Volume

#

R0292

BOOK A-292

INDEX DIAGRAM.

Township 3 S., *Range* 6 E.

6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
92 91	90 88	89	87	63 85	86
19 20 74	20 70	21 67	22 62	23 53	24
73	72	69	65	61	52
20 30 72	29 68	28 65	27 60	26 51	25 18
58	57	56	56	54	50
21 31 71	32 68	33 63	34 59	35 49	36 19
38	37	36	36	34	33

Meanders Page

C—151

PRELIMINARY OATHS OF ASSISTANTS.

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

.....

....., *Chainman.*

....., *Chainman.*

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

SEAL

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

.....

....., *Moundman.*

....., *Moundman.*

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

SEAL

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

.....

....., *Axman.*

....., *Axman.*

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

SEAL

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

....., *Flagman.*

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

SEAL

BOOK A-292

INDEX DIAGRAM.

Township 3 S., *Range* 5 E.

	113		114		115		116		111
6 180		5 160		4 152		3 144		2 135	1
	159		159		151		143		135
7 179		8 158		9 150		10 143		11 134	12
	157		156		150		142		133
18 178		17 156		16 149		15 141		14 132	13 110
	176	155		153		148		141	131 111
19 177		20 154		21 148		22 140		23 130	24
	176		147		146		139		129
30		29 174		28 145		27 139		26 129	25
			174		138		137		128
31		32		33 172		34 137 171		35 127	36
					107		107		108 109

Meanders Page

C—151

PRELIMINARY OATHS OF ASSISTANTS.

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

.....

....., *Chainman.*

....., *Chainman.*

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

SEAL

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

.....

....., *Moundman.*

....., *Moundman.*

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

SEAL

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

.....

....., *Axman.*

....., *Axman.*

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

SEAL

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

....., *Flagman.*

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

SEAL

BOOK A-292

INDEX DIAGRAM.

Township 3 S., *Range* 4 E.

287	286	286	285	284	284
193 6 267 5	253 4	244 3	240 2	236 1	283
266	265	252	243	240	235
194 7 264 8	251 9	243 10	239 11	235 12	282
263	263	245	241	238	234 212
194 18 262 17	246 16	242 15	237 14	233 13	282
261	260	247	215	214	211
195 19 259 20	247 21	215 220 22	213 23	210 24	282
255	254	248 219			
196 30 255 29	249 28	219 27	26	25	
257	256	218			
197 31 258 32	250 33	217 34	35	36	
279	280	281			

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 [illegible] on ground, and plumb the tally pins, either by sticking or dropping the same; that [illegible] the true distances to all notable objects, and the true lengths of all lines that we assist in [illegible], 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 [illegible] according to instructions given me, to the best of my skill and ability, in the [illegible]

.....

., *Flagman.*

[illegible] before me this .....
, 189

SEAL

.....

BOOK A-292

INDEX DIAGRAM.

Township 1 S, *Range* 2 E

6	5	4	3	2	1
7	8	9	10	11	12
	378	376	374	368	367
18 378	17 375	16 374	15 366	14 365	13 318
	352	349	347	340	334
319 19 351	20 348	21 346	22 339	23 333	24 318
344	343	342	342	338	332
30 350 371	29 348 372	28 345 369	27 338	26 331	25 318
	371	373	337	336	330
31	32 379	33 341 369	34 335	35 329	36 318
316	316	301	301	302	303

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

.....

BOOK A-292

INDEX DIAGRAM.

Township 9 N., *Range* 3 W.

	6	5	4	3	2	1
426	7	8	9	10	11	12
427	18	17	16	15	14	13
428	19	20	21	22	23	24
428	30	29	28	27	26	25
430	31	32	33	34	35	36
	414	413	412			

This survey does not affect the old original survey, see Hon. Com's. letter "E" dated Aug. 8-1903.

393

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

BOOK A-292

INDEX DIAGRAM.

Township 9 N., *Range* 4 W.

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	27 455	26 453	25
				454	452
31	32	33	34	35 451	36
					441

Meanders Page 456-7

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

4—679.

A. ✓

BOOK A-292

FIELD NOTES

OF THE SURVEY OF THE

East and West Boundaries

of

Township No. 3 South Range No. 6 East

Of the Salt Lake Base and Meridian,

Utah

AS SURVEYED BY

Andrew P. Hanson, United States Deputy Surveyor,

nder his Contract No. 244, dated April 12, 1901

urvey commenced September 4, 1901

urvey completed September 6, 1901

6—151

m. chs lks —
E. bdry — high 1 - 76 - 47 ✓
W. " " 2 - 38 - 42 ✓
Closing

6.89 ✓

4-34-89

NAMES AND DUTIES OF ASSISTANTS.

W F Clark ---- Chainman

B. R Lawrence --- "

W F Clark --- Moundman

Alfred Carlson --- Moundman

B R Lawrence ---- Axman

Tho Lawrence Jr --- Axman

Alfred Carlson ---- Flagman

6—151

BOOK A-292

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, D F Clark and B R Lawrence 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 E. bdy of Tps 3 S. Rs 6 and 5 E — W. bdy of Tp 3 S. R 4 E — S and W. bdys of Tp. 2 S. R. 3 E. and S. bdy. of Tp. 1 S. R 2 E.

D F Clark, *Chainman.*

B. R Lawrence, *Chainman.*

Subscribed and sworn to before me this 3rd day of September 1901, ~~189~~

Sam Raney
Notary Public

SEAL

WE, D F Clark and Alfred Carlson do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey of The E. bdy of Tps 3 S. Rs 6 and 5 E — W. bdy of Tp 3 S R 4 E — S and W. bdys of Tp 2 S R 3 E and S bdy of Tp. 1 S. R 2 E

D F Clark, *Moundman.*

Alfred Carlson, *Moundman.*

Subscribed and sworn to before me this 3rd day of September 1901, ~~189~~

Sam Raney
Notary Public

SEAL

WE, B R Lawrence and Thos Lawrence Jr 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 E. bdy. of Tps 3 S. Rs 6 and 5 E — W. bdy of Tp. 3 S. R 4 E — S and W. bdys of Tp. 2 S. R. 3 E. and S. bdy. of Tp. 1 S. R. 2 E.

B. R. Lawrence, *Axman.*

Thos Lawrence Jr., *Axman.*

Subscribed and sworn to before me this 3rd day of September 1901, ~~189~~

Sam Raney
Notary Public

SEAL

I, Alfred Carlson, do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of The E. bdy of Tps 3 S. Rs 6 and 5 E — W. bdy of Tp 3 S R 4 E — S and W bdys of Tp 2 S R 3 E and S. bdy of Tp 1 S R 2 E.

Alfred Carlson, *Flagman.*

Subscribed and sworn to before me this 3rd day of September 1901, ~~189~~

Sam Raney
Notary Public

SEAL

East Boundary of T.3S R6E

Chains

Survey commenced September 4. 1901 and executed with a Gurley light mountain transit with solar attachment. - The horizontal limb is provided with two double verniers placed opposite to each other reading to single minutes of arc which is also the least count of the verniers of the latitude and declination arcs.

The instrument was examined, tested on the true meridian at Salt Lake found correct and was approved by the Surveyor general for Utah April 13. 1901

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

September 4: at my camp. near the N.E. cor. of secs. 19. T.3S R7E. which I have fully identified latitude 40°33' N longitude 111°12' W. at 4h 31m p.m. 1 m.t. I set off 40°33' N. on the lat. arc 7°12' N. on the decl. arc. determine a true meridian with the solar: and mark a point thereof on a stone firmly set in the ground 5.00 chs. N of my station. -

At 8h 35m p.m. 1. m.t. I observe Polaris at eastern elongation in accordance with Manual of Instructions and mark a point on the line thus determined by a nail driven in a plug set firmly in the ground 5.00 chs N. of the instrument. -

September 4. 1901

September 5: at 7h 3m a m 1 m.t. I lay off the azimuth of Polaris 1°36' to the west and mark the true meridian thus determined on the stone set September 4:

At 7h 30m a m, 1. m.t. I set off 40°33' N. on the lat arc 6° 58' 30" N. on the decl. arc and mark a point in the true meridian determined by the solar on the stone already set 5.00 chs N. of my station: and measuring the three separate marks made on the stone I find the meridian

chains	indicated by p.m and a.m. solar observation to be respectively 1. ins east and west of the true meridian established by Polaris observation or within 1' of arc and conclude the adjustments of the instrument are satisfactory. —
X	At the cor of Tps. 3 and 4 S Rs 6 and 7 E which is a tree marked and witnessed as described by the surveyor general at 2h 45m p.m. I set off 40°30'25" N on the lat arc 6°51' N on the decl. arc and determine a true meridian with the solar. — The magnetic bearing of the true meridian at 2h 45m p.m. is 16°45' W. : the angle thus determined reduced by the table page 100 gives the mean mag. decl. 16°48' E I begin at the cor above described Thence I run North on a random line along the E. bdy. of Tp. 3 S. R. 6 E. setting temp. 1/4 sec and sec. cors. at intervals of 40.00 chs; at 156.10 chs the cor. of secs. 19-20-29 and 30 on E. bdy. of Tp. bears E. 10.70 chs. being a stone firmly set marked and witnessed as described by the surveyor general: The falling answers to a correction of 3°56' or a course and distance of S. 3°56' W. 156.47 chs. between the two corners and under my Special Instruction authorized by the Hon. Commissioner letter "E" dated November 7 1900 the line may be so established. I resume S. 3°56' W. bet. secs. 25 and 36 Over mountainous land Ascending in dense timber and undergrowth
20.00	top of ridge bears N 20° W and S. 20° E 120 ft. above cor. Begin descent
28.50	Leave timber course N.W. and S.E. and begin abrupt descent —
36.19	set a porphyry stone 17 x 11 x 6 ins. 12 ins in the ground for 1/4 sec. cor. marked 1/4 on cor. face: raised a mound of stones 2 ft. base 1½ ft. high W. of cor. Pits impracticable. —
69.40	West branch of Beech Creek 5 lks wide course E. about 10 chs below springs forming head of stream and in bottom of narrow gulch 530 ft. below top of ridge. —

East boundary of T 3 S R 6 E

chains. Begin ascent, in timber, course parallel with stream
76.28 Set a porphyry stone 17x10x6 ins. 12 ins. in the ground for cor. of secs. 25-30-31 and 36 marked with 1 notch on S. and 5 notches on N. edge from which
A pine tree 9 ins. diam. bears S 17° 30' W. 66 lks. dist. marked T 3 S R 6 E S. 36 B.T.
A pine tree 10 ins. diam. bears N 29° 20' W. 15 lks. dist. marked T 3 S R 6 E. S 25 B.T.
No other trees with limit: raised a mound of stones 2 ft. base 1½ ft. high W. of cor.
Pits impracticable
This cor. stands 130 ft. above creek.
Land mountainous
Soil gravely 3rd rate
Timber aspen and pine of fair quality
Mountainous land 76.28 chs. —

S. 3° 56' W. bet. secs. 31 and 36
Over mountainous land
Ascending on N.W. slope in timber and undergrowth
40.10 Set a porphyry stone 16x9x8 ins. 11 ins. in the ground for ¼ sec cor. marked ¼ on W. face from which
An aspen tree 4 ins. diam. bears S 7° 0' E 27 lks dist. marked ¼ S 31 B.T.
A pine tree 10 ins. diam. bears S 24° 5' W. 69 lks. dist. marked ¼ S 36 B.T.
43.50 Top of ridge bears N 25° E and S 25° W. 425 ft. above sec. cor. — Descend
74.15 Bottom of hollow drains N.E. 230 ft. below ridge
Ascending to
80.19 The cor. of Tps 3 and 4 S. Rs 6 and 7 E.
This cor. stands 90 ft. above hollow
Land mountainous
Soil gravely and rocky 3rd and 4th rate
Timber aspen and pine of fair quality
Mountainous land 80.19 chs. —

September 5, 1901

September 6: at 8 h 35 m a.m. I set off 40° 30' 25" N. on the lat. arc 6° 34'. N. on the decl. arc and determine a true meridian with the solar

West boundary of T. 3 S. R. 6 E.

chains	at the N.W. cor of Tp. 4 S. R. 6 E which is a stone 18 x 8 x 6 inc. set 6 inc in the ground and marked with 6 notches on N. S. E and W. edges: a scattering mound of stones on W. of cor. Thence I run
	North on a random line along the W. bdy. of Tp. 3 S R 6 E. setting temp 1/4 sec and sec. cors. at intervals of 40.00 chs; at 198.42 chs. the 1/4 sec. cor. bet secs. 19 and 24 bears E. 6.89 chs. being a stone firmly set marked and witnessed as described by the surveyor general.— The falling being without the limit I abandon my random line and run from said cor.
	South bet S. half of secs. 19 and 24
	Over mountainous land
	Ascending gradually in dense aspen brake and brush
3.50	Top of ridge dividing watersheds bears E. and W.
	Leave aspen brake course E. and W.
	Begin descent on steep broken S.W. slope
38.42	Set a porphyry stone 18 x 8 x 6 inc. 12 inc. in the ground for cor. of secs. 19-24-25 and 30 marked with 4 notches on N. and 2 notches on S. edges raised a mound of stones 2 ft. base 1 1/2 ft. high W. of cor. Pits impracticable.—
	This cor stands 300 ft. below top of ridge
	Land mountainous
	Soil gravely and rocky 3rd rate
	No timber. - aspen brake and shrubs underneath
	Mountainous land 38.42 chs.—
	September 6: At this cor. I set off 6° 30' 30" N on the decl. arc and at 11h 58m a.m. I not observe the sun on the meridian; the resulting lat. is 40° 32' N.
	South bet. secs. 25 and 30
	Over mountainous land
	Descending gradually on steep broken S.W slope
40.00	Set a porphyry stone 18 x 11 x 3 1/2 inches for 1/4 sec. cor marked 1/4 on W. face: raised a mound of stones 2 ft. base 1 1/2 ft. high W. of cor. Pits impracticable
43.30	Dry wash in bottom of Little Pole Gulch course S. 20° E 315 ft below sec. cor.
	Thence along bottom of gulch, in dense brush

West boundary of T 3 S R 6 E

chains	
	and scattering timber
47.10	Head of spring 30 lks. diam. drains S.
49.83	Leave spring branch turns S. 15° E
52.50	Enter same spring branch
53.00	Leave spring branch turns S. 20° E
59.10	Enter spring branch 5 lks wide from N 20° E turns S.
59.80	Leave spring branch turns S 15° E
63.65	Enter same spring branch
64.20	Leave spring branch turns S 20° E
64.60	Enter mountain road from Heber City, from N 20° W
66.60	Leave road turns S. 15° E
71.00	Same spring branch 5 lks wide course S 20° W.
72.50	Same stream course S 25° E
	Leave bottom of gulch course S 26° E and run on broken & steep to
80.00	Set a porphyry stone 18×10×6 ins. 12 ins. in the ground for cor. of secs. 25-30-31 and 36 marked with 5 notches on N. and 1 notch on S edges; raised a mound of stones 2 ft. base 1½ ft. high W. of cor. Pits impracticable
	Land Mountainous
	Soil gravelly and rocky 3rd rate
	Timber Cottonwood, scattering, and dense rank brush
	Mountainous land 80.00 chs. —
	South bet. secs. 31 and 36
	Over mountainous land
	Descending gradually in dense rank brush and scattering timber
18.10	Enter bottom of Little Pole Gulch course S 20° W
	Road runs parallel with gulch
20.10	Little Pole Creek 5 lks wide good water course S. 20° W.
22.15	Leave bottom of gulch and begin abrupt ascent course S. 20° W. – Leave scattering timber
40.00	Set a porphyry stone 18×10×6 ins. 12 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
60.60	Top of ridge bears N. 35° E and S. 35° W. 340 ft. above creek
	Begin descent on S. E. slope

chains	
80,00	Intersect S. bdy. of Tp. 4 89 chs. S. 88° 57' E. of the N.W. cor. of Tp. 4 S. R. 6 E. as heretofore described, and from which I remove notches on N and W edges and raise a mound of stones 2 ft. base 1½ ft. high S.E. of cor. Pits impracticable.— A stationary porphyry stone 10×10×13 in. above ground for closing cor. of Tps. 3 S. R. 5 5 and 6 E. I mark C.C. 3 S. on N. 5 E on W and 6 E. on E. faces with V. 6 grooves on N. E and W faces.; raised a mound of stones 2 ft base 1½ ft. high N. of cor.— Pits impracticable.— A lone bowlder 8×5×5 ft. above ground bears S. 30° E. 8 lks dist. This cor. stands 150 ft. below top of ridge. Land mountainous Soil gravely and rocky 3rd rate Timber cottonwood scattering.— Mountainous land 80,00 chs.— Note: Refering to field notes of former surveys furnished me by the Surveyor general I learn that the exteriors of this township as now of record will not close within the limits and being confident my own work is correct it becomes necessary to retrace the other boundaries in order to locate the error and conclude to commence with the S. bdy. it being the oldest survey and also roughest surface.— September 6, 1901

West Boundary of T. 3 S. R. 6 E.

Chains

Boundaries of T3SR6E
Latitudes departures & Closing errors

Line designated	True bearing	Distance chs.	Latitudes N chs.	Latitudes S chs.	Departures E chs.	Departures W. chs.
West boundary	North	198.42	198.42			
" "	N.1°0'E.	40.20	40.19		.70	
" "	N0°56'W	80.25	80.23			1.31
" "	North	160.00	160.00			
North boundary	East	480.00			480.00	
East "	South	320.00		320.00		
" "	S3°56'W.	156.47		156.10		10.73
South "	S89°51'W	161.25		.42		161.25
" "	N89°39'W	40.30		.25		40.30
" "	S88°06'W	41.14		1.36		41.12
" "	S89°36'W.	78.79		.56		78.79
" "	S87°65'W	76.18		2.77		76.13
" "	N88°57'W	72.55	1.33			72.54
Convergency					.62	
Totals			480.17	481.46	481.32	482.17
				480.17		481.32
Errors of Lat.				1.29	Dep.	0.85

The unsurveyed part of this township is all rough mountainous land and no part of it is suited for cultivation. - It is well watered and affords excellent summer pasture. -
There is but little timber of any considerable value though much small timber, mainly aspen that is being used for firewood and other local consumption. - The township should be subdivided. -

Andrew P. Hanson
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 .....

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

.....

showing the respective capacities in which they acted:

....., *Chainman.*

....., *Chainman.*

....., *Moundman.*

....., *Moundman.*

....., *Axman.*

....., *Axman.*

....., *Flagman.*

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted .....

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

.....

.....

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

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

....., *Chainman.*

....., *Chainman.*

....., *Moundman.*

....., *Moundman.*

....., *Axman.*

....., *Axman.*

....., *Flagman.*

.....

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

SEAL

.....

.....

6—151

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, _____, United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from _____, United States Surveyor General for _____, bearing date of the _____ day of _____, 189 , I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for _____, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of _____ of the _____ meridian, in the _____ of _____, which are represented in the foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for _____ and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey; and should any fraud be detected, I will suffer the penalty of perjury under the provisions of an Act of Congress approved August 8, 1846.

_____
United States Deputy Surveyor

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

SEAL

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, June 9, 1903, 189

The foregoing field notes of the survey of the East & West Boundaries of Township 3 South, Range 6 East of the Salt Lake Base & Meridian, Utah

executed by Andrew P. Hansen under his contract No. 244, dated April 10, 1901, 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

4—679.

B

BOOK A-292

FIELD NOTES

OF THE Re SURVEY OF THE

South Boundary

of

Township No 3 South Range No 6 East

Of the Salt Lake Base and Meridian,

Utah

AS SURVEYED BY

Andrew P. Hanson, United States Deputy Surveyor,

Under his Contract No. 244, dated April 12., 1901

Survey commenced September 7., 1901

Survey completed September 8., 1901

6—151

[illegible] 5-77-10

NAMES AND DUTIES OF ASSISTANTS.

D. F. Clark	Chainman
B. R. Lawrence	"
D. F. Clark	Monumentman
Alfred Carlson	"
B. R. Lawrence	Axman
Thos. Lawrence Jr.	"
Alfred Carlson	Flagman

6—151

Volume
#
R0292

BOOK A-292

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, D F Clark and B R Lawrence 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 RC survey of S. bdy. T 3 S R 6 E – S. E. ¾ of N bdys T. 3 S. R 5 E. – S. E. ¾ of N. bdys. T. 3 S R 4 E – S. E. ¾ of N. bdys. T. 2 S R 3 E. – S. bdy. T. 1 S. R. 2 E. and retracement of E. bdy. T. 1 S. R. 2 E.

D F Clark, Chainman.

B. R. Lawrence, Chainman.

Subscribed and sworn to before me this 3rd day of September 1891, 189

SEAL

Sam Kaney
Notary Public

We, D F Clark and Alfred Carlson 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 RC survey of S. bdy. T 3 S R 6 E – S. E. ¾ of N bdys T. 3 S. R 5 E. – S. E. ¾ of N. bdys T. 3 S. R 4 E – S. E. ¾ of N. bdys T 2 S R 3 E – S. bdy. T 1 S R 2 E and retracement of E. bdy. T 1 S R 2 E

D F Clark, Moundman.

Alfred Carlson, Moundman.

Subscribed and sworn to before me this 3rd day of September 1891, 189

SEAL

Sam Kaney
Notary Public

We, B. R. Lawrence and Thos. Lawrence Jr. 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 RC survey of S bdy. T 3 S. R 6 E – S E and N. bdys T. 3 S R. 5 E. – S. E. ¾ of N. bdys T. 3 S R 4 E – S. E. ¾ of N. bd T. 2 S. R. 3 E. – S. bdy. T 1 S R 2 E and retracement of E. bdy. T 1 S R 2 E

B. R. Lawrence, Axman.

Thos Lawrence Jr, Axman.

Subscribed and sworn to before me this 3rd day of September 1891, 189

SEAL

Sam Kaney
Notary Public

I, Alfred Carlson, 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 S. bdy T. 3 S R 6 E – S. E. ¾ of N. bdy. T 3 S R 5 E – S. E. ¾ of N. bdys T. 3 S R 4 E – S. E. ¾ of N. bdys T 2 S. R 3 E – S. bdy T 1 S R 2 E. and retracement of E. bdy. T 1 S R 2 E.

Alfred Carlson, Flagman.

Subscribed and sworn to before me this 3rd day of September 1891, 189

SEAL

Sam Kaney
Notary Public

South boundary of T 3 S R 6 E – Resurvey

Chains

Survey commenced September 7. 1901 and executed with a Gurley light mountain transit with solar attachment.– The horizontal limb is provided with two double verniers placed opposite to each other reading to single minutes of arc which is also the least count of the verniers of the latitude and declination arcs.—
The instrument was examined tested on the true meridian at Salt Lake found correct and was approved by the surveyor general for Utah april 13. 1901
For examination of adjustments and test of solar apparatus see beginning of field notes of E. bdy. of this Tp. under date of September 4-5 1901 reference to which is hereby made; a complete test being then made, and being confident the instrument still remains in proper adjustment I consider it unnecessary to repeat the test at this time.—
The exterior lines of townships as now of record not closing within limit, necessitating a retracement to locate the error I begin at the N.W. cor of Tp. 4 S. R. 6 E. as heretofore described and run S. 89° 41' E on a blank line along S. bdy. of Tp. 3 S. R. 6 E. and at 37.20 chs. make careful search for the 1/4 sec. cor. as described by the surveyor general but no trace of it could be found and continuing my line at 79.44 chs. found the cor of secs. 5-6-31 and 32 bearing S. 1.03 chs. I therefore continue my line finding no part of the S. bdy. in proper alignment, nor measurements correct, and several of the corners destroyed wholly or in part and I therefore make the following resurvey.—
I begin at the cor. of Tps. 3 and 4 S. R^s 6 and 7 E. as heretofore described
Thence I run
S. 89° 51' W. bet. secs. 1 and 36.
Over mountainous land
Descending on N. W. slope in timber
10.41 Bottom of hollow drains N.E. 75 ft. below cor.—
Ascending

South boundary of T. 3 S. R. 6 E. (Resurvey)

Chains	
26.50	Top of ascent and long ridge running N. 75° E. 120 ft. above hollow. – Thence along fence course about E. and W. Begin gradual descent on rolling surface to
36.00	Bottom of hollow 50 ft. deep course N. 14° E. – Ascending
40.11	The 1/4 sec. cor. being an aspen tree 7 ins. diam. with no visible marking but located from the 2 bearing trees which I found properly marked as described by the surveyor general. – I remark the tree 1/4 S. 36 on N. side 1 on S. side for 1/4 sec. cor. of secs. 1 and 36
41.40	Top of flat ridge 40 ft. high runs N. 15° E
43.00	Begin descent
50.50	Bottom of hollow drains N. 50 ft. deep. Ascending gradually over rolling surface to
80.35	The original cor. of secs. 1-2-35 and 36 which is an aspen tree 6 ins. diam. with markings nearly obliterated. – I remark same T. 3 S. S. 36 on N. E. R. 6 E on S. E. S. 2 on S. W. and S 35 on N. W. sides with 1 notch on E and 5 notches on W. sides from which an aspen tree 5 ins. diam. bearing S. 84° 10' E 14 lks dist. I mark T 4 S R 6 E S. 1 B. T. The original bearing trees in secs. 2-35 and 36 I found as described by the surveyor general. This cor. stands on top of flat ridge running N and S 60 ft. above hollow. Land mountainous. Soil gravelly wash 2nd rate. Timber aspen and pine, thick growth. Mountainous land 80.35 chs.
	September 7: at 4h 35m p.m., 1 m + I set off 40° 30' 25" N. on the lat. arc 6° 5' N. on the decl. arc and determine a true meridian with the solar at the cor. of secs. 1-2-35 and 36 thence I run S 89° 51' W. bet. secs. 2 and 35 – Over mountainous land. Descending, in timber; along fence course S. 89° 51' W.
17.75	Dry wash and bottom of gulch course N. 90 ft. below cor.

South boundary of T. 3 S. R. 6 E. - Resurvey

Chains	Ascending
30.00	Top of spur running N. 15° E 100 ft above wash
	Descend
40.16	The original 1/4 sec. cor. described by the surveyor general as being a tree properly marked, is long dead and rotted but the identical place located bearing tree in sec. 2 which bears S. 18 lks. dist. being an aspen tree 20 in. diam. marked 1/4 S 13 T. — I reestablish this cor as follows
	Set a porphyry stone 16 x 7 x 5 ins 11 ins in the ground for 1/4 sec. cor. marked 1/4 on N. face from which
	An aspen tree 5 ins. diam bears N. 35° 30' W. 25 lks. dist. marked 1/4 S. 35 13 T.
	On the original bearing tree in sec. 2 I add the figure 2. —
	The original bearing tree in sec. 35 is long dead and fallen. —
43.50	Leave timber course N. E. and S. W.
46.20	Dry wash and bottom of hollow 60 ft. deep course N. 30° E. — Ascending in aspen brake
59.00	Top of ridge runs N. and S. 110 ft above wash
	Descending to
70.00	Leave brake course N and S.
73.40	Dry wash in bottom of hollow 80 ft below ridge course N. — ascend
80.90	The original cor. of secs. 2-3-34 and 35 which is a porphyry stone 16 x 8 x 7 ins set 6 ins in the ground and properly marked. —
	I reset stone 11 ins. in the ground and raised a mound of stones 2 ft. base 1½ ft. high W. of cor. Pits impracticable
	Land Mountainous
	Soil gravelly wash 2nd rate
	Timber aspen and scattering pine of fair growth —
	Mountainous land 80.90 chs —
	September 7. 1901

September 8: at 7 45 m a m, I met — I set off

Chains	40° 30' 25" N on the lat. arc 5° 52' N on the decl. arc and determine a true meridian with the solar at the cor of secs. 2-3-34 and 35 on s. bdy. of Tp. thence I run
	N. 89° 39' W. bet. secs. 3 and 34
	Over mountainous land
	Ascending, along fence course N 89° 39' W.
2.00	Top of ridge bears N. and S. Descend
6.50	Wood road bears N.W. and S.E.
21.00	Head of hollow drains N.E 120 ft. below ridge
	Ascending on rolling surface
40.30	The original 1/4 sec. cor. which is a porphyrite stone 16 x 12 x 5 in. lying in a heap of stones I reset cor 11 in. in the ground with the 1/4 mark on N. face and raised a mound of stones 2 ft. base 1½ ft. high N of cor. Pits impracticable. –
	This cor. stands on top of spur running N 20° W. 90 ft. above head of wash. –
	Thence I run S. 88° 06' W. – Descending
57.60	Dry wash in bottom of hollow. drains N. 20° W. 130 ft. below 1/4 sec. cor. – Ascending
66.30	Top of ridge bears N W and S E
	Thence on gradual descent to
81.44	The cor of secs. 3-4-33 and 34 which is a stone firmly set marked and witnessed as described by the surveyor general. –
	Land mountainous
	Soil gravelly wash 3rd rate
	No timber
	Mountainous land 81.44 chs. –
	S. 89° 36' W. bet. secs. 4 and 33
	Over mountainous land
	Descending on bottom of ridge to
20.40	Head of gulch course S 150 ft. below cor.
	Ascending
28.40	Top of spur runs S 90 ft. high. – Descend
39.40	The original 1/4 sec. cor. which is a sandstone 20 x 12 x 6 in. set 4 in. in the ground marked 1/4 on N.W. side with two stones alongside. –

South boundary of T 3 S R 6 E-Resurvey

Chains	I reset stone 15 inc in the ground with 1/4 mark on N face and raise a mound of stones 2 ft. base 1½ ft. high N. of cor. Pits impracticable
56.30	Bottom of gulch 210 ft. below spur, draining S.20° W. – ascending
68.00	Top of spur 90 ft. high runs S 20° W. – descend
70.75	Bottom of ravine 40 ft. deep course S10° W. Thence over steep broken S. slope 4
= 78.79	The original cor. of secs. 4-5-32 and 33 which is a sandstone 18×12×4 inc lying on top of ground and marked with 2 and 4 notches on opposite edges: and small mound of stones alongside I reset stone 12 inc in the ground marked with 2 notches on W. and 4 notches on E. edges and raised a mound of stones 2 ft. base 1½ ft. high W. of cor. Pits impracticable. – Land mountainous Soil gravelly and rocky 3rd rate Timber. a few scrubby cedar and mahogany scattering Mountainous land 78.79 chs. Sep. 8: at this cor. I set off 5°46' N. on the decl. arc and at 11h 58m a.m. I mt observe the sun on the meridian: the resulting lat. is 40°30'25" N. –
	S.87°55' W. bet. secs. 5 and 32 Over mountainous land On steep broken S. slope, in timber descending gradually
39.44	Found trace of original 1/4 sec. cor. being a small mound of stones, markings obliterated, and reestablish cor. as follows Set a sandstone 18×10×5 inc. 12 inc in the ground for 1/4 sec. cor. marked 1/4 on N. face raised a mound of stones 2 ft. base 1½ ft. high N. of cor. Pits impracticable
51.50	Bottom of ravine drains S 20° W. 60 ft deep. – Begin ascent
70.50	Top of spur runs S 25° W. 175 ft. above ravine. Descending on W. slope

South boundary of T. 3 S R 6 E — Resurvey

Chains	
— 76.18	The original cor. of secs. 5-6-31 and 32 which is a stone firmly set marked and witnessed as described by the surveyor general. —
	This cor. stands 120 ft. below top of spur
	Land mountainous
	Soil rocky and gravelly 4th rate
	Timber scrubby cedar and mahogany
	Mountainous land 76.18 chs. —
	N. 88° 57' W bet. secs. 6 and 31
	Over mountainous land
	Descending broken slope
40.00	A careful search disclosed a trace of the original 1/4 sec. cor. which I fully identify and I reestablish it as follows. —
	Set a hackberry stone 18 x 10 x 6 in 12 in in the ground for 1/4 sec. cor. marked 1/4 on N. face raised a mound of stones 2 ft. raw 1½ ft. high N. of cor. Pits impracticable
59.50	Enter bottom of Big Pole Canon course S. 20° W. 400 ft. below sec. cor. and dense thorny brush
60.10	Canon road from Silver City runs parallel with canon
62.05	Big Pole Creek 10 lks. wide course S 20° W. good water
64.00	Begin abrupt ascent course S 20° W and N 20° E
	Leave thorn
72.55	The closing cor. of Tps 3 S Rs 5 and 6 E. heretofore described
— 79.44	The N. 1/4 cor. of Tp 4 S R 6 E. heretofore described
	This cor. stands on top of ridge bearing N 20° E and S. 25° W. 150 ft. above creek
	Land mountainous
	Soil gravelly and rocky 3rd rate
	Cor. trees
	Mountainous land 79.44 chs. —
	September 8, 1901

For general description see field notes of E. and W. bdy. this Tp. Book "A".

Andrew P. Hanson
U.S. Deputy Surveyor

BLANK

PAGE

BLANK

PAGE

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

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

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

.....

showing the respective capacities in which they acted:

....., *Chainman.*

....., *Chainman.*

....., *Moundman.*

....., *Moundman.*

....., *Axman.*

....., *Axman.*

....., *Flagman.*

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted .....

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

.....

.....

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

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

....., *Chainman.*

....., *Chainman.*

....., *Moundman.*

....., *Moundman.*

....., *Axman.*

....., *Axman.*

....., *Flagman.*

.....

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

SEAL

6—151

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, _____, United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from _____ United States Surveyor General for _____, bearing date of the _____ day of _____, 189 , I have w[illegible] 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 _____ _____ _____ _____ _____ of the _____ _____ meridian, in the _____ of _____, which are represented in the foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for _____ and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey; and should any fraud be detected, I will suffer the penalty of perjury under the provisions of an Act of Congress approved August 8, 1846.

_____

United States Deputy Surveyor.

Subscribed by said _____, and sworn to before me this _____ day of _____, 189

SEAL

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, June 9, 1903, 189

The foregoing field notes of the survey of the Sixth Boundary of Township 3 South, Range 6 East, of the Salt Lake Base & Meridian, Utah

executed by Andrew P. Hansen under his contract No. 2444, dated April 12th, 1901, 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

4—679.

C

BOOK A-292

FIELD NOTES

OF THE SURVEY OF THE

Subdivision Lines

of

Township No 3 South Range No 6 East

Of the Salt Lake Base and Meridian,

Utah

AS SURVEYED BY

Andrew P Hanson, United States Deputy Surveyor,

nder his Contract No. 244, dated April 12, 1901

urvey commenced September 9, 1901

urvey completed September 16, 1907

6—151

m- chs lks-
high 26- 60- 45
Arsings- 61- 95

NAMES AND DUTIES OF ASSISTANTS.

D F Clark - - - - Chainman

B R Lawrence - - - "

D F Clark - - - - - Groundman

Alfred Carlson - - - - "

E R Lawrence - - - Axman

Thos Lawrence Jr - - - "

Alfred Carlson - - - - Flagman

6—151

BOOK A-292

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, D F Clark and B R Lawrence 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 lines of Tp. 3 S. Rs. 6-5 and 4 E - Tp. 2 S. R. 3 E. and Tp. 1 S. R. 2 E.

D F Clark, Chainman.

B. R. Lawrence, Chainman.

Subscribed and sworn to before me this 9th day of September 1901, ~~189~~

SEAL

Sam Raney
Notary Public

WE, D F Clark and Alfred Carlson 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 o The subdivision lines of Tp. 3 S. Rs. 6-5 and 4 E - Tp. 2 S R 3 E and Tp. 1 S. R 2 E

D F Clark, Moundman.

Alfred Carlson, Moundman.

Subscribed and sworn to before me this 9th day of September 1901, ~~189~~

SEAL

Sam Raney
Notary Public

WE, B R Lawrence and Thos Lawrence Jr. 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 lines of Tp. 3 S. Rs. 6-5 and 4 E. - Tp. 2 S R 3 E and Tp. 1 S R 2 E.

B. R. Lawrence, Axman.

Thos. Lawrence Jr., Axman.

Subscribed and sworn to before me this 9th day of September 1901, ~~189~~

SEAL

Sam Raney
Notary Public

I, Alfred Carlson, 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 lines of Tp. 3 S. R. 6-5 and 4 E - Tp. 2 S. R. 3 E. and Tp. 1 S. R. 2 E.

Alfred Carlson, Flagman.

Subscribed and sworn to before me this 9th day of September 1901, ~~189~~

SEAL

Sam Raney
Notary Public

C-151

Subdivision of T. 3 S. R. 6 E

claim

Survey commenced September 9. 1901 and executed with a Gurley light mountain transit with solar attachment. The horizontal limb is provided with two double verniers placed opposite to each other reading to single minutes of arc which is also the least count of the verniers of the latitude and declination arcs.—

The instrument was examined, tested on the true meridian at Salt Lake found correct and was approved by the surveyor general for Utah april 13. 1901

To test the adjustments of the solar apparatus I return to the meridian established September 4-5 from Polaris, at my camp near the N. E. Cor of secs. 19 T 3 S R 7 E and fully described at beginning of field notes of E bdy of this Tp. reference to which is hereby made.—

At 7 h 48 m a.m. I set off 46° 33' N. on the lat. arc 5° 29' 30" N. on the decl. arc and obtain the same meridian as before from which I conclude the adjustments still remain true and consider further tests at this time unnecessary.—

I begin at the cor. of secs. 1-2-35 and 36 on S. bdy of Tp. 3 S. R. 6 E. latitude 40° 30' 25" N. longitude 111° 13' W. as heretofore described and at 8 h 50 m a.m. I set off 40° 30' 05" N. on the lat. arc 5° 26' N. on the decl. arc and determine with the solar a true meridian.—

The bearing of the true meridian at 9 h a.m. in N. 16° 49' W. the angle thus determined reduced by the table page 100 gives mean corr decl. 16° 46' E.—

The E. bdy of Tp. being irregular I run from the cor. above described

North bet. secs. 35 and 36 for Decimal Guide Meridian line

Over mountainous and heavily timbered land

Descending gradually through timber and brush

0.08 Fence bears E and W.

40.00 Set a porphyry stone 16 x 8 x 6 ins. 11 ins in

chains	
	the ground for 1/4 sec. cor. from which
	An aspen tree 6 in. diam. bears S 23°45' E 43 lks. dist. marked 1/4 S. 36 B.T.
	An aspen tree 6 in. diam. bears S 89°30' W 49 lks dist. marked 1/4 S 35 B.T.
44.00	Leave timber course N 25° E and S 25° W.
62.06	Dry wash in bottom of open gulch 250 ft. below sec cor., course N. 35° E - ascend
68.50	Enter timber course N 35° E and S 35° W.
80.00	An aspen tree 6 in. diam. for cor. of secs. 25-26-35 and 36 marked T. 3 S. S 25 on N.E. R. 6 E. S. 36 on S.E. S 35 on S W and S 26 on N W sides with 1 notch on S and E. sides from which
	An aspen tree 6 in. diam. bears N 60°30' W. 11 lks dist. marked T 3 S R 6 E S 26 B.T.
	An aspen tree 7 in. diam. bears S 54°35' W. 28 lks dist. marked T. 3 S. R. 6 E. S 35 B.T.
	An aspen tree 6 in. diam. bears S 36°45' E 35 lks dist. marked T 3 S R 6 E S 36 B.T.
	An aspen tree 6 in. diam. bears N 77°32' E. 39 lks dist. marked T 3 S R 6 E S 25 B.T.
	This cor. stands 120 ft above gulch.
	Land mountainous, rolling
	Soil gravely wash 2nd rate
	Timber aspen of dense growth, some very large and a few scattering pine
	Mountainous and heavily timbered land 80.00 chs
	N 89°51' E on a random line bet. secs 25 and 36
40.00	Set temp. 1/4 sec. cor.
85.84	Intersect E. bdy. of Tp. 47 lks. N. of cor. of secs. 25 30-31 and 36 as heretofore described
	Thence from N. 89°49' W. on a true line bet. secs. 25 and 36
	Over mountainous and heavily timbered land
	Descending in scattering timber and brush
4.40	Dry wash and bottom of narrow gulch, 2 chs above small spring draining N.E., and 60 ft. below sec cor.
	Begin abrupt ascent
17.00	ascent becomes more gradual; enter timber

Subdivision of T. 3 S. R. 6 E.

chains	course N. and S..
30.00	Top of ridge 250 ft. above gulch, course N. and S. Descending
39.20	Bottom of gulch drains N. 60 ft. deep, ascend
45.84	Set a porphyry stone 10x8x6 in. 11 in. in the ground for 1/4 sec. cor. marked 1/4 on N. face from which, An aspen tree 6 in. diam. bears S 89° 10' W. 35 lks. dist. marked 1/4 S 06 B.T. An aspen tree 6 in. diam. bears N 56° 32' W. 39 lks. dist. marked 1/4 S 26 B.T.
57.75	Top of ridge bears N. 21° E. and S. 20° W. 75 ft. high Descending
66.00	Level timber course N. 20° E. and S. 20° W.
74.80	Stream 3 ft. wide flows N. 35° E. in bottom of open gulch 100 ft. below top of ridge. — Ascending
77.00	Enter timber course parallel with gulch
85.84	The cor. of secs. 26-26-35 and 36 This cor. stands 90 ft. above gulch, Land mountainous rolling Soil gravelly wash 2nd rate Timber aspen of dense growth and a few scattering pine — Mountainous and heavily timbered land 85.84 chs. Sep. 9: The sky being overcast during the noon hour I was unable to observe the sun on the meridian. —
	North bd. secs. 25 and 26 Over mountainous and heavily timbered land Ascending gradually in dense timber and brush
14.60	Top of ridge bears N. E. and S. W. 70 ft. above cor. Descending
29.00	Level timber course N. E. and S. W.
35.30	Dry wash in bottom of open gulch course N. 25° E 130 ft. below top of ridge. — ascending
38.20	Enter timber course parallel with gulch
40.00	Set a porphyry stone 17x8x6 in. 11 in. in the ground for 1/4 sec. cor. marked 1/4 on W. face from which An aspen tree 5 in. diam. bears N. 88° 28' E. 26 lks.

Chains	
	dist. marked 1/4 S. 25 B.T.
	An aspen tree 6 in. diam. bears S 77°30' W. 7 lks. dist. marked 1/4 S 26 B.T.
45.00	Top of ridge bears N. 35° E and S. 35° W. 75 ft. high. Descend.
60.70	Hollow 90 ft. deep drains N. E.
74.40	Leave timber course E. and W. — Top of ridge bears N.E. and S.W.
80.00	Set a porphyry stone 18×7×5 in. 12 in. in the ground for cor. of sec. 23-24-25 and 26 marked with 2 notches on S. and 1 notch on E. edge raised a mound of stones 2 ft. base 1½ ft. high W. of cor. Pits impracticable
	Thin cor. stands 150 ft. below top of ridge
	Land mountainous rolling
	Soil gravely wash 2nd rate
	Timber aspen of dense growth large and small and a few scattering pine trees
	Mountainous and heavily timbered land 80.00 chs
	Knowing from survey of E. bdy of Tp I can not close within the limit on cor of secs. 19-24-25 and 30 I run
	East bet. secs. 24 and 25 —
	Over mountainous and heavily timbered land
	Ascending gradually
1.60	Enter timber bears N.E. and S.
6.50	Top of flat ridge 50 ft. above cor. course N. 30° E
	Descending gradually
7.50	Leave timber course N. and S.
22.60	Bottom of gulch and dry wash course N. 30° E 50 ft. deep. — ascend
33.10	Enter timber course N. and S. on top of spur 90 ft. above wash. — Descending gradually
37.30	Leave timber course N. and S.
40.00	Set a porphyry stone 18×11×9 in. 12 in in the ground for 1/4 sec. cor. marked 1/4 on N. face from which:
	An aspen tree 5 in diam. bears N 16°45' E 35 lks dist. marked 1/4 S 24 B.T.
	An aspen tree 6 in. diam. bears S. 81°0' E 40 lks. dist. marked 1/4 S. 25 B.T.
40.30	Enter timber course N.W. and S.W.

Subdivision of T. 3 S. R. 6 E.

Chains	
50,00	Leave timber course N. and S.
54,80	Bottom of slope 130 ft. below spur: Bend of gulch and Dry wash from S.W. to S.E. 60 lks S. of line Ascending
57,70	Enter timber course N. and S E
83,00	Top of ridge bears N. and S. 300 ft. above bend Descend
91,30	Intersect E. bdy. of Tp. 440 chs N. of cor of secs. 19-24-25 and 30 as heretofore described and from which I remove markings relating to secs. 24 and 25 thence Set a porphyry stone 18×10×7 ins 12 ins in the ground for closing cor of secs. 24 and 25 marked C C on W face with 3 grooves on N. and S. faces from which An aspen tree 6 ins diam. bears S 56° 40' W. 5 lks. dist. marked T. 3 S. R 6 E S 25 B.T. An aspen tree 11 ins diam. bears N 12° 65' W. 22 lks. marked T 3 S R 6 E S 24 B.T. This cor. stands 60 ft. below ridge Land mountainous Soil gravely wash 2nd rate — Timber aspen of dense growth. all sizes and a few scattering pine Mountainous and heavily timbered land 91,30 chs. — September 9, 1901
	Sept. 10: at 7h 15m a.m. I set off 40° 32' N. on the lat. arc 5° 6' 30" N. on the decl. arc and determine a true meridian with the solar at the cor. of secs. 23-24-25 and 26 thence I run North on a random line bet. secs. 23 and 24
40,00	Set temp 1/4 sec. cor.
74,85	Intersect E and W. line 8.61 chs W. of cor of secs. 13-14-23 and 24 as reestablished by me this date and described in field notes of resurveys of this Tp. Thence I run from cor of secs 13.14.23 & 24 South on a true line bet. secs. 23 and 24

chains	
	Over mountainous and heavily timbered land
	Ascending in heavy timber
15.60	Top of ridge bears E. and W. 160 ft. above cor.
	Leave timber course parallel with ridge. - Descend
33.50	Bottom of Herd Hollow Gulch and dry wash course
	N. 87° E 250 ft. below top of ridge. — ascend
34.85	Set a porphyry stone 17 x 8 x 7 inc. 11 inc. in the
	ground for 1/4 sec. cor. marked 1/4 on W. face:
	raised a mound of stones 2 ft. base 1½ ft. high
	W. of cor. Pits impracticable
38.20	Top of spur E. 50 ft. high — descend
43.50	Dry wash in bottom of gulch 50 ft deep course N. 60° E
	Ascending on broken slope to
66.00	Enter timber course N.E. and S.W.
74.85	Intersect E. and W. line 8.61 chs E. of cor. of secs.
	23-24-25 and 26 from which I remove all
	markings relating to secs. 23 and 24: thence
	I set a porphyry stone 16 x 7 x 6 inc. 11 inc in
	the ground for closing cor of secs. 23 and 24
	marked C.C. on N. face with 1 grove on E and
	3 groves on W. faces from which
	An aspen tree 5 inc. diam. bears N 40° 30' E 16 lks. dist.
	marked T 3 S R 6 E S 24 B.T.
	An aspen tree 6 inc. diam. bears N 16° 42' W. 28 lks. dist.
	marked T. 3 S. R. 6 E. S. 23 B.T
	This cor. stands 230 ft. above gulch on top of ridge course
	N.E. and S.W.
	Land mountainous, rolling
	Soil gravelly wash 3rd rate
	Timber aspen of dense growth, all sizes and a few
	scattering pine
	Over mountainous and heavily timbered land 74.85 chs.

