINS.

34.00 Foot of steep descent.

34.75 Set a sandstone 20x12x10 ins.15 ins.in the ground for ¼ sec.cor.,marked ¼ on N.face;raise a mound of stone 2 ft. base 1½ ft.high N.of cor.

Pits impracticable.

40.00 Enter dense timber.

Ascend.

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

Land mountainous.

Soil rocky;4th rate.

Timber pine 34.75 chs.

Mountainous land 74.75 chs.

November 17,1903.

November 18,1903.

N.0°04'W. bet.secs.7 and 8

Over mountainous land and heavy slide rock;descending through scattering pine timber.

6.00 Descend abruptly.

11.00 Descend less abruptly.

16.00 West edge of lake about 60 lks E.of line,containing abo 12 acres.

19.00 Ascend abruptly.

22.00 Ascend gradually.

25.00 Leave timber.

28.00 West edge of small lake 100 lks.E.of line,containing about 2 acres.

Ascend gradually.

30.50 Begin steep ascent over slide rock.

38.00 Ascend gradually.

40.00 Set a sandstone 15x14x8 ins.10 ins.in the ground for ¼ sec.cor.marked ¼ on W.face;and raise a mound of stone 2 ft.base 1½ ft.high W.of cor.

Pits impracticable.

46.50 Top of ridge bears E.and W.

SUBDIVISION OF T.3 N.R.5 W.

CHAINS.	
	Descend gradually.
52.00	Descend abruptly.
64.75	Enter timber bears E.and W.
	Head of draw drains N.E.;ascend.
74.50	Leave timber bears E.and W.
80.00	Set a sandstone 18x16x7 ins.12 ins.in the ground for cor.of secs.5,6,7,and 8,marked with 5 notches on E.and S.edges;and raise a mound of stone 2 ft.base 1½ ft.high W.of cor.Pits impracticable.
	Land mountainous.
	Soil rocky;4th rate.
	Timber pine 34.75 chs.
	Mountainous land 80.00 chs.

	S.89°52'E.on a random line bet.secs.5 and 8
40.00	Set temp.¼ sec.cor.
80.13	Intersect N.and S.line 12 lks.S.of cor.of secs.4,5,8 and 9.Thence I run
	N.89°57'W.on a true line bet.secs.5 and 8
	Over mountainous land and heavy slide rock.
9.00	Leave slide rock.
29.00	Enter pine timber bears N.and S.
34.00	N.edge of lake 1 ch.S.of line,containing about 3 acres.
	Spring branch 5 lks.wide,drains northerly.
40.06	Set a sandstone 20x14x12 ins.15 ins.in the ground for ¼ sec.cor.,marked ¼ on N.face;from which
	A pine 16 ins.diam.bears N.60°W.43 lks.dist. marked ¼ S 5 B T
	A pine 14 ins.diam.bears S.35°E.22 lks.dist. marked ¼ S 8 B T
41.00	South edge of lake,about 3 chs.N.of line containing about 2½ acres.
70.00	Bottom of mountain;ascend abruptly over large boulders.
	Leave timber bears E.and W.

CHAIN
80.13 The cor.of secs.5,6,7,and 8.

Land mountainous.

Soil rocky;4th rate.

Timber pine 41 chs.

Mountainous land 80.13 chs.

S.89°55'W.on a random line bet.secs.6 and 7

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

74.51 Intersect W.bdy.of Tp.4 lks.S.of cor.of secs.1,6,7, and 12,heretofore described.

Thence I run

N.89°57'E.on a true line bet.secs.6 and 7

Over mountainous land;descending over heavy slide rock, and ledges.

34.51 Set a sandstone 22x12x10 ins.17 ins.in the ground for $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on N.face;and raise a mound of ston 2 ft.base $1\frac{1}{2}$ ft.high N.of cor.

Pits impracticable.

74.51 The cor.of secs.5,6,7,and 8.

Land mountainous.

Soil rocky;4th rate.

No timber.

Mountainous land 74.51 chs.

N.0°04'W.on a random line bet.secs.5 and 6

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

79.92 Intersect N.bdy.of Tp.18 lks.E.of cor.of secs.5,6,31, and 32,heretofore described.

Thence I run

S.0°12'E.on a true line bet.secs.5 and 6

Over mountainous land;through dense pine timber;over heavy slide rock;ascending.

39.92 Set a sandstone 12x10x9 ins.8 ins.in the ground for $\frac{1}{4}$

SUBDIVISION OF T.3 N.R.5 W.