The western 5 miles of the S. bdy. of Tp. being defective in measurment and alinement I go to the cor. of secs. 25-26-35 and 36 as set by myself September 9. 1901

Thence I run

West bet. secs. 26 and 35 on a sectional correction line

Over mountainous and heavily timbered land

Ascending in heavy timber and dense brush

Subdivision of T. 3 S. R. 6 E.

chains	
12,75	Top of ridge bears N.E and S.W. 60 ft above cor. Descending
19,60	Leave timber course N. 25° E and S 25° W.
25,06	Dry wash in bottom of open gulch 100 ft. below ridge course N. 25° E. Ascend
34,10	Enter timber course parallel with gulch
37,00	Top of ridge 80 ft. above gulch course N. 20° E and S 20° W. Descend
40,00	Set a porphyry stone 14×8×6 ins. 9 ins in the ground for ¼ sec. cor. marked ¼ on N. face; from which
	An aspen tree 5 ins. diam. bears S. 8° 5' W. 10 lks. dist. marked ¼ S. 35 B.T.
	An aspen tree 8 ins. diam. bears N 11° 10' W. 23 lks. dist. marked ¼ S 26 B.T.
47,45	Leave timber course N 25° E and S 25° W.
52,25	Wood road course N 25° E and S 25° W
52,75	Dry wash in bottom of open gulch 120 ft. below ridge course N. 25° E Ascending
58,50	A sheep coral 100 ft. diam. bears S. 25 lks.
59,50	Enter timber course N. 25° E. and S. 25° W.
63,00	Top of ridge bears N 25° E and S 25° W. 90 ft. above gulch Descending
73,75	Leave timber course parallel with ridge
76,30	Dry wash and bottom of gulch 60 ft. below ridge course N 20° E. Ascending
80,00	Set a porphyry stone 17×11×5 ins. 11 ins. in the ground for cor of secs. 26-27-34 and 35 marked with 1 notch on S. and 2 notches on E. edges; raised a mound of stones 2 ft. base 1½ ft. high W. of cor.
	Pits impracticable
	Land mountainous rolling
	Soil gravels wash 2nd rate
	Timber. aspen of dense growth and all sizes and a few scattering pine.
	Mountainous and heavily timbered land 80.00 chs.

September 10. 1901

September 11: at 7h 10m a.m. I m.t. I set off 40° 31' N on the lat. arc 4° 44'. N. on the decl arc and

chains	determine a true meridian with the solar at the cor of secs. 26-27-34 and 35 — thence I run West bet. secs. 27 and 34 Over mountainous and heavily timbered land Ascending
4.40	Enter timber course N. and S.
7.00	Top of ridge bears N. 20° E. and S. 20° W. 60 ft. above cor Descending
25.75	Head of gulch draining N. 20° E 75 ft. deep — ascend
31.40	Wagon road bears N. and S.
40.00	Set a porphyry stone 17 x 7 x 5 in. 11 in. in the ground for 1/4 sec. cor. marked 1/4 on N. face: from which An aspen tree 6 in. diam. bears S 70° 30' W 7 lks dist. marked 1/4 S. 34 B.T. An aspen tree 7 in. diam. bears N 12° 30' W. 42 lks. dist. marked 1/4 S. 27 B.T.
40.60	Top of ridge course N 25° E and S 26° W. 90 ft. above gulch. — Descending gradually
46.00	Head of gulch drains N. 25° E. 40 ft. deep — ascending
56.00	Top of ridge dividing watershed. course N. and S.E. Descend
72.15	Head of gulch, course S 55° W. 160 ft. below ridge Thence on S. slope. Leave timber course N W and S E
80.00	A stationary porphyry stone 10 x 6 x 5 in above ground for cor. of secs. 27-28-33 and 34 I mark with 3 notches on E. and 1 notch on S. edge: raised a mound of stones 2 ft. base 1½ ft. high W. of cor. Pits impracticable Land mountainous Soil gravelly with 2nd rate Timber aspen of dense growth and all size and a few scattering pine Mountainous and heavily timbered land 80.00 chs
	West bet. secs. 28 and 33 Over mountainous land On steep S. slope to
15.00	Begin descent on side of canon S.W. slope. Enter dense oak brush and aspen brake
40.00	Set a porphyry stone 18 x 10 x 6 in. 12 in. in the

chains	
	ground for 1/4 sec. cor. marked 1/4 on N. face: raised a mound of stones 2 ft. base 1½ ft. high N. of cor. —
	Pits impracticable. —
40.86	Big Pole Creek in bottom of narrow canon course N. 60° W.; 6 lks wide rapid current good water, about 20 chs below springs in bottom of canon which is head of stream. — 400 ft. below sec. cor.
41.35	Mountain road from Heber City course N 60° W and S 60° E. — Ascending
59.50	Top of spur running N. 200 ft. above creek
	Descend
68.60	Bottom of ravine 100 ft. deep course N.
	Ascending abruptly
79.00	Top of spur running N. 15° E 260 ft. above ravine
	Descending to
80.00	Set a porphyry stone 18×8×6 ins. 12 ins. in the ground for cor. of secs. 28-29-32 and 33 marked with 1 notch on S. and 4 notches on E edges: raised a mound of stones 2 ft. base 1½ ft. high N. of cor. Pits impracticable
	Land mountainous, very broken
	Soil gravely and rocky 4th rate. —
	No timber. — Dense rank brush
	Mountainous land 80.00 chs. —
	September 11 at this cor. I set off 4° 38' N. on the decl. arc and at 11h 57m a.m. ? m.t. observe the sun on the meridian: the resulting lat. is 40° 31' N.
	West bet. secs. 29 and 32
	Over mountainous land
	Descending on steep N.W. slope in dense underbrush
19.80	Bottom of ravine 60 ft. deep drains N.
40.00	Set a porphyry stone 18×10×6 ins. 12 ins in the ground for 1/4 sec. cor. marked 1/4 on N. face: raised a mound of stones 2 ft. base 1½ ft. high N. of cor.
	Pits impracticable
60.00	Descent becomes rocky and broken
71.40	Big Pole Canon Creek 8 lks wide course S 60° W. in bottom of narrow canon 580 ft. below sec. cor.
72.40	Mountain road from Heber City course S 60° W and

Chains	
	N. 60° E. – Begin abrupt ascent – rocky slope
80,00	Set a porphyry stone 18×10×5 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. edges: raised a mound of stones 2 ft. base 1½ ft. high W. of cor. Pits impracticable
	This cor. stands 150 ft. above creek.
	Land mountainous
	Soil gravely and rocky 4th rate
	No timber. – Dense underbrush and brake
	Mountainous land 80,00 chs. –
	Knowing from survey of S. and W. bdys of Tp. I can not close within the limit on W. bdy. I run West bet. secs. 30 and 31
	Over mountainous land
	Ascending gradually on broken S.E. slope
38,00	Top of spur running S 20° W. 200 ft. above cor. descend
40,00	Set a porphyry stone 20×10×7 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
67,80	Wood road in bottom of Little Pole gulch course N and S. 400 ft. below ridge; in fringe of cottonwood trees
68,40	Little Pole Creek 5 lks wide course S.
	Ascending to
69,78	Intersect W. bdy of Tp. 2,[illegible] chs. N. of cor. of secs. 25-30-31 and 36 as heretofore described and from which I deduce all markings relating to secs. 30 and 31 thence
	I set a porphyry stone 18×10×6 ins. 12 ins. in the ground for closing cor. of secs. 30 and 31 Marked C.C. on E face with 1 grove on S and 5 grove on N. faces: raised a mound of stones 2 ft. base 1½ ft. high E. of cor. Pits impracticable
	Land mountainous
	Soil gravely and rocky 3rd and 4th rate
	Timber: a few cottonwoods along creek. –
	Mountainous land 69.78 chs. –
	September 11, 1901

Subdivision of T. 3 S. R. 6 E.

chains	
	September 12: At 7h 12m A.M. 7m P. I set off 40° 31' N. on the lat. arc 4° 21' N. on the decl. arc and determine a true meridian at the cor. of secs. 26-27-34 and 35. Thence I run
	S. 0° 1' E on a random line bet. secs. 34 and 35
40,00	Set temp. 1/4 sec cor.
80,22	Intersect S. bdy of Tp. 92 lks N 89° 51' E of cor. of secs. 2-3-34 and 35 as heretofore described and from which I remove all markings relating to secs. 34 and 35: thence
	I set a porphyry stone 18 x 9 x 6 ins. 12 ins in the ground for closing cor. of secs. 34 and 35 marked C.C. on N. face with 2 groves on E. and 4 groves on W. faces: raised a mound of stones 2 ft. base 1½ ft. high N. of cor. —
	Pits impracticable
	Thence I run
	N 0° 1' W on a true line bet. secs. 34 and 35
	Over mountainous land
	Descending gradually on rolling slope
7,75	Wood road bears N 30° W and S 30° E
28,25	Dry wash in bottom of open gulch course N 25° E 150 ft. below cor. — ascending gradually
33,30	Wood road course N.W. and S.E.
40,22	Set a porphyry stone 16 x 8 x 6 ins. 11 ins in the ground for 1/4 sec. cor. marked 1/4 on W. face raised a mound of stones 2 ft. base 1½ ft. high W. of cor. Pits impracticable
53,00	Top of ridge course N.E. and S.W. 160 ft. above wash
	Begin gradual descent
60,60	Enter timber course E and W.
70,00	Leave timber course E and W.
72,10	A sheep coral 100 ft. diam. bears W. 2. chs.
80,22	The cor. of secs. 26-27-34 and 35
	This cor. stands 130 ft. below top of ridge
	Land mountainous
	Soil gravely wash 2nd rate.
	Timber aspen of dense growth and all sizes
	Mountainous land 80.22 chs. —

chains	
	N. 0° 1' W. bet. secs. 26 and 27.
	Over mountainous and heavily timbered land
	ascending gradually to
4.00	Enter timber course N. 25° E. and S. 25° W.
20.00	Top of ridge course N. 25° E. and S. 25° W. 100 ft. above
	cor. Descending
34.50	Leave timber course N. 20° E and S 20° W.
40.00	Set a porphyry stone 18 x 8 x 6 in. 12 in. in the
	ground for 1/4 sec. cor. marked 1/4 on W. face.
	raised a mound of stones 2 ft. base 1½ ft.
	high W. of cor. Pits impracticable
42.46	Dry wash in bottom of open gulch course
	N. 20° E. 155 ft. below ridge —
	Ascending
57.12	Enter timber course N 30° E and S 30° W.
62.00	Top of flat ridge bears N. 30° E. and S. 30° W. 90
	ft. above wash. — Descending
70.10	Head of hollow drains N.W. 140 ft. below ridge
	ascending gradually to
73.22	Fence bears E and W.
79.00	Top of ascent and open running W. 40 ft.
	above hollow.
80.00	Set a porphyry stone 17 x 10 x 7 in. 11 in. in
	the ground for cor. of secs. 22-23-26 and 27
	marked with 2 notches on S. and E. edges:
	from which
	An aspen tree 3 in. diam. bears S 21° 45' E 26
	lks dist. marked T. 3 S. R. 6 E. S 26 B.T.
	An aspen tree 3 in. diam. bears N. 58° 57' E. 25 lks.
	dist. marked T. 3 S. R. 6 E. S 23 B.T.
	An aspen tree 4 in. diam. bears N. 48° 0' W. 27 lks
	dist. marked T 3 S R 6 E S 22 B.T.
	An aspen tree 4 in diam. bears S 66° 45' W. 62 lks
	dist. marked T 3 S R 6 E S 27 B.T.
	Land mountainous rolling plateau
	Soil gravely wash 2nd rate
	Timber aspen of dense growth and all sizes and
	a few scattering pine
	Mountainous and heavily timbered land 80.00 chs
	September 12: at this cor. I set off 4° 14' 30" N
	on the decl. arc and at 11 h 56 m a.m. I took observ

Subdivision of T 3 S. R 6 E.

Chains	The run on the meridian, the resulting lat is 40° 32' N.
	East on a random line bet. secs. 23 and 26
40.00	Set temp. 1/4 sec. cor.
77.66	Intersect N. and S. line 30 lks N. of cor. of secs. 25 and 26
	Thence I run
	N. 89° 47' W. on a true line bet. secs 23 and 26
	Over mountainous land
	Descending gradually W
1.60	Dry wash in bottom of hollow course N. 20° E
	Ascend
9.50	Top of ridge bears N 20° E and S. 20° W. 75 ft. high. — Descend
15.15	Dry wash in bottom of gulch 80 ft. deep course N. 25° E. — ascend
22.10	Top of ridge bears N 25° E and S 25° W. 50 ft. high Descending
27.70	Dry wash and bottom of gulch course N 25° E Ascending
29.50	Enter timber course parallel with wash
36.00	Leave timber course N. and S.
	Top of ridge bears N. 30° E. and S. 30° W. 60 ft. above wash. — Begin descent
39.83	Set a hopshingy stone 16 x 8 x 6 in. 11 in. in the ground for 1/4 sec. cor. marked 1/4 on N. face, raised a mound of stones 2 ft. base 1½ ft. high N. of cor. Pits impracticable
50.16	Dry wash in bottom of gulch 90 ft. deep course N. 30° E. —
	Tence bears N and S — ascending
54.00	Enter timber course parallel with gulch
71.00	Top of ridge bears N. 20° E and S 20° W. 160 ft. above gulch. — Descend gradually
79.66	The cor of secs. 22-23-26 and 27
	Land mountainous
	Soil gravelly wash 2nd rate
	Timber aspen of dense growth
	Mountainous land 79.66 chs —

Subdivision of T. 3 S. R. 6 E.

Chains	
	N 0°1' W. on a random line bet. secs. 22 and 23
40.00	Set temp 1/4 sec. cor.
74.70	Intersect E. and W. line 8.16 chs. W. of cor. of secs. 14-15 22 and 23 which is a stone firmly set mothed and witnessed as described by the surveyor general.—
	Thence I run from cor of secs 14. 15. 22 & 23.
	S 0°1' E on a true line bet. secs. 22 and 23
	Over mountainous land
	Descending to
14.60	Dry wash and bottom of gulch course N.W. 125 ft below cor.— Ascending
	Enter timber course parallel with gulch
27.00	Top of ridge bears E and W. 140 ft. above wash
	Descend.— Leave timber course E. and W.
34.70	Set a porphyry stone 16 x 8 x 6 ins. 11 ins. in the ground for 1/4 sec. cor. marked 1/4 on W. face; raised a mound of stones 2 ft. base 1½ ft. high W. of cor. Pits impracticable
44.30	Head of gulch course N. 70° W. 100 ft. below ridge Ascending.—
	Enter timber course parallel with gulch
74.70	Intersect E. and W. line 8.16 chs S 89°47' E of cor. of secs. 22-23-26 and 27 from which I remove all markings relating to secs. 22 and 23: thence I set a porphyry stone 16 x 7 x 6 ins. 11 ins in the ground for closing cor of secs. 22 and 23 marked C. C. on N. face with 2 groves on E. and 4 groves on W. faces: from which
	An aspen tree 8 ins. diam. bears N 18°48' W 35 lks dist. marked T 3 S R 6 E S 22 B.T.
	An aspen tree 6 ins. diam. bears N 71°3' E. 20 lks. dist. marked T. 3 S. R. 6 E. S. 23 B.T.
	This cor stands on top of ridge course N 20° E and S. 20° W 150 ft. above gulch
	Land mountainous
	Soil gravely wash 2d rate
	Timber aspen of dense growth, all sizes and a few scattering pine
	Mountainous land 74.70 chs.—
	September 12. 1901

Subdivision of T. 3 S. R. 6 E.

Chains	
	September 13: at 7h 8m a.m., I set up 40° 33' N on the lat. arc 3°58' N. on the decl. arc and determine a true meridian with the solar at the cor of secs. 14-15-22 and 23 thence I run
	S. 89°47' E. on a random line bet. secs. 14 and 23
4,00	Set temp 1/4 sec. cor.
79.94	Intersect N. and S. line 13. lks. S of cor of secs. 13-14-23 and 24
	Thence I run
	N 89°33' W on a true line bet. secs. 14 and 23
	Over mountainous and heavily timbered land ascending, in timber
8.20	Top of spur running N. 90 ft. above cor.
10,00	Begin descent on N.W. slope
24.10	Dry wash in bottom of gulch 170 ft. deep course N. Ascending abruptly
37.00	Leave timber course N. and S.
39.97	Set a porphyry stone 18 x 6 x 6 ins 12 ins. in the ground for 1/4 sec. cor. marked 1/4 on N. face: raised a mound of stones 2 ft. base 1½ ft. high N. of cor. - Pits impracticable
40.50	Top of ridge 200 ft. above gulch, course N. and S.
42.00	Descend
50.00	Head of hollow drains S. 40 ft. deep. ascending gradually
60.00	N.E. cor. of fence course S. and W. bears S. 15 lks.
64,00	Top of ridge bears N. and S. 70 ft. above hollow Descend on S.W. slope along fence to
79.94	The cor. of secs. 14-15-22 and 23
	This cor. stands in fence running E. and W. and 90 ft. below top of ridge. —
	Land mountainous
	Soil gravely wash 3rd rate
	Timber Aspen and scattering pine
	Mountainous and heavily timbered land 79.94 chs.
	Knowing from survey of S. bdy. of Tp. I can not close within limit on cor. of secs. 3-4-33 and 34 I run
	From the cor. of secs. 27-28-33 and 34.
	S. 0°2' E. bet. secs. 33 and 34

chains	
	Over mountainous land
	Descending
4.55	Bottom of hollow drains S.60° W. 60 ft. below cor. —
	Ascending on N.W. slope to
13.00	Top of spur running W. 100 ft. high — Descend
23.70	Dry wash in bottom of gulch 150 ft. deep course W.
	Begin abrupt ascent
25.40	Wood road bears E. and W.
	Enter timber course E. and W.
32.40	Leave timber course E. and W. on top of spur W. — Descend
34.10	Wood road bears N.W. and S.E.
	Wash drains N.W. in head of canon 60 ft. below spur
	Ascending
40.00	Set a porphyry stone 18×8×5 ins. 12 ins. in the ground for 1/4 sec cor. marked 1/4 on W. face: raised a mound of stones 2 ft. base 1½ ft. high W. of cor.
	Pits impracticable. —
	This cor. stands on top of spur running N.W. 70 ft. high. — Descend
43.00	Enter brake course E. and W.
46.20	Leave brake course E. and W.
51.50	Dry wash in bottom of hollow 60 ft. deep course N.W.
	Ascending gradually
52.70	Wood road course N.E. and S.W.
73.50	Top of slope and flat ridge course N.W. and S.E. 100 ft. above wash. —
	Begin gradual descent on plateau to
81.08	Intersect S. bdy. of Tp. 2.36 chs. N 88°06' E of cor. of secs. 3-4-33 and 34 as heretofore described and from which I remove all markings relating to secs. 33 and 34; thence
	I set a porphyry stone 18×10×6 ins. 12 ins. in the ground for closing cor of secs. 33 and 34 marked C.C. on N. face with 3 groves on E. and W. faces: raised a mound of stones 2 ft. base 1½ ft. high N. of cor. — Pits impracticable
	Land Mountainous
	Soil gravely and rocky 2nd and 3rd rate.
	Timber aspen and pine
	Mountainous land 81.08 chs. —
	September 13: At this cor. I set off 3°51'30" N. on

chains	
	the decl. are and at 11h 56m a.m. I set observed the sun on the meridian; the resulting lat is 40° 30'.25 N. —
	From the cor. of secs. 27-28-33 and 34 I run N 0°2' W. bet. secs. 27 and 28
	Over mountainous land
	Ascending
8.00	Top of ridge bears E. and W. 110 ft. above cor.
	Descending
9.70	Enter timber course E and W.
17.00	Bottom of hollow 80 ft. deep, course N. 60° W.
	Ascending.
28.00	Top of spur running W. 75 ft. high. - Descend
39.80	Dry wash in hollow from S.E. turns N.; 60 ft. below spur. —
40.00	Set a porphyry stone 16 x 9 x 7 in. 11 in. in the ground for 1/4 sec. cor. marked 1/4 on W. face; raised a mound of stones 2 ft. base 1½ ft. high W. of cor. Pits impracticable
41.00	Wash turns N.W.
43.80	Leave timber course N.E. and S.W.
46.05	Dry wash and bottom of gulch course S. 65° W.
	Begin ascent
59.00	Top of ridge bears E and W. 160 ft. above gulch
61.45	Mountain road bears E and W. —
	Descend gradually on rolling surface
66.00	Enter timber course N.E. and S.W.
76.70	Fence bears E and W. - Leave timber course E and W.
80.00	Set a porphyry stone 17 x 8 x 6 in. 12 in. in the ground for cor of secs. 21-22-27 and 28 marked with 2 notches on S. and 3 notches on E. edges; raised a mound of stones 2 ft. base 1½ ft. high W. of cor. Pits impracticable. —
	Land Mountainous
	Soil gravelly wash, rocky 2nd and 3rd rate
	Timber aspen of dense growth and all sizes and scattering pine. —
	Mountainous land 80.00 chs. —

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

chains	
40.00	Set temp. 1/4 sec. cor.
80.20	Intersect N. and S. line 16 lks. S. of cor. of secs. 26 and 27
	Thence I run
	S. 89° 53' W. on a true line bet. secs. 22 and 27
	Over mountainous and heavily land
	Descending in timber
5.45	Bottom of gulch and dry wash 60 ft. below cor.
	course N. — ascend
16.70	Top of ridge bears N. and S. 120 ft. high. — Descend
29.10	Dry wash in bottom of gulch course N. 125 ft. deep
	Ascending
35.00	Top of spur running N. 15° E. 60 ft. high. — Descend
40.10	Set a porphyry stone 16 x 8 x 5 ins. 11 ins. in the
	ground for 1/4 sec. cor. marked 1/4 on N. face;
	from which
	An aspen tree 6 ins. diam. bears N. 5° 20' W. 10 lks. dist.
	marked 1/4 S. 22 B.T.
	An aspen tree 4 ins. diam. bears S. 26° 0' E. 36 lks. dist.
	marked 1/4 S. 27 B.T.
42.25	Bottom of gulch and dry wash course N. 25° E. 60 ft.
	deep. — Ascending
49.20	Top of ridge bears N. and S. 60 ft. high. — Descend
53.25	Dry wash in bottom of gulch 40 ft. deep. course N. —
	Ascend
58.00	Top of ridge bears N. and S. 50 ft. above wash. — Descend
68.55	Dry wash in gulch 125 ft. deep course N. — Ascend
75.30	Top of ridge bears N. and S. 90 ft. above wash. — Descend
	Leave timber course N. and S.
80.20	The cor. of secs. 21-22-27 and 28
	This cor. stands 40 ft. below top of ridge
	Land Mountainous
	Soil gravely wash 2nd rate
	Timber aspen. dense growth all sizes and a few
	scattering pine trees
	Mountainous and heavily timbered land 80.20 chs. —
	September 13. 1901.

September 14: At 7h 14m a.m. I set off 40° 32' N. on the lat. arc 3° 35' N. on the decl. arc and determine a true meridian with the solar at the cor. of secs. 21-22-27 and 28 thence I run

Subdivision of T 3 S R 6 E

chains	N 0°2' W. on a random line bet. secs 21 and 22
40.00	Set limst. 1/4 sec cor.
74.75	Intersect E. and W. line 8.52 chs W. of cor. of secs 15-16-21 and 22 as re-established by me this date and described in field notes of resurvey of subdivision lines of this Tp.
	Thence I run from cor of secs 15.16.21 & 22
	S. 0°2' E on a true line bet. secs. 21 and 22
	Over mountainous and heavily timbered land
	Ascending gradually in timber and underbrush on N.E. slope
59.00	Top of spur running E. 100 ft. above cor. — Descend
34.75	Set a porphyry stone 17x9x7 ins 12 ins. in the ground for 1/4 sec. cor. marked 1/4 on N. face; raised a mound of stones 2 ft. base 1½ ft. high W. of cor. Pits impracticable
	No trees of proper size within limit
39.20	Dry wash in bottom of gulch 80 ft. deep course N.30°E
	Ascending on rolling slope to
74.75	Intersect E. and W. line 8.52 chs N 89°53' E. of cor. of secs 21-22-27 and 28 from which I remove all markings relating to secs. 21 and 22; thence
	I set a porphyry stone 16x7x6 ins. 11 ins. in the ground for closing cor. of secs. 21 and 22 marked C.C. on N. face with 3 grooves on E and W. faces:
	from which
	An aspen tree 4 ins. diam. bears N 26° 20' E 38 lks; dist. marked T. 3 S. R. 6 E. S. 22 B.T.
	No other trees within limits. — Raised a mound of stones 2 ft. base 1½ ft. high W. of cor. —
	Pits impracticable. —
	This cor. stands 200 ft. above bottom of gulch. —
	Land Mountainous
	Soil gravelly wash 2nd and 3rd rate
	Timber aspen of small size mostly but dense growth
	Mountainous and heavily timbered land 74.75 chs. —
	September 14: At this cor. I set off 3°28'30" N on the decl. arc and at 11h 56m 6s a.m. I not observe the sun on the meridian; the resulting lat. is 40° 32' N. —

Knowing from survey of S. bdy. of Tp. I can not

chains	close within limit on cor. of secs. 4-5-32 and 33 I run
	From the cor. of secs. 28-29-32 and 33
	S. 0° 2' E. bet. secs. 32 and 33
	Over mountainous land
	Ascending in dense rank brush and brake
1.50	Top of sharp rocky spur running N. 30° E. 20 ft. above cor.
	Thence along steep E. slope and gradual ascent
18.00	Bottom of ravine course N. 30° E.
	Begin ascent on N. slope
33.00	Top of slope bears E. and W. 230 ft. above cor.
	Leave brush and brake course E. and W. and
	Enter rolling plateau and gradual ascent
40.00	Set a porphyry stone 15 x 8 x 6 ins. 10 ins. in the ground for 1/4 sec. cor. marked 1/4 on W. face; raised a mound of stones 2 ft. base 1½ ft. high W. of cor. Pits impracticable
50.00	Top of ascent and flat ridge bears E. and W.
	Begin gradual descent
55.00	Descent becomes abrupt and rocky
	Enter cedar and mahogany
87.64	Intersect S. bdy. of T. p. 1.29 chs. N. 89° 36' E of cor. of secs. 4-5-32 and 33 as heretofore described and from which I remove all markings relating to secs. 32 and 33; Thence
	I set a sandstone 18 x 9 x 6 ins. 12 ins in the ground for closing cor. of secs. 32 and 33 marked C.C. on N. face with 4 groves on E and 2 groves on W. faces; raised a mound of stones 2 ft. base 1½ ft. high N. of cor. Pits impracticable.—
	This cor. stands 500 ft. below top of ridge
	Land mountainous
	Soil gravels and rocky 2nd and 4th rate
	Bottom lines—
	Mountainous land 87.64 chs.—
	From cor. of secs. 28-29-32 and 33 I run
	N. 0° 2' W. bet. secs. 28 and 29
	Over mountainous land
	Ascending abruptly in dense brush and brake N. slope
18.15	Mountain road from Heber City bears N. 75° W. and S. 75° E.

Subdivision of T. 3 S. R. 6 E.

Chains	
19.00	Big Pole Creek in bottom of Canon 400 ft. below cor. rapid current good water 6 lks wide course N. 75° W.
	Begin abrupt ascent. - Leave brake course E and W.
40.00	Set a porphyry stone 18×10×5 ins. 12 ins. in the ground for 1/4 sec. cor. marked 1/4 on W. face: raised a mound of stones 2 ft. base 1½ ft. high W. of cor. Pits impracticable
60.00	Ascent becomes gradual on broken surface
72.00	Top of slope and flat ridge dividing water shed bears E. and N.W. 600 ft. above creek.
	Descend gradually W.
80.00	Set a porphyry stone 17×9×7 ins. 11 ins. in the ground for cor. of secs. 20-21-28 and 29 marked with 2 notches on S. and 4 notches on E. edges raised a mound of stones 2 ft. base 1½ ft. high W. of cor. - Pits impracticable
	Land Mountainous
	Soil rocky and gravelly 3rd and 4th rate
	No timber. - Aspen brake and oak brush
	Mountainous land 80.00 chs. -
	September 14, 1901

September 15: At 7h 10m a.m. I set off 4° 32' N. on the lat. arc 8° 13' N. on the decl arc and determine a true meridian with the solar at the cor. of secs. 20-21-28 and 29 Thence I run East on a random line bet. secs. 21 and 28

40.00	Set temp. 1/4 sec. cor.
80.00	Intersect N and S line at cor of secs. 27 and 28
	Thence I run
	West on a true line bet. secs. 21 and 28
	Over mountainous land
	Descending
2.40	Enter timber course N. and S.
7.85	Dry wash in bottom of gulch 60 ft. below cor. course N. - ascend
12.35	Fence bears N. and S.
16.00	Leave timber course N. and S.
26.85	Mountain road bears N 70° W. an S. 50° E.
33.00	Top of ridge dividing watershed bears N. and S

chains	
	Thence over broken plateau; 200 ft. above gulch
40.00	Set a porphyry stone 17 x 9 x 7, 11 in ground for 1/4 sec. cor. marked 1/4 on N. face; raised a mound of stones 2 ft. base 1½ ft. high N. of cor. Pits impracticable
46.00	Top of flat ridge dividing watershed bears S. 70° E. and S. 65° W.
	Thence on N. slope broken surface
80.00	The cor. of secs. 20-21-28 and 29
	Land mountainous
	Soil gravelly and rocky 3rd rate
	Timber aspen, of small size scanty
	Mountainous land 80.00 chs
	N. 0° 2' W on a random line bet. secs. 20 and 21
35.92	The 1/4 sec. cor. bet. secs. 20 and 21 as reestablished by me this date and fully described in field notes of resurveys of subdivision lines of this Tp. bears E. 9.00 chs.
	Thence I run
	S 0° 2' E on a true line bet. S ½ of secs. 20 and 21
	Over mountainous land
	Descending gradually on E. slope in timber
4.10	Dry wash in bottom of gulch course N. 20° E at 1 ch. above springs forming head of stream
	Begin ascent on broken slope
15.00	Leave timber course E and W
31.40	Mountainous at. From Weber City to Woodland course E. and W.
	Enter timber course E. and W.
35.40	Leave timber course E and W.
36.92	Intersect E. and W. line 9.00 chs E. of cor. of secs. 20-21 28 and 29 from which I remove all markings relating to secs. 20 and 21. Thence
	I set a bracketed stone 16 x 9 x 7 in 11 in in the ground for closing cor. of secs. 20 and 21 marked C. C. on N. face with 4 grooves on E and 2 grooves on W. faces from which
	An aspen tree 5 in. diam. bears N. 48° 0' W. 100 lks. dist. marked T. 3 S. R. 6 E. S 20 B. T
	An aspen tree 5 in. diam. bears N. 33° 09' E 93 lks dist. marked T 3 S R 6 E S 21 B. T
	This cor. stands 200 ft. above the 1/4 sec. cor.

Subdivision of T. 3 S. R. 6 E.

Chains Land mountainous
Soil gravely loam, rocky. 3rd rate
Timber aspen of dense growth and all sizes
and a few scattering pine
Mountainous land 35.92 chs. —
September 15: at this cor. I set off 3° 6' N on the
decl. arc and at 11h 55m a m.? m? observed the sun
on the meridian; the resulting lat. is 40° 32' N.

Knowing from Survey of S. bdy I could not close
on cor of secs. 5-6-31 and 32 within limits I run
From the cor of secs 29-30-31 and 32.
S. 0° 3' E bet. secs. 31 and 32
Over mountainous land
Descending abruptly in dense underbrush.
4.02 Big Pole Creek 8 lks. wide in bottom of narrow
rocky canon 17.0 ft. below cor. course S. 55° W
Begin ascent
4.45 Dug road from Heber City to mountains runs
parallel with creek
19.00 Top of canon bears N. 75° E and S 75° W. 450 ft.
above creek.
Thence over rolling W. slope
40.00 Set a porphyry stone 18 x 9 x 7 ins. 12 ins in
the ground for 1/4 sec. cor. marked 1/4 on W.
face: raised a mound of stones 2 ft. base
1½ ft. high W. of cor. Pits impracticable
79.60 Perpendicular cliff 13 ft. high course E and W
Top of spur running W.
Descending
84.62 Intersect S. bdy of Tp. 2.33 chs N 88° 57' W. of
cor of secs. 5-6-31 and 32 from which I
removed all markings relating to secs. 31
and 32: Thence
I set a porphyry stone 17 x 9 x 6 ins. 11
ins. in the ground for closing cor. of secs.
31 and 32 marked C.C. on N face with 5
groves on E. and 1 grove on W. faces:
raised a mound of stones 2 ft. base 1½ ft.
high N. of cor. Pits impracticable
Land mountainous

Chains Soil rocky and gravelly 3rd and 4th rate
No timber — Dense rank underbrush
Mountainous land 84.62 chs. —

From cor. of secs. 29-30-31 and 32 I run
N. 0° 3' W. bet. secs. 29 and 30
Over mountainous land
Ascending abruptly, in dense underbrush
25.50 Top of canon and ridge bears bears E. and W.
+30 ft. above cor.
Descending to
35.70 Bottom of gulch drains S 70° W. 100 ft. deep.
Ascending
40.00 Set a porphyry stone 18 x 9 x 6 inc. 12 inc. in
the ground for 1/4 sec. cor. marked 1/4 on W.
face: raised a mound of stones 2 ft. base 1½ ft
high W. of cor. Pits impracticable
76.50 Top of ridge bears N 25° W and S 25° E 360 ft.
above gulch
Thence on E. slope and gradual ascent to
80.00 Set a porphyry stone 17 x 8 x 6 inc. 12 inc. in
the ground for cor of secs. 19-20-29 and 30
marked with 2 notches on S. and 6 notches
on E. edges: raised a mound of stones 2 ft.
base 1½ ft. high W. of cor. Pits impracticable
Land mountainous
Soil rocky and gravelly 3rd rate
No timber
Mountainous land 80.00 chs. —
September 15, 1901

September 16: At 7h 3m a.m. I set off
+0° 32' N. on the lat. arc 2° 49' N. on the decl. arc
and determine a true meridian with the
solar at the cor of secs. 19-20-29 and 30
Thence I run
East on a random line bet. secs. 20 and 29
40.00 Set temp. 1/4 sec. cor.
80.10 Intersect N. and S. line 7 chs N. of cor of secs. 28 and
29
Thence I run

Subdivision of T. 3 S. R. 6 E.

Chains	N. 89° 57' W. on a true line bet. secs. 20 and 29
	Over mountainous land
	Ascending on rolling plateau
2.50	Top of flat ridge bears N. W. and S. E.; divide of watershed. —
	Begin gradual descent
20.00	Descent becomes steep on W. slope
26.00	Mountain road bears S. 75° W and N. 75° E
26.70	Dry wash course S. W.
40.00	Set a trachyte stone 18 x 11 x 5 in. 12 in. in the ground for 1/4 sec. cor. marked 1/4 on N. face raised a mound of stones 2 ft. base 1½ ft. high. N. of cor. Pits impracticable
51.40	Dry wash in bottom of gulch course S. 16° E. 260 ft. below ridge. -
52.12	Mountain road from Weber City runs parallel with gulch. —
	Begin ascent
65.00	Enter aspen brake course N. and S.
73.00	Leave brake course N. and S.
80.10	The cor. of secs. 19-20-29 and 30
	This cor. stands 290 ft. above wash
	Land mountainous
	Soil gravely and rocky 3rd rate
	Timber aspen of small size
	Mountainous land 80.10 chs. —
	By reason of former closing on W. bdy. Town West bet. secs. 19 and 30.
	Over mountainous land
	Ascending W
2.50	Top of ridge bears 10° W and S. 23° E.
	Descending gradually
10.00	Descent becomes abrupt on W. slope
37.20	Dry wash in bottom of gulch 375 ft. below ridge course S. 30° E.
	Thence on gradual ascent W.
40.00	Set a porphyry stone 15 x 8 x 7 in. 12 in. in the ground for 1/4 sec. cor. marked 1/4 on N. face: raised a mound of stones 2 ft. base 1½ ft. high N. of cor. Pits impracticable. —

Subdivision of T. 3 S. R. 6 E.

Chains	
42.00	Ascent becomes steeper
52.50	Top of ridge bears N. and S. 100 ft. above wash
	Begin abrupt descent in dense underbrush
69.73	Intersect W. bdy. of Tp. 2.92 chs. N. of cor. of secs. 19-24-25 and 30 as heretofore described and from which I remove markings refering to secs. 19 and 30 thence
	I set a porphyry stone 18×9×6 ins. 12 ins. in the ground for closing cor. of secs. 19 and 30 marked c c on E. face with 2 groves on S. and 4 groves on N. faces: raised a mound of stones 2 ft. base 1½ ft. high E. of cor. —
	Pits impracticable
	This cor. stands 275 ft. below top of ridge
	Land mountainous
	Soil gravely and rocky 3rd rate
	No timber
	Mountainous land 69.73 chs. —
	September 16: at this cor. I set off 2°42'30" N. on the deer arc and at 11h 55m a.m. ? m? observe the sun on the meridian; the resulting lat. is 40°32' N. —
	From the cor. of secs. 19-20-29 and 30 I run
	N 0°3' W. on a random line bet. secs. 19 and 20
36.12	The ¼ sec. cor. bet. secs. 19 and 20 bears E. 10.36 chs. being a stone firmly set marked and witnessed as described by the surveyor general
	Thence I run
	S 0°3' E on a true line bet. secs. 19 and 20
	Over mountainous land
	Descending gradually to
7.10	Bottom of open gulch course S. 25° E.
	Thence on gradual ascent over broken surface to
28.00	Enter a few brake course E and W.
36.12	Intersect E and W. line 10.36 chs S 89°57' E of cor. of secs. 19-20-29 and 30 from which I remove all markings relating to secs. 19 and 20, thence
	I set a porphyry stone 17×10×7 ins. 12 ins. in the ground for closing cor. of secs. 19 and 20 marked

Subdivision of T. 3 S. R. 6 E.

B.C. on N face with 5 groves on E and 1 grove on W faces; from which
An aspen tree 6 ins. diam. bears N. 28°45' W. 49 lks. dist. marked T. 3 S. R. 6 E. S. 19 B.T.
An aspen tree 5 ins. diam. bears N. 41°3' E. 40 lks. dist. marked T. 3 S. R. 6 E. S. 20 B.T.
Land mountainous
Soil gravely and rocky 3rd rate
Timber aspen of small size
Mountainous land 36.12 chs. —

September 16. 1901

General Description

That part of this township covered by the present survey is all mountainous land, rolling and broken and most of it very rough. — It has an elevation of 8000 to 8500 ft. above sea level and no part of it is suitable for cultivation. — The soil is fertile and produces a variety of grasses and weeds which make excellent summer pasture. —
There is no timber of any considerable commercial value but much firewood and fencing being mainly aspen with a few patches of pine and single trees of same scattering throughout.
There are no quarries nor mines nor any surface indications of mineral of any kind.
The township is watered by a few small springs and streams which have been appropriated and are used for irrigation in the adjoining valleys. —
There are no settlers nor improvements of any kind excepting such fences as are described. —

Andrew P. Hanson
U.S. 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 .....

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

.....

showing the respective capacities in which they acted:

....., *Chainman.*

....., *Chainman.*

....., *Moundman.*

....., *Moundman.*

....., *Axman.*

....., *Axman.*

....., *Flagman.*

For final affidavits see book J. Tp. 35 R. 4 E.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted .....

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

.....

.....

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

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

....., *Chainman.*

....., *Chainman.*

....., *Moundman.*

....., *Moundman.*

....., *Axman.*

....., *Axman.*

....., *Flagman.*

For final affidavits see book J. Tp. 35 R. 4 E.

.....

Subscribed and sworn to before me this .....

day of ....., 189

SEAL

.....

.....

6—151

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, ... United States Deputy Surveyor, solemnly swear that, in pursuance of a contract received from ..... United States Surveyor General for ..... bearing date of ..... 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 .....

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

.....
United States Deputy Surveyor.

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

SEAL

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, June 9, 19

The foregoing field notes of the survey of the subdivisional lines of Township 3 South, Range 6 East of the Salt Lake Meridian, Utah,

executed by Richard L. Harrison under his contract No. 44, dated October 22, 1901, 189 , having been critically examined, and the necessary corrections and explanations made, the said field notes, and survey they describe, are hereby approved.

Edward 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.

D

BOOK A-292

FIELD NOTES

OF THE Re SURVEY OF THE

Subdivision Lines

of

Township No 3 South Range No 6 East

Of the Salt Lake Base and Meridian,

Utah

AS SURVEYED BY

Andrew P. Hanson, United States Deputy Surveyor,

Under his Contract No. 244, dated April 12, 1901

Survey commenced September 10, 1901

Survey completed September 16, 1901

6—151

Resurvey high m. chs ckts 3-02-54

Retrenchment 3-38-08

NAMES AND DUTIES OF ASSISTANTS.

W F Clark - - - - - Chainman

B. R. Lawrence - - - "

W F Clark - - - - Moundman

Alfred Carlson - - - "

B R Lawrence - - - Axman

Theo Lawrence Jr - - - "

Alfred Carlson - - Flagman

G—151

BOOK A-292

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, D F Clark and B R Lawrence 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 i measuring, to the best of our skill and ability, and in accordance with instructions given us, in the re survey of subdivision lines in Tps 3 S, Rs 6 and 5 E

D F Clark, Chainma

B. R. Lawrence, Chainma

Subscribed and sworn to before me this 3rd day of September 1901, ~~189~~

SEAL

Sam Raney
Notary Public

WE, D F Clark and Alfred Carlson do solemnly swear that we will well and truly perform the duties of moundmen in the establishme of corners, according to the instructions given us, to the best of our skill and ability, in the re survey subdivision lines in Tp 3 S Rs 6 and 5 E

D F Clark, Moundma

x Alfred Carlson, Moundma

Subscribed and sworn to before me this 3rd day of September 1901, ~~189~~

SEAL

Sam Raney
Notary Public

WE, B R Lawrence and Thos Lawrence Jr. 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 re survey subdivision lines in Tp 3 S Rs 6 and 5 E

B. R. Lawrence, Axma

Thos Lawrence Jr., Axma

Subscribed and sworn to before me this 3rd day of September 1901, ~~189~~

SEAL

Sam Raney
Notary Public

I, Alfred Carlson, do solemnly swear that I will well and tru perform the duties of flagman according to instructions given me, to the best of my skill and ability, in t re survey of subdivision lines of Tp 3 S Rs 6 and 5 E.

x Alfred Carlson, Flagma

Subscribed and sworn to before me this 3rd day of September 1901, ~~189~~

SEAL

Sam Raney
Notary Public

6—151

Subdivision of T.3 S.R.6 E — Resurvey

chains — Survey commenced September 10.1901 and executed with a Gurley light mountain transit with solar attachment. The horizontal limb is provided with two double verniers placed opposite to each other reading to single minutes of arc: which is also the least count of the verniers of the latitude and declination arcs.—

The instrument was examined tested on the true meridian at Salt Lake found correct and was approved by the surveyor general for Utah April 13.1901

Note: Having tested the adjustments of the instrument on a Polaris meridian September 9. at commencement of survey of subdivision lines of this Tp. and found them true, as described in field notes of said survey reference to which is hereby made, and being confident they still remain so I consider it unnecessary to repeat the test at this time.—

Note: In the execution of subdivision of this Tp. having failed to find the original cor. of secs. 13-14-23 and 24 though carefull search was made for it in the locality it should be found according to connection with E bdy. it becomes necessary to make certain resurveys in order to re-establish said cor. Therefor, having by retracements located the 1/4 sec. cor. bet. secs. 13 and 14 which is a stone firmly set marked and witnessed as described by the surveyor general I run from thence

South bet. S½ of secs. 13 and 14

Over mountainous land

Ascending in timber and underbrush on broken N. slope

40,00 A diligent search was again made for the original cor. of secs. 13-14-23 and 24 but no trace of it could be found, therefor

I set a porphyry stone 17x10x8 ins. 14 ins. in the ground for cor. of secs. 13-14-23 and 24 marked with 1 notch on E. and 3 notches on S. edges; from which I

An aspen tree 9 ins. diam. bears N. 65°46' E 12 lks. dist.

chains	marked T 3 S R 6 E S 13 B.T.
	An aspen tree 10 in diam. bears N 66° 52' W. 12 lks dist marked T. 3 S. R. 6 E. S. 14 B. T.
	An aspen tree 7 in. diam. bears S 45° 40' E 16 lks. dist. marked T 3 S R 6 E S. 24 B. T.
	An aspen tree 9 in. diam. bears S. 11° 50' W. 22 lks. dist marked T 3 S R 6 E S 23 B. T.
	This cor. stands 400 ft. above the 1/4 sec. cor.
	Land mountainous
	Soil gravely wash 2nd rate
	Timber aspen of dense growth and all sizes, and a few scattering pine. —
	Mountainous land 40,00 chs. —
	September 10: at this cor I set off ——— 5° 0' 30" N. on the decl. arc and at 11h 57m a m, 1 m t observe the sun on the meridian: the resulting lat. is 40° 33' N.
	I order to correct closing error of secs. 24 I run East on a random line bet. secs. 13 and 24
40,00	Search was made for the original 1/4 sec. cor. but no trace of it could be found
82,60	Intersect E. bdy of Tp. 40 lks. S of cor. of secs. 13-18-19 and 24 which is a stone firmly set marked and witnessed as described by the surveyor general
	Thence I run
	S 89° 43' W on a true line bet. secs. 13 and 24
	Over mountainous and heavily timbered land
	Ascending gradually on broken N. slope in dense timber and underbrush
41,30	The proportionate distance a diligent search was again made for the 1/4 sec. cor. as described by the surveyor general but no trace of it could be found; therefor I set a porphyry rock 16 x 8 x 6 in 11 in in the ground for 1/4 sec. cor. marked 1/4 on N. face: from which
	An aspen tree 6 in. diam. bears N 11° 24' W 19 lks. dist marked 1/4 S. 13 B. T.
	An aspen tree 8 in diam bears S. 58° 30' E. 34 lks. dist. marked 1/4 S 24 B. T.
58,00	Ravine 60 ft. deep drains N. 25° E.
82,60	The cor. of secs. 13-14-23 and 24

chains	This cor. stands 150 ft. above cor of secs. 13-18-19 and 24 Land Mountainous, steep slope Soil gravely wash 2nd rate Timber aspen of dense growth and all sizes and a few scattering pine Mountainous and heavily timbered land 82.60 chs. September 10, 1901
	September 14: In the execution of survey of subdivision lines of this Tp. being unable to find the original cor. of secs. 15-16-21 and 22 as described by the Surveyor general, it becomes necessary to make certain resurveys in order to reestablish said cor., Therefor From the cor. of secs. 14-15-22 and 23 as heretofore described I run N 89°47' W on a blank retracement line bet. secs. 15 and 22: at 40.54 chs. I find the 1/4 sec. cor. bearing S. 28 lks. being a stone properly marked lying in a heap of stones; at 80.16 a careful search was made for the cor. of secs. 15-16-21 and 22 and at a point S 21°27' E. 60 lks. found trace of same being a small hollow where stone had been removed from which 4 stumps corresponds respectively by course and distance to the bearing trees described by the surveyor general. Being confident of this being the exact location of the original cor. I reestablish the same as follows.– Set a porphyry stone 14 x 8 x 6 inch 9 ins in the ground for cor. of secs. 15-16-21 and 22 marked 3 S. on N.E. and 6 E on S.E. faces with 3 notches on S. and E. edges; raised a mound of stones 2 ft. base 1½ ft. high W. of cor. Pits impracticable Thence I run N. 89°49' E. on a resurvey line bet. secs. 15 and 22 Over mountainous land Descending in aspen brake, along fence
12.40	Bridge Creek 6 lks. wide course N. 10° W. in bottom of gulch 160 ft. below cor. ascending
18.00	Leave aspen brake course N. and S.
39.40	The 1/4 sec cor. as before described which I reestablish

chains	2/3 in the ground marked 1/4 on N. face: raised a mound of stones 2 ft base 1½ ft. high N. of cor. Pits impracticable
40.10	Top of ridge bears N. and S. 290 ft. above creek.— Descending
41.00	Enter timber and brake course N. and S.
67.60	Dry wash course N. 25° W. in bottom of gulch 250 ft. below ridge.— Ascending
69.00	Leave timber and brake: course parallel with gulch
79.94	The cor. of secs. 14-15-22 and 23
	Thence stands 50 ft. above gulch
	Land mountainous
	Soil gravely and rocky 3rd rate
	Timber aspen of small size mainly and dense growth—
	Mountainous land 79.94 chs.—
	September 14. 1901

September 15th: In the execution of subdivision of this Tp. having failed to find the 1/4 sec. cor. bet. secs. 20 and 21 though a carefull search was made for it in the locality where, by former connections it should be found it becomes necessary to make certain resurveys in order to reestablish it therefor

From the cor. of secs. 15-16-21 and 22 as reestablished by myself September 14 and heretofore described I run N. 89° 48' W. on a blank retracement line bet. secs. 16 and 21.-

At 39.56 chs. I found the 1/4 sec. cor. bearing N. 76 lks. and at 79.90 ch. the Cor. of secs. 16-17-20 and 21 bears N. 78 lks. dist. being stone 20 x 8 x 6 inc set 8 inc in the ground marked with 3 notches on S. and 4 notches on E. edges and a few stones around it.

I reset stone 15 inc. in the ground and raised a mound of stones 2 ft. base 1½ ft. high W. of cor.

Pits impracticable

Thence I run

South bet. secs. 20 and 21 on resurvey line

Over mountainous land

Descending gradually on steep E. slope in brush and brake

7.00	Bottom of hollow 30 ft. below cor. drains E.

chains	
	Begin gradual ascent
	Enter aspen brake and timber
17.50	Top of spur running E. 50 ft. high. – descend
30.00	Bottom of hollow 60 ft. deep, draining E. –
	Thence on steep E. slope W
40.00	Diligent search failed to discover any trace of original 1/4 sec cor. therefor
	I set a porphyry stone 17 x 11 x 7 in. 12 in in the ground for 1/4 sec. cor. marked 1/4 on W. face;
	from which
	An aspen tree 4 in. diam. bears S 68° E 9 lks dist marked 1/4 S. 21 B.T.
	An aspen tree 5 in. diam. bears S 24° 30' W. 4 lks. dist. marked 1/4 S 20 B.T.
	Land mountainous, steep slope
	Soil gravely and rocky 3rd rate
	Timber, aspen of small size mainly, and a few scattering pine. –
	Mountainous land 40.00 chs
	In order to make proper record of the N. bdy of sec. 21 and and a closing of said sec. within the limit I run from the cor of secs. 16-17-20 and 21
	S. 89° 47' E bet. secs. 16 and 21 on a resurvey line
	Over mountainous land
	Descending in brush and brake
6.00	Enter timber course N. and S.
12.60	Stream 4 lks wide in bottom of gulch 130 ft. below cor course N. 15° E. –
	Ascending
38.30	Leave timber course N. W. and S. E.
40.35	The 1/4 sec. cor. being a stone firmly set in the ground and having two witness trees as described by the surveyor general but no mound of stones along side. –
	Thence I run S. 88° 42' E. –
50.00	Top of ridge bears N and S. 400 ft. above stream
50.90	Mountain road from Silver City to Woodland bears N. and S. – Descend
58.60	N.W. cor. of fence course E. and S. – Thence along fence

chains

60.20 Dry wash in bottom of gulch 130 ft deep course N. 20° E ascending

71.50 Top of ridge bears N and S. 100 ft. above gulch. - Descend

79.90 The cor. of secs. 15-16-21 and 22

This cor. stands 60 ft. below top of ridge

Land mountainous

Soil gravely and rocky 3rd rate

Timber aspen of dense growth, all sizes and scattering fine. —

Mountainous land 79.90 chs.

September 15. 1901

September 16: In order to make proper closing of secs. 19 and 20 it becomes necessary to retrace some of the former surveys, therefor

From the cor. of secs. 16-17-20 and 21 as described I run S. 89° 54' W. on a blank line bet. secs. 17 and 20: at 39.48 I found the 1/4 sec cor. bearing N. 10 lks. and at 79.12 the cor. of secs. 17-18-19 and 20 bearing N. 21 lks. and make a resurvey of said line as follows.

I begin at the cor. of secs. 17-18-19 and 20 which is a sandstone lying on top of ground but its position fully identified by 2 bearing trees as described by the surveyor general. - I reset stone 14 in in the ground with 5 notches on E and 3 notches on S. edges and raised a mound of stones 2 ft. base 1½ ft high W. of cor. - Pits impracticable. -

Thence I run

S. 89° 57' E. bet. secs. 17 and 20

Over mountainous land

Descending in timber

3.50 Enter marshy bottom of gulch

7.25 Stream 4 lks wide flows N. in bottom of gulch 30 ft below cor. - Ascend

19.00 Top of ridge bears N. and S. 100 ft. high. - Descend

28.70 Dry wash in bottom of gulch 90 ft. deep course N. - Ascending

39.64 The 1/4 sec. cor. which is a sandstone 15 x 10 x 8 in.

Chains	set 4 inc in the ground, mound scattered; I reset stone 10 inc in the ground with ¼ mark on N. face and raised a mound of stones 2 ft. base 1½ ft high N of cor. Pits impracticable
54.00	Top of ridge bears N. and S. 200 ft. above wash
	Thence over broken N. slope, descending
62.50	Bottom of hollow near head, course N. 60 ft deep.
	ascending to
71.00	Top of spur runs N. E. descend gradually to
79.12	The cor. of secs. 16-17-20 and 21
	Land mountainous
	Soil gravely and rocky 3rd rate
	Timber aspen of small size mostly and scattering pine.
	Mountainous land 79.12 chs. —

	From the ¼ sec. cor. bet. secs. 19 and 20 as heretofore described I run North on a blank line bet. secs 19 and 20: At. 39.56 chs. the cor. of secs. 17-18-19 and 20 as heretofore described bears W. 16 lks. dist.
	Therefor from said cor I run
	S. 0° 14' E. bet. secs. 19 and 20
	Over mountainous land
	Ascending on broken slope in timber and brake
29.50	Top of ridge dividing watershed bears E and W. 280 ft. above cor. — descending
	Leave timber and brake course E. and W.
39.56	The ¼ sec. cor. bet. secs. 19 and 20
	This cor. stands 110 ft. below top of ridge
	Land mountainous
	Soil gravely and rocky 3rd rate
	Timber aspen of small size mainly and pine scattering
	Mountainous land 39.56 chs. —
	Note: For test of adjustment of transit reference is made to the following book of this survey i.e field notes of Resurvey of S. bdy. Th 3 S. R. 5 E. commenced this date. —

	From the cor. of secs. 17-18-19 and 20 as heretofore described I run

Subdivision of T 3 S R 6 E — Resurvey

Chains	
	S. 89°46' W. on a blank line bet. secs. 18 and 19
	At 39.86 chs. I find the 1/4 sec. cor. bearing N. 12 lks. and at 79.50 chs. intersect W. bdy. of Tp. 23 lks. S. of cor. of secs. 13-18-19 and 24 which is a sandstone 18x10x4 ins. set 2 ins. in the ground, properly marked and, witnessed as described by the surveyor general.—
	I reset stone 12 ins. in the ground with 3 notches on N. and S. edges, from which
	An aspen tree 4 ins. diam bears S 34°10' W 35 lks. dist. marked T 3 S R 5 E S 24 B.T.
	An aspen tree 8 ins. diam. bears N 22°14' E 41 lks. dist. marked T 3 S R 6 E. S. 18 B.T.
	An aspen tree 5 ins. diam. bears S 76°48' E 29 lks. dist. marked T 3 S R 6 E S 19 B.T.
	An aspen tree 7 ins. diam. bears N 42°30' W 39 lks. dist. marked T. 3 S R 5 E. S. 13 B.T.
	Thence I run, on resurvey line
	N 89°46' E. bet. secs. 18 and 19
	Over mountainous land
	On broken N. slope and gradual descent
	Through scattering timber
20.40	Wood road bears N.E. and S.W.
21.00	Hollow drains N. 30° E. 140 ft. deep
	Ascending
31.00	Top of spur runs N. 25° E. 130 ft. high.- a log cabin now deserted bears N. 2° E about 10 chs.
	Descending
38.16	Bottom of hollow and dry wash drains N. 25° E. about 15 chs above a small reservoir for watering stock.— Ascending
39.64	The 1/4 sec. cor. which is a sandstone 15x8x4 ins. set 3 ins. in the ground and marked 1/4 on N. face
	I reset stone 10 ins. in the ground marked 1/4 on N. face and raised a mound of stones 2 ft. base 1½ ft. high N. of cor. Pits impracticable
50.50	Top of spur runs N 30° E 150 ft. high.
	Descending
56.00	Head of gulch 70 ft. deep drains N. 35° E. Ascending
60.60	Top of spur runs N. 35° E 50 ft. high. - Descend
79.50	The cor. of secs. 17-18-19 and 20 as heretofore described

Subdivision of T. 3 S. R 6 E — Resurvey

Thin cor. stands 130 ft below spur
Land mountainous
Soil gravely wash 2nd and 3rd rate
Timber aspen in scattering bunches, small growth
Mountainous land 79.50 chs. —
September 16, 1901.

General Description

For general description see field notes of subdivision lines of this Tp. Book "C".

Andrew P Hanson
U.S. Deputy Surveyor

BLANK

PAGE

BLANK

PAGE

BLANK

PAGE

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

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

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

.....

howing the respective capacities in which they acted:

..... *Chainman.*

..... *Chainman.*

..... *Moundman.*

..... *Moundman.*

..... *Axman.*

..... *Axman.*

..... *Flagman.*

In final affidavits see book I. Sp. 3 S. R4 E.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted .....

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

.....

.....

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

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

..... *Chainman.*

..... *Chainman.*

..... *Moundman.*

..... *Moundman.*

..... *Axman.*

..... *Axman.*

..... *Flagman.*

In final affidavits see book I. Sp. 3 S. R4 E.

.....

ubscribed and sworn to before me this .....

day of ....., 189

SEAL

.....

.....

6—151

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

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

.....

.....

.....

..... 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 surveys have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for ..... and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey; and should any fraud be detected, I will suffer the penalty of perjury under the provisions of an Act of Congress approved August 8, 1846.

.....

United States Deputy Surveyor.

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

SEAL

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL.

Salt Lake City, Utah, June 9, 1903.

The foregoing field notes of the survey of The Subdivisional Lines of Township 3 South Range 6 East of the Salt Lake Base & Meridian, Utah

executed by Andrew T. Hansen under his contract No. 244, dated April 12 1901, 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

4—679.

E

BOOK A-292

FIELD NOTES

OF THE SURVEY OF THE

South East and North Boundaries

of

Township No 3 South Range No 5 East

Of the Salt Lake Base and Meridian,

Utah

AS SURVEYED BY

Andrew P Hanson, United States Deputy Surveyor,

Under his Contract No. 244, dated April 12, 1901

Survey commenced September 16, 1901

Survey completed September 21, 1901

6—151

		m. chs. lks.	
Resurvey S. Bdry.	high	1—52—69	
" " do	low	62—40	41—57
Retracement " "			
Resurvey S. "	high	1—00—25	47—59
Retracement " "			
Resurvey N. "	high	2—01—71	
Retracement		3—04—40	

NAMES AND DUTIES OF ASSISTANTS.

D F Clark --- Chainman

B R Lawrence --- "

D F Clark --- Moundman

Alfred Carlson --- "

B. R. Lawrence --- Axman

Thos Lawrence Jr. --- "

Alfred Carlson --- Flagman

For preleminary officials see book "B" Tp 3 S R 6 E

6—151

Volume

#

R0292

BOOK A-292

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 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 establishme
of corners, according to the instructions given us, to the best of our skill and ability, in the survey
.....

..... , *Moundma*

..... , *Moundma*

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

..... , *Axman*

..... , *Axman*

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 th
survey of .....

..... , *Flagman*

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

SEAL

South boundary of T. 3 S. R. 5 E. — Resurvey

Chainer

Survey commenced September 16. 1901 and executed with a Gurley light mountain transit with solar attachment. — The horizontal limb is provided with two double verniers placed opposite to each other reading to single minutes of arc which is also the least count of the verniers of the latitude and declination arcs. The instrument was examined, tested on the true meridian at Salt Lake found correct and was approved by the Surveyor general for Utah April 13. 1901

I examine the adjustments of the transit and correct the level and collimation errors then to test the solar apparatus by comparing its indications resulting from solar observations made during a m and p m hours with a true meridian determined by observations on Polaris I proceed as follows: —

At the closing cor. of Tps. 3 and 4 S R. 5 E; latitude 40° 30' 30" N. longitude 111° 19' 40" W. I set off 40° 30' 30" N. on the lat. arc 2° 40' N. on the decl. arc and at 4h 42m p m, I can determine with the solar a true meridian and mark a point thereof on a plug firmly set in the ground 5.30 chs. N. of the cor.

At 7h 27m p m, I can I observe Polaris at eastern elongation in accordance with manual of Instructions and mark a point in the line thus determined on a plug driven in the ground 5.30 chs. N of my station. —

September 16. 1901

September 17 at 6h 30m a m, I can I lay off the azimuth of Polaris 1° 35' 6" the west and mark the true meridian thus determined on the plug set September 16

At 7h 30m a m, I can I set off 40° 30' 30" N. on the lat. arc 2° 25' N. on the decl. arc and mark a point in the true meridian determined with the solar on the plug already set 5.30 chs N. of my station; and now by measurement

chains between the marks as well as plate angles by the instrument find that the solar apparatus by p.m. and a.m. observation respectively defines positions of true meridian differing by about 1' of arc from the true meridian determined by observation on Polaris: therefor I conclude the adjustments are satisfactory.— The magnetic bearing of the true meridian at 7h 30m a.m. is N. 16° 45' W: the angle thus determined reduced by the table page 100 gives the mean mag. decl 16° 42' E. —

Note: I found throughout this as well as the preceeding township a strong local attraction due to a dark volcanic rock impregnated with magnetic iron which covers much of the surface, and which makes the needle reading valueless. —

Preliminary to commencing the subdivision of this Tp. I run West on a blank line on the S. bdy of sec. 36; at 34.85 chs. I find the 1/4 sec cor S. 5.6 lks. dist. and at 76.42 chs. the cor. of secs. 1-2-35 and 36 N. 1.11 lks. dist. Therefor I continue my line west along S. bdy. secs. 35 & 34: at 40.14 the 1/4 sec cor. bears S. 119 lks. and at 80.03 The cor of secs. 2-3-34 and 35 bears S. 2.04 chs and continuing West on S. bdy of secs. 34: at 39.98 the 1/4 sec. cor. bears N. 33 lks. and at 80.18 the cor. of secs. 3-4-33 and 34 bears N. 65 lks.; no one of these cors. being firmly set nor properly witnessed and the markings being indistinct and partly obliterated I resurvey the S. bdy. of Tp. as follows I begin at the cor. of secs. 3-4-33 and 34 which is a darkred hard sandstone 8 x 6 x 4 in. above ground marked with 3 notches on W. edge indistinct, and markings on E. edge nearly obliterated. — I remark stone with 3 notches on E. and W. edges: and raised a mound of stones 2 ft. base 1½ ft. high W. of cor. Pits impracticable. —

Note: I found all the cor. stones of the older survey

chains described as "black sandstones" to be in fact dark colored porphyry. —
Thence I run
S. 89° 32' E. bet. secs. 3 and 34
Along centre of road course E. and W.
Descending
3.06 Dry wash in bottom of hollow course S.W. ascend
15.25 Fence bears N. 80° E and S. 80° W.; Leave road; enter brush
25.30 Top of spur runs S. 15° W. 100 ft. high;
Begin gradual descent over rolling surface
33.25 Fence bears N. and S. at foot of slope. - Enter cultivated field
40.20 The original 1/4 sec. Cor. as described by the surveyor general lying on top of ground. - I reset stone 2/3 in the ground and raised a mound of stones 2 ft. base 1½ ft. high N. of cor.
Pits impracticable
46.20 Fence bears N.W. and S.E. - Enter road
47.25 Fence " " " " " - Leave " " Enter brush
62.40 Spring branch course S.W. in bottom of hollow
House bears N. 5 chs. - Branch 3 chs wide
Ascend gradually on Mountainous land
80.18 The cor. of secs. 2-3-34 and 35 which is a dark porphyry stone 18 x 12 x 4 in. set 3 in. in the ground surrounded by mound of stones
1778 / 6.240
I reset stone 2/3 in the ground and recut notches which were nearly defaced 2 on E. edge and 4 on W. edge; raised a mound of stones 2 ft. base 1½ ft. high W. of cor. —
Pits impracticable. -
This cor. stands in fence running N. and S.
Land broken foothills
Soil gravely and rocky 2nd and 3rd rate
No timber. -
Mountainous land 17.78 chs. —

N. 88° 47' E. bet. secs. 2 and 35
Over mountainous land
Ascending gradually on rolling surface
20.00 Top of spur runs S.
Descend gradually to
33.75 Dry wash in bottom of hollow course S. 90 ft. below spur. ascending
39.90 The original 1/4 sec cor. a dark porphyry stone

chains	lying in a heap of stones with mark partly obliterated.— I reset stone 2/3 in the ground marked 1/4 on N. face: raised a mound of stones 2 ft. base 1½ ft. high N. of cor. Pits impracticable
	Thence I run
	N. 88° 18' E.
63.50	Top of spur runs S. 30° W. 200 ft. above wash
	Descending
77.60	Bottom of hollow drains S. 90 ft. below spur
	ascend
80.06	The cor. of secs. 1-2-35 and 36 which is a porphyry stone 14×9×6 ins. set in a mound of stones and marked with 5 notches on W. edge partly defaced I reset stone 2/3 in the ground and mark it with 5 notches on W. 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 gravely and rocky 3rd rate
	No timber
	Mountainous land 80.06 chs.—
	Sep. 17: The sky being cloudy during the noon hour I was unable to observe the sun on the meridian.—
	S. 89° 06' E. bet. secs. 1 and 36
	Over mountainous land
	Ascending to
1.00	Top of spur runs S.— Descending
9.60	Bottom of gulch and dry wash course S 10° W. 80 ft. below spur.— Ascend
15.01	Top of ridge runs N 20° E. and S 20° W. 60 ft. high
	Descend
33.76	Mountain road from Heber City bears N 15° E and S 15° W.
41.57	The 1/4 sec. cor. being a sandstone 28×10×5 ins. set in a mound of stones 3 ft. base 2 ft. high and marked 1/4 on N. face.— Pits impracticable
	Thence I run
	N. 89° 06' E
50.56	Little Pole Creek in bottom of gulch, course S. 20° W.

Chains	8 lks wide rapid current good water — 200 ft below ridge. —
	Ascend abruptly
70.50	Top of ridge bears N.E. and S.W. 225 ft. above creek. — Descend
76.42	The closing cor. of Tps. 3 and 4 S. R. 5 E. which is a red sandstone 20×12×5 in. lying on top of ground by side of small mound of stones: marked C.C. on upper face with 6 notches on two corners. — I reset stone 25 in in the ground marked C.C. on W. face with 6 grooves on N. S. and W. faces; raised a mound of stones 2 ft. base 1½ ft. high W. of cor. Pits impracticable
	This cor. stands 75 ft. below top of ridge
	Land mountainous
	Soil gravely and rocky 3rd rate
	No timber
	Mountainous land 76.42 chs. —

East Boundary T. 35 R 5 E.

	From the closing cor. above described a flag on the N.W. cor. of Tp. 4 S. R. 6 E. bears north.
	Thence I run
	North bet. secs. 6 and 36
	Over mountainous land
	Ascending steep broken slope
7.38	The N.W. cor. of Tp. 4 S. R 6 E. as heretofore described. —
	This cor. stands 75 ft. above the closing cor.
	Land mountainous
	Soil gravely and rocky 3rd rate
	No timber
	Mountainous land 7.38 chs. —
	September 17, 1901

September 20: Being unable to close around secs. 13 and 24 ~~within~~ the limit it becomes necessary to retrace the old lines on E. side of said secs. which is the E. bdy. of Tp.. therefor

From the ¼ sec. cor. bet. secs. 19 and 24 on E. bdy of Tp. as heretofore described I run north on

Chains	
	a blank line along E. bdy. of sec. 24 and at 40.20 chs. find the cor. of secs. 13-18-19 and 24 bearing E. 69 lks. dist. and continuing my line along E. bdy. of sec. 13: at 40.12 chs. I find the 1/4 sec. cor. bearing W. 65 lks. and at 80.25 the cor. of secs. 7-12-13 and 18 bearing W. 130 lks. dist.:— None of these corners being in proper alignment nor well established I resurvey the E. bdy of Tp as follows. —
	I begin at the cor. of secs. 7-12-13 and 18 on E. bdy of Tp. as heretofore described. -
	Thence I run
	S. 0-56' E bet secs. 13 and 18
	Over mountainous land
	Ascending on N.W. slope
3.52	The closing cor. of secs. 12 and 13 as heretofore described
15.00	Top of spur runs N. 30° E 140 ft. above cor.
	Thence on E. slope to
38.00	Bottom of hollow drains N E
	Begin ascent
40.13	The 1/4 sec. cor. being a sandstone 18×10×4 in. marked 1/4 on top face lying on top of ground not witnessed. — I reset stone 12 in. in the ground marked 1/4 on W. face: raised a mound of stones 2 ft. base 1½ ft. high W. of cor. Pits impracticable. —
48.00	Top of spur runs N.E. 120 ft. above hollow
	Descending to
58.75	Stream 3 lks wide course N. 25° E. in bottom of gulch. 60 ft. below spur.: a small dam crosses stream just above line - seemingly abandoned. —
	Ascending. - Entire timber course E and W.
80.25	The cor. of secs. 13-18-19 and 24 as heretofore described in field notes of subdivisions of this Tp.:
	This cor. stands 200 ft. above stream
	Land mountainous
	Soil gravelly wash 2nd and 3rd rate
	Timber aspen and scattering pine
	Mountainous land 80.25 chs. —
	September 20: At this cor. I set off 1°10' N.

East boundary of T 35 R 25 E — Resurvey

chains

on the decl arc and at 11h 54m a m, I m? — observe the sun on the meridian: the resulting lat. is 40° 33' N. —

S 1° 0' W. bet. secs. 19 and 24
Over mountainous land
Ascending in timber
5.60 The closing cor. of secs. 13 and 24 as heretofore described
27.00 Ascent becomes gradual on rolling plateau course E and W.
Leave timber course E. and W.
36.00 Enter aspen brake course E and W.
40.20 The 1/4 sec. cor. as heretofore described
This cor. stands 300 ft. above sec. cor.
Land mountainous
Soil gravelly 3rd rate
Timber aspen of small size
Mountainous land 40.20 chs. —

Being unable to close on cor. of secs. 35 and 36 on N. bdy of Tp. within the prescribed limit it becomes necessary to retrace some of the older surveys in order to locate the error. therefor From the cor. of secs. 35 and 36 on N. bdy. of Tp. as heretofore described. I run E. on a blank line along N. bdy. sec. 1: At 40.36 chs. I find a trace of the 1/4 sec. cor. bearing N. 20 chs. and at 83.26 The cor. of Tps. 2 and 3 S, RS 5 and 6 E N. 41 chs., being a stone firmly set marked and witnessed as described by the surveyor general Therefor resurvey this line as follows
I begin at the Tp. cor. above described
Thence I run
S. 89° 43' W. bet. secs. 1 and 36
Over mountainous land
Descending gradually on broken slope
27.30 Bottom of gulch drains N. 25° W. 160 ft. below cor. — ascend
30.80 Ravine 30 ft. deep, drains N. 50° E.
42.90 The 1/4 sec. cor. a dark porphyritic stone 12 x 7 x 4 ins. above ground firmly set with 1/4 mark on N. face faintly decernible. — I re-mark stone

chains	1/4 on N. face and raised a mound of stones 2 ft. base 1½ ft. high N. of cor. Pits impracticable
46.50	Top of spur runs N 200 ft. above gulch. Descending on N.W. slope
62.00	Ravine 40 ft. deep drains N.W.
68.60	Dry wash in bottom of gulch course N.10°E 220 ft. below spur. — ascending steep slope to
80.30	Top of spur runs N.10°E 160 ft above wash. — Descend
82.44	The closing cor. of secs. 1 and 2
83.26	The cor. of secs. 35 and 36 as heretofore described
	Land mountainous
	Soil gravelly and rocky 2nd and 3rd rate
	No timber
	Mountainous land 83.26 chs. —

Having found the easternmost mile of N. bdy. defective in alligniment and measurement I conclude to retrace the remainder of said line before proceeding further with the subdivision of this Tp. therefor.

From the cor. of secs 35 and 36 I run west on a blank line along N. bdy sec 2; at 40.30 chs. I find the 1/4 sec. cor. bearing S 12 lks. and at 80.30 chs. the cor. of secs. 2-3-34 and 35 — S. 23 lks. and continue West from said cor. along N. bdy of Tp. noting the distance and falling at each cor. for a return line, as far as the cor. of secs. 5-6-31 and 32 which is a dark porphyry stone 18 x 10 x 5 in. set 4 in in the ground and marked with 5 notches on E. edge partly obliterated. — I reset stone 12 in in the ground marked with 1 notch on W. and 5 notches on E. edges; raised a mound of stones 2 ft. base 1½ ft. high W. of cor. Pits impracticable. —

Having found no part of the N. bdy to correspond with the description furnished by the surveyor general, either as to alligniment nor measurement I make the following resurvey I begin at the cor. of secs. 5-6-31 and 32 as

North boundary of T. 3 S. R. 3 E. Resurvey

chains	
	above described
	Thence I run
	N. 89° 49' E. bd. sec. 5 and 32
	Over mountainous land
	Descending gradually on rolling slope
15.00	Bottom of ravine 40 ft. deep drains N.E. -
	Ascending broken N. slope
34.50	Top of spur runs N.E. 200 ft. above ravine
	Descend
40.66	The 1/4 sec. cor. which is a dark porphyry stone
	40 x 30 x 20 ins. above ground and stationary.
	marked 1/4 on N. face; mark is very faint and
	I therefor recut it, and raised a mound of
	stones 2 ft. base 1½ ft. high N. of cor.
	Pits impracticable. -
57.30	Stream 3 lks wide flows N. 30° E. in bottom of
	narrow ravine 10 ft. deep. ascend
59.00	Top of spur runs N 25° E 80 ft. high. - Descend
61.50	Bottom of ravine drains N.E. 30 ft. deep. ascend to
62.30	Top of spur N. 80 ft. high. - descend
64.00	Dry wash in bottom of gulch course N. 20° E.
	ascending
70.00	Top of spur runs N. 60 ft. high. - Descend
75.70	Bottom of ravine drains N. 75 ft. deep.
	Ascending broken slope to
80.54	The cor. of secs. 4-5-32 and 33 which is a dark
	porphyry stone 16 x 11 x 5 ins. set 6 ins in the ground
	marked on E. and W. edges but notches partly
	sealed off. - I reset stone 11 ins in the
	ground and mark it with 2 notches on W.
	and 4 notches on E. edges: raised a mound
	of stones 2 ft. base 1½ ft. high W. of cor.
	Pits impracticable
	Thin cor. stands on top of spur running
	N. 30° E. 80 ft. above ravine. -
	Land mountainous
	Soil gravely and rocky of 3rd rate
	No timber. - Bank brush in patches
	Mountainous land 80.54 chs. -
	September 20, 1901

North boundary of T. 3 S. R. 5 E. — Resurvey

Chains	
	September 21: At 7h 11m a.m. I m. T. I set off 40° 35' 30" N. on the lat. arc 0° 53' N. on the decl. arc and determine a true meridian with the solar at the cor. of secs. 4-5-32 and 33 on N. bdy. of Tp. thence I run
	S. 89° 48' E. bet. secs. 4 and 33
	Over mountainous land
	Descending on rolling surface
1.75	Bottom of ravine drains N. to N.W. 20 ft deep
	Ascending
4.30	Enter timber course N. and S. at top of ravine
	Thence on gradual ascent, broken slope
8.50	Leave timber course N. and S.
25.00	Top of spur runs N. 100 ft. high. — Descend
28.15	Bottom of gulch drains N. 60 ft. deep. — Ascend
40.42	The 1/4 sec. cor. a red sandstone 18 x 12 x 6 ins. marked 1/4 lying on top of ground; I reset stone 12 ins. in the ground marked 1/4 on N. face: raised a mound of stones 2 ft. base 1½ ft. high N. of cor. Pits impracticable
53.00	Top of spur runs N. 10° E. 200 ft. high. — Descend over rolling slope
70.55	Stream 3 lks wide in bottom of gulch, course N. 25° E. 110 ft. below spur. — Ascend
73.00	Top of spur runs N. 25° E. 50 ft. high. — Descend
75.10	Stream 2 lks wide in bottom of gulch 45 ft. deep course N. 20° E. — Ascend
80.85	The cor. of secs. 3-4-33 and 34 which is a porphyry stone 21 x 10 x 7 ins, marked with 3 notches on E. and W. edges partly scaled off stone lying on top of ground. — I reset stone 15 ins. in the ground marked with 3 notches on E. and W. edges: raised a mound of stones 2 ft. base 1½ ft. high W. of cor. — Pits impracticable
	This cor. stands 90 ft. above stream
	Land mountainous
	Soil gravely 2nd and 3rd rate
	Timber aspen of small size. — Dense brush in patches. —
	Mountainous land 80.85 chs. —

North boundary of T 3 S R 5 E — Resurvey

Chains. N. 89° 32' E. bet. secs. 3 and 34
Over mountainous land
Ascending broken slope.
19.35 Top of spur runs N. 25° W, 130 ft. above cor.
Descend
22.70 Bottom of hollow 40 ft. deep, course N. 20° W.
Ascend
24.00 Top of spur runs N 20° W 30 ft. high. - Descend
26.40 Bottom of ravine 40 ft. deep drains N 20° W.
Ascend
40.43 The 1/4 sec cor. which is a porphyry stone 14x
12x6 inc. marked 1/4, lying on top of ground:
no witness trees could be found. - I reset stone
9 inc. in the ground marked 1/4 on N. face:
raised a mound of stones 2 ft. base 1½ ft.
high N. of cor. Pits impracticable
41.00 Enter timber course N. and S.
45.00 Leave timber course N. and S.
46.00 Top of spur runs N 25° E 150 ft. high. - Descend
49.60 Stream 2 lks wide course N 25° E in bottom
of ravine 40 ft. deep: - ascend
53.00 Top of spur runs N. 20° E. - Descend
56.30 Bottom of ravine drains N 20° W. 30 ft. deep
Ascend
60.00 Top of spur runs N 50 ft. above ravine
Descending gradually over broken slope to
80.86 The cor. of secs. 2-3-34 and 35 which is a
dark porphyry stone properly marked but lying
in top of ground, scaled and cracked until
it is not fit for further use. - I therefor
set by its side a porphyry stone 16x6x6 inc.
11 inc in the ground for cor. of secs. 2-3-34
and 35 marked with + notches on W. and
2 notches on E. edges: raised a mound
of stones 2 ft. base 1½ ft. high W. of cor.
This cor. stands 100 ft. below spur. -
Land mountainous
Soil gravelly and rocky 2nd and 3rd rate
Timber aspen of small size. - Brush
in patches. -
Mountainous land. 80.86 chs. -

North boundary of T 3 S R 5 E — Resurvey

Chains	
	September 21: At this cor. I set off 0°46' N. on the decl. arc and at 11h 53m a.m., 1 m.t. observe the sun on the meridian: the resulting lat. is 40° 35' 30" N. —
	N. 89° 50' E. bet. secs. 2 and 35.
	Over mountainous land
	Descending
1,80	Spring branch 2 lks. wide runs N. 15° E. in ravine 20 ft. deep. 3 chs. below head of spring. —
	Enter timber course N. and S. — ascend gradually
4,00	Leave timber course N. and S.
22,50	Top of spur runs N 15° E 100 ft. above branch
	Descend
27,55	Spring branch 2 lks. wide runs N. 20° E in hollow 80 ft. deep. — ascend over rolling slope to
40,30	The 1/4 sec. cor. which is a dark porphyry stone 10 x 10 x 5 in. above ground firmly set and marked 1/4 on N. face; mark partly sealed off. — I re-mark stone 1/4 on N. face; raised a mound of stones 2 ft. base 1½ ft. high N. of cor.
	Pits impracticable
50,00	Top of spur runs N. 160 ft. high. — Descend
61,00	Spring branch 2 lks. wide runs N 20° W in bottom of gulch 100 ft. deep. — ascend
80,60	The cor. of secs. 35 and 36 as heretofore described
	This cor. stands 150 ft. above branch. —
	Land mountainous
	Soil gravely and rocky 2nd and 3rd rate
	Timber: aspen. — Rank brush in patches
	Mountainous land 80,60 chs. —
	September 21, 1901

General Description

For general description see field notes of subdivision of this Tp. Book F.

Andrew P. Hanson
U.S. Deputy Surveyor

Resurvey S.E. and N Bdys T3SR5E

Boundaries of T.3S.R5E.

Latitudes departures & Closing errors

Line designated	True bearing	Distance chs	Latitudes N chs	S chs	E chs	W chs
East boundary	North	198.42	198.42			
" "	N1°0'E	40.20	40.19		.70	
" "	N0°56'W	80.25	80.24			1.31
" "	North	160.00	160.00			
North "	S89°43'W	83.26		.42		83.26
" "	S89°50'W	80.60		.23		80.60
" "	S.89°32'W	80.86		.65		80.85
" "	N89°48'	80.85	.28			80.86
" "	S.89°49'	80.54		26		80.54
West bdy. sec. 5	S0°31'E	83.60		83.60	.75	
" " " 8	S.0°10'E	80.00		80.00	.23	
" " " 17	S0°5'E	80.00		80.00	.12	
" " " 20	South	80.14		80.14	[illegible]	
South " " 20	East	80.06			80.06	
West " " 28	S0°36'E	80.80		80.79	.85	
South " " 28	N89°18'E	81.06	.9		80.05	
West " " 34	S0°11'W	81.75		81.75		.26
S. bdy. Tp. sec. 34	S89°32'E	80.18		0.65	80.1	
" " " " 35	N.88°47'E	39.90	.85		39.89	
" " " " 35	N88°18'E	40.16	1.19		40.14	
" " " " 36	S89°06'E	41.57		.65	41.56	
" " " " 36	N89°06'E	34.85	.55		34.84	
E " " " 36	North	7.38	7.3			
S " " " 36	S88°57'E	6.89		.12	6.8	
Convergency						.50
Totals			490.08 489.26	89.26	406.	7 406.25

Errors of Lat. - - - - - 0.82 - - - Dep. - 1.92

BLANK

PAGE

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

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

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

.....

wing the respective capacities in which they acted:

....., *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 rner monuments established, according to the instructions furnished by the United States Surveyor eneral for .....

....., *Chainman.*

....., *Chainman.*

....., *Moundman.*

....., *Moundman.*

....., *Axman.*

....., *Axman.*

....., *Flagman.*

.....

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

SEAL

6—161

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, ..., United States Deputy Surveyor, solemnly swear that, in pursuance of a contract received from ..... United States Surveyor General for ....., ..., bearing date of t ..... day of ....., 189 , I have well, faithfully, and truly, in my o proper person, and in strict conformity with the instructions furnished by the United States Survey General for ....., the Manual of Surveying Instructions, and the laws of t United States, surveyed all those parts or portions of .... 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 w the Manual of Surveying Instructions, and the special written instructions of the United States Surve General for ..... and in the specific manner described in the field notes, and t the foregoing are the original field notes of such survey; and should any fraud be detected, I will su the penalty of perjury under the provisions of an Act of Congress approved August 8, 1846.

..... *United States Deputy Surve*

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

SEAL

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, June 9 1903.

The foregoing field notes of the survey of the South East & North Boundaries of Township 3 South Range 5 E of the Salt Lake Base & Meridian Utah

executed by Andrew P Hansen under his contract No. 2444, dated April 12, 1901, 189 , having critically examined, and the necessary corrections and explanations made, the said field notes, and surveys they describe, are hereby approved.

Edward M Anderson
United States Surveyor Gene

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

..... *United States Surveyor Gene*

6—151

BLANK

PAGE

BLANK

PAGE

4—679.

BOOK A-292

FIELD NOTES

OF THE SURVEY OF THE

Subdivision Lines

of

Township No. 3 South Range No. 5 East

Of the Salt Lake Base and Meridian,

Utah

AS SURVEYED BY

Andrew P. Stanson, United States Deputy Surveyor,

Under his Contract No. 244, dated April 12, 1901

Survey commenced September 17, 1901

Survey completed September 30, 1901

6—151

Sign m. ch. lks.
42-45-94
41-88

NAMES AND DUTIES OF ASSISTANTS.

D. F. Clark --- Chainman

B. R. Lawrence --- Chainman

D. F. Clark — Moundman

Alfred Carlson --- Moundman

B. R. Lawrence --- Axman

Thos Lawrence Jr. --- Axman

Alfred Carlson - Flagman

In preliminary affidavits see book "C" Tp 3 S R 6 E

6—151

Volume

#

R0292

BOOK A-292

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 t
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

.....

....., *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 establishm
of corners, according to the instructions given us, to the best of our skill and ability, in the survey

.....

....., *Moundm*

....., *Moundm*

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

.....

....., *Axm*

....., *Axm*

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

.....

SEAL

.....

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

....., *Flagm*

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

.....

SEAL

.....

Subdivision of T. 3 S. R. 5 E.

Chains	Survey commenced September 17. 1901 and executed with a Gurley light mountain transit with solar attachment: the horizontal limb is provided with two double verniers placed opposite to each other reading to single minutes of arc which is also the least count of the verniers of the latitude and declination arcs. The instrument was examined tested on the true meridian at Salt Lake found correct and was approved by the surveyor general for Utah April 13. 1901.— Note: Having this day finished a complete test of the instrument at the commencement of survey of this township which is fully described in the field notes of resurvey of S. bdy of Tp. reference to which is hereby made I consider it unnecessary to repeat the test at this time.—
	I begin at the cor. of secs. 1-2-35 and 36 on S. bdy. of Tp. as heretofore described: latitude 40° 30' 30" N. longitude 111° 20' 49" W.: at 3h 10m p.m. l.m.t. I set off 40° 30' 30" N. on the lat. arc 2° 17' N. on the decl arc and determine a true meridian with the solar.— The magnetic bearing of the true meridian at 3h 10m p.m. is 16° 48m W. the angle thus determined reduced by the table page 100 given mean. mag. decl. 16° 44" E. Thence I run N. 0° 1' W. bet. secs. 35 and 36 Over mountainous land Ascending on broken slope
25,00	Top of spur runs S W 160 ft. above cor. Descend
31,06.	Bottom of hollow drains S. 60° W. 30 ft. deep.— Ascending
39,00	Top of spur runs S.W. 70 ft. high. - Descending
40,00	Set a porphyry stone 18 x 8 x 6 in. 12 in in the ground for 1/4 sec. cor. marked 1/4 on W. face: raised a mound of stones 2 ft. base 1½ ft. high W. of cor. Pits impracticable.—

chains	
44.50	Bottom of hollow 50 ft. deep course S.W. - ascending
68.45	Top of spur runs S.W. 200 ft. above hollow - Descend
79.60	Bottom of ravine 75 ft. deep. drains S.W. ascend
80.00	Set a porphyry stone 18×9×7 ins. 12 ins in the ground for cor of secs. 25-26-35 and 36 marked with 1 notch on S. and E. edges; raised a mound of stones 2 ft. base 1½ ft. high W. of cor. - Pits impracticable. - Land mountainous Soil gravely and rocky 3rd rate No timber. - Oak and maple brush in patches Mountainous land 80.00 chs. -
	S. bdy of Tp. being defective I run East on a random line bet. secs. 25 and 36
40.00	Set temp. 1/4 sec. cor.
83.30	Intersect E. bdy. of Tp. 7.60 chs S of cor. of secs. 25 and 36 from which I remove all markings pertaining to secs. 25 and 36, thence I set a porphyry stone 18×9×6 ins. 12 ins in the ground for closing cor. of secs. 25 and 36 marked P.C. on W. face with 1 grove on S. and 5 groves on N. faces; raised a mound of stones 2 ft. base 1½ ft. high W. of cor. Pits impracticable Thence I run West on a true line bet. secs. 25 and 36 Over mountainous land Ascending in dense oak brush
3.00	Leave brush course N. and S
22.00	Bottom of hollow drains S. 50 ft deep. Enter mountain mahogany timber course N. and S.
43.30	Set a porphyry stone 22×10×6 ins. 16 ins. in the ground for 1/4 sec. cor. marked 1/4 on N. face: raised a mound of stones 2 ft. base 1½ ft. high N. of cor. Pits impracticable
45.00	Enter precipitous rocky breaks facing S. and top of ridge N. and S. 550 ft. above sec. cor.
48.00	Leave breaks and begin descent
60.00	Leave mahogany timber course N. and S.
67.18	Dry wash and bottom of hollow draining S. 220 ft.

Chains	
	below ridge ascending to
72.50	Top of ridge course N. and S. 60 ft. high. - Descend
82.95	Bottom of ravine course S.W. 125 ft. below ridge - as ding
83.30	The cor. of secs. 25-26-35 and 36. — Land mountainous
	Soil gravely and rocky 3rd rate — No timber
	Mountainous land 83.30 chs. —
	September 17, 1901
	September 18: at 7h 10m a.m., l.m.t. I set off 40° 31' N. on the lat. arc 2° 3' N. on the decl. arc and determine a true meridian with the solar at the cor. of secs. 25-26-35 and 36 thence I run
	N. 0° 1' W. bet. secs. 25 and 26
	Over mountainous land
	Ascending broken slope
40.00	Set a porphyry stone 18×9×6 ins. 12 ins. in the ground for 1/4 sec. cor. marked 1/4 on W. face: raised a mound of stones 2 ft. base 1½ ft. high W. of cor.
54.00	Top of ridge bears E. and W. 600 ft. above sec. cor.
	Begin descent
80.00	Set a porphyry stone 18×8×6 ins. 12 ins. in the ground for cor. of secs. 23-24-25 and 26 marked with 2 notches on S and 1 notch on E. edges: raised a mound of stones 2 ft. base 1½ ft. high W. of cor. Pits impracticable
	This cor. stands 360 ft. below top of ridge
	Land mountainous
	Soil gravely and rocky 3rd rate
	No timber. — Oak brush in patches
	Mountainous land 80.00 chs.
	East on a random line bet. secs. 24 and 25
40.00	Set temp 1/4 sec. cor.
83.26	Intersect E. bdy. of Tp. 7.50 chs. S. of cor. of secs. 24 and 25 as heretofore described and from which I remove all markings relating to secs. 24 and 25 Thence
	I set a porphyry stone 18×9×5 ins. 12 ins. in the ground for closing cor. of secs. 24 and 25 marked C.C. on W. face with 2 groves on S. and 4 groves on N. faces: raised a mound of stones 2 ft. base 1½ ft. high W. of cor. Pits impracticable

Subdivision of T. 3 S. R. 5 E.

Chains	
	Thence I run
	West on a true line bet. secs. 24 and 25
	Over mountainous land
	Descending abruptly
8.45	Dry wash in bottom of gulch course S 150 ft. below cor. ascending
20.00	Top of spur running S 90 ft. above wash. – Descend
30.30	Dry wash in bottom of gulch 75 ft. below spur. course S.E.
31.76	Mountain road from Heber City runs parallel with gulch. – Ascend
43.26	Set a porphyry stone 18×10×6 ins. 12 ins. in the ground for 1/4 sec. cor. marked 1/4 on N. face: raised a mound of stones 2 ft. base 1½ ft. high N. of cor. Pits impracticable
53.40	Dry wash in ravine 25 ft. deep drains N. 60° E.
65.90	Enter timber course N. and S.
79.30	Leave timber course N. and S.
83.26	The cor. of secs. 23-24-25 and 26
	This cor. stands 500 ft. above road. –
	Land mountainous
	Soil gravely and rocky 3rd rate
	Timber aspen of small size and dense growth –
	Mountainous land 83.26 chs. –
	September 18: At this cor. I set of 1°56' N on the decl. arc and at 11h 54m a m 1 m t observe the sun on the meridian: the resulting lat. is 40°32' N.
	N 0°1' W. bet. secs. 23 and 24
	Over mountainous land
	Descending on broken slope
8.80	Enter timber course N.W. and S.E.
12.00	Leave timber course N.W. and S.E.
14.90	Dry wash in hollow course N.W. 130 ft. below cor. ascending to
19.50	Top of spur running W. 40 ft. high. – Descending
30.00	Dry wash in bottom of gulch course E. from S.W. 125 ft. below spur.
33.25	Dry wash course S. 80° E. from N.W. – ascend
40.00	Set a trachyte stone 17×9×6 ins 12 ins. in the ground for 1/4 sec. cor. marked 1/4 on W. face:

Subdivision of T. 3 S. R. 5 E.

Chains	raised a mound of stones 2 ft. base 1½ ft. high W. of cor. Pits impracticable
	Thin cor. stands at the S. base of a bowlder 5×4×3 ft. above ground
50.00	Top of ridge bears N. 25° W., and S. 25° E. where it breaks to gulch. — 175 ft. above gulch. —
	Descending on broken N.E. slope to
75.00	Dry wash in bottom of gulch course S. 25° E. 160 ft. below ridge
75.75	Mountain road from Heber City runs parallel with gulch. — Ascending
80.00	Set a trachyte stone 17×8×6 ins 11 ins in the ground for cor. of secs. 13-14-23 and 24 marked with 3 notches on S. and 1 notch on E. edge: raised a mound of stones 2 ft. base 1½ ft. high W. of cor. Pits impracticable
	Thin cor. stands 35 ft. above wash
	Land mountainous
	Soil gravely and rocky 3rd rate
	Timber aspen of small size and dense growth — Mountainous land 80.00 chs.
	East on a random line bet. secs. 13 and 24
40.00	Set temp. ¼ sec cor.
83.90	Intersect E. bdy of Tp. 5.60 chs. S. 15° W. of cor. of secs. 13 18-19 and 24 which is a sandstone 18×10×4 ins properly marked set 2 ins. in the ground and witnessed by bearing trees as described by surveyor general:— I reset stone 12 ins. in the ground and removed all markings relating to secs. 13 and 24
	Thence,
	I set a porphyry stone 18×12×6 ins. 12 ins in the ground for closing cor. of secs. 13 and 24 marked C C on W. face with 3 grooves on N. and S. faces: raised a mound of stones 2 ft. base 1½ ft. high W. of cor. Pits impracticable
	Thence I run
	West on a true line bet. secs. 13 and 24
	Over mountainous land
	Ascending gradually on broken N. slopes to
2.00	Top of spur runs N. — Descending

Chains	
10.90	Bottom of gulch drains N 75 ft. deep. - Ascending
39.00	Top of mountain bears N. and S. dividing water shed 230 ft. above gulch.
	Begin descent on long even slope.
43.90	Set a porphyry stone 18×10×5 ins. 12 ins in the ground for 1/4 sec. cor. marked 1/4 on N. face: raised a mound of stones 2 ft. base 1½ ft. high W. of cor. Pits impracticable
83.90	The cor. of secs. 13-14-23 and 24
	This cor. stands 600 ft. below top of ridge
	Land mountainous
	Soil gravely and rocky 3rd rate
	Timber, aspen of small size scattering and dense rank brush and brake on E. side of ridge
	Mountainous land 83.90 chs. -
	September 18, 1901

September 19: At 7h 20m a.m. I set off +0°33' N. on the lat. arc 1°40' N. on the decl. arc and determined a true meridian with the solar at the cor. of secs. 13-14-23 and 24

Thence I run

N 0°1' W. bet. secs. 13 and 14

Over mountainous land

Ascending on even S.W. slope to

40.00	Set a porphyry stone 16×9×6 ins. 11 ins in the ground for 1/4 sec. cor. marked 1/4 on W. face: raised a mound of stones 2 ft. base 1½ ft. high W. of cor. Pits impracticable
43.50	Top of spur runs S. 75° W. 400 ft. above sec. cor.
	Descending to
54.00	Bottom of hollow drains S. 70° W. 80 ft. deep.
	Ascend
68.00	Top of ridge dividing water shed course N 60° W and S. 60° E 110 ft. above hollow.
	Enter timber and descend
80.00	Set a porphyry stone 18×8×6 ins. 12 ins. in the ground for cor. of secs 11-12-13 and 14 marked with 1 notch on E. and 4 notches on S. edge from which

Subdivision of T. 3 S. R 5 E

Chains	
	An aspen tree 5 in. diam. bears S 38°37' E 16 lks dist. marked T. 3 S. R. 5 E. S 13 B.T.
	An aspen tree 6 in. diam. bears N 39°9' E 3 lks dist. marked T. 3 S R. 5 E S 12 B.T.
	An aspen tree 5 in diam. bears S 48°7' W. 11 lks. dist. marked T. 3 S R 5 E S 14 B.T.
	An aspen tree 4 in. diam. bears N 66°19' W. 16 lks dist marked T. 3 S. R. 5 E. S. 11 B.T.
	This cor stands 160 ft. below top of ridge
	Land mountainous
	Soil gravely and rocky 3rd rate
	Timber aspen of small size mainly and dense growth.
	Mountainous land 80.00 chs. —

	East on a random line bet. secs 12 and 13
40.00	Set temp: 1/4 sec: cor.
82.54	Intersect E. bdy. of Tp. 5.62 lks S. 0°56' E. of cor. of secs. 7-12 13 and 18 Which is a stone firmly set marked and witnessed as described by the surveyor general and from which I remove all markings relating to secs. 12 and 13 thence
	I set a porphyry stone 16 x 9 x 6 ins. 11 ins. in the ground for closing cor. of secs. 12 and 13 marked C.C. on W. face with 4 groves on S and 2 groves on N. faces raised a mound of stones 2 ft. base 1½ ft. high W. of cor. - Pits impracticable
	Thence I run
	West on a true line bet. secs. 12 and 13
	Over mountainous land
	Descending
3.76	Bottom of gulch drains N. 30° E. 35 ft. deep.
	Ascend
15.00	Top of spur runs N. 20° E 100 ft. high. Descend
27.15	Bottom of gulch drains N. 115 ft below spur
	Ascending
42.54	Set a trachyte stone 17 x 9 x 6 ins. 11 ins. in the ground for 1/4 sec. cor. marked 1/4 on N. face: raised a mound of stones 2 ft. base 1½ ft. high N. of cor. Pits impracticable. —
42.60	Top of spur runs. N 140 ft. above gulch. - Descend

chains	
56,75	Bottom of gulch course N. 110 ft. deep - ascending
63,30	Top of spur runs N. 80 ft. high. - Descend
78,10	Bottom of gulch 100 ft. deep course N. ascend
82,54	The cor. of secs. 11-12-13 and 14
	Land mountainous
	Soil gravelly 3rd rate
	Timber. aspen of small size scattering
	Mountainous land 82,54 chs. —
	September 19: At this cor. I set off 1° 33' N. on the decl arc and at 11h 54m a.m. I mt observe the sun on the meridian: the resulting lat is 40° 34' N.
	N. 0° 1' W. bet. secs. 11 and 12
	Over mountainous land
	Descending in timber
10,00	Leave timber course E. and W.
33,38	Mountain road bears E. and W.
34,50	Dry wash in bottom of gulch course E 360 ft. below cor. — A small spring bears E about 10 chs. in bottom of gulch. — Ascend abruptly
40,00	Set a porphyry stone 18 x 8 x 7 in. 12 in. in the ground for 1/4 sec. cor. marked 1/4 on W. face: raised a mound of stones 2 ft. base 1½ ft. high. W. of cor. Pits impracticable
41,70	Top of spur runs S.E. 120 ft. above wash. — Thence on steep E. slope
55,75	Dry wash in bottom of hollow course S 30° E Ascending
79,00	Top of ridge bears E. and W. 300 ft. above hollow
80,00	Set a porphyry stone 17 x 9 x 5 in. 11 in. in the ground for cor. of secs. 1-2 11 and 12 marked with 5 notches on S. and 1 notch on E. edge: raised a mound of stones 2 ft. base 1½ ft. high. W. of cor. Pits impracticable
	Land Mountainous
	Soil gravelly 3rd rate
	Timber aspen of small size.
	Mountainous land 80,00 chs. —

Subdivision of T.3 S.R.5 E.