CHAINS.	
	sec.cor.,marked ¼ on W.face;from which
	A pine 8 ins.diam.bears S.26°E.37 lks dist.
	marked ¼ S 5 B T
	A pine 7 ins diam.bears N.89°W.46 lks dist.
	marked ¼ S 6 B T
	Thence over heavy slide rock;through scattering pine timber.
	Ascend gradually.
66.00	Top of ridge bears E.and W.;descend.
	Leave timber.
79.92	The cor.of secs.5,6,7,and 8.
	Land mountainous.
	Soil rocky;4th rate.
	Timber pine 66.00 chs.
	Mountainous land 79.92 chs.
	November 18,1903.

In order to locate small lake in secs.8 and 9,I proceed as follows:

I begin at the meander cor.of fracl.secs.8 and 9 on S. bdy.of lake,heretofore described.Thence I run with meanders in sec.9,over large sandstone boulders,through dense undergrowth

N.85°15'E.4.80 chs.At 2.00 chs.outlet of lake 20 lks.wid drains S.E.

N.32°W.8.40 chs.

N.0°30'W.2.60 chs.

N.72°45'E.3.90 chs.

N.4°30'E.2.40 chs.

N.41°30'W.6.30 chs. to meander cor.fracl.secs.8 and 9

Land rough.

Soil rocky;4th rate.

Timber scattering pine.

Dense undergrowth 28.40 chs.

MEANDERS T.3 N.R.5 W.

Thence in sec.8,through scattering timber and dense undergrowth.

N.75°15'W. 5.60 chs.

S.84°W. 9.20 chs.

N.76°45'W. 6.00 chs.

S.10°E. 4.70 chs.

S.82°15'W 6.50 chs.

S.10°30'E. 6.10 chs. At 3 chs.inlet to lake 10 lks.wide flows easterly.

S.64°15'E. 5.30 chs.

S.19°30'W. 3.30 chs.

S.67°30'E. 5.40 chs. At 3 chs.creek 5 lks.wide flows northerly.

N.32°30'E. 2.60 chs.

N.82°30'E. 6.90 chs.

S.9°W. 2.60 chs.

S.77°15'E. 8.55 chs.to meander cor.of fracl.secs.8 and 9.

Land rough.

Soil rocky;4th rate.

Timber scattering pine.

Dense undergrowth 72.75 chs. Nov.14,1903.

GENERAL DESCRIPTION.

....ooo.....

This township is wholly mountainous,and almost inaccessible.The soil is very rocky and stony throughout the entire township.

The township is exceptionally well watered,by numerous streams,the largest of which,Lake Fork Creek,a tributary to the Du Chesne River,flows through the township from northwest to southeast.

The township is well timbered with pine and aspen. Much of the timber has been burned out,and many portions

GENERAL DESCRIPTION OF T.3 N.R.5 W.

of the township are covered with dead and fallen timber, but a new growth is springing up.

There are numerous small lakes in the township, in secs.5,8,9,16,17 and 20, the largest of which is in secs. 8 and 9.

There are no settlers in the township. There are no indications of mineral in the township.

James T. Foster
U.S Deputy Surveyor.

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by James F. Trotter United States Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the survey of the Subdivisions of Tp. 3 N. R. 5 West of the Salt Lake Base & Meridian, Utah showing the respective capacities in which they acted:

Leith Morrison, Chainman.
Jay Morrison, Chainman.
W. L. Rowland, Moundman.
, Moundman.
John Graham, Axman.
J. A. Dull, Axman.
M. Brown, Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted James F. Trotter, United States Deputy Surveyor, in surveying all part or portions of the Subdivisions of T. 3 N. R. 5 W. of the Salt Lake Base & meridian, State of Utah, which are represented in the foregoing field notes as having been surveyed by him and under his direction; and that said survey was in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the monuments established, according to the instructions furnished by the United States Surveyor for Utah.

Leith Morrison, Chainman.
, Chainman.
W. L. Rowland, Moundman.
, Moundman.
John Graham, Axman.
J. A. Dull, Axman.
M. Brown, Flagman.

Subscribed and sworn to before me this 18th day of November 1903, 189

SEAL

James F. Trotter
U. S. Deputy Surveyor

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, James T. Trotter, United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from Edward H. Anderson, United States Surveyor General for Utah, bearing date of the 22nd day of July, 1903, I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for Utah, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of the subdivisions of Sec. 28 Ag. 1904

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

James T. Trotter
United States Deputy Surveyor

Subscribed by said James T. Trotter, and sworn to before me this 16th day of June 1904

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

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, June 20, 1904

The foregoing field notes of the survey of the subdivisions of Sec. 28 Ag. 1904 Township 1 North Range 1 West of the United States Meridian, Utah

assented by James T. Trotter under his contract No. [illegible] dated July 22, 1903, having been carefully 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