Chains	
	East on a random line bet. secs. 1 and 12
40.00	Set temp 1/4 sec cor.
82.16	Intersect E. bdy. of Tp. 5.57 chs S. of cor. of secs. 1-6-7 and 12 which is a stone firmly set marked and witnessed as described by the surveyor general.— From said cor I remove all markings relating to secs. 1 and 12 thence I set a porphyry stone 18×11×5 ins. 12 ins. in the ground for closing cor. of secs. 1 and 12 marked C.C. on W. face with 1 grove on N. and 5 groves on S. faces: raised a mound of stones 2 ft. base 1½ ft. high W. of cor.—
	Pits impracticable
	Thence I run
	West on a true line bet. secs. 1 and 12
	Over mountainous land
	Ascending
7.15	Top of spur runs N. 30° E 90 ft. above cor.— Descend
17.20	Head of hollow 60 ft. deep course N.— Ascend
30.00	Top of spur runs N. 125 ft. above hollow— Descend
32.10	Bottom of ravine 30 ft. deep drains N.— Ascend
42.16	Set a porphyry stone 16×9×6 ins. 10 ins in the ground for 1/4 sec. cor. marked 1/4 on N face: raised a mound of stones 2 ft. base 1½ ft. high N. of cor.
	Pits impracticable.—
61.00	Top of ridge bears S 75° E and N. 80° W. 250 ft. above ravine.— Thence along S. side of ridge.— Descend
72.00	Top of same ridge bears S. 85° W
82.16	The cor. of secs. 1-2-11 and 12
	Land mountainous
	Soil gravely and rocky 3rd rate
	No timber
	Mountainous land 82.16 chs.—
	September 19 1901

September 20: At 7h 12m a.m. I mt. I set off 40° 34' 30" N. on the lat. arc 1° 16' 30" N. on the decl. arc and determine a true meridian with the solar at the cor. of secs. 1-2-11 and 12 thence I run N 0° 1' W on a random line bet. secs. 1 and 2.

40.00	Set temp 1/4 sec. cor.

chains	
84.96	Intersect N. bdy of Tp. 82 lks. E. of cor. of secs. 1-2-35 and 36 which is a dark porphyry rock stone 14 x 10 x 8 inc. set 6 inc. in the ground and marked with - 1 notch on E. edge and which I reset 9 inc. in the ground, and mark it with - 1 notch on E. and 5 notches on W. edges: raised a mound of stones 2 ft. base 1½ ft. high N. of cor. - Pits impracticable thence
	I set a porphyry stone 18 x 8 x 6 inc. 12 inc. in the ground for closing cor. of secs. 1 and 2 marked C.C. on S. face with - 1 groove on E. and 5 grooves on W. faces: raised a mound of stones 2 ft. base 1½ ft. high S. of cor. Pits impracticable
	Thence I run
	S. 0° 1' E. on a true line bet. secs. 1 and 2
	Over mountainous land
	Ascending broken slope
14.35	Top of spur runs E. 80 ft. above cor. descend
23.86	Dry wash in bottom of gulch course N. 25° E. 100 ft. deep. Ascend on broken N.W. slope
44.96	Set a porphyry stone 18 x 8 x 5 inc. 12 inc. in the ground for 1/4 sec. cor. marked 1/4 on W. face: raised a mound of stones 2 ft. base 1½ ft. high W. of cor. - Pits impracticable
61.85	Bottom of same gulch course N. 15° W. 50 ft. deep.
	Begin abrupt ascent
	Enter timber course E and W.
83.75	Leave timber course E and W.
84.96	The cor. of secs. 1-2-11 and 12
	This cor. stands 390 ft. above gulch
	Land mountainous
	Soil gravelly and rocky 3rd rate
	Timber aspen of small size and rank brush
	Mountainous land 84.96 chs. -
	Note: Being compelled to retrace part of E. and N. bdys. of Tp. in order to make proper closings I proceed from this cor. to do so. -
	September 20. 1901

Subdivision of T. 3 S. R. 5 E.

Chains	
	September 21: At 4h 30m p.m., I m I - I set off 40°31' N on the lat. arc 0°44' N on the decl. arc and determine a true meridian with the solar at the cor. of secs. 25-26-35 and 36. — The S. bdy of secs. 35 being irregular I run
	West bet secs. 26 and 35, on sectional correction line
	Over mountainous land
	Descending broken slope to
14.75	Dry wash in bottom of gulch 100 ft. below cor. course S. — Ascend
27.00	Top of ridge bears S. 20° W. 130 ft. high
	Thence on gradual descent on broken slope
40.00	Set a porphyry stone 18×14×7 ins. 12 ins. in the ground for 1/4 sec. cor. marked 1/4 on N. face; raised a mound of stones 2 ft. base 1½ ft. high N. of cor. —
	Pits impracticable
69.75	Dry wash in bottom of gulch course S. 320 ft. below ridge. — Ascending
80.00	Set a porphyry stone 18×9×7 ins. 12 ins. in the ground for cor of secs. 26-27-34 and 35 marked with 1 notch on S, and 2 notches on E edges; raised a mound of stones 2 ft. base 1½ ft. high W. of cor. Pits impracticable
	This cor. stands 125 ft. above gulch
	Land mountainous
	Soil gravely and rocky 3rd rate
	No timber
	Mountainous land 80.00 chs. —
	September 21, 1901
	September 22: At 7h 5m a.m., I m I - I set off 40°31' N on the lat. arc 0°30' N on the decl. arc and determine a true meridian with the solar at the cor. of secs. 26-27-34 and 35 thence I run
	S. 0°2' E on a random line bet. secs. 34 and 35
42.26	The 1/4 sec. cor. reestablished by me this date and fully described in field notes of resurveys of subdivision lines of this Tp. bears W. 6 lks. dist. —

Subdivision of T. 3 S. R. 5 E.

chains Thence Drum
N 0°3' E on a true line bet. secs. 34 and 35
Over mountainous land
Descending
500 Bottom of hollow drain S 60° E 40 ft. below cor.
Ascend
4225 The cor. of secs. 26-27-34 and 35
This cor. stands 400 ft. above hollow.
Land mountainous
Soil gravely and rocky 3rd rate
Low timber
Mountainous land 4226 chs.

[illegible] being [illegible] Drum
[illegible] line bet. secs 27 and 34
[illegible]
[illegible] 19 [illegible] N of cor. of
[illegible] as reestablished by me
[illegible] and fully described in field
notes of resurvey of subdivision lines this Tp.
Thence Drum
N 0°3' E on a true line bet. secs. 27 and 34
Over mountainous land
Descending
1330 [illegible] in bottom of hollow 125 ft.
below cor. Ascend.
[illegible] 100 ft. high
[illegible]
[illegible] in bottom of hollow
[illegible]
[illegible]
[illegible] in hollow 20 ft. deep.
[illegible] 11 [illegible] in
[illegible] marked [illegible] N.
[illegible] 2 ft. base [illegible]
[illegible] impracticable
[illegible] in hollow 40 ft. deep
[illegible] ascend
[illegible] 130 ft. above wash
[illegible] descend
[illegible] The cor. of secs. 26-27-34 and 35

Subdivision of T. 3 S. R. 5 E.

Chains	
	Land mountainous
	Soil gravely and rocky 3rd rate
	No timber
	Mountainous land 80.00 chs.
	N 0° 2' W. bet. secs. 26 and 27
	Over mountainous land
	Ascending
12.00	Top of spur runs S.E. 130 ft. above cor.
	Begin gradual descent on N.E. slope
40.00	Set a porphyry stone 17 x 9 x 6 ins. 11 ins. in the ground for 1/4 sec. cor. marked 1/4 on W. face: raised a mound of 2 ft. base 1½ ft. high W. of cor. Pits impracticable
40.20	Dry wash and bottom of gulch course S. 35° E 150 ft. below spur. - Ascend
72.00	Top of spur running S.E. 220 ft. above wash Descend
80.00	Set a porphyry stone 18 x 10 x 6 ins. 12 ins. in the ground for cor. of secs. 22-23-26 and 27 marked with 2 notches on S. and E. edges; raised a mound of stones 2 ft. base 1½ ft. high W. of cor. Pits impracticable This cor. stands 60 ft. below spur. -
	Land mountainous
	Soil gravely and rocky 3rd rate
	No timber
	Mountainous land 80.00 chs. -
	September 22, 1901

September 23: At 7h 8m a.m. I set off 40° 32' N. on the lat. arc 0° 6' 30" N. on the decl. arc and determine a true meridian with the solar at the cor. of secs. 22-23-26 and 27

Thence I run

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

40.00	Set temp. 1/4 sec cor.
79.92	Intersect N. and S. line 10 lks. N. of cor. of secs. 23-24-25 and 26
	Thence I run
	N. 89° 56' W. on a true line bet. secs. 23 and 26
	Over mountainous land

Subdivision of T. 3 S. R. 5 E.

Chain	
	Ascending on broken slope
39.99	Set a porphyry stone 16×8×7 ins. 11 ins. in the ground for 1/4 sec. cor. marked 1/4 on N. face; raised a mound of stones 2 ft. base 1½ ft. high N. of cor. Pits impracticable
52.00	Top of ridge bears N 30° W and S 30° E. 400 ft. above sec. cor. Descend abruptly
79.55	Dry wash and bottom of gulch course S. 30° E. 560 ft. below top of ridge. - Ascend
79.92	The cor. of secs. 22-23-26 and 27
	Land mountainous
	Soil gravely and rocky 3rd and 4th rate
	No timber. - Brush scattering
	Mountainous land 79.92 chs. -
	N. 0° 2' W. bet. secs. 22 and 23
	Over mountainous land
	Descending to
1.60	Bottom of gulch course S. 30° E. 20 ft. below cor.
	Ascending broken S.W. slope
40.00	Set a porphyry stone 17×9×6 ins. 11 ins. in the ground for 1/4 sec. cor. marked 1/4 on W. face: raised a mound of stones 2 ft. base 1½ ft. high W. of cor. Pits impracticable
44.00	Top of ridge bears N 60° W and S. 60° E. 500 ft. above wash. -
49.00	Begin descent on broken slope
56.00	Enter aspen brake course E and W.
60.20	Leave aspen brake course E and W.
80.00	Set a porphyry stone 17×8×6 ins. 11 ins. in the ground for cor. of secs. 14-15-22 and 23 marked with 3 notches on S. and 2 notches on E. edges: raised a mound of stones 2 ft. base 1½ ft. high W. of cor. Pits impracticable
	This cor. stands 290 ft. below top of ridge
	Land mountainous
	Soil gravely and rocky 3rd rate
	No timber
	Mountainous land 80.00 chs. -
	September 23: At this cor. I set off 0°02' S on the decl. arc and at 11h 53m a.m. I set observe the sun

Subdivision of T. 3 S. R 5 E. —

Chains on the meridian: the resulting lat is 40° 33' N

S 89° 56' E on a random line bet. secs. 14 and 23
40.00 Set limf. 1/4 sec. cor.
80.12 Intersect N. and S. line at cor. of secs. 13-14-23 and 24
Thence S run
N 89° 56' W. on a true line bet. secs. 14 and 23
Over mountainous land
Descending to
4.00 Dry wash course S. 20° E. in bottom of gulch.
4.75 Road from Silver City to mountain course N 25° W and S 25° E
Ascend gradually over rolling surface
40.00 Set a porphyry stone 18x12x6 in. 12 in in the ground for 1/4 sec. cor. marked 1/4 on N. face: raised a mound of stones 2 ft. base 1½ ft. high N. of cor. Pits impracticable
47.00 Top of spur runs S. 170 ft. above wash
Descend
63.00 Dry wash course S.E. at bottom of slope 140 ft. below spur
Thence on gradual ascent on rolling mesa to
80.12 The cor. of secs. 14-13-22 and 23
Land mountainous
Soil gravelly wash 2nd and 3rd rate
No timber.
Mountainous land 80.12 chs. —

N 0° 2' W bet secs. 14 and 15
Over mountainous land
Descending gradually
5.05 Dry wash in bottom of open draw course E. 25 ft. below cor.
7.50 Begin ascent course E. and W.
14.00 Top of spur runs E. 60 ft. high. — Descend
27.50 Dry wash in bottom of open gulch 60 ft. below spur course S. E. — ascend
40.00 Set a porphyry stone 17x11x6 in. 11 in. in the ground for 1/4 sec. cor. marked 1/4 on W. face: raised a mound of stones 2 ft. base 1½ ft.

Chains	
	high W. of cor. Pits impracticable
52.00	Top of ridge bears N.W. and S.E. - 130 ft above wash
	Descend
53.10	Enter timber course parallel with ridge
62.20	Leave timber course N.W. and S.E.
63.50	Head of gulch drains E 100 ft. below ridge
	Ascend
69.00	Top of show runs E. 60 ft. high. - Descend
75.00	Enter bottom of open gulch course N 75° W and S 75° E 50 ft below show
79.80	Road from Heber City to mountains course E. and W. — Begin gradual ascent
80.00	Set a porphyry stone 16 x 9 x 6 in. 11 in. in the ground for cor. of secs. 10-11-14 and 15 marked with 4 notches on S. and 2 notches on E. edges raised a mound of stones 2 ft. base 1½ ft. high W. of cor. Pits impracticable
	Land Mountainous
	Soil gravelly 2nd and 3rd rate
	Timber aspen of small size
	Mountainous land 80.00 chs. —
	S. 89° 56' E. on a random line bet. secs. 11 and 14
40.00	Set temp. ¼ sec. cor.
80.00	Intersect N. and S. line 10 chs. S. of cor of secs. 11-12-13 and 14
	Thence I run
	West on a true line bet. secs. 11 and 14
	Over mountainous land
	Ascending in timber and dense brush on N.E. slope
24.00	Top of ridge bears N 60° W and S 60° E 200 ft. above cor.
	Descend. —
	Leave Timber course parallel with ridge
40.00	Set a porphyry stone 18 x 10 x 6 in. 12 in. 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
57.00	Enter N. edge of open gulch course W and S 60° E 275 ft below top of ridge. —
	Thence over broken surface to —
60.50	Mountain road bears N. and S.

Subdivision of T. 3 S. R. 6 E.

Chains	
63.56	Mountain road bears N.E. and S.W. in wash S 65° E
80.00	The cor. of secs. 10-11-14 and 15 —
	Land mountainous
	Soil gravelly and rocky 2nd and 3rd rate —
	Timber aspen of small size
	Mountainous land 80.00 chs
	September 23. 1901
	September 24 I run
	N. 0° 2' W. bet. secs. 10 and 11
	Over mountainous land
	Ascending gradually
6.00	Top of spur runs E. 40 ft. above cor. Descend
8.60	Dry wash course S 65° E 25 ft. below spur
	Ascend
29.00	Top of ridge dividing watersheds N. and S.; runs E. and W. 230 ft. above wash. — Descend
	Enter brush and brake
40.00	Set a porphyry stone 18×9×8 inc. 12 inc. in the ground for 1/4 sec. cor. marked 1/4 on W. face: raised a mound of stones 2 ft. base 1½ ft. high W. of cor. - Pits impracticable
43.00	Leave brush and brake
46.96	Mountain road bears E. and W.
48.05	Dry wash in bottom of gulch course E. 210 ft. below ridge. — Ascend
80.00	Set a porphyry stone 18×10×6 inc. 12 inc. in the ground for cor. of secs. 2-3-10 and 11 marked with 5 notches on S. and 2 notches on E. edge raised a mound of stones 2 ft. base 1½ ft. high W of cor. Pits impracticable
	This cor. stands 225 ft. above wash
	Land mountainous
	Soil gravelly and rocky 2nd and 3rd rate —
	No timber
	Mountainous land 80.00 chs. —
	East on a random line bet. secs. 2 and 11
40.00	Set temp 1/4 sec. cor.
80.08	Intersect N. and S. line 7 lks S of cor of secs 1-2-11

Chains	
	and 12
	Thence I run
	S. 89° 57' W. on a true line bet. secs. 2 and 11
	Over mountainous land
2,00	Top of ridge bears N. 75° W. and S. 75° E. Descend
12,70	Bottom of hollow 50 ft. deep course S. 20° E. – Ascend
18,40	Top of spur runs S. 60 ft. high. – Descend
31,90	Bottom of hollow 150 ft. below spur course S. 20° E. Ascend
40,04	Set porphyry stone 18 x 10 x 6 ins. 12 ins. in the ground for 1/4 sec. cor. marked 1/4 on N. face: raised a mound of stones 2 ft. base 1½ ft. high N. of cor. Pits impracticable
44,25	Top of spur runs S. 90 ft. above hollow. – Descend
56,00	Bottom of hollow drains S. 100 ft. deep. – Ascend
62,00	Top of spur runs S. 50 ft. high. – Descend
71,85	Bottom of gulch 80 ft. deep course S. – Ascend
76,00	Top of spur runs S. 50 ft. above gulch. – Descend W.
80,05	The cor. of secs. 2-3-10 and 11
	Land mountainous
	Soil gravely and rocky 3rd rate
	No timber
	Mountainous land 80,05 chs.
	September 24: At this cor. I set off 0° 24' [illegible] S. on the decl. arc and at 11h 52m a.m. ? mt. observe the sun on the meridian: the resulting lat. is 40° 34' 30" N.
	N. 0° 2' W. on a random line bet. secs. 2 and 3
[illegible]	Set temp. 1/4 sec. cor.
84,72	Intersect N. bdy. of Tp. 1.40 chs. N. 89° 50' E. of the cor. of secs. 34 and 35 as heretofore described. Set a porphyry stone 16 x 9 x 6 ins. 11 ins. in the ground for closing cor. of secs. 2 and 3 marked C.C. on S. face with 2 groves on E. and 4 groves on W. faces from which
	An aspen tree 6 ins. diam. bears S. 21° 56' W. 48 lks. dist. marked T. 3 S. R. 5 E. S. 3 B.T.
	An aspen tree 6 ins. diam. bears S. 37° 49' E. 28 lks. dist. marked T. 3 S. R. 5 E. S. 2 B.T.
	Thence I run
	S. 0° 2' E. on a true line bet. secs. 2 and 3

Subdivision of T. 3 S. R. 5 E.

Chains Over mountainous land
Ascending gradually, in timber
2.40 Spring branch 2 lks wide course N. 21° E 60 lks below head of spring
3.75 Leave timber course N.E. and S.W.
29.50 Top of spur runs N.E. 200 ft. above cor.
Descending gradually to
34.32 Mountain road bears N.E. and S.W. in head of hollow draining N.E.
35.70 Enter timber course E. and W.
44.50 Leave timber course E. and W.
44.72 Set a porphyry stone 18 x 8 x 5 in. 12 in. in the ground for 1/4 sec. cor. marked 1/4 on W. face: from which
An aspen tree 4 in. diam. bears N. 7° 37' E 36 lks dist. marked 1/4 S. 2 B.T.
An aspen tree 4 in. diam. bears N 35° 46' W. 29 lks. marked 1/4 S 3 B.T.
57.60 Top of ridge bears E. and W 300 ft. above road
Descend
84.72 The cor. of secs. 2-3-10 and 11
This cor. stands 190 ft. below ridge
Land mountainous
Soil gravely and rocky 3rd rate
Timber aspen of small size
Mountainous land 84.72 chs. —

At the cor. of secs. 27-28-33 and 34 as re-established by me and heretofore described; At 4h 20m p.m. I set off 40' 31" N on the lat. arc 0° 26' 30" S on the decl. arc and determine a true meridian with the solar; thence I run N. 0° 2' W. bet. secs. 27 and 28
Over mountainous land
Ascending gradually on broken slope
32.00 Top of ridge bears E. and W. 200 ft. above cor
Descend
39.75 Dry wash in hollow drains S W. 60 ft. deep
Ascending
40.00 Set a porphyry stone 16 x 14 x 7 in. 15 in. in the ground for 1/4 sec. cor. marked 1/4 on W. face

Chains	
	raised a mound of stones 2 ft. base 1½ ft. high W. of cor. Pits impracticable
47.00	Ravine 20 ft. deep drains S.W. : Begin abrupt ascent
73.00	Top of spur runs W. 500 ft. above hollow Thence on steep W. slope to
80.00	Set a porphyry stone 18 x 9 x 6 ins. 12 ins. in the ground for cor. of secs. 21-22-27 and 28 marked with 2 notches on S. and 3 notches on E. edges raised a mound of stones 2 ft. base 1½ ft. high W. of cor. pits impracticable
	Land mountainous
	Soil gravely and rocky 3rd rate
	No timber
	Mountainous land 80.00 chs. —
	September 24, 1901
	September 25: At 7h 45m a.m. I set off 40°32' N. on the lat. arc 0°40' S on the decl. arc and determine a true meridian with the solar at the cor. of secs. 21-22-27 and 28 Thence I run
	N. 89°52' E. on a random line bet. secs. 22 and 27
40.00	Set temp. 1/4 sec cor
80.20	Intersect N. and S. line 19 lks. N. of cor. of secs. 22-23-26 and 27
	Thence I run
	West on a true line bet. secs. 22 and 27
	Over mountainous land
	Ascending broken slope
26.00	Top of spur runs S.E. 280 ft. above cor. Thence along S. slope and gradual ascent
40.10	Set a porphyry stone 18 x 10 x 5 ins. 12 ins. in the ground for 1/4 sec. cor. marked 1/4 on N. face: raised a mound of stones 2 ft. base 1½ ft. high N. of cor. Pits impracticable
53.70	Head of gulch 30 ft. deep drains S.E. Begin abrupt ascent
68.20	Top of ridge bears N. and S. 500 ft. above sec. cor. Descending abruptly
80.20	The cor. of secs. 21-22-27 and 28

Subdivision of T.3 S.R.6 E.

Chain: This cor. stands 210 ft. below ridge
Land mountainous
Soil gravelly and rocky 3rd rate
No timber
Mountainous land 80.20 chs. —

N 89°46' W on a random line bet. secs 21 and 28
40.00 Set temp 1/4 sec. cor.
82.29 Intersect N. and S. line 49 chs. N. of cor. of secs. 20 21-28 and 29 as re-established by me this day and described in field notes of resurvey, subdivision lines
Thence I run
N. 89°53' E. on a true line bet. secs. 21 and 28
Over mountainous land
Ascending gradually to
9.00 Top of low spur S. — Descend
11.20 Dry wash course S. 20° W. 20 ft. deep. — ascend unggradual broken slope
36.00 Top of spur runs S 20° W. 100 ft. above cor. Descend
42.29 Set a porphyry stone 17 x 9 x 6 in. 11 in. in the ground for 1/4 sec. cor. marked 1/4 on N. face: raised a mound of stones 2 ft. base 1½ ft. high N. of cor. Pits impracticable
45.25 Dry wash in bottom of gulch course S 70 ft. deep Begin abrupt ascent
53.30 Top of spur runs S 90 ft. high. — Descend
65.60 Dry wash in hollow, course S.W. 30 ft. deep. Ascend
69.10 Top of ridge bears N. and S. 125 ft above wash Descending
74.10 Dry wash in gulch 60 ft. deep course S. Ascending abruptly to
82.29 The cor. of secs. 21-22-27 and 28
This cor. stands 100 ft. above wash
Land mountainous
Soil gravelly and rocky 3rd rate
Timber, a few scattering cedars
Mountainous land 82.29 chs. —

September 26, 1901

Subdivision of T. 3 S. R. 5 E.

Chains	
	September 26: At 7h 16m a.m., Mt. I set off 40°32' N. on the lat. arc 1°3'30" S. on the decl. arc and determine a true meridian with the solar at the cor. of secs. 21-22-27 and 28 thence I run N. 0°2' W. bet. secs. 21 and 22
	Over mountainous land
	On steep W. slope and gradual ascent to
20.00	Begin gradual descent
30.50	Bottom of ravine 90 ft. deep. drains S.W.
	Begin abrupt ascent
40.00	Set a porphyry stone 18×10×5 ins. 12 ins. in the ground for 1/4 sec. cor. marked 1/4 on W. face; raised a mound of stones 2 ft. base 1½ ft. high W. of cor. Pits impracticable
	Thence along rocky break to
67.00	Top of ridge bears N 25° W and S. 25° E. 600 ft. above sec cor. —
	Descending gradually on N.E. slope to
80.00	Set a porphyry stone 17×9×6 ins. 11 ins. in the ground for cor. of secs. 15-16-21 and 22 marked 3.S. on N.E. and 5.E. on S.E. faces with 3 notches on S. and E. edges; raised a mound of stones 2 ft. base 1½ ft. high W. of cor. Pits impracticable
	This cor. stands 60 ft. below ridge
	Land mountainous
	Soil gravely and rocky 3rd and 4th rate
	No timber
	Mountainous land 80.00 chs. —
	East on a random line bet. secs. 15 and 22
40.00	Set temp. 1/4 sec. cor.
80.00	Intersect N. and S. line at cor. of secs. 14-15-22 and 23
	Thence I run
	West on true line bet. secs. 15 and 22
	Over mountainous land
	Ascending broken N.E. slope
22.00	Enter aspen brake course N. and S.
31.00	Leave aspen brake course N. and S.
36.00	Top of ridge bears N. and S. 320 ft. above cor.
	Descend over broken S.W. slope
40.00	Set a porphyry stone 20×11×6 ins. in earth

Subdivision of T. 3 S. R. 5 E.

Chains and mound of stones on rocky bottom for 1/4 sec. cor. marked 1/4 on N. face: raised a mound of stones 2 ft. base 1½ ft. high N. of Pits impracticable. –

63.00 Head of gulch course S.E. 130 ft. below ridge
Ascend to

80.00 The cor. of secs. 15-16-21 and 22
This cor. stands 100 ft. above gulch
Land mountainous
Soil gravely and rocky 3rd and 4th rate
Timber aspen of small size
Mountainous land 80.00 chs. –
September 26: at this cor. I set off 1°10'30" S. on the decl. arc and at 11h 51m a.m., 7 m.t. of the sun on the meridian: the resulting lat. is 40°33' N.

N. 0° 2' W. bet. secs. 15 and 16
Over mountainous land
Ascending

25.00 Top of ridge bears E. and W. 180 ft. above cor.
Descend

29.30 Enter aspen brake course E. and W.

34.00 Leave aspen brake course E. and W.

40.00 Set a porphyry stone 18 x 8 x 6 ins. 12 ins. in the ground for 1/4 sec. cor. marked 1/4 on W. face: raised a mound of stones 2 ft. base 1½ ft. high W. of cor. Pits impracticable

46.00 Head of hollow drains E. 175 ft. below ridge
Ascend

52.20 Enter aspen brake course E. and W.

53.25 Fence bears E. and W.

61.50 Top of spur runs E. 100 ft. above hollow
Descend abruptly on spur

79.25 Leave aspen brake course E. and W.

80.00 Set porphyry stone 17 x 8 x 5 ins. 12 ins. in the ground for cor. of secs. 9-10-15 and 16 marked with 4 notches on S. and 3 notches on E. edges raised a mound of stones 2 ft. base 1½ ft. high W. of cor. Pits impracticable
This cor. stands 300 ft. below top of spur

Subdivision of T.3 S. R.5 E.

Chains	
	Land mountainous
	Soil gravely 3rd rate
	Timber aspen brake, all small size
	Mountainous land 80.00 chs.—
	East on a random line bet. secs. 10 and 15
40.00	Set temp. 1/4 sec. cor.
80.14	Intersect N. and S. line 12 lks. S of cor. of secs. 10-11-14 and 15
	Thence I run
	S. 89° 55' W. on a true line bet. secs. 10 and 15
	Over mountainous land
	Ascending gradually to
7.00	Wood road bears S. 75° E. and N. 75° W.
12.00	Top of spur. runs N. 75 ft. above cor. Descend
13.65	Same road course N 75° E and S 75° W.
15.65	Fence runs N. and S.
17.74	Dry wash in bottom of open gulch course N.E. 50 ft. below spur. — Ascending gradually
24.60	Top of spur 20 ft. high runs S. — Descend
31.00	Bottom of open gulch draining S.E.
	Begin gradual ascent
40.07	Set a porphyry stone 18 x 10 x 6 ins. 12 ins in the ground for 1/4 sec. cor. marked 1/4 on N face: raised a mound of stones 2 ft. base 1½ ft. high N. of cor. Pits impracticable
42.50	Top of spur runs N. 75 ft. high: Divide of watershed Descend
52.75	Dry wash in hollow drains N. 60 ft. deep — Ascend
61.00	Top of spur 80 ft. high runs N. — Descend
70.50	Bottom of hollow 50 ft. deep drains N. Ascend
78.75	Top of spur runs N. 40 ft. high — Descend
80.14	The cor. of secs. 9-10-16 and 15
	Land mountainous
	Soil gravely ?
	No timber
	Mountainous land 80.14 chs.—
	N 0° 2' W. bet. secs. 9 and 16
	Over mountainous land
	Descending

Subdivision of T 35 R 5 E

Chains	
9.10	Dry wash in bottom of gulch 90 ft. below cor. course N. 60° E. — There is a small dam across this gulch. about 20 chs below line intended to form a small reservoir, but no indication of having been filled nor held water at all nor is the watershed extensive enough to supply it. — Ascend
16.00	Top of spur 50 ft. high runs N. 60° E. - Descend
29.20	Bottom of hollow drains N. 75° E. 60 ft. deep. Ascend
40.00	Set a porphyry stone 16×10×8 ins. 11 ins. in the ground for 1/4 sec cor. marked 1/4 on W. face: raised a mound of stones 2 ft. base 1½ ft. high W. of cor. Pits impracticable
43.00	Top of spur. runs N. 75° E. 60 ft. high. - Descend
46.15	Bottom of hollow drains E 40 ft. deep. Ascend
60.00	Top of spur runs E. 80 ft. high. - Descend
69.50	Bottom of hollow 30 ft deep drains E. Ascending W
72.30	Fence bears E. and W.
80.00	Set a porphyry stone 16×12×8 ins. 11 ins in the ground for cor. of secs. 3-4-9 and 10 marked with 5 notches on S. and 3 notches on E. edge raised a mound of stones 2 ft. base 1½ ft. high W. of cor. Pits impracticable Land mountainous Soil gravely 2nd and 3rd rate No timber Mountainous land. 80.00 chs. — September 26. 1901

September 27: At 7h 5m. a.m. I put O set off 40° 34' 30" N on the lat. arc 1° 27' S on the decl. arc and determine a true meridian with the solar at the cor. of secs. 3-4-9 and 10

Thence I run

N. 89° 55' E. on a random line bet. secs. 3 and 10

40.00	Set temp 1/4 sec. cor.
80.16	Intersect N and S. line 12 lks N of cor. of secs. 2-3 10 and 11

Chains	Thence S. run
	West. on a true line bet. secs. 3 and 10
	Over mountainous land
	Descending
5.33	Bottom of hollow drains S. 75 ft. below cor.
	Ascend
18.00	Top of spur runs S. 90 ft. high. – Descend
30.00	Enter bottom of hollow 60 ft. below spur. course S.
34.53	Old mountain road runs N. and S.
36.00	Ascend
39.00	Top of spur runs S. 20 ft. high. – Descend
40.00	Set a porphyry stone 16 x 4 x 6 in. 11 in. in the ground for 1/4 sec. cor. marked 1/4 on N. face: raised a mound of stones 2 ft. base 1½ ft. high N. of cor. Pits impracticable
	South of this cor. and within sec 10 is located a level meadow once a lake: it is rather circular in shape and 40 to 50 chs diam. –
44.26	Bottom of hollow drains S. – ascend
45.61	Short piece of shallow ditch, course S.W. and N.E. probably 6 chs long
67.00	Top of spur runs S. 100 ft. high
	Thence over rolling surface W.
80.16	The cor. of secs. 3-4-9 and 10
	Land mountainous
	Soil gravely 2nd rate
	No timber
	Mountainous land 80.16 chs. –
	N. 0° 2' W. on a random line bet. secs. 3 and 4
40.00	Set temp. 1/4 sec. cor.
83.67	Intersect N. bdy. of Tp. 2.29 chs. N 87° 32' E of cor. of secs. 3-4-33 and 34 as heretofore described.
	Set a porphyry stone 18 x 10 x 8 in. 12 in. in the ground for closing cor. of secs. 3 and 4 marked C.C. on S. face with 3 grooves on E. and W. faces: raised a mound of stones 2 ft. base 1½ ft. high S. of cor. Pits impracticable.
	Examine all markings from cor of secs 3-4-33 and 34 relating to secs 3 and 4
	Thence S. run

Subdivision of T. 3 S. R. 5 E.

Chains	
	S 0° 2' E. on a true line bet. secs. 3 and 4
	Over mountainous land
	Ascending on broken slope
33.50	Top of spur runs N.W. 200 ft. above cor.
	Descend
43.67	Set a porphyry stone 18×12×7 ins. 12 ins. in the ground for 1/4 sec. cor. marked 1/4 on W. face: raised a mound of stones 2 ft. base 1½ ft. high W. of cor. Pits impracticable
51.20	Dry wash in bottom of gulch 125 ft. deep course N. 19° W. —
	Ascending abruptly
66.00	Enter aspen brake course E. and W.
78.50	Leave aspen brake course E. and W.
	Top of ridge bears N.E. and S.W. 400 ft. above gulch
81.00	Begin descent
83.67	The cor. of secs. 3-4-9 and 10
	Land mountainous
	Soil gravely and rocky 2nd and 3rd rate
	Timber aspen of small size
	Mountainous land 83.67 chs. —
	September 27: At this cor. I set off 1° 34' S. on the decl. are and at 11h 57m a.m. I m T — observe the sun on the meridian: the resulting lat. is 40° 34' 30" N.

The S. bdy. of sec. 21 being defective in measurement I run from the cor of secs. 15-16-21 and 22 West bet. secs. 16 and 21; on sectional correction line

	Over mountainous land
	Ascending, on rocky broken slope
3.50	Perpendicular cliff 15 ft. high runs N. and S.
4.10	Top of ridge bears N. 18° W. and S. 15° E. 60 ft. above cor. — Descend abruptly
36.10	Dry wash in bottom of narrow gulch ± 60 ft. below ridge course S 10° W.
	Thence over broken S. slope to
40.00	Set a porphyry stone 16×8×6 ins. 11 ins. in the ground for 1/4 sec. cor. marked 1/4 on N. face: raised a mound of stones 2 ft. base 1½ ft.

chains	
	high N. of cor. Pits impracticable
42.40	Dry wash in bottom of gulch course S. 10° E.
	Wood road runs parallel with gulch
	Begin abrupt ascent
53.25	Top of ridge bears N 10° W and S 10° E. 220 ft. above wash. — Descend
80.00	Set a porphyry stone 18 x 8 x 7 in. 12 in. in the ground for cor. of secs. 16-17-20 and 21 marked with 3 notches on S and 4 notches on E. edges: raised a mound of stones 2 ft. base 1½ ft. high W. of cor. Pits impracticable
	This cor. stands 320 ft. below top of ridge
	Land mountainous
	Soil gravely and rocky 3rd rate
	No timber
	Mountainous land 80.00 chs. —
	S. 0° 3' E on a random line bet. secs. 20 and 21.
40.00	Set temp. 1/4 sec. cor.
80.36	Intersect E. and W. line 2.29 chs. E. of cor. of secs. 20-21-28 and 29 as re-established by me and described in field notes of reserveys
	I remove from said cor. all marking relating to secs. 20 and 21, and
	Set a porphyry stone 20 x 8 x 6 in. 15 in. in the ground for closing cor. of secs. 20 and 21 marked C. C. on N. face with 4 groves on E. and 2 groves on W. faces: raised a mound of stones 2 ft. base 1½ ft. high N. of cor.
	Pits impracticable. —
	Thence I run
	N. 0° 3' W. on a true line bet. secs. 20 and 21
	Over mountainous land
	Ascending on broken slope
3.05	Wood road bears S. 30° W. and N. 30° E.
5.35	Dry wash 30 ft. deep course S. 60° W.
20.00	Top of spur runs S.W. 140 ft. above cor. — Descend S.W. slope
35.90	Bottom of ravine 60 ft. deep drains S.W.
	Begin ascent
40.18	A stationary porphyry stone 12 x 12 x 10 in. above ground for 1/4 sec. cor. I mark 1/4 on W. face: raised a mound of stones 2 ft. base

Subdivision of T 3 S R 5 E.

Chains	
	1½ ft. high W of cor Pits impracticable
44.50	Top of spur runs S.W. 60 ft. above ravine Descend
47.50	Dry wash in bottom of ravine 40 ft. deep course S.W. Ascend
59.55	Top of spur runs S.W. 120 ft. above wash Descend abruptly
65.40	Dry wash in ravine 90 ft. deep. course S.W. Ascending to
71.00	Top of spur runs S. 75° W. 100 ft. above wash Descend gradually
80.36	The cor of secs. 16-17-20 and 21
	Land mountainous
	Soil gravely and rocky 3rd rate
	No timber. - Dense oak brush in patches
	Mountainous land 80.36 chs. -
	September 27, 1901
	September 28: At 7h 6m a m 1 mt ☉ set off 40° 33' N on the lat. arc 1°50' S. on the decl. arc and determine a true meridian with the solar at the cor of secs 16-17-20 and 21 Thence I run
	N. 89° 53' W. on a random line bet. secs. 17 and 20
42.22	The ¼ sec. cor. as reestablished by me this date and fully described in field notes of resurveys subdivisions bears S. 24 lks. dist
	Thence I run
	N. 89° 46' E. on a true line bet. secs 17 and 20.
	Over mountainous land
	Descending
5.20	Bottom of hollow and dry wash drains S 10° W. Ascend
19.00	Top of ridge bears N. and S. 75 ft. above hollow Begin abrupt descent
28.40	Dry wash and bottom of narrow gulch course S. 260 ft. below ridge. - ascend
42.22	The cor. of secs. 16-17-20 and 21
	This cor. stand 160 ft. above wash
	Land Mountainous

Subdivision of T. 3 S. R. 5 E.

Chains	
	Soil gravely and rocky 3rd rate
	No timber. — Dense oak brush
	Mountainous land 4292 chs. —
	N. 0° 3' W. bet. secs. 16 and 17
	Over mountainous land
	Steep broken W. slope
6.50	Hollow drains W. Ascend gradually
9.30	Dry wash 30 ft. deep drains S. 60° W.
	Begin abrupt ascent on rocky slope
40.00	Set a porphyry stone 18 × 7 × 6 in. 12 in. in the ground for 1/4 sec. cor. marked 1/4 on W. face; raised a mound of stones 2 ft. base 1½ ft. high W. of cor. Pits impracticable
45.00	Enter rocky cliffs and breaks course N.W. and S.E.
52.00	Top of ridge runs N. W. and S.E. 900 ft. above sec. cor.
	Descending gradually on N.E. slope to
67.00	Bottom of hollow drains E. 130 ft. below ridge
	Ascend to
80.00	Set a porphyry stone 18 × 8 × 6 in. 12 in. in the ground for cor. of secs. 8-9-16 and 17 marked with 4 notches on S. and E. edges; raised a mound of stones 2 ft. base 1½ ft. high W. of cor. Pits impracticable
	This cor stands 100 ft. above hollow
	Land mountainous
	Soil gravely and rocky 3rd and 4th rate
	No timber
	Mountainous land 8000 chs. —
	September 28: At this cor. I set off 1° 57' S. on the decl. arc and at 11h 51m a.m., I m.t. observe the sun on the meridian; the resulting lat. is 40° 34' N. —
	East on a random line bet. secs. 9 and 16
40.00	Set temp. 1/4 sec. cor.
79.96	Intersect N. and S. line at cor. of secs. 9-10-15 and 16
	Thence I run
	West on a true line bet. secs. 9 and 16

Subdivision of T. 3 S. R. 5 E.

Chains	
	Over mountainous land
	Descending
8.40	Bottom of hollow drains N. 20° E 75 ft. below cor.
	Ascending on broken slope
30.00	Spur runs N. 50° E.
33.50	Enter dense aspen and willow brake course N. and S.
39.98	Set a porphyry stone 16 x 7 x 6 in. 11 in. in the ground for 1/4 sec. cor. marked 1/4 on N. face from which
	A willow tree 5 ins diam. bears S 21° 30' W. 6 lks dist. marked 1/4 S. 16 B.T.
	An aspen tree 3 ins. diam. bears N. 11° 30' W. 14 lks dist. marked 1/4 S. 9 B.T.
43.50	Land brake course N. and S.
43.69	Fence bears about N. and S.
44.00	Top of mountain course N. 20° W and S. 20° E. 440 ft. above hollow. Descend
70.05	Dry wash and wood road in bottom of gulch course S. 20° E. — 200 ft. below top of mountain. — Ascend
79.96	The cor of secs. 8-9-16 and 17
	This cor. stands 90 ft. above wash
	Land mountainous
	Soil gravelly and rocky 3rd rate
	No timber
	Mountainous land 79.96 chs. —
	S. bdy of secs 17 being irregular I run
	West on a random line bet. secs. 8 and 17
40.00	Set temp. 1/4 sec. cor.
82.52	Intersect N. and S. line 26 lks. N. of cor. of secs. 7-8-17 and 18 which is a stone firmly set marked and witnessed as described by the surveyor general.
	Thence I run
	N. 89° 50' E on a true line bet. secs. 8 and 17
	Over mountainous land
	Ascending
9.50	Top of ridge bears. N 20° E and S 20° W. 125 ft. above cor.
	Descending to
27.05	Dry wash runs S. 20° W 100 ft below ridge

Subdivision of T. 3 S. R. 5 E.

Chains	
	Ascending abruptly
42.52	Set a porphyry stone 16×8×6 ins. 11 ins. in the ground for 1/4 sec. cor. marked 1/4 on N. face; raised a mound of stones 2 ft. base 1½ ft. high N. of cor. Pits impracticable
70.00	Top of ridge bears S 20° E and N. 20° W 775 ft. above gulch. – Descend gradually
82.52	The cor. of secs. 8-9-16 and 17
	This cor. stands 60 ft. below top of ridge
	Land mountainous
	Soil gravely and rocky 3rd rate
	No timber. – Dense oak brush in patches
	Mountainous land 82.52 chs. –
	September 28: 1901
	September 29: At 7h 3m a.m., I set off 40° 34' N. on the lat. arc 2° 13' 30" S. on the decl arc and determine a true meridian with the solar at the cor. of secs. 8-9-16 and 17. thence I run
	N. 0° 3' W. bet. secs. 8 and 9
	Over mountainous land
	Descending gradually on E. slope to
20.04	Bottom of gulch and wood road course S 20° E 50 ft. below cor. Ascend
35.00	Top of mountain bears N.W. and S.E. 120 ft. above gulch
	Begin abrupt descent
37.50	Enter aspen brake course E. and W.
40.00	Set a porphyry stone 17×9×6 ins. 11 ins. in the ground for 1/4 sec. cor. marked 1/4 on W. face; raised a mound of stones 2 ft. base 1½ ft. high W. of cor. Pits impracticable
45.00	Leave brake course E. and W. at head of gulch course N.E. –
	Thence on N.W. slope
67.50	Bottom of gulch and dry wash course N. 65° E. 460 ft. below top of mountain. – Ascend on S.E. slope
80.00	Set a porphyry stone 17×11×7 ins. 11 ins. in the ground for cor. of secs. 4-5-8 and 9 marked with 4 notches on E. and 5 notches on S. edges

Subdivision of F 35 R 6 E

Chains	raised a mound of stones 2 ft. base 1½ ft. high W. of cor. Pits impracticable.
	Thin cor. stands 95 ft. above wash
	Land mountainous
	Soil gravelly and rocky 3rd and 4th rate
	Timber aspen of small size scattering
	Mountainous land 80.00 chs. —
	East on a random line bet. secs. 4 and 9
40.00	Set temp. 1/4 sec. cor.
80.06	Intersect N. and S. line 7 lks. N of cor of secs. 3-4 9 and 10
	Thence Jrnw
	N 89°57' W. on a true line bet. secs. 4 and 9
	Over mountainous land
	Ascending to
6.00	Top of ridge bears N.E. and S.W. Descend
12.00	Head of hollow 75 ft. deep course N. —
	Ascending
19.00	Top of ridge bears N. and S. 100 ft. above hollow
	Descending broken slope
40.03	A stationary porphyry stone 22x10x10 in. above ground for 1/4 sec. cor. I mark 1/4 on N. face: raised a mound of stones 2 ft. base 1½ ft. high N. of cor. Pits impracticable. —
64.20	Dry wash in bottom of gulch course N. 10° W. 400 ft. below ridge. — ascend abruptly
80.06	The cor. of secs. 4-5-8 and 9
	Thin cor. stands 130 ft. above wash.
	Land mountainous
	Soil gravelly and rocky 3rd rate
	No timber. — Some brush in patches
	Mountainous land 80.06 chs
	September 29: At this cor. I set off 2°21'S on the decl. arc and at 11h 50m a.m. I will observe the sun on the meridian: the resulting lat is 40° 34'30" N. —
	S. 89°50' W. on a random line bet. secs. 5 and 8
40.00	Set temp. 1/4 sec. cor.
83.00	Intersect N. and S. line 14 lks. S. of cor. of secs. 5-6

[illegible]

[illegible] 7 and 8 as reestablished by me this date and [illegible] in field notes of resurveys of [illegible]

[illegible]

[illegible] line bet. secs. 5 and 8

[illegible]

ascending [illegible]

32.50 [illegible] course N.W. and S.E. 400 ft. above cor. Enter aspen timber and brake and descend on N.E. slope

[illegible] porphyry stone 17 x 6 x 7 in. 12 in. in [illegible] for [illegible] cor. marked [illegible] on N. [illegible]

[illegible] 15°E. [illegible] marked [illegible] B.T.

[illegible]

[illegible]

[illegible] N.20°[illegible] [illegible] below [illegible]

[illegible] course N. and S.

[illegible] and S.E. 100 ft. above [illegible]

[illegible]

[illegible] ridge

[illegible]

[illegible]

[illegible]

[illegible] 1901

[illegible] 30 [illegible] from cor. of secs. 4-5-8 and 9

N.0°[illegible] on a random line bet. secs. 4 and 5

[illegible]

[illegible] N. [illegible] of [illegible] 3.19 chs. S.89°[illegible] E. of [illegible] 32 and [illegible] as heretofore described [illegible] remove all marking [illegible] 4 and 5 Thence

[illegible] stone 17 x 11 x 6 in. 11 in. in [illegible] for [illegible] cor. of secs. 4 and 5 marked [illegible] 2 [illegible] on [illegible] and 5 [illegible]

Subdivision of T. 3 S. R. 5 E.

Chains E. faces; raised a mound of stones 2 ft. base 1½ ft. high S. of cor. Pits impracticable
Thence I run
S 0° 3' E. on a true line bet. secs. 4 and 5
Over mountainous land
Ascending gradually to
3.15 Bottom of ravine course N. 20° W.
Ascend broken slope
20.00 Top of spur runs N. 75° E. 160 ft. above cor.
Descend gradually to
33.10 Dry wash in bottom of hollow course N. 60° E. 60 ft. below spur. Ascend
42.40 Top of spur runs N. E. 100 ft. high. Descend
44.14 Set a porphyry stone 18×11×8 ins. 12 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
48.00 Dry wash in bottom of gulch course N. 30° E. 50 ft. below spur.
Begin abrupt ascent
65.00 Top of ridge bears N 30° E and S. 30° W. 230 ft. above wash.
68.00 Descend on S.E. slope to
84.14 The cor. of secs. 4-5-8 and 9
This cor. stands 135 ft. below top of ridge
Land mountainous
Soil gravely and rocky 3rd rate
No timber
Mountainous land 84.14 chs.

September 30. 1901

General Description

The portion of this township covered by the present survey is all mountainous land and very rough and broken. The soil is nearly all rocky and poor and no part of the township is suited for cultivation on account of the soil as well as the high elevation.
There is no water only in the early spring when it is used for sheep pasture.
There is no timber of any value.

Subdivision of T 3 S R 5 E

No mines nor quarries exist within the township, but the formation consisting of sandstone, limestones and porphyritic rock warrants the belief that minerals may be found some time; and the same formation 2 or 3 miles to the west is known to contain valuable ore deposits, and I should designate all as mineral lands, within this survey.— There are no settlers, nor improvements of any kind excepting the fence in sec. 9-10-15 and 16 which is described in the proper place. Ownership of same not learned, and it is seemingly abandoned and much of it broken down.— It was probably intended to define the boundaries of Desert Entry No 3344 John Clyde applicant, for certain parts of sec. 10 T. 3 S. R. 5 E.

Andrew P Stanson

U.S. Deputy Surveyor

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

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

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

.....

showing the respective capacities in which they acted:

....., *Chainman.*

....., *Chainman.*

....., *Moundman.*

....., *Moundman.*

....., *Axman.*

....., *Axman.*

....., *Flagman.*

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted .....

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

.....

.....

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

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

....., *Chainman.*

....., *Chainman.*

....., *Moundman.*

....., *Moundman.*

....., *Axman.*

....., *Axman.*

....., *Flagman.*

.....

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

SEAL

.....

.....

6—151

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

..... United States Deputy Surveyo

[illegible] that, in pursuance of a contract received from .....

United States Surveyor General for ..... bearing date

..... day of ..... 189 . I have well, faithfully, and truly, in my

[illegible] and in strict conformity with the instructions furnished by the United States Sur

General for ..... the Manual of Surveying Instructions, and the laws o

United States, surveyed all those parts or portions of .....

.....

.....

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

..... meridian, in the ..... of ....., which are represented

foregoing field notes as having been surveyed by me, and under my direction; and I do further sol

swear that all the corners of said survey have been established and perpetuated in strict accordance

the Manual of Surveying Instructions and the special written instructions of the United States Su

General for ..... and in the specific manner described in the field notes, an

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 Sur

Subscribed by said ....., and sworn to before me

this ..... day of ....., 189

SEAL

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, June 9, 1903

The foregoing field notes of the survey of The Subdivisional Lines of Township 3 South Range 5 East of the Salt Lake Base & Meridian, Utah

executed by Andrew P. Hanson

under his contract No. 244, dated April 12, 1901, 189 , havi

[illegible] examined, and the necessary corrections and explanations made, the said field notes, a

[illegible] are hereby approved.

Edward H. Anderson

United States Surveyor

[illegible] 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 o

.....

United States Surveyor G

BLANK

PAGE

BLANK

PAGE

4—679.

G

BOOK A-292

FIELD NOTES

OF THE Re SURVEY OF THE

Subdivision Lines

of

Township No. 3 South Range No. 5 East

Of the Salt Lake Base and Meridian,

Utah

AS SURVEYED BY

Andrew P. Hanson, United States Deputy Surveyor,

Under his Contract No. 244, dated April 12, ~~189~~ 1901

Survey commenced September 22, ~~189~~ 1901

Survey completed September 30, ~~189~~ 1901

6—151

Resurvey Lights 8 — 39 — 20
" Jones — 48 — 21

NAMES AND DUTIES OF ASSISTANTS.

D. F. Clark	Chainman
B. R. Lawrence	"
D. F. Clark	Moundman
Alfred Carlson	"
B. R. Lawrence	Axman
Thos Lawrence Jr	"
Alfred Carlson	Flagman

For preliminary affidavits see book D. F. J. S. R. C. E.

6—151

Volume
#
R0292

BOOK A-292

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
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 assi
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 establishm
of corners, according to the instructions given us, to the best of our skill and ability, in the surve

.....

..... *Moundm*

..... *Moundm*

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

SEAL

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

.....

..... *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

6—151

Resurvey of Subdivision lines T.3S.R.5E.

Chains	
	Survey commenced September 22, 1901 and executed with a Gurley light mountain transit with solar attachments: 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, found correct and was approved by the surveyor general April 13, 1901.—
	Note: Having fully tested the adjustments of the instrument September 16-17 1901 at the beginning of survey of this township as fully described in the field notes of resurvey of S. bdy T.3S.R.5E. reference to which is hereby made and being confident the adjustments are still in order I consider it unnecessary to repeat the test at this time.—
	Having in the execution of subdivision of this Tp. failed to find the 1/4 sec. cor. bet. secs. 34 and 35 as described by the surveyor general, though a careful search was made for it in the locality it should stand, I make the following resurvey.—
	I begin at the cor. of secs. 2-3-34 and 35 on S. bdy. of Tp. as heretofore described
	Thence I run
	North bet. secs. 34 and 35
	Over mountainous land
	Along fence line course N. and S.
1,50	Begin descent
4,80	Dry wash course S. 65° W. in mouth of gulch 20 ft deep.—
	Enter dense Undergrowth course E. & W.
5,10	Ditch 5 lks. wide course S. 75° W.
9,11	Fence bears N 25° W and S. 25° E
	Begin ascent.—
	Leave dense undergrowth course E and W.

Resurvey of subdivisions, of T. 3 S. R. 5 E

Chains	
21.20	Fence turns E.
27.00	Top of ridge bears E and W. 140 ft. above gulch
	Descend on N. E. slope to
40.00	Further search at this place failed to show any trace of original 1/4 sec. cor. therefore I set a porphyry stone 16 x 9 x 6 ins. 11 ins. in the ground for 1/4 sec. cor. marked 1/4 on W. face: raised a mound of stones 2 ft. base 1½ ft. high W. of cor. Pits impracticable This cor. stands 90 ft. below top of ridge
	Land mountainous
	Soil gravelly wash 2nd and 3rd rate
	No timber
	Mountainous land and Dense undergrowth
	40.00 chs. —

In the execution of subdivision of this Tp. having run west on a random line bet. secs. 27 and 34. — At 80.00 chs. I find and fully identify a trace of original cor. of secs. 27-28-33 and 34 bearing S. 19 lks. and in order to make proper closing of sec. 34 I run South on a blank line bet. secs. 33 and 34: at 40.00 chs. a carefull search failed to locate any trace of the 1/4 sec. cor. At 81.75 chs the cor of secs 3-4-33 and 34 as before described bears W. 26 lks. Therefore I make a resurvey of this line as follows From the cor. of secs. 3-4-33 and 34 on S. bdy. of Tp. as heretofore described I run N. 0° 1' E. bet. secs. 33 and 34

0.50	Fence bears E. and W. — Leave road
	Ascending gradually
15.70	Dry wash in hollow 20 ft deep course S. 25° W
	Enter Mountainous land and steep ascent
31.90	Top of spur runs S. 25° W. 220 ft. above wash
	Descending in dense brush
38.50	Enter head of hollow drains N. 75° W. 120 ft deep
	Thence on W. slope to
40.87½	Set a porphyry stone 18 x 8 x 5 ins. 12 ins in the ground for 1/4 sec. cor. marked 1/4 on W face: raised a mound of stones 2 ft. base

Resurvey of subdivision lines T 3 S R 5 E

Chains	
	1½ ft. high W. of cor. Pits impracticable
	No trace of original cor. could be found though
	A careful search was made for any trace of it
42.00	Leave head of gulch and dense brush
	Ascending steep slope to
76.90	Top of ridge bears N 5° W and S. 5° E. 275 ft.
	above head of gulch
	Thence on E slope near top of ridge
81.75	Set a porphyry stone 18 x 10 x 6 ins. 12 ins.
	in the ground for the cor. of secs. 27-28-33 and
	34 marked with 1 notch on S. and 3 notches
	on E. edges: raised a mound of stones 2 ft.
	base 1½ ft. high W. of cor. Pits impracticable
	A trace of original cor. was found and identified
	Land mountainous
	Soil gravelly and rocky 2nd and 3rd rate
	No timber
	Mountainous land 81.75 chs. —
	September 22: At this cor. I set off 0° 28' N
	on the declare and at 11h 53m a m, I m I observe
	the sun on the meridian: the resulting lat.
	is 40° 31' N.
	September 22. 1901

September 25: In the regular execution of subdivision of this Tp. having run N. 89° 46' W. on a random line bet. secs. 21 and 28: and at 82.29 chs. find a trace of the original cor. of secs. 20-21-28 and 29 bearing S. 79 lks. being a mound of stones but no markings assessible: therefor in order to fully verify this cor. and properly close sec 28 I begin at above cor. of secs. 20-21-28 and 29 and run South on a blank line bet. secs 28 and 29: at 4000 chs. a careful search failed to find any trace of the 1/4 sec. cor. but at 80.80 chs. the cor. of secs. 28-29-32 and 33 bears E. 84 lks. the same being a hard red sandstone 9 x 7 x 5 ins. above ground properly marked but marks much defaced and indistinct I remark stone with 1 notch on S. and 4 notches on E edges and raised a mound of stones 2 ft.

Chains	base 1½ ft. high W. of cor. Pili impracticable.— With the data now at hand I can not close the boundaries of sec 28 within the prescribed limit, thus I run S.89°40' E on a blank line bet. secs. 28 and 33: at 40.20± I made careful search for the ¼ sec. cor. but found no trace of it: at 81.66 The cor. of secs. 27-28-33 and 34 bears N.1.46 Ch. dist. I therefore make the following resurveys.—
	I begin at the cor. of secs. 27-28-33 and 34 as heretofore described; thence I run S.89°18' W. bet. secs. 28 and 33
	Over mountainous land
	Ascending to
1.00	Top of ridge bears N. and S. Descend
19.12	Dry wash in bottom of gulch 190 ft. below ridge. course S.20° W. Ascend
40.53	The proportionate distance. Set porphyry stone 18 x 8 x 6 ins. 12 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.—Pili impracticable
43.00	Top of ridge bears N. and S. 120 ft. high Descend
58.95	Dry wash in hollow 90 ft. deep. course S.15° W. Ascending over rolling surface to
81.06	The cor. of secs. 28-29-32 and 33 as before described
	Land mountainous
	Soil gravel and rocky 3rd rate
	No timber
	Mountainous land 81.06 chs.
	September 26: At this cor. I set off 0°47' S on the deep. arc and at 11h 52m a.m. I m V observed the sun on the meridian: the resulting lat is 40°31' N.—
	N.0°30' E. bet. secs. 28 and 29
	Over mountainous land
	Ascending, along fence
15.00	Top of spur runs S.W. 80 ft. above cor.

Resurvey of Subdivision lines Tp. 3 S R 5 E

Chains	Descend
22.70	Dry wash in hollow 60 ft. deep course S.W.
	Ascend to
29.75	Top of ridge bears N.E. and S.W. 125 ft. high. Descend. — Fence turns W.
40.40	Proportionate distance Set a porphyry stone 17×9×5 in. 11 in. in the ground for 1/4 sec. cor. marked 1/4 on W. face; raised a mound of stones 2 ft. base 1½ ft. high W. of cor. — Pits impracticable. No trace of old cor. found
55.65	Dry wash in hollow 140 ft. below ridge drains S. 70° W.
	Begin gradual ascent on rolling slope
56.10	Dry wash 30 ft. deep course S.W.
67.60	Dry wash 25 ft. deep course S.W.
80.80	No other trace of original cor could be found I set a porphyry stone 18×9×7 in. 12 in in the ground for cor. of secs. 20-21-28 and 29 marked with 2 notches on S and 4 notches on E. edges; raised a mound of stones 2 ft. base 1½ ft. high W. of cor. Pits impracticable
	Land Mountainous
	Soil gravely and rocky 3rd rate
	No timber
	Mountainous land 80.80 chs. —
	September 25, 1901

September 25: Having in the regular execution of subdivision of this Tp. run N. 89°53' W. on a random line bet. secs. 17 and 20, 42.20 chs and failed to find the 1/4 sec. cor. bet. said secs. as described by the surveyor general I continue the survey West on a blank line, and at 82.22 chs. find the cor. of secs. 17-18-19 and 20 bearing S. 24 lks. dist. and which is a dark porphyry stone firmly set 8×7×6 in above ground but with markings partly scaled off; I re-mark stone with 3 notches on S. and 5 notches on E. edges; and raised a mound of stones 2 ft. base 1½ ft. high W. of cor. Pits impracticable

Thence I run on resurvey line

Resurvey of subdivision lines T. 3 S R. 5 E.

Chains	
	East bet. secs. 17 and 20
	Over mountainous land
	Ascending gradually over broken slope
2.00	Top of spur bears S. 60 ft. high. – Descend
7.65	Dry wash 50 ft. deep course S 20° W. – ascend
29.00	Top of spur runs S 20° W 140 ft above wash. – Descend
31.90	Dry wash in bottom of hollow 40 ft. deep course S 10° W
	Ascend
39.00	Top of spur bears S. 100 ft above wash. – Descend
40.00	Set a trachyte stone 24 × 10 × 7 ins. 18 ins. in the ground for 1/4 sec. cor. marked 1/4 on N. face: raised a mound of stones 2 ft. base 1½ ft. high N. of cor.
	Pits impracticable
	A careful search failed to disclose any trace of original cor. –
	Land Mountainous
	Soil gravelly and rocky 3rd rate
	No timber. –
	Oak, maple and sagebrush undergrowth –
	Mountainous land 40.00 chs. –

Being unable to close sec 20 within the prescribed limit with the data now at hand I run South on a blank line bet. secs. 19 and 20 and at 40.12 chs. intersect the 1/4 sec. cor. :– at 80.14 find trace of the cor. of secs. 19-20-29 and 30 which I identify and from whence I continue my line S. 89° 53' E. bet. secs. 20 and 29. – at 40.13 no trace of the old 1/4 sec. cor. could be found: at 80.06 the reestablished cor. of secs. 28 and 29 bears N. 16 lks.

I therefor make the following resurvey:

I begin at the reestablished cor of secs 28 and 29 as heretofore described

Thence I run

West bet. secs. 20 and 29

Over mountainous land

Descending gradually on rolling surface

5.75	Dry wash in hollow 30 ft. deep course S. W.
40.03	The proportionate distance. Set a porphyry stone 18 × 10 × 8 ins. 12 ins. in the ground for 1/4 sec. cor. marked 1/4 on N. face: raised a mound of stones 2 ft. base 1½

Resurvey of subdivision lines T 3 S R 5 E

Chains	
	ft high N. of cor. Pits impracticable.
	A diligent search failed to disclose any trace
	of original cor.
46.78	Canal 20 lks wide flows S. from Provo River to Weber
56.00	Dry wash in hollow 20 ft deep course S.W.
63.45	Fence bears S 20° E and N 20° W at foot of slope 330
	ft below sec. cor.
	Spring branch 5 lks. wide flows S.W. about 4 chs. below
	head of spring.—
	Enter County road
65.15	Fence from S.85° W. turns N. 20° W. Leave County road
67.00	Enter meadow.— Leave Mountainous land
	Ditch runs S.15° E, 3 lks wide
77.76	Fence bears N. and S.
80.06	The place of original cor. marked by a mound of
	stones and fully identified
63.45 / 16.61	Set a porphyry stone 17×8×6 ins. 11 ins in the
	ground for cor of secs. 19-20-29 and 30 marked
	with 2 notches on S and 5 notch on E edges:
	raised a mound of stones 2 ft. base 1½ ft. high N.
	of cor. Pits impracticable.—
	Land between foothills and river bottom
	Soil gravelly and rocky on slope: bottom land swampy
	No timber.—
	Thorn and sagebrush undergrowth on slope
	Mountainous land 63.45 chs.—

	North bet. secs. 19 and 20
	Over swampy meadow
4.35	Fence bears E and W.
9.75	Fence bears E. and W.
20.30	Fence bears E. and W.
21.85	Fence bears E. and W.
24.10	Fence bears S.E. and N.W. enter County road
26.00	Fence bears S.E. and N.W. leave County road
31.60	Ditch 4 lks wide flows S.25° E leave meadow
	Enter Mountainous land course N.W. and S.E.
	Ascend rolling slope
40.02	The original 1/4 sec. cor., being a brachyte stone 30×13
	×12 ins lying on top of ground and marked 1/4 on
	upper face: I reset stone 24 ins in the ground

chains marked 1/4 on W. face and raised a mound of stones 2 ft. base 1½ ft. high W. of cor. -
Pits impracticable
49.85 Ditch 4 chs wide flows S 30° W from Canal
57.82 Canal 20 chs. wide flows S. 60° E. from Provo River to Heber City
80.14 The cor. of secs. 17-18-19 and 20
This cor. stands 300 ft. above bottom of slope
Land mountainous slope, and river bottom
Soil swampy, and gravelly wash
No timber:
Thorn and sagebrush undergrowth on slope
Mountainous land 48.57 chs.
September 28, 1901

September 29: Having in the regular order of subdivision of this Tp. identified and reestablished cor. of secs. 5-6-7 and 8, to verify the position of said cor and make proper closing of secs. 8 and 17 I run South on a blank line bet. secs. 7 and 8, at 40.00 chs a careful search failed to disclose any trace of the 1/4 sec. corn.; at 80.00 chs. the cor. of secs. 7-8-17 and 18 bears E. 23 lks.; from whence I continue my line as before — South bet. secs. 17 and 18: at 40.00 chs a diligent search failed to disclose the 1/4 sec. cor. at 80.00 chs the cor of secs. 17-18-19 and 20 bears E. 12 lks. —
The 1/4 sec. cor not being found on the course differing slightly from the one given in the original survey I make the following resurvey I begin at the cor of secs. 17-18-19 and 20 as heretofore described
Thence I run
N. 0° 5' W. bet. secs. 17 and 18
Over mountainous land
Ascending
8.00 Top of spur runs S. 20° W. 90 ft above cor. - Descend
34.50 Dry wash in hollow 160 ft deep course S. 25° W.
Ascend
40.00 Set a burlsbury stone 18 x 9 x 7 ins. 12 ins. in the ground for 1/4 sec. cor. marked 1/4 on W. face

Resurvey of Subdivision lines of T 35 R 5 E.

chains raised a mound of stones 2 ft. base 1½ ft. high
W. of cor. Pits impracticable
69,00 Top of spur runs S.W. 370 ft. above hollow
Descend gradually on w. slope
80,00 The cor of secs. 7-8-17 and 18 as heretofore
described. -
Land mountainous
Soil gravelly wash and bowlders 3rd rate
No timber. -
Dense oak and thorn undergrowth -
Mountainous land 80,00 chs. -
September 29, 1904.

September 30: at 7h 45m a.m. I set off 40° 34' N. on the lat. arc 2° 37' S. on the decl. arc and determine a true meridian with the solar at the cor. of secs. 7-8-17 and 18 Thence I run N. 0° 10' W. bet. secs. 7 and 8.
Over mountainous land
Following fence line. — Ascending
8,00 Top of spur runs W. 80 ft. above cor. Descend
13,50 Ravine 60 ft. deep drains W. - ascending
22,80 Top of spur runs W. 90 ft. above ravine. - Descend
25,95 Ravine drains W. 40 ft. deep. - ascending
37,00 Top of spur runs W. 110 ft. high. - Descend
40,00 Set a porphyry stone 18 x 9 x 6 ins. 12 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
No trace of old cor. could be found
64,30 Bottom of ravine drains S 65° W. 100 ft. below spur
Ascending abruptly to
80,00 The cor of secs. 5-6-7 and 8 as heretofore described
Land mountainous
Soil gravelly wash and bowlders 3rd rate
No timber. -
Dense oak, maple and thorn-undergrowth.
Mountainous land 80,00 chs. -

Being unable to make proper closing of secs. 5 with data now at hand I run N 0° 14' W on a blank

chains	
	relocatement line bet. secs. 5 and 6; at 40.00 chs a diligent search failed to disclose any trace of the 1/4 sec cor.; at 83.60 chs Intersect the N. bdy. of Tp. 4 N. Rge. E. of cor of secs. 5-6-31 and 32 as heretofore described and I therefore make the following resurvey
	I begin at the cor. of secs. 5-6-31 and 32 on N bdy. of Tp. –
	Thence I run
	S. 0° 31' E bet secs. 5 and 6
	Over mountainous land
	Ascending in dense underbrush
25.90	Top of spur runs N. 70° E 270 ft. above cor.
	Descend
36.10	Bottom of draw draining N.E. - 110 ft. below spur
	Ascending
41.45	The proportionate distance - det. to trachyte stone 18 x 10 x 6 in. 12 in. in the ground for true cor. marked 1/4 on N. face; raised a mound of stones 2 ft. base 1½ ft. high N. of cor.
	Pits impracticable
	No trace of old cor. could be found
48.60	Top of ridge runs N. W. and S.E. 200 ft. above draw. – Descend
59.60	Head of hollow running W. 140 ft. below ridge
	Ascending
61.95	Fence from S. turns W. – Thence along fence
67.50	Top of spur runs W. 90 ft above bottom
	Descend
83.60	The cor. of secs. 5-6-7 and 8
	This cor stands 120 ft. below top of spur
	Land Mountainous
	Soil gravelly and rocky 3rd rate
	No timber
	Dense aspen maple and thorn undergrowth
	Mountainous land 83.60 chs. –
	Note: For list of instrument see the following book being notes of W. bdy Tp 3 S. R 4 E.
	September 30. 1901.

General Description

For general description see field notes of subdivision of this Tp. Book "F"

Andrew P. Hanson
U.S. Deputy Surveyor

Volume
#
R0292

BLANK

PAGE

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

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

..... *Chainman.*

..... *Chainman.*

..... *Moundman.*

..... *Moundman.*

..... *Axman.*

..... *Axman.*

..... *Flagman.*

FINAL OATH OF ASSISTANTS.

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

..... *Chainman.*

..... *Chainman.*

..... *Moundman.*

..... *Moundman.*

..... *Axman.*

..... *Axman.*

..... *Flagman.*

.....

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

SEAL

6—151

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, ..., United States Deputy Surveyo
solemnly swear that, in pursuance of a contract received from .....
United States Surveyor General for ....., bearing date o
..... 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 o
United States, surveyed all those parts or portions of .....
.....
.....
.....
..... of the .....
..... meridian, in the ..... of ....., which are represented i
foregoing field notes as having been surveyed by me, and under my direction; and I do further sole
swear that all the corners of said survey have been established and perpetuated in strict accordance
the Manual of Surveying Instructions, and the special written instructions of the United States Surv
General for ..... and in the specific manner described in the field notes, and
the foregoing are the original field notes of such survey; and should any fraud be detected, I will
the penalty of perjury under the provisions of an Act of Congress approved August 8, 1846.

For final offr. [illegible] Cont. [illegible]

.....
United States Deputy Surv

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

SEAL

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, June 9, 1903, 1

The foregoing field notes of the re survey of the subdivisional lines of Township 3 South Range 5 East of the Salt Lake Base & Meridian, Utah

executed by Andrew P. Hanson
under his contract No. 244, dated April 1901, 189 , having
critically examined, and the necessary corrections and explanations made, the said field notes, an
surveys they describe, are hereby approved.

Edward H. Anderson
United States Surveyor Ge

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

.....
United States Surveyor Ge

6—151

BLANK

PAGE

BLANK

PAGE

4—679.

H. ✓

BOOK A-292

FIELD NOTES

OF THE SURVEY OF THE

West Boundary

of

Township No. 3 South Range No. 4 East

Of the Salt Lake Base and Meridian,

Utah

AS SURVEYED BY

Andrew P. Hanson, United States Deputy Surveyor,

Under his Contract No. 244, dated April 12, 1901

Survey commenced September 30, 1901

Survey completed October 2, 1901

6—151

m. chs lks —
high 5 - 73 - 67.
Closings — 15 - 96.

NAMES AND DUTIES OF ASSISTANTS.

D F Clark --- Chainman

B R Lawrence --- "

D F Clark --- Mountman

Alfred Carlson -- Mountman

B R Lawrence --- Axman

Thos Lawrence Jr. "

Alfred Carlson -- Flagman

In preliminary affidavits see book "A" 735 R.C.E.

BOOK A-292

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 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

.....

..... *Chainma*

..... *Chainma*

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 establishme
of corners, according to the instructions given us, to the best of our skill and ability, in the survey

.....

..... *Moundma*

..... *Moundma*

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

.....

..... *Axma*

..... *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

.....

6—151

West boundary of T 3 S R 4 E

Chains

Survey commenced September 30 1901 and executed with a Gurley light mountain transit with solar attachment: The horizontal limb is provided with two double verniers placed opposite to each other reading to single minutes of arc which is also the least count of the verniers of the latitude and declination arcs. The instrument was examined, tested on the true meridian at Salt Lake found correct and was approved by the surveyor general for Utah April 13. 1901: –

I examined the adjustments of the transit and correct the level and collimation errors: then to test the solar apparatus by comparing its indications resulting from solar observations made during a m and p m hours with a true meridian determined by observations on Polaris I proceed as follows

September 30: At my permanent camp near the centre of sec. 21 T 3 S. R 4 E. latitude 40° 32' 30" N. longitude 111° 31' W. at 4h 40m p.m. 2 m.t. I set off 40° 32' 30" N. on the lat. arc 2° 46' S on the decl. arc and determine with the solar a true meridian, marking a point thereof on a stone firmly set in the ground 5 chs. N. of my station. –

At 6h 52m p.m. 2 m.t. I observe Polaris at eastern elongation in accordance with Manual of Instructions and mark a point in the line thus determined on a plug driven in the ground 5 chs. N. of the instrument. –

September 30, 1901

October 1: at 7h 10m a m, 1 m.t. I set off the azimuth of Polaris 1° 36' to the west and mark the true meridian thus determined on the stone set Sep. 30. on which the true meridian falls 1. ins. E. of the mark determined by the solar. –

At 7h 45m a m, 1 m.t. I set off 40° 32' 30" N. on the lat. arc 3° 2' S. on the decl arc and

Chains mark a point in the true meridian determined by the solar on the stone already set 5 chs. N of my station: this mark falls. 1.1 ins. E. of the true meridian established by the Polaris observation.-
The solar apparatus by p.m. and a.m. observations defines positions for true meridians respectively about 1' east and west of the meridian established by Polaris observation therefor I conclude the adjustments of the instrument are satisfactory.—
The magnetic bearing of the true meridian at 8¼ a.m. is 16°20' W. the angle thus determined reduced by the table page 100, gives mean annual decl. 16°17' E.

I begin at the cor. of Tps. 3 and 4 S. Rs 3 and 4 E. Which I found to be a sandstone 11×7×4 ins set 3 ins in the ground properly marked but badly disintegrated and I therefor in its place I set a hard sandstone 18×9×8 ins. 12 ins. in the ground for cor. of Tps. 3 and 4 S. Rs 3 and 4 E marked with 6 notches on each edge from which a balsam tree 14 ins. diam. bears N. 75° 0' W. 114 lks. dist. marked T 3 S R 3 E S 36 13. T.
No other trees within limit
Raised a mound of stones 2 ft. base 1½ ft high S. of cor. Pits impracticable
Of the original bearing trees only the blackened stumps remained but they were all identified by course and distance from the cor.-
From the cor above described I run North on a random line along W bdy of Tp. 3 S. R 4 E setting temps ¼ cc and cc cors. at intervals of 40.00 chs. and at 473.67 chs. intersect the S. bdy. of Tp 2 S R 4 E. at N. 87°45' E 15.96 chs. from the closing cor. of Tps. 2 and 3 S R. 4 E which is mark (X) on a stationary block of granite rock marked and witnessed as described by the surveyor general.-

West boundary of T 3 S R 4 E

chains	
	I set a granite stone 18×12×8 ins. 12 ins. in the ground for closing cor of Tp 3 S. Rs 3 and 4 E marked CC 3 S on S 3 E on W and 4 E on E faces with 6 grooves on S. E and W. faces; raised a mound of stones 2 ft. base 1½ ft. high S. of cor. Pits impracticable
	Thence I run
	South bet. secs. 1 and 6
	Over mountainous land
1.00	Begin abrupt descent on S slope
7.17	Enter head of gulch draining E. and huge boulders 200 ft. below cor.
18.67	Leave bottom of gulch course E. and begin abrupt ascent.— Enter fine timber
31.90	Top of spur. ridge running E. from Clayton Peak 200 ft. above gulch.—
	Descending abruptly.— Leave timber
33.67	Set a granite stone 18×10×5 ins 12 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
54.65	Descent becomes gradual course E. and W.
64.85	Stream 5 lks. wide flows S. 65° E. in bottom of spur gulch 600 ft. below top of spur
	Ascending to
68.65	Top of spur 50 ft. high runs S. 70° E — Descend
73.67	Set a limestone 18×8×7 ins. 12 ins. in the ground for cor of secs. 1-6-7 and 12 marked with 1 notch on N. and 5 notches on S edges: raised a mound of stones 2 ft. base 1½ ft. high W. of cor.—Pits impracticable
	This cor. stands in bottom of draw 50 ft. deep course E.—X
	Land Mountainous
	Soil rocky and gravelly 3rd and 4th rate
	Timber pine of good quality and some aspen
	Aspen and thorn brake.—
	Mountainous land 73.67 chs.—
	October 1. 1901

October 2: at 7h 47m a.m, I set off 40°35' N.

chains	
	on the lat. are 3°26' S. on the decl. are and determine a true meridian with the solar at the cor. of secs. 1-6-7 and 12
	Thence I run
	South bet. secs. 7 and 12
	Over mountainous land
	Ascending on N.E. slope on dense underbrush and scattering timber
7.50	Top of spur runs E. 90 ft. above cor. —
	Thence on S.E. slope, descending
40.00	Set a limestone 18×10×4 ins. 12 ins. in the ground for 1/4 sec. cor. marked 1/4 on W. face; raised a mound of stones 2 ft. base 1½ ft. high W. of cor.
	Pits impracticable. —
	Descent becomes abrupt
62.50	Snake Creek Canon Road bears E. and W.
65.55	Snake Creek 15 lks. wide rapid current flows E. in narrow rocky canon 900 ft. below spur. —
	Begin abrupt ascent
71.00	Top of spur runs S. 75° E. 215 ft. above creek. —
	Descend gradually
79.04	Bottom of draw course E. 75 ft. below spur. —
	Ascend to
80.00	Set a limestone 17×9×6 ins. 11 ins. in the ground for cor. of secs. 7-12-13 and 18 marked with 2 notches on N. and 4 notches on S. edges from which a pine tree 18 ins. diam. bears N. 82° 44' W. 13.2 lks. dist. marked T. 3 S. R. 3 E. S 12 B.T.
	No other bearing objects within limit. —
	Raised a mound of stones 2 ft. base 1½ ft. high W. of cor. — Pits impracticable
	Land Mountainous
	Soil gravelly and rocky 3rd rate
	Timber pine and aspen scattering
	Dense aspen maple and oak underbrush
	Mountainous land 80.00 chs. —
	South bet. secs. 13 and 18
	Over mountainous land
	Ascending to
.20	Top of spur runs S. 75° E. — Descend

West boundary of T. 3 S. R 4 E

Chains	
3.00	Stream 5 lks. wide flows S. 80° E. in narrow ravine 90 ft. below spur. — Ascending
	Enter timber course E and W.
32.35	Wood road bears E. and W.
35.00	Top of spur runs E. 210 ft. above stream
	Descending gradually
40.00	Set a quartzite stone 18 × 7 × 6 ins. 12 ins. in the ground for 1/4 sec. cor. marked 1/4 on W. face from which
	An aspen tree 6 ins. diam. bears S 75° 40' W. 2 lks dist. marked 1/4 S 13 B.T.
	An aspen tree 6 ins. diam. bears N 75° 10' E 16 lks. dist. marked 1/4 S 18 B.T.
44.00	Head of hollow 75 ft. deep, drains E. — Ascending
66.00	Ascent becomes gradual and broken
80.00	Set a porphyry stone 18 × 8 × 6 ins. 12 ins. in the ground for cor. of secs. 13-18-19 and 24 marked with 3 notches on N. and S. edges from whence
	An aspen tree 6 ins. diam. bears S 79° 40' W. 18 lks. dist. marked T. 3 S. R 3 E S. 24 B.T.
	An aspen tree 5 ins. diam. bears N. 77° 42' W 10 lks. dist. marked T. 3 S. R. 3 E. S. 13 B.T.
	An aspen tree 4 ins. diam. bears S 17° 50' E 25 lks. dist. marked T. 3 S. R 4 E. S 19 B.T.
	An aspen tree 5 ins. diam. bears N 44° 11' E 31 lks. dist. marked T. 3 S. R. 4 E. S. 18 B.T.
	This cor. stands 700 ft. above hollow
	Land mountainous
	Soil gravely and rocky 3rd rate
	Timber aspen of dense growth, and small size
	Mountainous land 80.00 chs. —
	October 2: at this cor. I set off 3° 31' S on the decl. arc and at 11h 50m a.m. ? mt. observe the sun on the meridian: the resulting lat. is 40° 33' N.
	South bet. secs. 19 and 24
	Over mountainous land
	Ascending gradually
.30	Top of ridge bears N 80° W and S. 80° E. Descend
27.80	Head of gulch drains S. 70° E. 300 ft. below ridge
	Ascend

West boundary of T 3 S R 4 E

Chains

2600 Top of spur runs E 100 ft. high. Descend

4000 Set a porphyry stone 16 x 9 x 9 ins. 11 ins. in the ground for 1/4 sec. cor. marked 1/4 on W. face. from which

An aspen tree 4 ins. diam. bears N. 65° 10' E. 20 lks. dist. marked 1/4 S 19 B.T.

An aspen tree 5 ins. diam. bears N 10° 44' W. 15 lks. dist. marked 1/4 S. 24 B.T.

4300 Head of gulch drains E 100 ft. below spur

Ascending

6600 Top divide between Snake Creek and Deer Creek course N.W. and S.E. 400 ft. above gulch

Begin gradual descent

8000 Set a sandstone 18 x 9 x 6 ins. 12 ins. in the ground for cor. of secs. 19-24-25 and 30 marked with 4 notches on N. and 2 notches on S. edges from which

An aspen tree 10 ins. diam. bears S 20° 4' W. 28 lks. dist. marked T. 3 S. R. 3 E. S. 25 B.T.

An aspen tree 5 ins. diam. bears N. 33° 40' W. 60 lks. dist. marked T 3 S R 3 E S 24 B.T.

An aspen tree 6 ins. diam. bears N 11° 16' E. 38 lks. dist. marked T. 3 S. R. 4 E S 19 B.T.

An aspen tree 5 ins. diam. bears S 70° 30' E. 24 lks. dist. marked T. 3 S. R. 4 E. S. 30 B.T.

This cor. stands 80 ft. below top of divide

Land Mountainous.—

Soil gravelly wash and bowlders 3rd rate

Timber aspen large and small, dense growth

Mountainous land 8000 chs.—

Scale bet. secs. 25 and 30

Over mountainous land

Ascending in timber

8400 Dry wash in hollow 225 ft. below cor. course S.W.

Ascending gradually.—Leave timber course N.E. and S.W.

8000 Set a porphyry stone 18 x 10 x 8 ins. 12 ins. in the ground for 1/4 sec. cor. marked 1/4 on W. face; raised a mound of stones 2 ft. base 1½ ft. high W. of cor.

Pits impracticable

West boundary T.3S.R.4E.

Chains	This cor. stands on top of a spur 50 ft. above wash course S.55° W.
	Descending
65.95	Stream 5 lks. wide in bottom of narrow gulch 200 ft. below spur, course S.E. ascending
	Enter timber course E and W.
69.50	Top of ridge bears N.W. and S.E. 75 ft. above stream. — Begin gradual descent
80.00	Set a sandstone 18×10×8 ins. 12 ins. in the ground for cor. of secs. 25-30-31 and 36 marked with 5 notches on N. and 1 notch on S. edges:
	from which
	An aspen tree 8 ins. diam. bears S.42°20' W. 7 lks. dist. marked T.3S.R.3E.S.36 B.T.
	An aspen tree 7 ins. diam. bears N.10°20' E. 15 lks. dist. marked T3SR4E.S30 B.T.
	An aspen tree 6 ins. diam. bears S.64°61' E 6 lks. dist. marked T3SR4E.S31 B.T.
	An aspen tree 6 ins. diam. bears N 64°45' W 7 lks. dist. marked T3SR3E S26 B.T.
	Land Mountainous
	Soil gravelly wash and bowlders 3rd rate
	Timber aspen, all sizes and denser growth and a few pine scattering. —
	Mountainous land 80.00 chs. —
	October 2. 1901

October 3: At 7h 31m a.m. I set off 40°31' N on the lat. arc 3°48' S. on the decl. arc and determine a true meridian with the solar at the cor. of secs. 25-30-31 and 36, Thence I run South bet. secs. 31 and 36

	Over mountainous land
	Descending, in timber
7.70	Deer Creek 14 lks wide rapid current pure water flows S.E. in narrow gulch 115 ft. below cor.
	Ascending
15.50	Top of ridge bears N.W. and S.E. 100 ft. high
	Descending gradually to
24.00	Bottom of hollow drains S.E. 60 ft. deep. — Ascend
31.50	Top of spur runs S.E. 90 ft. high. — Descend

West boundary of T3S R4E

Chains	
37.40	Dry wash in narrow ravine 110 ft. deep. - Ascend
40.00	An ashen tree 7 ins. diam. for 1/4 sec cor O mark 1/4 S.36 on W side, 31 on E side from which
	An ashen tree 6 ins. diam bears S.28°35'E. 8 lks. dist. marked 1/4 S 31 B.T.
	An ashen tree 6 ins. diam. bears N 67°23' W. 43 lks. dist. marked 1/4 S 36 B.T.
50.40	Top of spur runs E. 190 ft. above ravine. - Descend
57.00	Hollow 50 ft. deep drains E. - ascending
69.70	Top of spur runs E 135 ft. high. - Descending
73.30	Bottom of hollow drains E. 60 ft. deep. - Ascending
80.00	The cor. of Sec. 3 and 4 S Rs 3 and 4 E
	This cor. stands 70 ft. above hollow
	Land Mountainous
	Soil gravelly wash 3rd rate
	Timber ashen of all sizes and dense growth and a few pine scattering.
	Mountainous land 80.00 chs.—
	October 3, 1901

Boundaries of T. 3 S. R. 4 E.

Latitudes, Departures and closing errors

line designated		True bearing	Distance	Latitude N.	Latitude S. chs	Departure	Departure W. chs
West bdy.		South	473.67		473.67		
South	"	S 89° 4' E	41.02		.67	41.02	
"	"	N 89° 3' E	38.34	.64		38.34	
"	"	S 88° 21' E	161.35		4.64	161.30	
"	"	East	240.00			240.00	
1st Guide Mer.		N. 0° 3' W.	404.36	404.36			.21
" "	"	N 0° 5' W.	81.30	81.30			.12
North bdy.		West	39.40				39.40
"	"	S. 87° 29' W.	39.80		1.75		39.76
"	"	West	155.26				155.26
"	"	S 87° 53' W.	81.52		3.01		81.46
"	"	S 89° 0' W.	81.26		1.41		81.25
"	"	S 87° 45' W	82.54		3.24		82.48
Convergency							0.62
Totals				486.30	488.39	480.66	480.56
					486.30	480.56	
Errors in Lat. and Dep.					2.09	0.10	

West boundary of T. 3 S. R. 4 E.

The unsurveyed part of this township is all mountainous land very rough and broken and not suited for cultivation but all of it is excellent pasture land and the soil is mostly very fertile. The township should be subdivided. —

Andrew P. Hanson
U.S. Dep. Surveyor

Volume
#
R0292

BLANK

PAGE

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by Andrew P Stanson, 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 E. and W. bdys. Tp. 3 S R 6 E and W. bdy of Tp. 3 S R 4 E.

showing the respective capacities in which they acted:

D F Clark, Chainman.
B R Lawrence, Chainman.
D F Clark, Moundman.
Alfred Carlson, Moundman.
B R Lawrence, Axman.
Thos Lawrence Jr., Axman.
Alfred Carlson, Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted Andrew P Stanson, United States Deputy Surveyor, in surveying all those parts or portions of the E. and W. bdys. of Tp. 3 S R 6 E and W. bdy. of Tp. 3 S. R 4 E of the Salt Lake Base and meridian, State of Utah, which are represented in the foregoing field notes as having been surveyed by him and under his direction; and that said survey has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the corner monuments established, according to the instructions furnished by the United States Surveyor General for Utah

D F Clark, Chainman.
B. R. Lawrence, Chainman.
D F Clark, Moundman.
Alfred Carlson, Moundman.
B. R. Lawrence, Axman.
Thos. Lawrence Jr., Axman.
Alfred Carlson, Flagman.

Subscribed and sworn to before me this 19th day of October, ~~189~~ 1901

SEAL

Sam Raney
Notary Public

6—151

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, ..., United States Deputy Surve
solemnly swear that, in pursuance of a contract received from .....
United States Surveyor General for ....., bearing date
..... day of ....., 189 , I have well, faithfully, and truly, in
proper person, and in strict conformity with the instructions furnished by the United States Su
General for ....., the Manual of Surveying Instructions, and the laws
United States, surveyed all those parts or portions of .....
.....
.....
.....
..... of the .....
..... meridian, in the ..... of ....., which are represented
foregoing field notes as having been surveyed by me, and under my direction; and I do further so
swear that all the corners of said survey have been established and perpetuated in strict accordan
the Manual of Surveying Instructions, and the special written instructions of the United States Su
General for ..... and in the specific manner described in the field notes, a
the foregoing are the original field notes of such survey; and should any fraud be detected, I wil
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, June 9, 1903.

The foregoing field notes of the survey of the West Boundary of Township 3 South, Range 5 East of the Salt Lake Base & Meridian, Utah

executed by Andrew C. Hanson
under his contract No. 244, dated April 12, 1901, 189 , havin
critically examined, and the necessary corrections and explanations made, the said field notes, a
surveys they describe, are hereby approved.

Edward H. 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 of

United States Surveyor Ge

6—151

BLANK

PAGE

BLANK

PAGE

4—679.

I

BOOK A-292

FIELD NOTES

OF THE Re SURVEY OF THE

Subdivision Lines

of

Township No 3 South Range No 4 East

Of the Salt Lake Base and Meridian,

Utah

AS SURVEYED BY

Andrew P. Hanson, United States Deputy Surveyor,

Under his Contract No. 244, dated April 12, 1901

Survey commenced October 3, 1901

Survey completed October 8, 1901

6—151

Resurvey Subs - high 6-30-29
" " low 1-51-55
Retracements "

NAMES AND DUTIES OF ASSISTANTS.

D F Clark - - - - Chainman

B R Lawrence - - - "

D F Clark - - - Moundman

Alfred Carlson - - - "

B R Lawrence - - Axman

Thos Lawrence Jr - - "

Alfred Carlson - - Flagman

In preliminary affidavits see Cont. "D" Jr. 3 S. R. C. E.

6—151

BOOK A-292

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 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 .....

..... , *Chainme*

..... , *Chainme*

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 establishme of corners, according to the instructions given us, to the best of our skill and ability, in the survey .....

..... *Moundme*

..... *Moundme*

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 .....

..... *Axmen*

..... *Axmen*

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

SEAL

I, ... , 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 th survey of .....

..... , *Flagman*

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

SEAL

Resurvey subdivision of T 3 S R 4 E.

Chains

Survey commenced October 3. 1901 and executed with a Gurley light mountain transit with solar attachment. The horizontal limb is provided with two double veniers placed opposite to each other reading to single minutes of arc which is also the least count of the vernier of the latitude and declination arcs. –
The instrument was examined tested on the true meridian at Salt Lake, found correct and was approved by the surveyor general for Utah April 13. 1901. –
Note: having this day I set the adjustments of the instrument on a true meridian established by Polaris observations and found them satisfactory as fully described in field notes of subdivisions of this Tp. Book I reference to which is hereby made I consider it unnecessary to repeat description of test here. –

In the regular execution of subdivision of this Tp. being unable to find or gain any knowledge of cor. of secs 13-14-23 and 24 from which to commence my survey I go to the cor. of secs. 23-24-25 and 26 and from said cor run north on a blank replacement line bet. secs. 23 and 24: at 40.00 chs. a carefull search failed to reveal any trace of the 1/4 sec cor: at 80.00 again a carefull search was made for the cor. of secs. 13-14-23 and 24 but no trace of it could be found and setting a temp. cor. for secs. 13-14-23 and 24 I continue on a blank line bet. bet. secs. 13 and 24: at 39.94 chs. a carefull search failed to reveal any trace of the 1/4 sec. cor at 80.46 chs I intersect the First Guide Meridian East 50 lks. S. of the cor. of secs. 13-18-19 and 24 I therefor made the following resurveys. –
I begin at the cor. of secs. 23-24-25 and 26

Resurvey subdivision of T 3 S R 4 E

Chains	
	which is a stone firmly set marked and witnessed as described by the surveyor general
	Thence I run
	North bet. secs. 23 and 24
	In dense [illegible]
3,80	Road to canal bears S10°E and N10°W.
5,04	Canal from N. turns S.10°W.
	Thence along E. bank of canal
10,00	Bottom of gulch from N10°E turns S.10°E
	Begin ascent on gradual slope
12,90	Canal 16 ft. wide course S10°W.
31,60	Bottom of same gulch and dry wash course S15°E
39,00	Leave dense undergrowth
40,00	Set a limestone 18×12×10 ins. 12 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
	No trace of old ¼ sec. cor. could be found
40,50	Road to field bears S10°W and N.
43,52	S.W. cor. of fence course N.10°E and E.
	Leave road course N.10°E
49,03	Stone fence bears N30°W. and S.50°E.
52,90	Enter cultivated field course N.W. and S.E.
62,00	Leave " " " " " "
70,58	Fence bears E and W.
70,70	Fence bears N20°E and S.20°W.
	Enter very rank oak brush, dense undergrowth
80,00	Set a limestone 18×10×8 ins. 12 ins. in the ground for cor. of secs. 13-14-23 and 24 marked with 3 notches on S. and 1 notch on E. edges: raised a mound of stones 2 ft. base 1½ ft. high W. of cor. Pits impracticable
	A [illegible] failed to reveal any trace of original cor.
	Land low broken foothills
	Soil gravelly wash and bowlders 2nd rate
	Timber, scattering cottonwoods along gulch
	Dense undergrowth of oak and maple
	Dense undergrowth 48,30 chs. —
	Having previously retraced line bet. secs. 13

Resurvey subdivision of T 3 S R 4 E

Chains	and 24 I run
	N. 89° 39' E. on a true line bet. secs. 13 and 24
	Over mountainous land
	Descending in dense oak brush
3.76	Fence bears N. 20° E and S. 20° W. — fence turns E about 1 chs. N. of line
12.70	Bottom of hollow course S 20° W. 60 ft. below cor.
	Ascending: leave oak brush
19.10	Fence runs N. and S
25.00	Top of ridge 110 ft. high course N. and S.
40.23	Set a sandstone 18 x 8 x 6 ins. 12 ins. in the ground for 1/4 sec. cor. marked 1/4 on N. face raised a mound of stones 2 ft. base 1½ ft. high N. of cor. Pits impracticable
45.35	Hollow drains S. 20° E 175 ft. below top of ridge
	Ascend
50.00	Top of spur runs S. 50 ft. high. — Descend
59.80	Canal 16 lks wide course S 20° W.
60.40	County road bears N. 20° E. and E. 20° W.
60.55	Fence runs parallel with road
61.20	Enter Provo River bottom lands course N. 20° E and S. 20° W. — and dense brush and timber
	Leave mountainous land
	Enter dense undergrowth —
71.85	Fence bears N 25° W and S. 25° E
72.00	Ditch 4 lks wide course S
80.46	Intersect First Guide meridian East at cor. of secs. 13-18-19 and 24 which is a stone firmly set marked and witnessed as described by the surveyor general. —
	Land mountainous and level bottom
	Soil gravely and aluvial wash 2nd and 1st rate
	Timber cottonwood scattering
	Dense Oak maple and thorn underbrush
	Mountainous land and dense undergrowth —
	80.46 chs. —
	October 3. At this cor. I set off 3° 54' S on the decl. arc and at 11h 49m a.m., l.m.t. observe the sun on the meridian the resulting lat. is 40° 33' N. —

Resurvey Subdivision of T. 3 S. R. 4 E.

Chains	
	In the regular execution of subdividing this Tp. having failed to find any trace of the 1/4 sec. cor. bet. secs. 12 and 13 I make the following resurvey. —
	I begin at the cor. of secs. 7-12-13 and 18 on E. bdy. of T. 3 S. R. 4 E. which is a stone firmly set marked and witnessed as described by the Surveyor General —
	Thence O. run
	West: bet. secs. 12 and 13
	Over heavily timbered land and dense undergrowth
	River bottom
21,00	Fence bears N. and S. at foot of mountain
	Leave Heavily timbered land and dense undergrowth
	Enter Mountainous land, and ascend
23,00	Enter dense oak brush course N. and S.
40,00	Set a limestone 17 x 9 x 6 in. 11 in. in the ground for 1/4 sec cor. marked 1/4 on N. face raised a mound of stones 2 ft. base 1½ ft. high N. of cor. Pits impracticable
	A diligent search failed to reveal any trace of old cor. —
	Land level bottom and mountainous
	Soil alluvial and gravely wash, 2nd and 3rd rate —
	Timber cottonwood — Maple and thorn
	undergrowth —
	Mountainous and heavily timbered land, and dense undergrowth 40.00 chs. —
	October 3, 1901
	October 4. In the regular execution of subdivision of this Tp. being unable to gain any knowledge of cor. of secs. 14-15-22 and 23 I go to the cor. of secs. 13-14-23 and 24 and run S 89° 45' W. on a blank retracement line bet. secs. 14 and 23: at 40.11 chs. a carefull search failed to reveal any trace of the old 1/4 sec cor.: at 80.22 chs. again a diligent search failed to reveal any trace of the cor.

of secs. 14-15-22 and 23 and I therefor set [illegible] cor. of secs. 14-15-22 and 23 and continue on a blank line South bet. secs. 22 and 23; at 40.00 chs no trace of the 1/4 sec. cor. could be found and at 79.82 chs. the cor. of secs. 22-23-26 and 27 bears E. 15 lks. dist.

I therefor make the following resurveys

I begin at the cor. of secs. 22-23-26 and 27 which is a stone firmly set marked and witnessed as described by the surveyor general

Thence I run

North bet. secs. 22 and 23

Ascending gradually on bench land, cultivated

0,35 Ditch 4 lks wide course E.

29,55 Fence bears E. and W.

30,00 Ditch drains E

31,50 Enter mountainous land course E and W

Begin ascent

40,00 Set a quartzite stone 17 x 7 x 6 ins. 11 ins in the ground for 1/4 sec. cor. marked 1/4 on W. face: raised a mound of stones 2 ft. base 1½ ft. high W. of cor. Pits impracticable

A diligent search failed to disclose any trace of the old cor.

63,75 Top of ridge bears E. and W. 360 ft. high

Descend

80,00 Set a quartzite stone 18 x 11 x 5 ins. 12 ins in the ground for cor. of secs. 14-15-22 and 23 marked with 3 notches on S. and 2 notches on E. edges: raised a mound of stones 2 ft. base 1½ ft. high W. of cor. Pits impracticable

4850
31.50

A diligent search failed to disclose any trace of old cor.

Land sloping bench and mountainous

Soil alluvial and gravelly wash 2nd and 3rd rate

No timber. - Dense Oak brush on N. half

Mountainous land 48.50 chs. -

October 4 1907

Chains	
	October 5. at 7h 27m a.m. 1 m.t. I set off 40°33' N. on the lat. arc 4°35'0" S. on the decl. arc and determine a true meridian with the solar at the cor. of secs. 14-15-22 and 23. Thence Having previously run a blank line bet. secs 14 and 23 I run N. 89°53' E. on true line bet. secs. 14 and 23 Over mountainous land Descending in dense oak brush
10.90	Dry wash in bottom of gulch 90 ft. below cor. course S.E. Ascend
35.10	Top of round hill 175 ft. above wash Descend
40.03½	Set a quartzite stone 18×8×5 ins. 12 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 A diligent search failed to disclose any trace of old cor.
57.55	Fence bears N. and S.
61.10	Fence bears N. and S.
61.65	Road to mountains bears N. and S.
62.20	Dry wash in bottom of hollow course S. 150 ft. below hill - ascend
65.00	Top of low spur runs S. - Descend
71.80	Dry wash in bottom of gulch 60 ft. deep course S. - ascend
76.55	Top of spur runs S. 15° W. 70 ft. high - Descend
80.07	The cor. of secs. 13-14-23 and 24 Land mountainous Soil gravely wash and bowlders 3rd rate No timber - dense oak brush Mountainous land 80.07 chs.
	October 5. 1901

October 6. In the regular execution of subdivision of this Tp. having been unable to gain any knowledge of secs. 15-16-21 and 22 I go to the cor. of secs. 14-15-22 and 23 and run S. 89°50' W on a blank retracement line bet. secs. 15 and 22. at 39.88 chs. no trace of the old ¼ cor. could be

Chains.	
	found; at 79.76 chs no trace of cor. of secs. 15-16-21 and 22 could be found and setting a temp. cor. for cor. of secs. 15-16-21 and 22 I continue on a blank line as before, south bet. secs. 21 and 22: at 41.65 chs. the ¼ sec. cor. bears W. 1.70 chs. and I therefor make the following resurveys.
	I begin at the ¼ sec cor. bet. secs. 21 and 22 which is a stone firmly set marked and witnessed as described by the surveyor general
	Thence I run
	North bet. secs. 21 and 22
	Over mountainous land
	Ascending in dense oak brush on S.E. slope
40.00	Set a limestone 18×9×8 ins. 12 ins. in the ground for cor. of secs 15-16-21 and 22 marked 3.S. on N.E. & E. on S.E. faces with 3 notches on S. and E edges; raised a mound of stones 2 ft. base 1½ ft. high W. of cor.—Pits impracticable
	A diligent search failed to disclose any trace of old cor.—
	This cor. stands 250 ft. above the ¼ sec cor.
	Land mountainous—
	Soil gravelly loam and barrilles 3rd rate
	No timber — dense oak brush
	Mountainous land 40.00 chs. —
	Having already run a blank line bet. secs. 15 and 22 I run
	N. 88° 39' E on true line bet. secs. 16 and 22
	Over mountainous land
	Descending, in dense oak and maple brush
11.00	Dry wash of White Pine Creek in bottom of narrow gulch course S 60 ft. below cor.
	Ascend.
11.60	Road to mountains course N. and S.
12.10	Ditch 2 chs wide course S.
40.73	Set a limestone 17×10×5 ins. 11 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.
	A diligent search failed to reveal any trace of

Resurvey Subdivision of T. 35 R. 4 E.

Chains the old cor.
55.20 Top of ridge bears N. and S. 380 ft. above wash
Descend to
57.46 The cor. of secs. 14-15-22 and 23
This cor. stands 260 ft. below top of ridge
Land mountainous
Soil gravelly crush and boulders 3rd rate
Cor timber: Dense oak and maple brush
Mountainous land 57.46 chs.—
October 6. 1901

Note: Being that the method of subdividing the W. half of this Tp. must depend on the condition of the old survey in secs. 21-28 and 33 therefor October 8.: From the 1/4 sec cor. bet. secs. 21 and 22 as heretofore described I run south on a blank retracement line bet. secs. 21 and 22: at 40.54 on information from a settler I found the original cor. of secs. 21-22-27 and 28, buried 1 ft. deep. bearing W. 6 lks. and the course of this line would therefor be N. 0°5' E.— From said cor. I run on a blank line West bet. secs. 21 and 28: at 40.07 chs a carefull search failed to reveal any trace of the 1/4 sec cor. From the cor. of secs. 21-22-27 and 28 I continue on a blank line south bet. secs. 27 and 28: at 40.00 chs. I find trace of the old 1/4 sec. cor being a stone firmly set with mark obliterated: at 80.27 chs. I find trace of the original cor. of secs. 27-28-33 and 34 being a stone with one notch on S. edge.— From this cor I run a blank line West bet. secs. 28 and 33 but could discover no trace of cor. either at 40.00 chs. nor 80.00 chs.—

From the cor. of secs. 27-28-33 and 34 I run south on a blank line bet. secs. 33 and 34: at 39.86 chs, I found the 1/4 sec cor bearing E. 91 lks.: at 80.00 chs. I found the cor. of secs. 3-4-33 and 34 bearing E. 80 lks.

I therefor made the following resurveys.

I began at the cor. of secs. 3-4-33 and 34 on S. bdy of Tp. which is a stone firmly set and marked with 3 notches on S. and W. edges and having a scattering mound of stones on N. side, I raised a mound of

Resurvey subdivision of T. 35 R. 4 E.

Chains	
	stones 2 ft. base 1½ ft. high W. of cor. Pits impracticable
	Thence I run
	N. 0°9' E. bet. secs. 33 and 34
	Over mountainous land
	Ascending gradually, in oak brush
4.00	Top of ridge runs E.
	Begin descent
19.95	Fence bears E. and W.
23.03	Head of hollow drains N. 70° E. 100 ft. below
	ridge: ascend to
40.15	The ¼ sec. cor. which is a stone firmly set
	marked and witnessed as described by the
	surveyor general. —
	This cor. stands on top of ridge 75 ft. high running E.
	Thence I run N. 1°18' W. —
1.00	Fence bears N. 3° E. and S. 3° W. descend
10.20	Ditch 3 lks. wide course E.
11.05	Ditch 4 lks. wide course E. at bottom of slope
11.10	Leave mountainous land course E. and W.
	100 ft. below ¼ sec. cor.
	Fence bears E. and W.: Enter gently sloping bench
	Enter dense undergrowth —
22.75	Fence bears E. and W.: Enter meadow
	Leave dense undergrowth —
22.80	Ditch 6 lks. wide course E.
32.72	Fence bears E. and W.
32.85	Ditch 6 lks. wide course E.
37.72	Fence bears E. and W.
39.85	The cor. of secs. 27-28-33 and 34: which is a
11.10 / 28.75	stone 11 x 6 x 5 inc. poorly set, and having 1 notch
	on S. edge, no other marks discernible but the
	settlers claim it to be the original cor. and I
	reestablish it as follows:
	The original cor. being small, friable and
	markings entirely obliterated except to one
	accustomed to look for them I set a
	perpendicular stone 18 x 8 x 6 inc. 12 inc. in the
	ground for cor. of secs. 27-28-33 and 34 marked
	with 1 notch on S. and 3 notches on E. edge whence
	A cottonwood tree 10 inc. diam. bears N. 55° 20' W.
	97 lks. dist. marked T. 3 S. R. 4 E. S. 28 B. T.

Chain	A cottonwood tree 6 in. diam. bears S 72° 25' W. 73 lks. dist. marked T 3 S R 4 E. S 33 B.T. No other trees within limit: Raised a mound of stones 2 ft. base 1½ ft. high W. of cor. Pits impracticable.—
	Land mountainous and bench
	Soil gravel and alluvial wash 3rd and 2nd rate
	No timber: Dense oak, willow and thorn undergrowth—
	Mountainous land and dense undergrowth— 62.75 chs.—
	October 8: The sky being overcast during the noon hour I was unable to observe the sun on the meridian
	West bet. secs. 28 and 33
	Ascending gradually in cultivated field
.48	Fence bears N. and S.
6.80	Fence bears N and S.— Fence runs W. 10 lks N. of line
6.90	Irrigating ditch 6 lks. wide flows S.
21.00	Fence runs N. and S.— Leave cultivated land
	Enter mountainous land bears N and S.
	Begin ascent, in oak brush
26.50	Ditch of springwater 3 lks. wide flows S. 25° W.
39.34	Fence from E. turns N
40.00	Set a porphyry stone 18×9×5 ins. 12 ins. in the ground for ¼ sec. cor. marked ¼ on N. face: raised a mound of stones 2 ft. base 1½ ft. high N. of cor. Pits impracticable.—
	No trace of original ¼ sec. cor. could be found
67.00	Top of spur runs S. 500 ft. above sec. cor. Descending
76.20	Dry wash in bottom of gulch 90 ft. deep comes S. 70° E. ascend
80.00	Set a sandstone 18×12×8 ins. 12 ins. in the ground for cor. of secs. 28-29-32 and 33 marked with 1 notch on S. and 4 notches on E. edges: raised a mound of stones 2 ft. base 1½ ft. high W. of cor. Pits impracticable.— No trace of old cor. could be found
	Land mountainous
	Soil alluvial and gravelly wash 2nd and 3rd rate
	No timber — Dense oak brush
	Mountainous land 59.00 chs.—

Resurvey subdivision of T. 3 S. R. 4 E.

Chains	
	North bet. secs. 27 and 28
	Gently sloping bench; cultivated field
16.20	Fence bears E. and W.
21.20	Canal 16 lks wide course S.W.; Leave cultivated field
21.35	Fence bears N.E. and S.W. at foot of slope. - ascend
	Enter mountainous land course N.E. and S.W.
27.00	Top of spur 50 ft. high course E. Descend
30.00	Foot of slope bears N.60° W. and S.60° E.
	Leave mountainous land
	Enter cultivated land, rolling
39.00	Fence bears S10° E and N.10° W. - Enter lane
39.70	Road along lane
40.20	The 1/4 sec. cor., being a porphyry stone firmly set 10 x 7 x 4 inc. above ground, marking wholly obliterated. - I re-mark stone 1/4 on W. face and raised a mound of stones 2 ft. base 1½ ft. high W. of cor. Pits impracticable
40.45	Fence from W. turns S.10° E. 5 lks E. of line
53.85	Fence course E. and W.
55.58	Canal 16 lks wide course S.40° E.
55.68	Fence bears S 40° E and N. 40° W.
59.75	Fence bears E. and W.; Enter lane and road
60.20	Fence parallel; Leave lane
68.20	Ditch course S.E. 3 lks. wide
80.27	The cor. of secs. 21-22-27 and 28 which is a stone 7 x 6 x 5 inc. marked with 2 notches on S and 3 notches on E. edges and buried 1 ft. in the ground. - The markings being partly obliterated and the stone to small to reset I leave it buried and over it set a porphyry stone 17 x 8 x 6 inc. 11 inc. in the ground for cor. of secs. 21-22-27 and 28 marked with - 2 notches on S, and 3 notches on E. edges; raised a mound of stones 2 ft. base 1½ ft. high W. of cor. Pits impracticable
	Land mountain spur and rolling bench
	Soil alluvial varies 1st and 2nd rate
	No timber. - Dense oak brush on spur
	Mountainous land 8.65 chs. -
	West bet. secs. 21 and 28

Resurvey subdivision of T. 3 S. 18 E.

Chains	
	Gradual ascent, over meadow
9.70	Ditch 4 lks wide course S.E.
13.90	Fence bears N. and S.: Enter lane and road
15.50	Ditch 10 lks wide course S.: Thence along fence
18.10	Fence turns N.
18.60	Foot of mountain bears N.W. and S.E.: Enter dense oak brush and, ascend on N.E. slope Enter mountainous land
20.02	Ditch 3 lks wide course S 30° E.
25.35	Ditch 3 lks wide course S.E.
40.00	Set a porphyry stone 17×7×6 inc. 11 inc in the ground for 1/4 sec. cor. marked 1/4 on N. face: raised a mound of stones 2 ft. base 1½ ft. high N. of cor. Pits impracticable. A diligent search failed to disclose any trace of old corner.— This cor. stands 200 ft. above foot of mountain Land level and mountainous Soil alluvial and gravely wash 1st and 2nd rate No timber.: Dense oak brush on slope Mountainous land 21.40 chs.—
	From cor. of secs. 21-22-27 and 28 O run N. 0° 5' E. bet. secs. 21 and 22 Over meadow land
5.65	Slough 16 lks wide 3 ft deep drains S.E. Enter dense undergrowth course N.W. and S.E. and scattering timber
12.15	Fence bears E. and W.
13.35	Snake creek 16 lks wide in wash 10 ft. deep course S 60° E.
18.30	Leave dense undergrowth course E. and W.
24.70	Enter dense undergrowth course N.E. and S.W.
30.75	Stream from spring course S.E. 15 lks wide rapid current
31.75	Leave dense undergrowth course S.E. and N.W. Begin gradual ascent on bench
33.95	Ditch 3 lks wide course E.
39.10	Spring stream 16 lks. wide course S. 25° W. 1.50 chs below head of spr.
40.54	The 1/4 sec. cor. which is a stone firmly set marked and witnessed as heretofore described

Resurvey subdivision of T 3 S R 4 E.

Chains	Land level and gentle slope Soil alluvial wash 1st rate Timber cottonwoods scattering Dense rank brush of maple oak and thorn Dense undergrowth — 19.60 chs. October 8. 1901

General Description

For general description see field notes of subdivision of this Tp. Book "J".

Andrew P Hanson
U.S. Deputy Surveyor

BLANK

PAGE

BLANK

PAGE

BLANK

PAGE

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by Andrew P. Hansen, United States Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the re-survey of subdivision lines in Tp. 3 S. Rs. 6-5 and 4 E.

lowing the respective capacities in which they acted:

D F Clark, Chainman.
B. R. Lawrence, Chainman.
D F Clark, Moundman.
Alfred Carlson, Moundman.
B R Lawrence, Axman.
Thos. Lawrence Jr., Axman.
Alfred Carlson, Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted Andrew P Hansen, United States Deputy Surveyor, in re-surveying all those parts or portions of the subdivision lines in Tp. 3 S Rs. 6-5 and 4 East.

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

D F Clark, Chainman.
B. R. Lawrence, Chainman.
D F Clark, Moundman.
Alfred Carlson, Moundman.
B. R. Lawrence, Axman.
Thos Lawrence Jr., Axman.
Alfred Carlson, Flagman.

Subscribed and sworn to before me this 19th day of October 1901, ~~189~~

SEAL

Sam Raney
Notary Public

6—151

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

..... United States Deputy Survey[illegible]

[illegible] contract received from .....

[illegible] bearing date [illegible]

[illegible] 189 , I have well, faithfully, and truly, in m[illegible]

[illegible] conformity with the instructions furnished by the United States Sur[illegible]

[illegible] the Manual of Surveying Instructions, and the laws [illegible]

[illegible] surveyed all those parts or portions of .....

.....

.....

.....

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

[illegible] in the [illegible] of ....., which are represented [illegible] having been surveyed by me, and under my direction; and I do further sol[illegible] that all the corners of said survey have been established and perpetuated in strict accordanc[illegible] the Manual of Surveying Instructions, and the special written instructions of the United States Su[illegible] and in the specific manner described in the field notes, an[illegible] the foregoing are the original field notes of such survey; and should any fraud be detected, I will [illegible] under the provisions of an Act of Congress approved August 8, 1846.

.....

United States Deputy Sur[illegible]

[illegible] by said ..... , and sworn to before me

[illegible] day of 189

SEAL

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

[illegible] Feb 1 June 9 1903

The [illegible] field notes of the survey of the Subdivisional [illegible] Township [illegible] North Range [illegible] East of the Salt Lake [illegible] Meridian, Utah,

[illegible]

[illegible] April 13 1901 , 189 , having [illegible] corrections and explanations made, the said field notes, a[illegible] approved

[illegible]

United States Surveyor G[illegible]

[illegible] transcript of the field notes of the above-described surveys in .....

[illegible] has been correctly copied from the original notes on file in this off[illegible]

United States Surveyor G[illegible]

BLANK

PAGE

BLANK

PAGE

4—679.

229

J.

BOOK A-292

FIELD NOTES

OF THE SURVEY OF THE

Subdivision Lines

Of

Township No 3 South Range No 4 East

Of the Salt Lake Base and Meridian,

Utah

AS SURVEYED BY

Andrew P Hanson, United States Deputy Surveyor,

under his Contract No. 244, dated April 12, 1901

Survey commenced October 3, 1901

Survey completed October 18, 1901

6—151

[illegible]

high 40-05-73

Closing - 36-41

[illegible]

NAMES AND DUTIES OF ASSISTANTS.

D. F. Clark --- Chainman

B. R. Lawrence -- "

D. F. Clark --- Moundman

Alfred Carlson --- "

B. R. Lawrence --- Axman

Thos Lawrence Jr -- Axman

Alfred Carlson --- Flagman

For preliminary affidavits see book C. Tp 3 S R C E

6—151

BOOK A-292

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
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 assi
measuring, to the best of our skill and ability, and in accordance with instructions given us, in the surv
.....

..... , *Chain*

..... , *Chain*

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 establishi
of corners, according to the instructions given us, to the best of our skill and ability, in the surve
.....

..... , *Mound*

..... , *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 cor
and other duties, according to instructions given us, to the best of our skill and ability, in the surve
.....

..... , *Axm*

..... , *Axm*

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

SEAL

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

..... , *Flagm*

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

SEAL

Subdivision of T.3S.R4E

Chains	Survey commenced October 3. 1901 and executed with a Gurley light mountain transit with solar attachment: the horizontal limb is provided with two double verniers placed opposite to each other reading to single minutes of arc which is also the least count of the verniers of the latitude and declination arcs.—
	The instrument was examined, tested on the true meridian at Salt Lake, found correct and was approved by the surveyor general for Utah April 13, 1901.—
	October 3. I return to the true meridian established October 1 at my camp in sec. 21 and fully described in the field-notes of W. bdy. of this Tp. Book H. reference to which is hereby made and at 9h05m a.m. T.m.t set off 40° 32' 30" N. on the lat. arc, 3° 50' S. on the decl. arc. I test the adjustments of the instrument with the solar finding it gives very nearly the same meridian as before by a.m. observation which proves the adjustments satisfactory and I therefor consider it unnecessary to make further tests at this time.—
	I begin at the cor. of secs. 13-14-23 and 24 reestablished by me this date and fully described in field notes of subdivision resurveys of this Tp.
	Thence I run
	N. 0° 1' W. bet. secs. 13 and 14
	Over mountainous land
	Ascending in dense oak brush
10,00	Top of spur runs S. 20° W. 80 ft. above cor.
	Thence on gradual ascent on W. slope to
37,50	Ascent becomes abrupt
40,00	Set a gray sandstone 18 x 8 x 5 ins. 12 ins. in the ground for 1/4 sec. cor. marked 1/4 on W. face: raised a mound of stones 2 ft. base 1½ ft. high W. of cor. Pits impracticable
42,71	Fence bears E. and W. 30 lks from S.W. cor.

Chains whence it turns N. and ends at about 3 chs.
60.90 Top of ridge bears N. 20° E. and S. 20° W. 300 ft. above spur.
Thence along steep W. slope to
80.00 Set a quartzite stone 18×8×7 ins. 12 ins. in the ground for cor. of secs. 11-12-13 and 14 marked with 4 notches on S. and 1 notch on E. edges raised a mound of stones 2 ft. base 1½ ft. high W. of cor. Pits impracticable.
Land mountainous
Soil gravely wash and bowlders 3rd rate
No timber: Dense oak brush
Mountainous land 8000 chs.—

East on a random line bet. secs. 12 and 13
40.20 The ¼ sec. cor. reestablished by me this date and fully described in field notes of resurveys of subdivision bears N. 0° 1' W. 1.82 chs.
Thence I run
West on a true line bet. secs. 12 and 13
Over mountainous land
Ascending every slope in dense oak brush
36.80 Top of ridge bears N and S. 400 ft. above cor.
Begin abrupt descent
40.20 Intersect N. and S. line 1.82 chs. N. 0° 1' W. from cor. of secs. 11-12-13 and 14 from which I remove all marks relating to secs. 12 and 13
Set a quartzite stone 18×10×6 ins. 12 ins. in the ground for closing cor. of secs. 12 and 13 marked C.C. on E. face with 4 groves on S. and 2 groves on N. faces: raised a mound of stones 2 ft. base 1½ ft. high E. of cor.
Pits impracticable.—
This cor. stands 80 ft. below top of ridge
Land mountainous
Soil gravely wash and bowlders 3rd rate
No timber: Dense oak brush
Mountainous land 40.20

October 3 1901

October 4: At 7h 30m a.m. I set off

Subdivision of T. 3 S. R 4 E

Chains	
	40° 34' N on the lat. arc 4° 12' S. on the decl arc and determine a true meridian with the solar at the cor. of secs. 11 and 14 thence I run N 0° 1' W. bet. secs. 11 and 12
	Over mountainous land
	Ascending gradually on steep ex. slope to—
1.82	The closing cor of secs. 12 and 13
25.00	Top of ridge bears N. 15° W. and S. 15° E. 100 ft above cor.—Descend
30.00	Head of hollow course E. 40 ft. deep.— Ascend
37.50	Top of spur runs E. 80 ft. above hollow Descend
40.00	Set a quartzite stone 16 x 8 x 6 in. 11 in. in the ground for 1/4 sec. cor. marked 1/4 on W. face: raised a mound of stones 2 ft. base 1½ ft. high W. of cor. Pits inspectionite
43.46	Head of hollow drains E. 70 ft. deep. Ascend
53.40	Top of spur runs E. 90 ft. above hollow.—Descend
66.00	Head of hollow course E. 100 ft. deep.—Ascend
74.12	Top of spur runs E. 75 ft. above hollow Descending to—
80.00	Set a quartzite stone 16 x 9 x 8 in 11 in in the ground for cor. of secs. 1-2-11 and 12 marked with 3 notches on S. and 1 notch on E. edge: raised a mound of stones 2 ft. base 1½ ft high W. of cor. Pits inspectionite
	Land mountainous
	Soil gravelly wash and bowlders 3rd rate
	No timber: dense oak brush
	Mountainous land 80.00 chs.

East on a random line bet. secs. 1 and 12

40.00	Set Temp. 1/4 sec. cor.
80.06	Intersect First Guide Meridian East 2.98 chs. S. 0°35' E. of cor. of secs. 1-6-7 and 12 as reestablished by me this day, being a granite stone 22 x 12 x 7 in. set in a mound of stones 3 ft. base 2 ft. high marked with 1 notch on N. and 5 notches on S. edges: in identical place of original tree corner stump of which I found in place very rotten

Thence I run

West on a true line bet. secs. 1 and 12

Chains	
	Over heavily timbered land
0.70	Road from Volcer mine bears N.W. and S.E.
1.40	Fence bears S. 30° E. and N. – Thence along fence
	Leave heavily timbered land course N.W. and S.E.
	Enter mountainous land, and begin ascent
	course N.W. and S.E.
6.25	House of J.W. Thomas bears S. 350 chs.
19.30	Fence turns S.
40.03	Set a quartzite stone 18×9×6 ins. 12 ins. in the ground for 1/4 sec. cor. marked 1/4 on N. face raised a mound of stones 2 ft. base 1½ ft. high N. of cor. Pits impracticable
80.06	Intersect N. and S. line 2.98 chs N 0° 7' W of cor. of secs. 1-2-11 and 12 from which I remove all markings relating to secs. 1 and 12
	Set a quartzite stone 16×8×6 ins. 11 ins. in the ground for closing cor. of secs. 1 and 12 marked C.C. on E face with 5 grooves on S. and 1 groove on N. faces: raised a mound of stones 2 ft base 1½ ft. high E. of cor. Pits impracticable
	This cor. stands 400 p. above the cor of secs. 1-6 7 and 12
	Land mountainous
	Soil gravelly loam and in places 2nd and 3rd rate
	Timber cottonwoods of large size along river bottom
	Dense rank oak brush the whole distance
	Mountainous and heavily timbered land 80.06 chs.
	October 4: at this cor. I set off 4° 17' S. on the lat. arc and at 11h 49m a.m. I not observe the sun on the meridian the resulting lat. is 40° 35' N.
	N 0° 11' W on a random line bet. secs. 1 and 2
40.00	Set temp. 1/4 sec. cor.
82.60	Intersect N. bdy. of T. 75 lks. W. of cor. of secs. 1-2-35 and 36 which is a stone firmly set marked and witnessed as described by the surveyor general. Set a quartzite stone 18×12×9 ins. 12 ins. in the ground for closing cor of secs. 1 and 2 marked C.C. on S. face with 1 groove on E. and 5 grooves on W faces. Across which

Subdivision of T. 3 S. R 4 E

chains	
	A maple tree 6 inc. diam. bears S. 11°55' E 59 lks. dist. marked T. 3 S. R 4 E. S 1 B.T.
	A maple tree 5 inc. diam. bears S 43°0' W. 53 lks. dist. marked T. 3 S. R. 4 E. S. 2 B.T.
	I destroy all markings on original cor of secs. 1-2-35 and 36 pertaining to secs. 1 and 2
	Thence I run
	S 0°01' E on a true line bet. secs. 1 and 2
	Over mountainous land
	Ascending steep N. slope, in dense underbrush
21.50	Top of spur runs S. 75° E 300 ft. above cor.
	Descending
34.10	Stream 3 lks. wide runs E. in bottom of narrow gulch 210 ft. below spur. — Ascend
42.60	Set a quartzite stone 18 x 8 x 7 ins. 12 ins. in the ground for 1/4 sec cor. marked 1/4 on W. face; raised a mound of stones 2 ft. base 1½ ft. high W. of cor. Pits impracticable
47.10	Top of spur runs E 225 ft. above stream. — Descending
62.40	Bottom of hollow drains E. 130 ft. deep. — Ascending
66.60	Top of spur runs E 60 ft. above hollow. — Descending
79.62	The closing cor. of secs. 1 and 2 as before described
81.10	Bottom of hollow drains E. 125 ft. deep. — Ascending to
82.60	The cor. of secs. 2 and 11
	This cor. stands in N.E. slope 30 ft. above hollow
	Land Mountainous
	Soil gravelly wash and boulders 3rd rate
	No timber. —
	Dense maple brush and oak underbrush
	Mountainous land 82.60 chs. —
	October 4 1901

October 5: From the properly reestablished cor. of secs. 14-15-22 and 23 as described in notes of the resurvey of subdivisions of this Tp. Book "I" I run N. 0°2' W. bet. secs. 14 and 15

	Over mountainous land
	Descending, in dense oak and maple brush
2.65	Dry wash in bottom of gulch course S 75° E
	Begin abrupt ascent

Chains	
40.00	Set a trachyte stone 24×10×6 in. 18 in. in the ground for 1/4 sec. cor. marked 1/4 on W. face; raised a mound of stones 2 ft. base 1½ ft. high W. of cor. Pits impracticable
44.60	Top of spur running S. 70° E. 1200 ft. above sec. cor. Thence on steep E. slope in cliffs and breaks Gradual ascent
75.50	Top of rocky spur runs E. – Descend
80.00	Set a trachyte stone 18×10×8 in. 12 in. in the ground for cor. of secs. 10-11-14 and 15 marked with 2 notches on E and 4 notches on S. edges; raised a mound of stones 2 ft. base 1½ ft. high W. of cor. Pits impracticable. – Land mountainous very rugged Soil gravelly and rocky 3rd and 4th rate No timber. – Dense oak maple and thorn underbrush Mountainous land 80.00 chs. – October 5, at this cor. I set off 4° 40' S. on the decl. arc and at 11h 49m a.m. ? m.t. observed the sun on the meridian the resulting lat. is 40° 34' N.
	N. 89° 53' E. on a random line bet. secs. 11 and 14
40.00	Set temp. 1/4 sec. cor.
80.00	Intersect N. and S. line at cor of secs. 11 and 14 Thence I run S. 89° 53' W. on a true line bet. secs. 11 and 14 Over undulating land Descending abruptly
12.00	Dry wash in bottom of narrow gulch course S. 220 ft. below cor. –
12.40	Canon road bears N. and S. – Ascend
32.50	Top of ridge bears N. 10° W. and S. 10° E. 300 ft. above road Descending to
40.00	Set a porphyry stone 18×9×6 in. 12 in. in the ground for 1/4 sec. cor. marked 1/4 on N. face; raised a mound of stones 2 ft. base 1½ ft. high N. of cor. Pits impracticable
47.10	Dry wash in hollow 200 ft. below ridge drains S. 20° E. Ascending

Subdivision of T. 3 S. R. 4 E.

chains	
61,00	Bottom of steep rocky run course S. 75° E
	Ascent becomes steep in cliffs and breaks
80,00	The cor. of secs. 10-11-14 and 15
	This cor. stands 370 ft. above hollow
	Land mountainous
	Soil rocky and gravely 4th rate
	No timber
	Dense oak and thorn underbrush
	Mountainous land 80,00 chs. —
	N 0° 2' W bet. secs. 10 and 11
	Over mountainous land
	Descending in rocky cliffs and underbrush
2,08	Dry wash in bottom of rocky run course S 75° E
	50 ft. below cor. - ascending
22,00	Top of spur runs S 75° E 400 ft. above run
	Thence on gradual descent, broken slope
40,00	Set a porphyry stone 16x12x11 ins. 10 ins. in the ground for 1/4 sec. cor. marked 1/4 on W face; raised a mound of stones 2 ft. base 1½ ft. high W. of cor. Pits impracticable
45,30	Bottom of hollow 160 ft. below spur, drains S. E.
	Ascending
58,60	Top of ridge bears N 65° W and S. 65° E 275 ft. above hollow. - Descending steep N. slope to.
80,00	Set a granite stone 16x11x9 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 from which
	An aspen tree 4 ins. diam. bears S 32° 34' E 16 lks. dist. marked T 3 S R 4 E S. 11 B.T.
	An aspen tree 4 ins. diam. bears S 27° 54' W 7 lks. dist. marked T 3 S R 4 E. S 10 B.T.
	An aspen tree 5 ins. diam. bears N. 68° 30' E 9 lks dist marked T. 3 S. R. 4 E. S 2 B.T.
	An aspen tree 4 ins. diam. bears N 64° 58' W 13 lks. dist. marked T 3 S R 4 E S 3 B.T.
	This cor. stands 420 ft. below top of ridge
	Land mountainous
	Soil rocky and gravely 3rd rate

Subdivision of T. 3 S. R. 4 E.

Chains	Timber, aspen of small size and dense growth Dense, oak maple and aspen brush Mountainous land 80.00 chs. October 5, 1901
	October 6. At 7h 31m a.m., l.m.t. I set off 40° 35' N on the lat. arc. 4° 58' S. on the decl. arc and determine a true meridian with the solar at the cor of secs. 2-3 10 and 11.- Thence I run N. 89° 53' E. on a random line bet. secs. 2 and 11
40.00	Set temp. 1/4 sec. cor.
80.00	Intersect N. and S. line 16 lks. N. of cor. of secs. 2 and 11 Thence I run West on a true line bet. secs. 2 and 11. Over mountainous land Ascending abruptly on dense underbrush
13.10	Top of sharp ridge bears N 15° W. and S. 15° E. 275 ft. above cor. Begin abrupt descent
21.60	Stream 4 lks. wide flows S. 5° E in bottom of narrow gulch 190 ft. below ridge.- ascending in aspen timber
22.05	Canon road bears N 5° W and S 5° E.
40.00	Set a limestone 15 x 9 x 8 ins. 10 ins. in the ground for 1/4 sec. cor. marked 1/4 on N. face from which An aspen tree 4 ins. diam. bears N 1° 30' W 10 lks. dist. marked 1/4 S. 2 B.T. An aspen tree 4 ins. diam. bears S 53° 15' E 8 lks. dist. marked 1/4 S. 11 B.T.
80.00	The cor. of secs. 2-3-10 and 11 This cor. stands 480 ft. above the stream Land mountainous Soil gravely wash and bowlders. 3rd rate Timber aspen of small size and dense growth Dense oak and aspen underbrush Mountainous land 80.00 chs.—
	N 0° 2' W on a random line bet. secs. 2 and 3
40.00	Set. temp. 1/4 sec. cor.
82.52	Intersect N. bdy. of Tp. 42 lks. W. of cor. of secs. 2-3-34 and 35 Which is a stone firmly set marked and witnessed as described by Surveyor General Thence I run S. 0° 16' W on a true line bet. secs. 2 and 3

Subdivision of T. 3 S. R. 4 E.

chains	
	Over mountainous land
	Ascending in dense aspen timber and brush
13.50	Top of ridge bears N. 60° W. and S. 60° E. 220 ft. above cor.
	Begin abrupt descent. – Leave aspen timber
36.52	Stream 3 lks. wide flows S 86° E in bottom of narrow gulch 480 ft. below ridge. – Ascending abruptly
41.87	Top of sharp rocky ridge bears N. 75° W. and S. 75° E. 175 ft. above stream. –
	Begin abrupt descent
42.52	Set a limestone 17 x 9 x 6 ins. 11 ins. in the ground for 1/4 sec. cor. marked 1/4 on W. face. from which
	A mahogany tree 5 ins. diam. bears S 69° 45' E. 33 lks. dist. marked 1/4 S. 2 B.T.
	A mahogany tree 5 ins. diam. bears N. 7° 58' W. 15 lks. dist. marked 1/4 S. 3 B.T.
46.37	Dry wash course S. 75° E. in bottom of narrow gulch 100 ft. below ridge. – Ascending
70.90	Top of spur runs E. 340 ft. above wash. – Descending
80.02	Stream 3 lks. wide flows E in narrow gulch 235 ft. below spur. – Ascending to
82.52	The cor. of secs. 2-3-10 and 11.
	This cor. stands 75 ft. above stream
	Land mountainous
	Soil gravely wash and bowlders 3rd rate
	Timber aspen of small size and dense growth –
	Oak and thorn undergrowth –
	Mountainous land 82.52 chs.
	October 6: at this cor. I set off 5° 3' S. on the decl. arc and at 11h 48m a.m. l.m.t. observe the sun on the meridian; the resulting lat. is 40° 35' N.
	October 6. 1901
	October 7: At 7h 30m a.m. l.m.t. I set off 40° 34' N. on the lat. arc 5° 21' S. on the decl. arc and determine a true meridian with the solar at the cor. of secs. 10-11-14 and 15.
	Note: S. bdy. of sec. 15 being irregular I run from cor. of secs. 10-11-14 and 15
	West bet. secs. 10 and 15 – on sectional correction line
	Over mountainous land
	Ascending abruptly in cliffs and aspen brake

Subdivision of T. 3 S. R. 4 E.

Chains	
17.90	Top of ridge bears N. and S. 400 ft. above cor. Begin abrupt descent
40.00	Set a porphyry stone 24×10×6 ins. 18 ins. in the ground for 1/4 sec cor. marked 1/4 on N. face; raised a mound of stones 2 ft. base 1½ ft. high N. of cor. Pits impracticable
79.65	Dry wash in bottom of ravine course S from N.E. 1150 ft. below top of ridge. — Ascending
80.00	Set a granite stone 18×8×6 ins. 12 ins. in the ground for cor. of secs. 9-10-15 and 16 marked with 4 notches on S. and 3 notches on E. edge: raised a mound of stones 2 ft. base 1½ ft. high W. of cor. Pits impracticable
	Land mountainous
	Soil rocky and gravely 3rd and 4th rate
	No timber
	Dense aspen and oak underbrush
	Mountainous land 80.00 chs. —
	S. 0° 2' E. on a random line bet. secs. 15 and 16
40.00	Set temp. 1/4 sec cor.
81.72	Intersect E. and W. line 1.80 chs. N. 88° 39' E. of cor of secs. 15-16-21 and 22 as heretofore described
	Set a limestone 18×9×6 ins. 12 ins. in the ground for closing cor. of secs. 15 and 16 marked C.C on N. face with 3 grooves on E and W. faces: raised a mound of stones 2 ft. base 1½ ft. high N. of cor. Pits impracticable and destroy all markings on cor. of secs 15-16-21 and 22 pertaining to secs. 15 and 16
	Thence I run
	N 0° 2' W bet. secs. 15 and 16
	Over mountainous land
	Ascending gradually in bottom of gulch, in dense tall brush
14.87	Fence bears. S. 20° E. and N. 20° W.
15.10	White Pine Canon Creek 5 lks. wide flows S. E in bottom of gulch of that name
36.15	Canon road bears N.W. and S.E.
41.00	Same road runs N. 10° E.
41.72	Set a granite stone 18×9×6 ins. 12 ins. in the ground for 1/4 sec. cor. marked 1/4 on W. face: raised a mound of stones 2 ft base 1½ ft. high W. of cor. -

Subdivision of T 35 R 4 E.

chains	
	Pits impracticable
43.50	Same road bears N. 30° W.
62.50	Dry wash drains S.W. 20 ft. deep.
	Begin abrupt ascent
79.00	Top of spur runs S. and S.E. 660 ft. above sec. cor.
	Descending N. slope 40
81.72	The cor. of secs 9-10-15 and 16
	Land mountainous
	Soil gravely wash and bowlders
	No timber. –
	Dense brush of oak maple and thorn
	Mountainous land 81.72 chs. –
	October 7: at this cor. I set off 5°26' S. on the decl. arc and at 11h48m a.m., l.m.t. observed the sun on the meridian; the resulting lat. is 40°34' N.
	N 0°2' W. bet. secs. 9 and 10
	Over mountainous land
1.50	Ascending abruptly along spur
23.00	Top of spur runs S.20° W. 450 ft. above cor.
	Thence along steep W. slope, gradual ascent.
40.00	Set a trachyte stone 17×11×4 ins. 11 ins. in the ground for 1/4 sec. cor. marked 1/4 on W. face: raised a mound of stones 2 ft. base 1½ ft. high W. of cor.
	Pits impracticable
55.00	Bottom of ravine 90 ft. deep drains W. ascend
80.00	Set a pudding stone 16×8×7 ins. 11 ins. in the ground for cor. of secs. 3-4-9 and 10 marked with 3 notches on E and 5 notches on S. edges raised a mound of stones 2 ft. base 1½ ft. high W. of cor.
	This cor. stands 950 ft. above cor of secs. 9-10-15 and 16
	Land mountainous
	Soil gravely wash and ledges
	No Timber. –
	Dense Oak maple and thorn underbrush
	Mountainous land 80.00 chs. –
	East on a random line bet. secs. 3 and 10
40.00	Set temp. 1/4 sec. cor.
80.10	Intersect N. and S. line 14 lks. N of cor. of secs. 2-3-10

Chains	
	and 11
	Thence I run
	N 89°54' W on a true line bet. secs. 3 and 10
	Over mountainous land
	Ascending on steep broken N. E. slope in aspen timber
36.70	Dry wash 12 ft. deep drains N. E.
37.25	Leave timber covers N. and S.
40.05	Set a porphyry stone 18×10×8 ins. 12 ins. in the ground for 1/4 sec. cor. marked 1/4 on N. face; raised a mound of stones 2 ft. base 1½ ft. high N. of cor.
	Pits impracticable
47.75	Top of ridge bears N. W. and S. E. 700 ft. above sec. cor.
	Begin descent
80.10	The cor. of secs. 3-4-9 and 10
	This cor. stands 670 ft. below top of ridge
	Land mountainous
	Soil gravely wash and bowlders. 3rd rate
	Timber, aspen of small size and dense growth
	Dense aspen brake and thorn underbrush
	Mountainous land 80.10 chs. —
	October 7, 1901

	October 8. I run — N 0°2' W on a random line bet. secs. 3 and 4
40.00	Set temp. 1/4 sec cor.
82.36	Intersect N. bdy. of Tp. 5.15 chs. S 87°53' W of cor. of secs. 3-4-33 and 34 which is a stone firmly set marked and witnessed as described by the Surveyor General.
	Set a bracket stone 18×10×6 ins. 12 ins. in the ground for closing cor. of secs 3 and 4 marked C. C. on S. face with 3 grooves on E. and W. faces, — raised a mound of stones 2 ft. base 1½ ft. high S of cor.
	Pits impracticable.
	I destroy all markings of original cor of secs. 3-4-33 and 34 pertaining to secs. 3 and 4
	Thence I run
	S. 0°2' E on a true line bet. secs. 3 and 4
	Over mountainous land
	Descending gradually on broken slope to
30.22	Board shanty over shaft on Clarissa mining claim on line
33.86	Head of gulch drains E. 250 ft. below cor.

Subdivision of T. 3 S R 4 E

chains	Begin ascent
42,36	Set a porphyry stone 18×9×8 ins. 12 ins. in the ground for 1/4 sec cor. marked 1/4 on W. face; raised a mound of stones 2 ft. base 1½ ft. high W. of cor. Pits impracticable
	October 8: At this cor. I set off 40°35' N. on the lat. arc 5°47' S. on the decl. arc and at 9h 32m a.m. l.m.t. determine a true meridian with the solar.–
50.86	Top of ridge bears N. 60° W. and S.E. 160 ft above gulch
	Begin abrupt descent
82,36	The cor of secs. 3-4-9 and 10
	This cor stands 700 ft. below top of ridge
	Land mountainous
	Soil gravely wash and ledges
	No timber.–
	Aspen brake and brush in scattering patches
	Mountainous land 82,36 chs.–
	October 8. 1901

In order to comply with the Manual and not carry the errors of the older surveys into the new work I proceed as follows.–

October 13: At 7h 40m a.m. l.m.t. I set off 40°34' N. on the lat. arc 7°38' S. on the decl. arc and determine a true meridian with the solar at the cor. of secs. 9-10-15 and 16.–

Thence I run

West. bet. secs. 9 and 16, on a sectional correction line

Over mountainous land

Ascending abruptly, in dense underbrush

2,50	Top of spur runs S. 70 ft. above cor.– Descending
12,95	White Pine Creek 10 lks. wide flows S in bottom of open gulch 75 ft. below spur
14,15	Part of same stream 10 lks. wide course S.
17,50	Canon road bears N. and S.
20,50	Begin abrupt ascent course N. and S.– Leave gulch bottom
30,40	Top of spur runs S. 150 ft. high.–
31,50	Begin descent
40,00	Set a limestone 18×8×7 ins. 12 ins. in the ground

Chains	
	for 1/4 sec. cor. marked 1/4 on N. face: raised a mound of stones 2 ft. base 1½ ft. high N. of cor.
	Pits impracticable
43.50	Dry wash in bottom of gulch 125 ft. below spur, drains S. 15° E. –
	Begin abrupt ascent
53.75	Top of spur runs S. 25° E 150 ft. above gulch
	Descend
63.00	Dry wash in bottom of hollow course S.E. 60 ft below spur
	Begin abrupt ascent
80.00	Set a sandstone 18×8×6 ins. 12 ins. in the ground for cor. of secs. 8-9-16 and 17 marked with 4 notches on S. and E. edges; raised a mound of stones 2 ft. base 1½ ft. high W. of cor. Pits impracticable
	This cor. stands 250 ft. above hollow
	Land mountainous
	Soil gravely wash and bowlders 3rd rate
	No timber. –
	Dense oak, maple and thorn undergrowth –
	Mountainous land 80.00 chs. –
	S. 0.3' E bet. secs. 16 and 17
	Over mountainous land
	Ascending gradually along N.E. slope in dense brush
14.00	Top of ridge bears N 25° W and S. 25° E 100 ft. above cor.
	Descending on S.W. slope
40.00	Set a limestone 18×9×7 ins. 12 ins. in the ground for 1/4 sec cor. marked 1/4 on W. face: raised a mound of stones 2 ft. base 1½ ft. high W. of cor. –
	Pits impracticable. –
80.00	Set a limestone 17×9×7 ins. 12 ins. in the ground for cor. of secs. 16-17-20 and 21 marked with 3 notches on S. and 4 notches on E. edges; raised a mound of stones 2 ft. base 1½ ft. high W. of cor. – Pits impracticable
	This cor. stands 700 ft. below top of ridge
	Land mountainous
	Soil gravely and rocky 3rd rate
	No timber. –
	Dense oak and maple undergrowth –
	Mountainous land 80.00 chs. –
	October 13: At this cor. I set off 7° 43' S. on the

chains	
	decl. are and at 11h. 46m a.m. l.m.t. observed the sun on the meridian; the resulting lat. is 45° 33' N.
	East on a random line bet. secs. 16 and 21
40.00	Set limst. 1/4 sec. cor.
80.08	Intersect N. and S. line and W. bdy. of sec. 15. 1.66 chs. - N. 0° 2' W from the closing cor. of secs. 15 and 16
	Set a limestone 18 x 9 x 6 ins. 12 ins. in the ground for closing cor. of secs. 16 and 21 marked C.C. on W. face with 3 grooves on N. and S. faces; raised a mound of stone 2 ft. base 1½ ft. high W. of cor. -
	I alter original cor. of secs. 15-16-21 and 22 to have reference only to W. on S. line, and closing cor. of secs. 15 and 16 to S.W. cor. of sec. 15
	Thence I run
	West on a true line bet. secs. 16 and 21
	Over mountainous land
	Ascending in dense underbrush
26.50	Top of spur runs S. 400 ft. above cor. Descend
40.04	Set a limestone 17 x 9 x 7 ins. 12 ins. in the ground for 1/4 sec. cor. marked 1/4 on N. face; raised a mound of stone 2 ft. base 1½ ft. high N. of cor.
	Pits impracticable
47.50	Bottom of ravine drains S. 270 ft. below spur. - Ascend
51.00	Top of spur runs S. 60 ft. high. - Descending
63.75	Bottom of ravine 90 ft. below spur drains S. - Ascending
71.75	Top of sharp spur runs S. 110 ft. above ravine Descending
80.00	The cor. of secs. 16, 17, 20 and 21
	This cor. stands 100 ft. below spur
	Land mountainous
	Soil gravelly and rocky 3rd rate
	No timber. -
	Dense oak, maple and thorn undergrowth -
	Mountainous land 80.00 chs. -
	South bet. secs. 20 and 21, on a sectional guide meridian
	Over mountainous land
	Descending, in oak brush
8.71	Snake Creek 15 lks wide swift current clear water, course

Subdivision of T. 3 S. R. 4 E.

chains S. 60° E in bottom of open gulch 115 ft. below cor.
Ascending W
10.70 Enter broken bench land 30 ft. above creek
16.04 Canon road bears N. 60° W. and S. 60° E.
23.70 Begin descent
26.20 Wood road runs E. and W. in bottom of hollow 30 ft. deep.
26.81 Stream 4 lks. wide flows E. - ascending
40.00 Set a quartzite stone 16×10×7 ins. 11 ins. in the ground for 1/4 sec. cor. marked 1/4 on W. face: raised a mound of stones 2 ft. base 1½ ft. high W. of cor. -
Pits impracticable. -
Farm house of Jacob Pabst bears S. 88° 22' E 36 chs.
Farm house of A C Springer bears N 37° 15' E 24.50 chs.
53.00 Top of slope 260 ft. above hollow: enter broken bench course E and W. - Thence on gradual ascent W
80.00 Set a quartzite stone 17×9×7 ins. 12 ins. in the ground for cor. of secs. 20-21-28 and 29 marked with - 2 notches on S. and 4 notches on E. edges: raised a mound of stones 2 ft. base 1½ ft. high W. of cor. Pits impracticable
Land mountainous
Soil gravelly worth 3rd rate
No timber
Dense oak and maple brush
Mountainous land 80.00 chs. -

October 13, 1901

October 14: At 7h 30m a.m. I set off 40° 32' N. on the lat. arc 7° 5' S. on the decl arc and determine a true meridian with the solar at the cor. of secs. 20-21-28 and 29
Thence I run
East on a random line bet. secs. 21 and 28
37.95 The 1/4 sec. cor. as reestablished by me October 8 1901 and described in "Book I" bears S. 2.44 chs.
Thence I run
West on a true line bet. secs. 21 and 28
Over mountainous land
Along steep N. slope in dense underbrush, ascending gradually
5.00 Top of low spur runs N. -
Begin descent on N.W. slope
15.00 Bottom of hollow drains N. 25° E 100 ft. below spur.

Subdivision of T. 35 R 4 E

chains	Begin gradual ascent
37.95	Intersect N. and S. line 2.44 chs. S of cor of secs. 20-21-28 and 29 from which I remove all markings pertaining to secs 21 and 28 thence I set a sandstone 18x10x6 ins. 12 ins. in the ground for closing cor. of secs. 21 and 28 marked C.C. on E. face with 2 grooves on S. and 4 grooves on N. faces: raised a mound of stones 2 ft. base 1½ ft. high E. of cor. Pits impracticable This cor. stands 120 ft. above hollow Land mountainous Soil gravelly wash 3rd rate No timber.— Dense oak maple and thorn undergrowth— Mountainous land 37.95 chs.—
	South on a random line bet. secs. 28 and 29
40.00	Set limst. 1/4 sec. cor.
82.72	Intersect E. and W. line 1.57 chs. E. of cor. of secs. 28-29-32 and 33 as reestablished by me October 8. 1901 and described in "Book I" Set a sandstone 17x8x6 ins. 11 ins. in the ground for closing cor. of secs. 28 and 29 marked C.C. on N. face with 2 grooves on W. and 4 grooves on E. faces raised a mound of stones 2 ft. base 1½ ft. high N. of cor. Pits impracticable I remove markings from cor. of secs. 28-29-32 and 33 pertaining to secs. 28 and 29 Thence I run North on a true line bet. secs. 28 and 29 Over mountainous land Descending, in dense underbrush
1.42	Dry wash in bottom of gulch drains S. 75° E. Begin abrupt ascent
17.00	Top of spur runs E. 320 ft. above gulch.—Descend
31.57	Dry wash in bottom of gulch drains E. 350 ft. below spur.—
32.10	Wood road runs E. and W.— Ascending
37.60	Top. of spur runs E. 60 ft. high.— Descending gradually
40.00	Set a limestone 17x9x7 ins 12 ins. in the ground for 1/4 sec. cor. marked 1/4 on W. face: raised a mound

Chain of stone 2 ft. base 1½ ft. high W. of cor.
Pits impracticable
44.20 Head of hollow 70 ft. deep drains S.E.
Begin abrupt ascent
59.30 Top of ridge bears E and W. 275 ft. above hollow
Descending abruptly
77.00 Foot of steep slope bears E and W. 360 ft. below top of ridge. – Thence unprogressive descent
80.28 The closing cor. of secs. 21 and 28
82.72 The cor. of secs. 20 and 29
Land mountainous
Soil gravelly and rocky 3rd rate
No timber
Dense Oak and maple brush
Mountainous land 82.72 chs. –

From the cor. of secs. 32 and 33 as before described
I run
South on a random line bet. secs. 32 and 33
40.00 Set temp. ¼ sec. cor.
77.74 Intersect S. bdy. of Tp. at cor. of secs. 4-5-32 and 33
As reestablished by me October 9. 1901
Thence I run
North on a true line bet. secs. 32 and 33
Over mountainous land
Along steep E. slope in dense underbrush
Ascending gradually
5.00 Top of spur runs N. 75° E. – Descend
19.70 Bottom of hollow drains E. 160 ft. below spur. –
Ascending
33.30 Top of spur runs E. 200 ft. above hollow. –
Begin abrupt descent
37.74 Set 12" quartzite stone 26×10×7 ins. 19 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. –
An ash tree 4 ins. diam. bears S 84° 5' E 17 lks dist. marked ¼ S 33 B.T.
An ash tree 4 ins diam. bears S 81° 2' W 10 lks dist. marked ¼ S. 32 B.T.
50.20 Wood road bears E and W. in bottom of gulch

Subdivision of T 3 S R 4 E

chains

50.70 Dry wash in bottom of gulch draining E. 320 ft below spur. - Ascending

67.70 Top of spur runs E. 350 ft. above gulch. - Descending abruptly -

77.74 The cor. of secs. 32 and 33

This cor. stands 230 ft. below top of spur. -
Land mountainous
Soil gravely 3rd rate
No timber. -
Dense oak and maple brush undergrowth -
Mountainous land 77.74 chs. -
October 14: The sky being overcast during the noon hour I was unable to observe the sun on the meridian. -

From the cor. of secs. 8-9-16 and 17 I run
N. 0° 3' W. bet. secs. 8 and 9
Over mountainous land
Along steep broken E. slope, in dense undergrowth -

23.00 Spur runs S. 75° E. - Descending gradually

40.00 Set a limestone 18×8×7 in. 12 in. in the ground for 1/4 sec. cor. marked 1/4 on W. face: raised a mound of stones 2 ft. base 1½ ft. high W. of cor. Pits impracticable

43.50 Bottom of gulch drains S.E. 150 ft. below spur
Ascending

48.00 Top of spur runs S. 75° E 70 ft. high. - Descending

56.12 Bottom of gulch and dry wash 90 ft. deep. draining S.E. - Ascend
Enter aspen timber

80.00 Set a porphyry stone 17×8×6 in. 11 in. in the ground for Cor. of secs. 4-5-8 and 9 marked with 4 notches on E. and 5 notches on S. edges from which
An aspen tree 4 in. diam. bears N 53° 21' E 15 lks. dist. marked T.3 S.R.4 E. S. 4. B.T. -
An aspen tree 5 in. diam. bears N. 80° 40' W. 16 lks. dist. marked T 3 S R 4 E S 5 B.T.
An aspen tree 4 in. diam. bears S. 63° 45' W. 37 lks. dist. marked T. 3 S. R. 4 E. S. 8 B.T.

chains	
	an ashen tree 4 in diam. bears S. 74°18' E. 19 lks. dist. marked T. 3 S. R. 4 E. S. 9 B. T.
	This cor. stands 230 ft. above bottom of gulch
	Land mountainous
	Soil gravely 3rd rate —
	Timber ashen of small size and dense growth —
	Dense oak, maple, and thorn undergrowth —
	Mountainous land 80.00 chs. —
	East on a random line bet. secs. 4 and 9
40.00	Set temp. 1/4 sec. cor.
79.94	Intersect N. and S. line at cor. of secs. 3-4-9 and 10
	Thence I run
	West on a true line bet. secs. 4 and 9
	Over mountainous land
	Descending abruptly, in dense undergrowth —
20.10	White Pine creek 14 lks. wide course S. 10° E. in bottom of canon of that name 340 ft. below cor.
	Ascending
39.97	Set a porphyry stone 18 x 10 x 6 in. 12 in. in the ground for 1/4 sec. cor. marked 1/4 on N. face: raised a mound of stones 2 ft. base 1½ ft. high N. of cor. —
	Pits impracticable
43.00	Top of slope and spur running S. 250 ft. above creek
	Enter ashen timber.
	Thence over broken S. slope to
46.05	Canon road bears N. and S.
59.00	Begin abrupt descent
70.20	Bottom of hollow and dry wash, draining S. 20° E. 200 ft. below spur. —
	Canon road runs parallel to wash
	Thence on gradual ascent to
79.94	The cor. of secs. 4-5-8 and 9
	Land mountainous
	Soil gravely wash and bowlders 3rd rate —
	Timber ashen of small size and dense growth —
	Dense oak, maple and thorn undergrowth —
	Mountainous land 79.94 chs. —
	October 14, 1901
	October 15: at 7h 41m a.m., T.m.T. — I set off 40° 35' N.

Subdivision of T. 3 S. R. 4 E.

Chains	
	on the lat. arc 8°22' S. on the decl. arc and determine a true meridian with the solar at the cor. of secs. 4-5-8 and 9
	Thence I run
	N. 0°3' W. on a random line bet. secs. 4 and 5
40.00	Set lineh. 1/4 sec. cor.
79.35	Intersect N. bdy of Tp. 3.60 chs. S. 89°00' W. of cor. of secs. 4-5-32 and 33 as heretofore described in "Book. L"
	I set a trachyte stone 18×9×5 in. 12 in. in the ground for closing cor. of secs. 4 and 3 marked C.C. on S. face with 4 grooves on E. and 2 grooves on W. faces; from which
	An aspen tree 7 in. diam. bears S. 35°48' E. 39 lks. dist. marked T 3 S R 4 E. S. 4 B.T.
	An aspen tree 8 in. diam. bears S. 30°57' W. 64 lks. dist. marked T. 3 S. R. 4 E. S 5 B.T.
	And destroy markings on cor. of secs. 4-5-32 and 33 relating to secs. 4 and 5
	Thence I run
	S. 0°3' E. on a true line bet. secs. 4 and 5
	Over mountainous land
	Descending, in aspen timber
3.35	Ditch 5 lks. wide flows S.E. at foot of slope,
	Enter open gulch and gradual descent
	Leave timber course N.W. and S.E.
24.95	Old road bears S.E. and N.W.
32.75	White Pine Creek 14 lks. wide, clear water flows S.E. in bottom of open gulch 150 ft. below cor.
	Begin gradual ascent
39.35	A stationary trachyte stone 40×40×30 in. above ground for 1/4 sec. cor. marked ⊕ for exact cor. point and underneat it 1/4 S., in center of E. face of stone which is on line; raised a mound of stone 2 ft. base 1½ ft. high on top of stone
40.35	Enter aspen timber bears N.W. and S.E.
54.25	Top of spur runs S.E. 130 ft. above creek.—
	Descending
59.90	Old wood road bears N. 30° W. and S. 30° E.
79.35	The cor. of secs. 4-5-8 and 9
	This cor. stands 240 ft. below top of spur

Chains	Land mountainous Soil gravely wash and bowlders 3rd rate Timber ashen of small size and dense growth Mountainous land 78.35 chs. —
	The S. bdy. of Tp. being irregular and also the omission of secs. 28-29-32 and 33 I go to the cor. of secs. 20 and 29 as before described Thence I run West bet. secs. 20 and 29, on a sectional correction line Over mountainous land Ascending, on N. E. slope in dense undergrowth.-
21.00	Hollow 60 ft. deep drains N. 20° E.
37.50	Enter dense ashen timber
40.00	An ashen tree 5 in. diam. for 1/4 sec. cor. I mark 1/4 S. 20 on N side 29 on S. side from which An ashen tree 4 in. diam. bears N. 0° 10' W. 13 lks. dist. marked 1/4 S. 20 B.T. An ashen tree 4 in. diam bears S. 10° 13' W. 8 lks. dist. marked 1/4 S 29 B.T.
78.40	Top of ridge bears S. 80° E. and N. 80° W. 1050 ft. above sec. cor. Descending gradually Leave timber
80.00	Set a limestone 18 x 10 x 4 in. 12 ins. in the ground for cor. of secs. 19-20-29 and 30 marked with 2 notches on S. and 5 notches on E. edge: raised a mound of stones 2 ft. base 1½ ft. high W. of cor. — Pits impracticable Land mountainous Soil gravely wash and bowlders 3rd rate Timber ashen of small size and dense growth. Dense oak and maple underbrush Mountainous land 80.00 chs. — October 15: At this cor. I set off 8° 27' S. on the decl. arc and at 11h 46m a.m. P.M.T. observe the sun on the meridian: the resulting lat. is 40° 52' N. —
	Knowing from surveys already made I can not close within the limit on corners on W. bdy. of Tp. I run

Subdivision of T. 3 S. R. 4 E.

chains	
	West bd. secs. 19 and 30
	Over mountainous land
	Along steep broken S. slope to-
9.80	Top of spur running S. 20° E 50 ft. above cor.
	Descend
18.00	Bottom of hollow drains S. 80 ft. deep. - ascend
	Entire timber conifer S. and N.E.
38.00	Top of ridge bears N. 80° E. and S. 80° W. 150 ft. above hollow. -
	Thence on N. slope
40.00	Set a quartzite stone 18×8×7 ins. 12 ins. in the ground for 1/4 sec. cor. marked 1/4 on N. face, from which
	A pine tree 28 ins. diam. bears N. 29° 11' E. 36 lks. dist. marked 1/4 S. 19 B.T.
	A pine tree 16 ins. diam. bears S. 58° 21' E. 69 lks. dist. marked 1/4 S. 30 B.T.
64.00	Top of dividing ridge between Snake Creek and Deer Creek about 8000 ft. elevation, course N.W. and S. 30° E.
	Begin gradual descent
80.34	Intersect W. bdy. of Tp. 1.50 chs. S. of cor. of secs. 19 24-25 and 30 as set by me October 2. 1901
	I set a porphyry stone 18×10×6 ins. 12 ins. in the ground for closing cor. of secs. 19 and 30 marked C C on E. face with 2 grooves on S. and 4 grooves on N. faces: from which
	An aspen tree 6 ins. diam. bears N. 20° 0' E 10 lks. dist. marked T. 3 S. R. 4 E. S. 19 B.T.
	An aspen tree 6 ins. diam. bears S. 40° 28' E. 13 lks. dist. marked T. 3 S. R. 4 E. S. 30 B.T.
	and obliterate all markings on cor. of secs. 19-24 25 and 30 pertaining to secs. 19 and 30
	This cor. stands 110 ft. below top of divide
	Land mountainous
	Soil gravely wash and bowlders 3rd rate -
	Timber aspen and pine of poor quality
	Mountainous land 80.34 chs. -

From the cor. of secs. 19-20-29 and 30 I run S. 0° 1' E. bd. secs. 29 and 30

Subdivision of T. 3 S. R. 4 E.

Chains	
	Over mountainous land
	Descending abruptly
8.70	Head of gulch drains S.E. 130 ft. below cor.
	Ascend
12.00	Top of spur runs S.50°E. 30 ft. high.--Descend.
20.30	Bottom of gulch drains S 65°E 150 ft. below spur
	Wood road runs parallel with gulch.—
	Ascending abruptly
32.00	Top of spur runs E 360 ft. above gulch.--Descend
40.00	Set a limestone 17×9×6 in. 11 in. in the ground for 1/4 sec. cor. marked 1/4 on W. face; raised a mound of stones 2 ft. base 1½ ft. high W. of cor.—
	Pits impracticable
44.50	Bottom of gulch drains E. 300 ft. below spur
	Ascend
56.00	Top of spur runs E. 290 ft. above gulch.--Descend
62.15	Bottom of gulch drains E. 200 ft. below spur
	Ascending on broken slope
80.00	Set a limestone 18×10×4 in. 12 in. in the ground for cor. of secs. 29-30-31 and 32 marked with 1 notch on S. and 5 notches on E. edges; raised a mound of stones 2 ft. base 1½ ft. high W. of cor.
	Pits impracticable.—
	This cor. stands 340 ft. above gulch near top of ridge
	Land mountainous
	Soil gravelly wash and rocky 3rd rate
	No timber.—
	Dense manzita and ashen brake and undergrowth—
	Mountainous land 80.00 chs.—
	October 15. 1901

October 16: at 7h 27m a.m. I.m.t.— I set off 40° 31' N. on the lat. arc 8° 44' S. on the decl arc and determine a true meridian with the solar at the cor. of secs. 29-30-31 and 32

Thence I run

East on a random line bet. secs. 29 and 32

40.00	Set temp. 1/4 sec. cor.
80.44	Intersect N. and S. line and W. bdy of sec. 28 — 2.72 chs. N. of the closing cor. of secs. 28 and 29
	Set a porphyry stone 18×8×6 in. 12 in. in the

Chains	
	ground for closing cor. of secs. 29 and 32 marked C.C. on W face with 1 groove on S and 6 grooves on N. faces; raised a mound of stones 2 ft. base 1½ ft. high W. of cor. Pits impracticable I remove all markings of original cor of secs 28-29-32 and 33 pertaining to secs. 29 and 32 which leaves it as the N.W. cor of sec. 33. — and change the closing cor. of secs 28 and 29 to S.W. Cor. sec. 28
	Thence I run
	West on a true line bet. secs. 29 and 32
	Over mountainous land
	Ascending gradually on steep S. slope in dense brush
24.00	Top of spur runs S. 100 ft. above cor. - Descend
32.30	Bottom of gulch drains S. 60° E. 90 ft. below spur
	Begin abrupt ascend
40.22	Set a porphyry stone 18×10×5 inc. 12 inc. in the ground for 1/4 sec. cor. marked 1/4 on N. face; raised a mound of stones 2 ft. base 1½ ft. high N. of cor. Pits impracticable
43.30	Top of spur runs N.E. 320 ft. above gulch
	Thence on N. slope and gradual ascend.
80.44	The cor. of secs. 29-30-31 and 32
	This cor. stands 280 ft. above spur
	Land mountainous
	Soil gravely wash and brakes.
	Timber: a few pine scattering, and ashes in bunches. —
	Dense oak maple and ashes undergrowth
	Mountainous land 80.44 chs. —
	Knowing from surveys already run I can not close within the limit on corners of W. bdy.
	I run
	West bet. secs. 30 and 31
	Over mountainous land
	Ascending on N. side of ridge, in dense underbrush
29.00	Top of dividing ridge between Snake Creek and Deer creek course S. 25° E. and N. 25° W. 300 ft. above cor. - Descend
	Leave dense undergrowth —
40.00	Set a limestone 18×10×8 inc. 12 inc. in the ground for 1/4 sec. cor. marked 1/4 on N. face;

chains raised a mound of stones 2 ft. base 1½ ft. high N. of cor. Pits impracticable

46.00 Enter timber course N and S

69.70 Stream 5 lks. wide flows S. 35° E in bottom of gulch 460 ft. below divide. – Ascending

74.50 Top of ridge bears N. 30° W and S. 30° E. 90 ft. above stream. –

Thence on gradual descent to –

80.50 Intersect W. bdy. of Tp. 1.86 chs. S. of cor. of secs. 25-30-31 and 36 as heretofore described

Set a sandstone 18 x 8 x 6 in. 12 in. in the ground for closing cor. of secs. 30 and 31 marked C.C. on E. face with 1 groove on S and 6 grooves on N. face from which

An aspen tree 8 in. diam. bears N. 21° 16' E. 17 lks. dist. marked T. 3 S. R. 4 E. S 30 B.T.

An aspen tree 7 in. diam bears S 41° 35' E 28 lks. dist. marked T. 3 S. R. 4 E. S. 31 B.T.

And obliterate markings from cor of secs. 25-30-31 and 36 pertaining to secs. 30 and 31

Land mountainous

Soil gravelly wash and rocky 3rd rate

Timber aspen of all sizes and dense growth

Mountainous land 80.50 chs. –

October 16: at this cor. I set off 8° 49' S. on the decl arc and at 11h 46m a.m. P.M.T. observed the sun on the meridian; the resulting lat. is 40° 31' N.

From cor. of secs. 29-30-31 and 32 I run S. 0° 1' E. on a random line bet. secs. 31 and 32

40.00 Set temp. ¼ sec cor.

78.17 Intersect S. bdy. of Tp. 1.30 chs. S. 88° 21' E. of cor. of secs. 5-6-31 and 32 as heretofore described

Set a sandstone 17 x 10 x 4 in. 11 in. in the ground for closing cor. of secs. 31 and 32 marked C.C. on N. face with 1 groove on W. and 5 grooves on E. face raised a mound of stones 2 ft. base 1½ ft. high N. of cor. Pits impracticable. –

I obliterate all markings on original cor. pertaining to secs. 31 and 32

Chains	
	Thence I run
	N. 0° 1' W on a true line bet. secs. 31 and 32
	Over mountainous land
	Along w. slope and gradual ascent
19.00	Top of ridge, at low pass, course N 25° W and S.E. 100 ft. above cor. Descending abruptly –
	Enter timber course N.W. and S.E.
34.00	Head of gulch draining S 75° E 300 ft. below ridge
	Ascending. – Leave timber. – Enter dense brush
35.17	Set a limestone 18 x 10 x 7 in. 12 in. in the ground for 1/4 sec. cor. marked 1/4 on W. face raised a mound of stones 2 ft. base 1½ ft. high W. of cor. Pits impracticable
42.65	Top of spur runs E. 90 ft. high. – Descending
50.00	Bottom of narrow gulch draining E. 150 ft. below ridge. – Ascending
58.00	Top of spur runs E. 100 ft. high. – Descending
61.10	Head of gulch draining S. 60° E 70 ft. below spur
	Ascending abruptly
74.55	Top of ridge bears E. and W. 275 ft. above gulch
	Descending gradually to
78.17	The cor. of secs. 29-30-31 and 32
	Land mountainous
	Soil gravely wash and rocky 3rd rate
	Timber pine and aspen. –
	Dense maple and aspen undergrowth –
	Mountainous land 78.17 chs.

	From the cor. of secs. 19-20-29 and 30 I run
	N. 0° 1' W. bet. secs. 19 and 20
	Over mountainous land
	Ascending to
.80	Top of ridge bears N. 85° W. and S. 85° E. 30 ft. above cor.
	Begin abrupt descent
	Enter timber course parallel with ridge
40.00	Set a limestone 18 x 8 x 6 in. 12 in. in the ground for 1/4 sec cor. marked 1/4 on W. face:
	from which
	An aspen tree 4 in. diam bears S. 21° 30' E. 13 lks. dist marked 1/4 S. 20. B.T.
	An aspen tree 4 in. diam. bears N. 71° 30' W. 27 lks. dist

Chains	
	marked 1/4 S. 19 B.T.
43.55	Stream 2 chs. wide flows N. 80° E. in bottom of gulch 820 ft. below ridge. — ascending
77.70	Top of sharp ridge E. 760 ft. above gulch. —
	Begin gradual descent — Leave timber. — Enter underbrush
80.00	Set a limestone 18 x 7 x 6 ins. 12 ins. in the ground for cor. of secs. 17-18-19 and 20 marked with 3 notches on S. and 5 notches on E. edge: raised a mound of stones 2 ft. base 1½ ft. high W. of cor. Pits impracticable. —
	Land mountainous
	Soil gravely and rocky 3rd rate
	Timber aspen of small size and dense growth —
	Dense aspen maple and thorn undergrowth —
	Mountainous land 80.00 chs. —
	October 16, 1901.

October 17: at 7h 45m a.m. I.m.? — I set off 40° 33' N. on the lat. arc. 9° 6' S. on the decl. arc and determine a true meridian with the solar at the cor. of secs. 17-18-19 and 20.

Thence I run

East on a random line bet. secs. 17 and 20

40.00	Set temp. 1/4 sec cor.
79.90	Intersect N. and S. line 7 chs. N of cor. of secs. 16-17-20 and 21
	Thence I run
	N 89° 57' W on a true line bet. secs. 17 and 20.
	Over mountainous land
	Descending abruptly in dense undergrowth
3.00	Dry wash in bottom of hollow draining S 10° E. 60 ft. below cor.
	Begin gradual ascent
33.50	Top of sharp ridge S. 175 ft. above hollow. — Descend
41.00	Set a porphyry stone 18 x 10 x 7 ins. 12 ins. in the ground for 1/4 sec. cor. marked 1/4 on N. face: raised a mound of stones 2 ft. base 1½ ft. high W. of cor. Pits impracticable
45.45	Canon road bears N.W. and S.E. in bottom of gulch 120 ft. below chain
49.05	Snake Creek 20 lks. wide flows S. 60° E in bottom of canon

Chains	
	gulch.–
50.25	Begin abrupt ascent
79.90	The cor. of secs. 17-18-19 and 20
	This cor. stands 420 ft. above creek.–
	Land mountainous
	Soil gravely and rocky 3rd rate–
	No timber
	Dense aspen brake and oak brush
	Mountainous land 79.90 chs.–
	Knowing from surveys already made I can not close within the limit on corner of W. bdy. of Tp.
	I run
	West bet. secs. 18 and 19
	Over mountainous land
	Ascending broken slope, in dense aspen brake
5.00	Top of spur runs N.E. - 110 ft. above cor.
	Thence on gradual ascent, N.E. slope
40.00	Set a limestone 18×8×6 ins. 12 ins. in the ground for 1/4 sec. cor. marked 1/4 on N. face; raised a mound of stones 2 ft. base 1½ ft. high N. of cor. Pits impracticable
68.00	Top of ridge bears N. 80° W and S 80° E 620 ft. above sec. cor.. Enter aspen timber course parallel with ridge
	Thence on S. slope to–
80.28	Intersect W. bdy. of Tp. 1.71 chs. S. of cor. of secs. 13 18-19 and 24 as heretofore described
	Set a profiling stone 18×8×6 ins. 12 ins. in the ground for closing cor. of secs. 18 and 19 marked C.C. on E. face with 3 grooves on N. and S. faces from which
	An aspen tree 5 ins. diam. bears N. 8° 30' E. 17 lks. dist. marked T. 3 S. R. 4 E. S. 18 B.T.–
	An aspen tree 5 ins. diam. bears S. 75° 45' E. 15 lks. dist. marked T. 3 S. R. 4 E. S 19 B.T.
	And obliterate all markings from cor. of secs. 13-18 19 and 24 pertaining to secs. 18 and 19
	Land mountainous
	Soil gravely wash and bowlders 3rd rate–
	Timber aspen of small size and dense growth–
	Dense aspen brake and undergrowth–

Subdivision of T 35 R 4 E

Chains Mountainous land 80.28 chs

October 17: at this cor I set off 9°12' S. on the decl. arc and at 11h 46m a.m., P.M.T. observed the sun on the meridian: the resulting lat. is 40° 33' N. —

From cor. of secs. 17-18-19 and 20 I run
N. 0°4' W bet. secs. 17 and 18
Over mountainous land
Descending on broken slope in dense undergrowth —
23.05 Wood road bears N. 70° W. and S. 70° E.
40.00 Set a porphyry stone 18 x 9 x 5 ins. 12 ins. in the ground for 1/4 sec. cor. marked 1/4 on W. face from which
An aspen tree 5 ins. diam. bears N 10°29' E 17 lks. dist. marked 1/4 S.17 B.T.
An aspen tree 5 ins. diam. bears S. 57°10' W. 35 lks dist. marked 1/4 S.18 B.T.
42.60 Spring branch 3 lks. wide course N. 65° E in bottom of gulch 600 ft. below sec. cor.
44.20 Canon road bears N 70° W and S. 70° E
46.00 Snake Creek 16 lks. wide swift current good clear water flows S. 70° E.
46.30 Begin gradual ascent on bench
60.00 Beginning of abrupt ascent on N. E slope.
A branch of Snake Creek from N. bears E about 4 chs. in deep narrow gulch. —
80.00 Set a limestone 18 x 7 x 6 ins. 12 ins. in the ground for cor of secs. 7-8-17 and 18 marked with 4 notches on S. and 5 notches on E. edge: raised a mound of stones 2 ft. base 1½ ft. high W. of cor.
Pits impracticable
This cor. stands 325 ft. above creek. —
Land mountainous
Soil gravelly and rocky 3rd rate —
Timber, scattering pine trees and bunches of aspen. —
Dense aspen brake and rank undergrowth —
Mountainous land 8.00 chs. —

S. 59°57' E. on a random line bet. secs. 8 and 17
40.00 Set temp 1/4 sec cor.

Subdivision of T. 3 S. R. 4 E.

chains	
80.18	Intersect N. and S. line at cor of secs. 8-19-16 and 17
	Thence I run
	N 89° 57' W. on a true line bet. secs. 8 and 17
	Over mountainous land
	Ascending in dense oak and maple brush
5.15	Top of ridge bears N. 25° W and S. 25° E - 90 ft. above cor. Descending
25.30	Bottom of hollow drains S. 20° E. 320 ft. below ridge - Ascending
40.09	Set a limestone 18 x 8 x 6 in. 12 in. in the ground for 1/4 sec. cor. marked 1/4 on N. face. raised a mound of stones 2 ft base 1½ ft. high N. of cor. Pits impracticable
55.00	Top of ridge bears N. and S. 570 ft. above hollow. - Begin abrupt descent
74.05	Stream 8 lks wide flows S in bottom of narrow gulch 530 ft. below ridge. - Ascending abruptly
80.18	The cor. of secs. 7-8-17 and 18
	This cor. stands 135 ft. above stream
	Land mountainous.
	Soil gravely and rocky 3rd rate
	No timber.
	Dense oak, maple and aspen undergrowth
	Mountainous land 80.18 chs.

Knowing from surveys already made I can not make a closing within the limit on cor. on W. bdy of Tp. I run

West bet. secs. 7 and 18

Over mountainous land

Ascending abruptly. on S. E. slope in undergrowth

10.00	Top of spur runs S. 10° E. 150 ft. above cor. - Begin abrupt descent on broken slope
37.00	Enter bottom of Snake Creek Canon course N.W. and S.E.
37.90	Canon road bears N.W. and S.E.
38.70	Snake Creek 15 lks. wide flows S.E. in bottom of Snake Creek Canon 400 ft. below spur. -
40.00	Set a porphyry stone 16 x 10 x 7 in. 11 in. in the ground for 1/4 sec. cor. marked 1/4 on N. face

chains	
	from which
	A pine tree 4 ins. diam. bears N. 22° 45' W. 36 lks.
	dist. marked 1/4 S. 7 B.T.
	A pine tree 7 ins. diam. bears S 72° 18' W. 22 lks.
	dist. marked 1/4 S. 18 B.T.
	Begin ascent on broken slope
	Enter timber
67.00	Top of spur runs S. 75° E. 310 ft. above 1/4 sec. cor.
	Level timber covers N. 70° W and S 70° E.
	Thence along S. slope to
80.30	Intersect N. bdy. of Tp. 1.60 chs. S of cor. of secs. 7-12
	13 and 18 as heretofore described
	A stationary limestone 8×8×6 ins. above ground for
	closing cor. of secs. 7 and 18 I mark C. C. on E. face
	with 4 grooves on S. and 2 grooves on N. faces: raised
	a mound of stones 2 ft. base 1½ ft. high E. of cor.
	Pits impracticable.—
	And obliterate all markings on cor. of secs. 7-12-13
	and 18 pertaining to secs. 7 and 18
	Land mountainous
	Soil gravely and rocky 3rd rate
	Timber, pine of fair quality
	Dense oak, maple, and aspen undergrowth—
	Mountainous land 80.30 chs.—
	October 17, 1901

	October 18: At 7h 33m a.m., T.m.T. I set off 40° 34'
	N. on the lat. arc 9° 25' S. on the decl. arc and determine
	a true meridian with the solar at the cor. of secs.
	7-8-17 and 18
	Thence I run
	N. 0° 4' W. bet. secs. 7 and 8
	Over mountainous land
	Ascending abruptly on broken slope
40.00	Set a limestone 18×9×7 ins. 12 ins. in the ground
	for 1/4 sec. cor. marked 1/4 on W. face, from which
	A pine tree 10 ins. diam. bears N. 37° 33' W. 8 lks.
	dist. marked 1/4 S. 7 B.T.
	A pine tree 7 ins. diam. bears N 71° 5' E. 29 lks. dist.
	marked 1/4 S. 8 B.T.
65.00	Top of spur runs E. 600 ft. above sec. cor.

Subdivision of T. 3 S. R. 4 E.

Chains	Descending.
76.50	Bottom of hollow drains S. 75° E. 150 ft. below spur. - ascending.
80.00	Set a porphyry stone 18 x 7 x 7 ins. 12 ins. in the ground for cor. of secs. 5-6-7 and 8 marked with 5 notches on S. and E. edges from which an aspen tree 4 ins. diam. bears S. 61° 5' W. 16 lks. dist. marked T. 3 S. R. 4 E. S. 7 B. T.
	No other trees within limit. -
	Raised a mound of stones 2 ft. base 1½ ft. high
	W. of cor. Pits impracticable
	Land Mountainous
	Soil gravely and rocky 3rd rate
	Timber a few pine scattering
	Dense aspen brake and underbrush
	Mountainous land 80.00 chs. -
	S 89° 57' E on a random line bet. secs. 5 and 8
40.00	Set temp. ¼ sec. cor.
80.00	Intersect N. and S. line. 12 lks. S. of cor. of secs. 4 5-8 and 9
	Thence I run
	S. 89° 58' W. on a true line bet. secs. 5 and 8
	Over mountainous land
	Along S. slope, in aspen timber
19.70	Dry wash in hollow 50 ft. deep, drains S. 30° E.
	Begin abrupt ascent
	Leave aspen timber course N. W. and S. E. -
40.00	Set a quartzite stone 18 x 15 x 7 ins. 12 ins. in the ground for ¼ sec. cor. marked ¼ on N. face from which.
	A pine tree 25 ins. diam. bears S 6° 44' E. 62 lks. dist. marked ¼ S. 8. B. T
	No other trees within limits
	Raised a mound of stones 2 ft. base 1½ ft. high
	N. of cor. Pits impracticable
43.00	Top of sharp ridge bears N. and S. 440 ft. above wash
	Begin abrupt descent. Enter pine timber bears N. and S. -
72.90	Stream 7 lks. wide drains S. in narrow gulch 480 ft. below ridge. - Ascending
	Leave timber course N. and S.

Chains

77.00 Top of spur runs S.E. 100 ft. above stream —
Descending
80.00 The cor. of secs. 5-6-7 and 8
Land mountainous
Soil gravelly and rocky 3rd rate
Timber aspen of small size and dense growth —
and a bunch of pines of fair quality
Mountainous land 80.00 chs. —
October 18: at this cor. I set off 9° 34' S. on the
decl. arc and at 11h 45m a.m. I observed the
sun on the meridian: the resulting lat. is
40° 35' N. —

Knowing from surveys already made I am not close
within the limit on cor. on N. bdy. of Tp. I run
West bet. secs. 6 and 7
Over mountainous land
Descending gradually in S. slope in dense aspen brake
4.50 Dry wash in hollow drains S 60° E
Begin abrupt ascent
20.00 Leave aspen brake
24.50 Top of ridge bears N. and S. 500 ft. above wash
Descending
34.00 Bottom of hollow drains S. 230 ft. below ridge
Thence on broken S. slope
Entire aspen timber course N. and S.
40.00 An aspen bee 7 in. diam. for 1/4 sec. cor. I mark 1/4
S.6 on N. side 7 on S. side from which
An aspen bee 7 in. diam. bears S. 87° 30' E. 6 lks.
dist. marked 1/4 S.7 B.T.
An aspen bee 7 in. diam. bears N. 70° 0' W. 30 lks.
dist. marked 1/4 S.6 B.T.
U.S. Mineral Monument No. 2 Snake Creek Dist.
bears N. 4° 29' E 19.69 chs. —
44.43 Dry wash in hollow 30 ft. deep drains S.
Begin ascent
54.00 Top of spur runs S. 15° E. 150 ft. above hollow —
Descending
66.85 Stream 4 lks. wide drains S. 25° E in bottom of
gulch 230 ft. below spur

Subdivision of T. 3 S R 4 E

Chains	Ascending gradually along wash to
78.00	Leave wash bearing N. 60° W.
80.12	Intersect W. bdy of Tp. 1.35 chs. S of cor. of secs. 1-6-7 and 12 as heretofore described
	Set a quartzite stone 18×11×7 ins. 12 ins. in the ground for closing cor of secs. 6 and 7 marked C.C on E. face with 1 grove on N. and 5 groves on S. faces from which
	A pine tree 5 ins. diam. bears S. 47° 0' E. 21 lks. dist. marked T. 3 S. R. 4 E. S 7 B.T.
	A pine tree 14 ins. diam. bears N 22° 57' E 53 lks dist. marked T. 3 S. R. 4 E. S. 6 B.T.
	And destroy all markings on cor of secs 1-6-7 and 12 pertaining to secs. 6 and 7 X
	Land Mountainous
	Soil gravely and rocky 3rd rate
	Timber aspen and a few pine
	Mountainous land 80.12 chs. —
	From the cor. of secs. 5-6-7 and 8 whence U.S. Mineral Monument No 2 Snake Creek District bears N 64° 30' W. 26.57 chs. I run
	N. 0° 4' W bet. secs. 5 and 6
40.00	Set limb 1/4 sec. cor.
78.16	Intersect N. bdy. of Tp. 2.30 chs. S 87° 45' W. of cor. of secs. 5-6-31 and 32 as heretofore described in "Book L."
	I set a porphyry stone 18×9×6 ins. 12 ins. in the ground for closing cor. of secs. 5 and 6 marked C.C. on S. face with 1 grove on W. and 5 groves on E. faces; raised a mound of stones 2 ft. base 1½ ft. high S. of cor.
	And obliterate all markings on cor of secs. 5-6-31 and 32 pertaining to secs. 5 and 6
	Thence I run
	S. 0° 4' E. on a tree line bet. secs. 5 and 6
	Over mountainous land
	Ascending, in dense undergrowth
4.00	Enter pine timber
18.40	Top of ridge bears N. 80° W. and S. 80° E. 200 ft. above cor.
	Leave timber course E. and W. and descend in

Chains	
	aspen brake and scattering trees
38.16	Set a quartzite stone 18 x 9 x 9 ins. 12 ins. in the ground for 1/4 sec. cor. marked 1/4 on W. face: from which
	An aspen tree 7 ins. diam. bears S. 87° 35' W. 70 lks. dist. marked 1/4 S. 6 B.T.
	An aspen tree 7 ins. diam. bears S. 66° 41' E. 76 lks. dist. marked 1/4 S. 6 B.T.
45.70	Stream 4 lks wide flows S. S. 25° E in bottom of gulch 700 ft. below top of ridge
	Begin gradual ascent
63.00	Top of spur runs E. 200 ft. above stream. - Descending
78.16	The cor. of secs. 5-6-7 and 8
	This cor. stands 300 ft. below top of spur
	Land mountainous
	Soil gravely and rocky 3rd rate
	Timber pine and aspen, mainly scattering
	Aspen brake and underbrush
	Mountainous land 78.16 chs. —
	I return to the meridian established October 5, from Polaris. at 4h 15m p.m., T.M.T. I set off 40° 32' 30" N. on the lat. arc 9° 36' S. on the decl. arc and test the adjustment of my solar, finding it gives the same meridian as before and adjustments correct —
	October 18. 1901
	Note: Owing to lateness of season, deep snow and cold weather I am compelled to abandone work in the field for the season. —

General Description

The portion of this township covered by the present survey is all mountainous land and unfit for cultivation excepting a small portion in the mouth of Snake Creek Canon in sec. 21. - The soil is rocky but fertile and furnishes excelent summer pasture. - The snow fall early and usually very heavy laying until May and June. -

The timber has long since been cut down and used by adjoining settlements and there now remains no timber of any value only

a few patches of larger been very much worked over. —
There was considerable mining work carried on at one time which is attested by numerous shafts and tunnels now mostly caved in and very little is being done at this time
The indications of mineral are everywhere in evidence and with further development the township will probably produce paying mines of gold, silver, lead, and copper
There are no quarries within the township the rocks all being to much broken up to be of value for building purposes
The township is well watered by Snake Creek White Pine Creek and several other smaller streams and springs; the waters of all having long since been claimed for irrigation in the valley lying to the south and east.
There are 3 settlers in the township - J W Thomas in sec. 12 N.E. 1/4 - Jacob Pabst and A C Springer in sec. 21 W. 1/2 - Each of these have a small patch of ground under cultivation; a small house and some stock sheds -
I found no evidence of Desert Entry 434 by Ulrich Probst in S.W. 1/4 of sec. 21
All the sections within this survey is returned as mineral land -

Andrew P Hanson
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 Andrew P Hanson, United States Deputy Surveyor, to assist in running, measuring, and ...ing the lines and corners described in the foregoing field notes of the survey of subdivision ...ier in Tp 3 S Rs 6-5 and 4 E.

...ing the respective capacities in which they acted:

D F Clark, Chainman.
B R Lawrence, Chainman.
D F Clark, Moundman.
Alfred Carlson, Moundman.
B R Lawrence, Axman.
Thos Lawrence Jr., Axman.
Alfred Carlson, Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted Andrew P Hanson, United States Deputy Surveyor, in surveying all ...e parts or portions of the subdivision lines in Tp. 3 S. Rs 6-5 and 4 E of the Salt ...ake 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 ...er monuments established, according to the instructions furnished by the United States Surveyor ...eral for Utah

D F Clark, Chainman.
B. R. Lawrence, Chainman.
D F Clark, Moundman.
Alfred Carlson, Moundman.
B R Lawrence, Axman.
Thos. Lawrence Jr., Axman.
Alfred Carlson, Flagman.

...ecribed and sworn to before me this 19th day of October 1901, ~~189~~

Sam Raney
Notary Public

SEAL

151

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, ..., United States Deputy Sur
solemnly swear that, in pursuance of a contract received from .....
United States Surveyor General for ....., bearing d
..... day of ....., 189 , I have well, faithfully, and truly, i
proper person, and in strict conformity with the instructions furnished by the United States
General for ....., the Manual of Surveying Instructions, and the la
United States, surveyed all those parts or portions of .....
.....
.....
.....
..... of the .....
..... meridian, in the ..... of ....., which are represen
foregoing field notes as having been surveyed by me, and under my direction; and I do further
swear that all the corners of said survey have been established and perpetuated in strict accord
the Manual of Surveying Instructions and the special written instructions of the United States
General for ..... and in the specific manner described in the field notes,
the foregoing are the original field notes of such survey; and should any fraud be detected, I v
the penalty of perjury under the provisions of an Act of Congress approved August 8, 1846.

.....
United States Deputy

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

SEAL

.....
.....

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, June 9, 190

The foregoing field notes of the survey of the subdivisional lines
Township 3 South Range 4 East of the Salt
Base & Meridian, Utah
.....
.....
.....
.....
executed by ..... Andrew P. Hansen
under his contract No. 244, dated April 12, 1901, 189, ha
critically examined, and the necessary corrections and explanations made, the said field notes
surveys they describe, are hereby approved.

Edward M. Anderson
United States Surveyor

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

.....
United States Surveyor

BLANK

PAGE

BLANK

PAGE

4—679.

K.

BOOK A-292

FIELD NOTES

3.B.

OF THE RE SURVEY OF THE

South East and North Boundaries

of

Township No 3 South Range No 4 East

Of the Salt Lake Base and Meridian,

Utah

AS SURVEYED BY

Andrew P Hanson, United States Deputy Surveyor,

Under his Contract No. 244, dated April 12, 1901

Survey commenced October 9, 1901

Survey completed October 12, 1901

6—151

Resurvey S. Bdry high M. chs. [illegible] 3-00-70

" E " " 1-01-30

Retracement E. Bdry

" N. Bdry

4-[illegible]

3-[illegible]

6-[illegible]

9-[illegible]

NAMES AND DUTIES OF ASSISTANTS.

D F Clark — — Chainman

B R Lawrence — — "

D F Clark — — Moundman

Alfred Carlson — "

B R Lawrence — — Axman

Thos Lawrence Jr. "

Alfred Carlson Flagman

For preliminary officials see book "B" Tp. 3 S R 6 E.

6—151

BOOK A-292

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 le
chain over even and uneven ground, and plumb the tally pins, either by sticking or dropping the sam
we will report the true distances to all notable objects, and the true lengths of all lines that we a
measuring, to the best of our skill and ability, and in accordance with instructions given us, in the su
.....

..... , *Cha*

..... , *Cha*

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 establi
of corners, according to the instructions given us, to the best of our skill and ability, in the su
.....

..... , *Moun*

..... , *Moun*

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 c
and other duties, according to instructions given us, to the best of our skill and ability, in the sur
.....

..... , *A*

..... , *A*

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

SEAL

.....

.....

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

..... , *Fla*

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

SEAL

.....

.....

Resurvey of S. bdy. T. 3 S. R. 4 E.

Chains

Survey commenced October 9, 1901 and executed with a W & L.E. Gurley light mountain transit with solar attachment. The horizontal limb is provided with two double verniers placed opposite to each other reading to single minutes of arc which is also the least current of the vernier of the latitude and declination arcs.— The instrument was examined, tested on the true meridian at Salt Lake, found correct and was approved by the surveyor general for Utah April 13, 1901 October 9: I return to the true meridian established October 1 at my permanent camp. in sec 21 T 3 S R. 4 E. and fully described in the field notes of W bdy of this Tp "Book H" referenced to which is hereby made; and at 7h 34m a.m. l.m.t. set off 40° 32' 30" N. on the lat. arc 6° 0' S. on the decl. arc test the adjustments of instrument, finding it gives the same meridian as before which proves the adjustments correct and I therefor consider further test unnecessary.—

Being unable to make proper closings of T. 3 S. R. 4 E. with data now at hand and being satisfied as to correctness of my survey of W. bdy. it becomes necessary to retrace at least a portion of the old surveys in order to locate the error, —therefor From the cor. of secs. 3-4-33 and 34 on S. bdy of Tp. as heretofore described in "Book I" I run N. 89° 50' W. on a blank line along S. bdy of T. 3 S. R. 4 E. and make a diligent search for 1/4 sec. and sec. cors. at each 40 chs. but found no trace of any cor. until at 161.30 chs. I find the cor. of secs. 5-6-31 and 32 bearing N. 4.18 chs. which falling answers to a return course of S. 88° 21' E. I continue as before N 89° 50' W along S. bdy sec. 31 and at 38.34 chs. find the 1/4 sec. cor. bearing S. 75 lks at 79.37 the cor. of Tps. 3 and 4 S. Rs 3 and 4 E bears S. 20 lks. As none of the corners on this line are properly set and most of them not found at all.

I make the following resurvey.—

I begin at the cor. of Tps. 3 and 4 S Rs 3 and 4 E As heretofore described in "Book H"

Thence I run

S. 89° 04' E. bet. secs. 6 and 31

chains Over mountainous land
Descending on rolling slope in timber
4102 The original 1/4 sec. cor. an aspen tree is dry and partly rotted. I set a porphyry stone 18 x 10 x 7 ins. 12 ins. in the ground for 1/4 sec. cor. marked [illegible]
Original aspen 12 ins. diam. bears S. 61° W. 20 lks. properly marked
An aspen tree 5 ins. diam. bears S 47° 0' E. 13 lks. dist.
I mark 1/4 S. 6 B.T.
No bearing object could be found in sec. 31 within limits.—
Thence N 89° 53' E.
5[illegible] Leave timber at foot of slope course N. and S.; enter creek bottom 365 ft. below Tp. cor.
703 Deer creek 6 lks. wide flows S., clear pure water.
753 Begin abrupt ascent, enter aspen brush course N. and S.
1500 Leave aspen brake course N. and S.
3000 Top of spur runs S.W. 500 ft. above creek
Thence on gradual ascent
3834 The cor. of secs. 5-6-31 and 32 as found; a sandstone 20 x 9 x 3 ins. marked with 1 and 5 notches on opposite edges, lying in a heap of stones.— I reset stone 12 ins. in the ground marked with 1 notch on W. and 5 notches on E. edges, raised a mound of stones 2 ft. base 1½ ft. high W. of cor.—
Pits impracticable.—
Land Mountainous
Soil gravels wash, and ledges on E. side of creek
Timber aspen, and scattering pine
Mountainous land 79.36 chs.—

S 88° 21' E bet. secs. 5 and 32
Over mountainous land
Ascending
3[illegible] Thence bears N. and S.
1[illegible] Top of ridge and detached hill sloping on all sides 200 ft above cor.—
Thence along steep N. slope in dense brake and brush
3000 Begin gradual descent
4[illegible] The proportionate distance.— Set a limestone W. 17 x 5 ins. 17 ins. in the ground for 1/4 sec. cor. marked 1/4 on N.

Chains	
	fall whence
	An ashen tree 4 ins. diam. bears S. 10° 45' W. 7 lks. dist. marked 1/4 S. 5 B.T.
	An ashen tree 10 ins. diam. bears N. 16° 8' E 34 lks. dist. marked 1/4 S. 32 B.T.
	No trace of old cor. could be found
46.50	Top of steep rises N. 60° E.: thence of steep E. slope
80.67	The proportionate distance:- Set a quartzite stone 18 x 8 x 7 ins. 12 ins. in the ground for cor. of secs. 4-5-32 and 33 marked with 2 notches on W. and 4 notches on E. edges: raised a mound of stones 2 ft. base 1½ ft. high W. of cor. —
	Pits impracticable
	This cor. stands 4.30 ft. below top of ridge
	No trace of original cor. could be found
	Land mountainous
	Soil gravely wash and bowlders 3rd rate
	No timber.-
	Dense ashen and willow brake and brush
	Mountainous land 80.67 chs.-
	October 9. The weather being cloudy during the noon hour I was unable to observe the sun on the meridian. —
	S. 88° 21' E. bet. secs. 4 and 33
	Over mountainous land
	Descending abruptly, in dense underbrush
40.33½	The proportionate distance.- Set a limestone 18 x 10 x 7 ins. 12 ins. in the ground for 1/4 sec. cor. marked 1/4 on N. face: raised a mound of stones 2 ft. base 1½ ft. high N. of cor. Pits impracticable. -
	No trace of original cor. could be found
64.00	Leave underbrush course N. and S.
	Thence on gradual descent
68.10	Dry wash drains S. in hollow 100 ft. below sec. cor.
	Ascending
76.60	Top of steep rises S. 80 ft. high.- Descending
79.80	Fence bears N. and S.
80.67	The cor. of secs. 3-4-33 and 34 as heretofore described
	Land mountainous

claim Soil gravelly loam and boulders 3rd rate
No timber
Heavy oak and maple brush.
Mountainous land 80.07 chs. —
October 9. 1901

October 10: Being still unable to make proper closing of this Tp. it becomes necessary to retrace more of the old exterior lines in order to locate the error; therefor At 2h 3m p.m, I set off 40° 32' N. on the lat. arc 6° 37' S. on the decl. arc and determine a true meridian at the cor. of secs. 19-24-25 and 30 on E. bdy. of Tp. which is a stone firmly set marked and witnessed as described by the surveyor general. Thence I run North on a blank retracement line bet. secs. 19 and 24
40.72 The ¼ sec. cor. bears W. 4 lks. being a stone firmly set and properly marked
81.40 The cor. of secs. 13-18-19 and 24 bears W. 7 lks. being a stone firmly set and properly marked as heretofore described
The course of this line is therefor N. 0° 3' W.

North on a blank retracement line bet. secs. 13 and 18
40.82 The ¼ sec. cor. bears W. 3 lks. being a stone firmly set and properly marked
81.62 The cor of secs. 7-12-13 and 18 bears W. 8 lks. being a stone firmly set and properly marked as heretofore described
The course of this line is therefor N 0° 3' W.
October 10, 1901

October 11: At 7h 40m a.m, I set off 40° 34' N. on the lat. arc 6° 52' S. on the decl. arc and determine a true meridian with the solar at the cor. of secs. 7-12-13 and 18 on E. bdy T 35 R 4 E. Thence I run North on a blank retracement line bet. secs. 7 and 12
40.40 The ¼ sec. cor. bears W. 3 lks. being a stone firmly set and properly marked.
81.80 The cor. of secs. 1-6-7 and 12 as reestablished by me and heretofore described in Book J. bears W. 6 lks.
The course of this line is therefor N. 0° 3' W.

North on a blank retracement line bet. secs. 1 and 6

Resurvey of E. bdy. T. 3 S. R. 4 E.

Chains	
40.00	No 1/4 sec could be found
81.30	The cor. of Tps. 2 and 3 S R. 4 and 5 E. bears W. 12 lks. being a stone firmly set marked and witnessed as described by the surveyor general
	The course of this line is therefor N 0°5' W. and not having found any trace of the 1/4 sec. cor. having made a carefull search I resurvey this line as follows
	I begin at the cor. of Tps. 2 and 3 S R. 4 and 5 E. as above described
	Thence I run
	S. 0°5' E. bet. secs. 1 and 6
	Over mountainous land
	Descending, in dense underbrush, broken slope
40.65	Set a quartzite stone 18×9×6 ins. 12 ins. in the ground for 1/4 sec. cor. marked 1/4 on W. face: raised a mound of stones 2 ft. base 1½ ft. high W. of cor. –
	Pits impracticable
	No trace of original 1/4 sec. cor. could be found
	This cor. stands on top of spur running S. 30° E 300 ft. below Tp. cor.
	Thence along very steep broken E. slope
60.30	Top of spur runs S. 30° E
	Descending abruptly to
62.80	Bottom of ravine drains S. 60° E. 60 ft. deep. – ascending
74.30	Top of spur runs S E. 100 ft. high. Descending
78.80	Old road now abandoned course N. W. and S. E.
80.87	Cottonwood Creek 4 lks wide course S. E. in bottom of hollow and river bottom. –
	Enter cottonwood timber
81.30	The cor. of secs. 1-6-7 and 12
	Land mountainous
	Soil gravely wash and bowlders 3rd rate –
	Timber cottonwood
	Dense oak and maple undergrowth –
	Mountainous land 81.30 chs. –
	October 11: at this cor. I set off 6°58' S. on the decl. arc and at 11h 47m a.m. l.m.t. – observe the sun on the meridian: the resulting lat. is 40°35' N. –

Being unable to close either the township boundaries

chains or the 1/4 tier of secs in this Tp. with data now at hand it becomes necessary to retrace the N. bdy. of Tp. therefor:

From the closing cor. of Tp. 3 S. R. 3 and 4 E. as set by me October 1. 1901 I run east on a blank retracement line along the N. bdy. of Tp. 3 S. R. 4 E. noting the distance and falling of each cor. until I reach the cor of Tps. 2 and 3 S. R. 4 and 5 E. and having found all of said corners deficient in measurement and alligament I make the following resurvey.—

I begin at the cor. of Tps. 2 and 3 S R. 4 and 5 E as heretofore described

Thence I run

West bet. secs. 1 and 36

Over mountainous land

Ascending in dense underbrush

32.00 Top of spur runs S. 20° E. 360 ft. above cor. - Descending

36.90 Bottom of hollow drains S. 90 ft. deep. - ascend.

39.40 Intersect the 1/4 sec cor. which is a stone firmly set marked and witnessed as described by the surveyor general.—

Thence I run

S. 87° 24' W. bet. secs 1 and 36

9.60 Top of spur runs S. 140 ft. high. - Descend

31.60 Cottonwood Creek 4 chs. wide flows S.E. on gulch 200 ft. below spur.— ascending

34.20 Wagon road from Provo River to Valeo mine course N.W. and S.E.

39.80 Intersect the cor. of secs. 35 and 36 as heretofore described in "Book J"

This cor. stands 60 ft above creek

Land mountainous

Soil gravely wash 3rd rate

No timber

Dense oak and maple brush

Mountainous land 39.20 chs.

West bet. secs. 2 and 35

Over mountainous land

Ascending in dense underbrush and scattering timber

9.75 I.E. closing cor. for secs. 1 and 2 set by me October 4 1901

19.00 Top of spur runs N. 200 ft. above cor. - Descending

Resurvey of N bdy T 3 S. R. 4 E.

Chains	
22,80	Bottom of hollow 50 ft. deep drains N E. - Ascend
32,50	Top of spur runs N. 30° E 70 ft. high. - Descending
38,15	Spring branch 2 chs. wide flows N. 65° E. in hollow. -
40,00	The 1/4 sec. cor. which is a stone firmly set marked and witnessed as described by the surveyor general
40,33	Spring branch 2 chs. wide drains N E. - ascend
80,30	The cor. of secs. 2-3-34 and 35 as heretofore described in "Book J"
	This cor. stands 600 ft. above the 1/4 sec. cor.
	Land mountainous
	Soil gravely wash and rocky ledges 3rd rate —
	Timber aspen, and scattering pine
	Dense aspen brake and undergrowth —
	Mountainous land 80,30 chs. —
	October 11, 1901
	October 12: at 7h 45m a.m, l.m.T I set off 40° 35' 30" N. on the lat. arc 7° 15' S. on the decl. arc and determine a true meridian with the solar at the cor. of secs. 2-3-34 and 35 on N. bdy of T 3.
	Thence I run
	West bet. secs. 3 and 34
	Over mountainous land
	Ascending abruptly in dense aspen brake
25,00	Top of mountain ridge bears N. 55° W and S. 55° E. 450 ft. above cor. - Leave brake
	Thence on steep slope and gradual descent
39,86	The 1/4 sec. cor which is a stone firmly set and properly marked but not witnessed. - I raised a mound of stones 2 ft. base 1½ ft. high N of cor.
	Pits impracticable
	This cor. stands on steep S. Slope at head of gulch draining S. E. - ascending
40,50	Top of ridge bears N. and S.
	Begin abrupt descent
59,00	Bottom of gulch drains S 20° E to S. E. 230 ft. below ridge ascending
74,96	The cor. of secs. 33 and 34 as heretofore described in "Book J".
	Land Mountainous — Soil gravely and rocky 3rd rate
	Timber aspen and scattering pine — Mountainous land 74.96 chs.

Resurvey of N. bdy. T 3 S R 4 E

Claim S. 87°53' W. bet. secs. 4 and 33
Over mountainous land
Ascending gradually W.
8.15 The closing cor. of secs. 3 and 4 set by me October 8, 1900
8.20 Old road bears N. and S. on top of plateau sloping S.
6.55 Enter aspen brake and begin gradual descent
12.30 Bottom of hollow drains S. 20° W. 57 ft. deep.
Begin abrupt ascent
19.40 Top of spur runs parallel with hollow 100 ft. above same
Descend steep slope
35.10 Enter aspen brake bears N. and S.
40.70 The 1/4 sec. cor. which is a stone firmly set marked and witnessed as described by the surveyor general
47.24 Old wood road bears N. and S.
4.60 Enter bottom of gulch draining S. 450 ft. below spur and dense willow brush
48.22 Stream 3 lks. wide flows S.
5.00 Begin ascent, leave gulch and willow brush
Enter aspen timber course N. and S.
77.09 Top of spur runs S. 30° E. 100 ft. above gulch.—
Descending
81.52 The cor. of secs. 4-5-32 and 33 which is a tree properly marked and witnessed as described by the surveyor general
This cor. stands on S.W. slope 60 ft. below spur
Land mountainous
Soil gravely wash 3rd rate
Timber aspen of small size and dense growth
Dense brush of willow and aspen
Mountainous land 81.52 chs.—
Octob. 12 At this cor. I set off 7°20' S. in the dec. ave. and at 11h 47m a.m. I observe the sun on the meridian the resulting lat. is 40°35'00" N.

S. 87°53' W. bet. secs. 5 and 32
Over mountainous land—
Descending in aspen timber
6.72 Dist. 4 chs. with flow S.E. enter open gulch
[illegible] Old road bears N. and S.
[illegible] [illegible] in hollow
[illegible] White Pine Creek 12 chs. wide course S.E. in open gulch

Resurvey of N. bdy. T 3 S R 4 E

Chains	
	Begin gradual ascent.
40.28	The 1/4 sec. cor. which is a stone firmly set marked and witnessed as described by the surveyor general. —
	Thence ascending on broken slope
81.26	The cor. of secs. 5-6-31 and 32 which is a stone firmly set marked and witnessed as described by the surveyor general
	This cor. stands on top of spur running N. 30° E. and 300 ft. above gulch. —
	Land mountainous
	Soil gravelly and rocky 3rd rate
	No timber. —
	Dense aspen brake and willow brush
	Mountainous land 81.26 chs. —
	S. 87° 45' W. bet. secs. 6 and 31
	Over mountainous land
2.00	Begin descent
6.55	Drag road runs N and S
10.75	Head of hollow draining N. 30° E and stream from ditch 6 lks. wide, 60 ft. below spur
	Ascending broken slope in scattering timber course N. and S.
40.08	The 1/4 sec. cor. which is a pine tree properly marked and witnessed as described by the surveyor general
46.00	Top of spur runs N. 200 ft. above sec. cor.
	Descending
49.90	Spring branch 3 lks. wide flows N. in hollow 40 ft. deep. — Ascending gradually
50.60	Entire rock slide
60.00	Begin abrupt ascent course N.W. and S.E.
80.00	Top of ridge course S. 70° E and S. 85° W. 600 ft. above hollow. —
	Thence near top of ridge
82.54	The closing cor. of Tps. 3 S R 3 and 4 E set by me October 1. 1901
83.00	Begin gradual descent in N. slope
98.50	The closing cor. of Tps. 2 and 3 S. R. 4 E. as heretofore described. —

Resurvey of N bdy of T 3 S R 4 E

Land mountainous
Soil rocky and gravely 4th rate
Timber pine of good size but thin scattering growth.
Mountainous land 98.50 chs.
October 12. 1901

For General description see survey of W. boundary of this Tp Book "H."

Andrew P Hanson
U.S. Deputy Surveyor

IN REPLY REFER TO:
6.05a

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
WASHINGTON 25, D. C.

June 11, 1962

Memorandum

To: State Director, Salt Lake City, Utah

From: Chief, Division of Engineering

Subject: Supplemental plat canceled - Utah E:OPD

We are in receipt of your memorandum of May 8 requesting the cancellation of the supplemental plat of Sec. 16, T. 3 S., R. 4 E., S. L. M., Utah, accepted by this office on December 3, 1959, prepared to show the segregation in the SW¼ and W½SE¼ Sec. 16 of Mineral Survey No. 5596 resulting in fractional lots 1, 2, and 3. This plat was prepared upon the request of the Lands and Minerals Office, Salt Lake City, based on the premise that the mining claims within said mineral survey were patented and therefore would not pass to the State under the Act of July 14, 1894.

Upon subsequent examination of your records it is found that the above mining claims were never patented and that title to all of Sec. 16 vested in the State on June 22, 1903, preceding the location date of the mining claims.

In view of the circumstances in the case, the supplemental plat in question is hereby canceled. Appropriate notations to this effect have been placed on our records and it is requested that your records be similarly noted.

This action is being taken reluctantly by this office in view of the fact that the plat has been of record for several years.

C. E. REMINGTON

Div. of ENG'G USO

Rt.	Br.	Initial	Date
	Chief	OKU	6/15
2	Cad.		
	D&C		
1	Cart.		
	Comm.		
Action			
Info.	1 - 2		
File			
Remarks			

BLANK

PAGE

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by Andrew P Stanson, United States Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the resurvey of S. bdy. T. 3 S. R. 6 E. - S. E. and N. bdys. T. 3 S. R. 5 E. and S. E. and N. bdys. T. 3 S. R. 4 E. showing the respective capacities in which they acted:

D F Clark, *Chainman.*
B. R. Lawrence, *Chainman.*
D F Clark, *Moundman.*
Alfred Carlson, *Moundman.*
B R Lawrence, *Axman.*
Thos Lawrence Jr., *Axman.*
Alfred Carlson, *Flagman.*

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted Andrew P Stanson, United States Deputy Surveyor, in surveying all those parts or portions of the S. bdy T. 3 S. R. 6 E. - S. E. and N. bdys T. 3 S. R. 5 E. and S. E. and N. bdys T. 3 S. R. 4 E.

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

D F Clark, *Chainman.*
B. R. Lawrence, *Chainman.*
D F Clark, *Moundman.*
× Alfred Carlson *Moundman.*
B. R. Lawrence, *Axman.*
Thos Lawrence Jr., *Axman.*
× Alfred Carlson *Flagman.*

Subscribed and sworn to before me this 13th day of October 1901, ~~189~~

SEAL

Sam Raney
Notary Public

G-151

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, _____, United States Deputy Survey
solemnly swear that, in pursuance of a contract received from _____
United States Surveyor General for _____, bearing date
_____ day of _____, 189 , I have well, faithfully, and truly, in m
proper person, and in strict conformity with the instructions furnished by the United States Su
General for _____, the Manual of Surveying Instructions, and the laws
United States, surveyed all those parts or portions of _____
_____
_____
_____
_____ of the _____
_____ meridian, in the _____ of _____, which are represented
foregoing field notes as having been surveyed by me, and under my direction; and I do further so
swear that all the corners of said survey have been established and perpetuated in strict accordan
the Manual of Surveying Instructions, and the special written instructions of the United States S
General for _____ and in the specific manner described in the field notes, a
the foregoing are the original field notes of such survey; and should any fraud be detected, I wil
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, June 9, 1903

The foregoing field notes of the survey of the South East & North Boun
of Township 3 South Range 4 East of the Salt
Base & Meridian Utah
_____
_____
_____
_____

executed by Andrew P. Hanson
under his contract No. 244, dated April 12, 1901, 189 , havi
critically examined, and the necessary corrections and explanations made, the said field notes,
surveys they describe, are hereby approved.

Edward H. Anderson
United States Surveyor

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

_____
United States Surveyor

6—151

BLANK

PAGE

BLANK

PAGE

4—679.

BOOK P. A-292

H.J.B.

FIELD NOTES

OF THE SURVEY OF THE

South Boundary

of

Township No 1 South Range No 2 East

Of the Salt Lake Base and Meridian,

State of Utah

AS SURVEYED BY

Andrew P Hanson, United States Deputy Surveyor,

Under his Contract No. 244, dated April 12, 1901

Survey commenced June 26, 1902

Survey completed June 29, 1902

6—151

M. Chs. Mrs.

high 3-79-57

closing 4-00

NAMES AND DUTIES OF ASSISTANTS.

Edward L Jones Jr. - - Chainman

Willis B Booter - - Chainman

Edward L Jones Jr. Mound

Harold L Hobbs - - Mound

Willis B Booter - - Axman

Frank Hyde Jr. Axman

Harold L Hobbs Flagman

In preliminary affidavits see book "C" Fr. 2 S R 3.

6—151

Volume

#

R0292

BOOK A-292

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 th
chain over even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; tha
we will report the true distances to all notable objects, and the true lengths of all lines that we assist i
measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey
.....

..... , *Chainma*

..... , *Chainma*

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

SEAL

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

..... , *Moundma*

..... , *Moundma*

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

..... , *Axma*

..... , *Axma*

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

SEAL

I, ..., 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 th
survey of .....

..... , *Flagma*

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

SEAL

South boundary of T.1 S.R.2 E.

chains

Survey commenced June 26, 1902 and executed with a W & L E Gurley light mountain transit with solar attachment. The horizontal limb is provided with two double verniers placed opposite to each other reading to single minutes of arc which is also the least count of the verniers of the latitude and declination arcs. –
The instrument was examined, tested on the true meridian at Salt Lake City found correct and was approved by the surveyor general for Utah April 13. 1901
I examine the adjustments of the transit and and correct the level and collimation errors; then to test the solar apparatus, by comparing its indications, resulting from solar observations made during a.m. and p.m. hours, with a true meridian determined by observations on Polaris I proceed as follows:–
At my permanent camp near the centre of S.E. ¼ of sec. 27 T 1 S. R 2 E. latitude 40° 42' N longitude 111° 42' W. I set off 40° 42' N. on the lat. arc 23° 24' N. on the decl. arc and at 3h 41m p.m., 7.m.t. determine with the solar a true meridian and mark a point thereof on a stake firmly set in the ground 4 chs N. of the instrument. –
At 10h 3m p.m., 7.m.t. – I observe Polaris in accordance with Manual of Instructions and mark a point in the line thus determined on a plug driven in the ground 4 chs. N. of my station

Astron. l.m.t. of obs. June 26 ------	10h 3m
U.C. Polaris June 25 ------	19 0.9
Hour ang. of Polaris at obs. ------	15h 2m.1
Subtract from ------	23 56.1
Time argument for Table II ----	8h 54m.
Azimuth of Polaris at obs. ----	1° 8' E

June 26. 1902

June 27: at 7h a.m., 7.m.t. I lay off the azimuth of Polaris 1° 6' to the west, and mark the True Meridian thus determined by driving a small

South boundary of T. 1 S. R. 2 E.

Chain nail in the stake set June 26
At 7h 30m a.m., l.m.t. I set off 40° 42' N. on the lat. are 23° 22' N. on the decl. arc and mark a point in the true meridian determined with the solar on the stake already set 4 chs. N. of my station.-
An by measurement as well a by plate angle find that the two meridians determined by p.m. and a.m. solar observations respectively, differ by less than 1' of arc from the true meridian determined by Polaris observation; therefor I conclude that the adjustments of the instrument are satisfactory.-
The magnetic bearing of the true meridian at 8h a.m. is N. 17° 10m W.; the angle thus determined reduced by the table page 100 gives the mean mag. decl. 17° 4' E.-

I begin at the cor. of Tps. 1 and 2 S Rs 2 and 3 E. as heretofore described, being a stone firmly set marked and witnessed as described by the surveyor general.-
Thence I run
West on a random line along the S. bdy. of Tp. 1 S. R. 2 E. setting temp. 1/4 sec. and sec. cors. at intervals of 40.00 chs. and at 320.00 chs. make a persistent search for the cor. of secs. 4-5-32 and 33 as described by the surveyor general but find no trace of it and conclude it will be necessary to establish by resurveys: I therefor set a temporary cor. at this point to mark the line for further reference.-
June 27, 1902

June 28: Having properly reestablished the cor. of secs. 4-5-32 and 33 as described under resurveys S. bdy this Tp. I now find my temporary cor. set June 27 bears N. 4.00 chs and W. 43 chs. the lenght of my random line would therefor be 319.57 chs. and the falling 4.00 chs N. of the cor. of secs 4-5-32 and 33 which is beyond the limit.
Thence I run

South boundary of T 1 S R 2 E

chains	
	East on a true line bet. secs. 4 and 33
	Over mountainous land
	Ascending, in dense undergrowth — on cliff, N. slope
4.00	Top of spur runs N. 85 ft. above cor. Descend
21.50	Head of hollow drains N. 16° E. 300 ft. below spur
	Ascending
34.60	Top of spur runs N. 250 ft. high. — Descend
39.57	Set a quartzite stone 18×8×6 ins. 12 ins. in the ground for 1/4 sec. cor. marked 1/4 on N. face; raised a mound of stones 2 ft. base 1½ ft. high
	N. of cor. Pits impracticable
57.40	Bottom hollow drains N. 25° W. 385 ft. below spur
	Ascending
70.30	Top of sharp ridge bears N. 25° E. and S. 60° W. 540 ft. above hollow
	Begin abrupt descent in breaks and cliffs
79.00	Leave breaks course N. & and S.W.
79.57	Set a limestone 18×8×6 ins. 12 ins. in the ground for cor of secs. 3-4-33 and 34 marked with 3 notches on E and W. edges; raised a mound of stones 2 ft. base 1½ ft. high W. of
	Cor. Pits impracticable
	This cor. 360 ft. below top of ridge
	Land Mountainous
	Soil rocky and gravelly 4th rate
	Timber a few pine and mountain mahoganey scattering. —
	Dense oak and maple brush in patches
	Mountainous land 79.57 chs. —
	June 28, 1902

June 29: At 7 45 a.m. I set off 40° 41' N. on the lat. arc 23° 17' N. on the decl arc and determine a true meridian with the solar at the cor. of secs. 3-4-33 and 34

Thence I run

East bet. secs. 3 and 34

Over mountainous land

Descending abruptly, in dense undergrowth

29.40	Hollow drains N. 60° E. 475 ft. below cor.
	Ascending gradually to

South boundary of T. 1 S. R. 2 E.

Chains	
40.00	Set a limestone 18×10×5 ins. 12 ins. in the ground for 1/4 sec. cor. marked 1/4 on N. face; raised a mound of stones 2 ft. base 1½ ft. high N. of cor. Pits impracticable
	This cor. stands on top of spur running N. 100 ft. high. — Descend
41.75	Drag road bears about N. and S.
49.60	Wood road bears N. and S.
50.10	South Fork of Mill Creek flows N. 15° W. 3 chs. wide in bottom of gulch 120 ft. below spur
	Begin abrupt ascent
80.00	Set a limestone 28×10×8 ins. in a mound of stones 3 ft. base 2 ft. high for cor. of secs. 2-3-34 and 35 marked with 2 notches on E. and 4 notches on W. edges; raised a mound of stones 2 ft. base 1½ ft. high W. of cor. Pits impracticable
	This cor stands on a level limestone ledge 10×6 ft. under a cliff projecting from the North and 960 ft. above the stream. —
	Land mountainous
	Soil rocky and gravely 4th rate
	Timber, a few pine and mountain mahogany scattering. —
	Dense maple, thorn and oak undergrowth —
	Mountainous land 80.00 chs. —
	East bet. secs. 2 and 35
	Over mountainous land
	Ascending in limestone breaks on S.W. slope
5.00	Top of sharp ridge bears N. 65° W. and S. 65° E. 60 ft. above cor. —
	Begin descent in dense underbrush, N.E. slope
22.00	Head of hollow drains N. 200 ft. below ridge
37.00	Leave dense underbrush, bears N. and S.
40.00	Set a sandstone 17×9×6 ins. 12 ins. in the ground for 1/4 sec. cor. marked 1/4 on N. face from which
	A low pine tree 4 ins. diam. bears N. 25° 26' W. 0.3 chs. dist. marked 1/4 S. 35 B.T. — no other trees within limit. — Raised a mound of stones 2 ft. base

South boundary of T. 1 S. R. 2 E.

Chains 1½ ft. high N. of cor. Pits impracticable
47.00 Top of spur runs N. 15° W. 250 ft. above hollow
Descending on N.E. slope
55.40 Bottom of gulch drains N.W. 70 ft. below spur
Begin abrupt ascent
75.20 Top of spur runs N. 10° W. 380 ft. above gulch
Descending abruptly
80.00 Set a sandstone 18×9×6 ins. 12 ins. in the ground
for cor. of sec. 1-2-35 and 36 marked with
1 notch on E. and 5 notches W. edges; raised
a mound of stones 2 ft. base 1½ ft. high W. of
cor. Pits impracticable
Thin cor. stands on E. slope 110 ft. below spur
Land mountainous
Soil gravelly and rocky 3rd rate
Timber a few pine and mountain mahogany scattering
Dense maple aspen and willow undergrowth –
Mountainous land 80.00 chs. –
June 29: The sky being overcast during the
noon hour I was unable to observe the sun on
the meridian. –

East bet. sec. 1 and 36
Over mountainous land
Descending abruptly
3.00 Enter timber, course N and S.
18.50 Bottom of gulch bears N. and S. thence on gradual
descent to
25.06 Dry wash drains N. 680 ft. below cor.
Ascending gradually to
27.60 Begin abrupt ascent on rocky slope
38.10 Top of steep slope and rocky spur running N
15° W. 250 ft. above gulch
Thence on N. slope and gradual ascent to
40.00 Set a quartzite stone 18×9×6 ins. 12 ins. in the
ground for 1/4 sec. cor. marked 1/4 on N face
from which
A pine tree 9 ins. diam. bears S. 85° 45' E. 70 lks.
dist. marked 1/4 S. 1 B.T.
no other trees within limit. –
Raised a mound of stones 2 ft. base 1½ ft. high

South boundary of T. 1 S.R. 2 E.

Chains	
	N. of cor. Pits impracticable
59.15	Top of spur runs N. 150 ft. above 1/4 sec. cor.
	Descending abruptly
78.50	Bottom of gulch drains N. 460 ft. below spur
	Ascending to
80.00	Intersect W. bdy. of T 2 S R 3 E 4.00 chs S. of cor. of Tps. 1 and 2 S Rs 2 and 3 E.
	Set a quartzite stone 18 x 10 x 6 ins. 12 ins in the ground for closing cor. of Tps. 1 and 2 S Rs 2 E.
	marked C.C.2E. on W. 1S. on N. and 2S. on S faces with 6 groves on N. S. and W. faces, raised a mound of stones 2 ft. base 1½ ft. high W. of cor.
	Pits impracticable
	Land mountainous
	Soil gravely and rocky 3rd and 4th rate
	Timber pine and aspen of good quallity but thin growth.—
	Mountainous land 80.00 chs
	Destroy marks on old cor that pertains to Range 2 East
	June 29. 1902

This township is all mountainous land very broken and rugged.— It is well watered and has a few bunches of good pine timber The township should be subdivided.—

Andrew P Hanson
U.S. Deputy Surveyor

BLANK

PAGE

BLANK

PAGE

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by Andrew P. Adamson, 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 S. and W. bdys. of Tp. 2 S. R. 3 E. and S. bdy. of Tp. 1 S. R. 2 E. showing the respective capacities in which they acted:

Edward L. Jones Jr., Chainman.
Willis B. Booth, Chainman.
Edward L. Jones Jr., Moundman.
Harold L. Hobbs, Moundman.
Willis B. Booth, Axman.
Frank Hyde Jr., Axman.
Harold L. Hobbs, Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted Andrew P. Adamson, United States Deputy Surveyor, in surveying all those parts or portions of the South and West boundaries of Tp. 2 S. R. 3 E. and South boundary of Tp. 1 S. R. 2 E. of the Salt Lake Base and meridian, State of Utah, which are represented in the foregoing field notes as having been surveyed by him and under his direction; and that said survey has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the corner monuments established, according to the instructions furnished by the United States Surveyor General for Utah.

Edward L. Jones Jr., Chainman.
Willis B. Bootes, Chainman.
Edward L. Jones Jr., Moundman.
Harold L. Hobbs, Moundman.
Willis B. Bootes, Axman.
Frank Hyde Jr, Axman.
Harold L. Hobbs, Flagman.

Subscribed and sworn to before me this 12th day of July, 1902.

SEAL

Liam Raney
Notary Public

6—151

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, Andrew P. Hanson, United States Deputy Surveyor, d
solemnly swear that, in pursuance of a contract received from Edward H. Anderson
United States Surveyor General for the State of Utah, bearing date of th
12th day of April 1901, No , I have well, faithfully, and truly, in my ow
proper person, and in strict conformity with the instructions furnished by the United States Survey
General for the State of Utah, the Manual of Surveying Instructions, and the laws of th
United States, surveyed all those parts or portions of the E & W Boundaries T 3 S R 6 E
W Boundary T 3 S R 4 E S & W Boundaries T 2 S R 3 E and the
S Boundary T 1 S R 2 E

of the Salt Lake
Base and meridian, in the 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 the State of Utah, and in the specific manner described in the field notes, and th
the foregoing are the original field notes of such survey; and should any fraud be detected, I will suff
the penalty of perjury under the provisions of an Act of Congress approved August 8, 1846.

Andrew P. Hanson
United States Deputy Survey

Subscribed by said Andrew P. Hanson and sworn to before me
this 17th day of October 1902, 189

Edward H. Anderson
U. S. Surveyor General for the State of U

SEAL

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, June 9, 1903 No

The foregoing field notes of the survey of the South Boundary of
Township 1 South Range 2 East of the Salt Lake
Base & Meridian, Utah

executed by Andrew P. Hanson
under his contract No. 244, dated April 12, 1901, No , having be
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 Gener

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

United States Surveyor Gener

BLANK

PAGE

BLANK

PAGE

4—679.

9

BOOK A-292

FIELD NOTES

OF THE Re SURVEY and Retracement OF THE

K.J.B.

South East & West Boundaries

of

Township No 1 South Range No 2 East

Of the Salt Lake Base and Meridian,

State of Utah

AS SURVEYED BY

Andrew P Hanson, United States Deputy Surveyor,

Under his Contract No. 244, dated April 12, 1901

Survey commenced June 28, 1902

Survey completed July 12, 1902

6—151

		m.	ch.	lks.
Resurvey	S. Bdry. high	2	00	00
Retracement	E. Bdry.	3	78	88
do	W. do	1	09	30

5.08.18

NAMES AND DUTIES OF ASSISTANTS.

Edward L Jones Jr. – Chainman

Willis B Booter – – "

Edward L Jones Jr. – Moundman

Harold L Stobbs – – "

Willis B Booter – – Axman

Frank Hyde Jr. "

Harold L Stobbs – Flagman

For preliminary affidavits see book M.J. 25 R 3 E

6—151

BOOK A-292

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 th
chain over even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; tha
we will report the true distances to all notable objects, and the true lengths of all lines that we assist i
measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey o

.....

..... *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 establishmen
of corners, according to the instructions given us, to the best of our skill and ability, in the survey o

.....

..... *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 corner
and other duties, according to instructions given us, to the best of our skill and ability, in the survey o

.....

..... *Axman.*

..... *Axman.*

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

SEAL

.....

.....

I, ..., do solemnly swear that I will well and 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

Resurvey, south boundary T. 1 S. R. 2 E.

Claim Survey commenced June 28, 1902 and executed with a W & L E Gurley light mountain transit with solar attachment: The horizontal limb is provided with two double verniers placed opposite to each other reading to single minutes of arc which is also the least count of the verniers of the latitude and declination arcs.
The instrument was examined, tested on the true meridian at Salt Lake City, found correct and was approved by the Surveyor General for Utah April 13, 1901
Note: Having made a complete test of the adjustments of instrument June 27, as described at beginning of survey of S. bdy. of this Tp., the preceeding Book, reference to which is hereby made I consider it unnecessary to repeat the test at this time being confident the adjustments remain correct.—

Having run West on a random line line along the S. bdy. of T. 1 S. R. 2 E. to the vicinity of cor. of secs. 4-5-32 and 33 and failed by carefull search to find any trace of this cor. as described under survey of S. bdy. of this Tp. it becomes necessary to retrace the surveyed part of this line in order to locate said cor.—
I therefor run West on a blank line along S. bdy. of sec. 32 but find no trace of either the 1/4 sec cor. nor the cor. of secs. 5-6-31 and 32 and continuing west I find no trace of the 1/4 sec. cor. on S. bdy of sec. 31 nor can I locate or get any information about the cor. of T. 1 and 2 S. R. 1 and 2 E. but finding the cor. of secs. 1-2-35 and 36 on S. bdy. of T. 1 S. R. 1 E. in good preservation and fully identified I begin at said cor. and run East on a retracement line bet. secs. 1 and 36 and at 81.50 chs. discover the original cor of Tps. 1 and 2 S. Rs 1 and 2 E which is a stone firmly set marked and witnessed as described by the surveyor general, but covered with wash and

Chains	
	debris, which I remove. Thence I make the the following reserveys.—
	East bet. secs. 6 and 31
	Over mountainous land
	Ascending abruptly, in dense oak brush
40.00	Set a quartzite stone 18×8×6 ins. 12 ins in the ground for 1/4 sec. cor. marked 1/4 on N. face
	from which
	A mountain mahogany tree 5 ins. diam. bears N. 45° 49' E. 34 lks. dist. marked 1/4 S 31 B.T.
	A mountain mahogany tree 6 ins. diam. bears S. 61° 58' W. 23 lks. dist. marked 1/4 S. 6 B.T.
	Raised a mound of stones 2 ft. base 1½ ft. high N. of cor
	No trace of old cor. could be found
56.25	Top of sharp spur runs N.W. 1100 ft. above Tp. cor.
	Thence along very steep N. slope
59.70	Begin descent
63.00	Head of hollow drains N. 140 ft. deep. Ascending
70.15	Top of sharp spur runs N. 120 ft. above hollow
	Descending
78.60	Head of hollow drains N. 100 ft. deep.
	Ascending
80.00	Set a quartzite stone 18×12×5 ins. 12 ins. in the ground for cor. of secs. 5-6-31 and 32 marked with 5 notches on E. and 1 notch on W. edge; raised a mound of stones 2 ft. base 1½ ft. high W. of cor.
	Pits impracticable
	From cor. point a mark ⊕ on a hard quartzite ledge facing N. bears. S. 50° E. 6 lks. dist
	A diligent search failed to disclose any trace of original cor.—
	Land mountainous
	Soil rocky and gravelly 4th rate
	Timber, a few pine and mountain mahogany scattering.—
	Mountainous land 80.00 chs.—
	June 28: At this cor. I set off 23° 19' N. on the decl. arc and at 12h 43m p.m., l.m.t. observe the sun on the meridian: the resulting lat. is 40° 41' N.
	East bet. secs. 5 and 32

Resurvey S. bdy. T. 1 S. R. 2 E.

chains	
	Over mountainous land
	Ascending steep slope, in scattering timber
9.57	Top of sharp spur runs N. 160 ft. above cor.
	Descending broken slope
25.00	Bottom of hollow draining N. 240 ft. below spur
	Ascending abruptly
37.20	Top of spur running N. 290 ft. above hollow. –
	Descending
40.00	Set a quartzite stone 17×9×6 ins. 11 ins. in the ground for 1/4 sec. cor. marked 1/4 on N. face; raised a mound of stones 2 ft. base 1½ ft. high N. of cor. Pits impracticable. –
	A diligent search failed to disclose any trace of the original cor.
	June 28: At this cor. I set off 40° 41' N. on the lat. arc 23° 19' N. on the decl arc and at 2h 10m p.m. l.m.t. determine a true meridian with the solar. –
60.50	Head of gulch draining N.W. 300 ft. below spur
	Ascending to
80.00	Set a quartzite stone 18×10×5 ins. 12 ins. in the ground for cor. of secs. 4-5-32 and 33 marked with 4 notches on E. and 2 notches on N. edges; raised a mound of stones 2 ft. base 1½ ft. high N. of cor. Pits impracticable
	This cor. stands 380 ft. above gulch
	A diligent search failed to disclose any trace of the original cor.
	Land mountainous
	Soil gravely and rocky 4th rate
	Timber pine and mahogany scattering
	Mountainous land 80.00 chs. –
	June 28. 1902

June 30: At 7h 12m a.m. l.m.t. I set off 40° 41' N. on the lat. arc 23° 14' N. on the decl. arc and determine a true meridian with the solar at the cor. of Tps. 1 and 2 S R 3 E. as heretofore described, thence

Preliminary to commencing the subdivision of this Tp. I run north on a blank

Retracement E. bdy T. 1 S. R. 2 E.

Chains retracement line bet. secs. 31 and 36; at 40.66 chs. the 1/4 sec. cor. bears E. 9 lks. dist. it being a stone firmly set marked and witnessed as described by the surveyor general: at 81.28 chs. the cor. of secs. 25-30-31 and 36 bears E. 19 lks. dist. being a stone firmly set marked and witnessed as described by the surveyor general.- I find the true course of this line is therefor N. 0° 8' E.

North on a blank line bet. secs. 25 and 30:
At 40.64 chs. the 1/4 sec. cor. bears E. 10 lks. being a stone firmly set marked and witnessed as described by the surveyor general; at 81.40 chs. the cor. of secs. 19-24-25 and 30 bears E. 9 lks. dist. being a stone firmly set marked and witnessed as described by the surveyor general.-
I find the true course of this line is N. 0° 4' E.
June 30: at this cor. I set off 23° 13' N. on the decl arc and at 12h 30m p. m., l. m. t.- observe the sun on the meridian: the resulting lat. is 40° 42' 35" N. —

North on a blank line bet. secs. 19 and 24
At 40.64 chs. the 1/4 sec. cor. bears E. 9 lks. being a stone firmly set marked and witnessed as described by the surveyor general: at 81.30 chs. the cor. of secs. 13-18-19 and 24 bears E. 14 lks. dist. being a stone firmly set marked and witnessed as described by the surveyor general.-
And I find the true course of this line is N. 0° 6' E.
June 30, 1902

July 11: In order to make proper closing of sec. 13. I go to the cor. of sec. 12 and 13 on E. bdy of Tp. 1 S. R. 2 E. as heretofore described and run south on a blank, retracement line bet. secs. 13 and 18: at 74.90 chs. the cor. of secs. 18 and 19 as heretofore described bears W. 20 lks. which falling answer to a course of S. 0° 9' W. —
July 11. 1902

July 12: To make a proper closing of sec. 19 it

Retracement of W. Bdy. T. 1 S. R. 2 E.

becomes necessary to retrace the older surveys in order to locate the error, therefor
From the cor. of secs. 19-24-25 and 30 on W. bdy of Tp. as heretofore described I run.—
North on a blank retracement line bet. secs. 19 and 24.— At 40.00 chs. the ¼ sec. cor. bears W. 20 lks. dist. being a stone firmly set marked and witnessed as described by the surveyor general.— At 89.60 chs. the cor. of secs. 18-18-19 and 24 bears W. 44 lks. dist. being a stone firmly set marked and witnessed as described by the surveyor general.—
The course of this line is therefor N 0° 17' W

July 12-1902

Boundaries of T. 1 S R 2 E
Latitudes departures and closing errors

Line Designated	True bearing	Distance chs.	Latitudes N chs.	Latitudes S chs.	Departures E chs.	Departures W chs.
South boundary	East	479.57			479.57	
East "	North	4.00	4.00			
" "	N. 0° 8' E.	81.28	81.28		.19	
" "	N 0° 4' E	81.40	81.40		.09	
" "	N 0° 6' E	81.30	81.30		.14	
" "	N 0° 9' E	74.90	74.90		.20	
N. bdy. Sec. 13	N 89° 9' W	81.84	1.20			81.33
" " " 14	N. 88° 56' W	81.60	1.51			81.58
" " " 15	N 88° 58' W	81.72	1.47			81.70
" " " 16	N 88° 54' W	40.70	.78			40.69
" " " "	N 87° 2' W	40.60	2.10			40.54
" " " 17	S 89° 38' W	74.66		.50		74.66
W " " 17	South	80.00		80.00		
N " " 19	N 89° 57' W	80.00	.21			80.00
W " of Tp (Sec. 19)	S 0° 17' E	89.30		89.30	.44	
" " " " (Secs. 30 & 31)	South	160.00		160.00		
Convergency - - - - - - - -			- - -	- - -	- - -	.31
Totals - - - - - - - -			330.15 329.80	329.80	480.63	480.81 480.63
Errors of Lat. - - - - - - - - - -			0.35		Dep. - -	0.18

General Description

For general description see field notes of S bdy. of this

Resurvey and retracement S. E and W Bdy. T. 1 S. R. 2 E.

Tp. - Book "P."

Andrew P Stanton
U S Deputy Surveyor

Volume
#
R0292

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by Andrew P. Hansen, United States Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the re survey of S. E. and N. bdys T. 2 S. R. 3 E. - S. bdy. of T. 1 S. R. 2 E. and retracement of E. & W. bdy T. 1 S. R. 2 E. showing the respective capacities in which they acted:

Edward L. Jones Jr., Chainman.
Willis B. Booter, Chainman.
Edward L. Jones Jr., Moundman.
Harold L. Hobbs, Moundman.
Willis B. Booter, Axman.
Frank Hyde Jr., Axman.
Harold L. Hobbs, Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted Andrew P. Hansen, United States Deputy Surveyor, in re surveying all those parts or portions of the S. E. and N. bdys T. 2 S. R. 3 E. - S. bdy. of T. 1 S. R. 2 E. and retracement of E. & W. bdy. T. 1 S. R. 2 E.

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

Edward L. Jones Jr., Chainman.
Willis B. Booter, Chainman.
Edward L. Jones Jr., Moundman.
Harold L. Hobbs, Moundman.
Willis B. Booter, Axman.
Frank Hyde Jr., Axman.
Harold L. Hobbs, Flagman.

Subscribed and sworn to before me this 12th day of July, 1902

SEAL

Sam Raney
Notary Public

2-151

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, Andrew P. Hanson, United States Deputy Surveyor, solemnly swear that, in pursuance of a contract received from Edward H. Anders United States Surveyor General for the State of Utah, bearing date of 12th day of April 1901, ~~189~~, I have well, faithfully, and truly, in my o proper person, and in strict conformity with the instructions furnished by the United States Surve General for the State of Utah, the Manual of Surveying Instructions, and the laws of United States, re surveyed all those parts or portions of the S Bdy T3S R6E - S E & N B T3S R5E - S E & N Bds T3S R4E - S E & N Bds T2S R3 and the resurvey & retracement of the S W E Bds of T1S R2E

of the Salt Lake Base and meridian, in the State of Utah, which are represented in foregoing field notes in book B E K M & Q as having been re surveyed or retraced by me, and under my direction; and I do further solem swear that all the corners of said re survey have been established and perpetuated in strict accordance w the Manual of Surveying Instructions, and the special written instructions of the United States Surve General for the State of Utah and in the specific manner described in the field notes, and t the foregoing are the original field notes of such re survey; and should any fraud be detected, I will su the penalty of perjury under the provisions of an Act of Congress approved August ~~8,~~ 1846.

Andrew P. S.
United States Deputy Surve

Subscribed by said Andrew P. Hanson, and sworn to before me this 9th day of December 1902, ~~189~~

Edward H. Anderson
U. S. Surveyor General for the State of Utah

SEAL

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah June 9 1903,

The foregoing field notes of the re survey & retracement of the South West East Boundaries of Township 1 South Range 2 East of the Salt Lake Base & Meridian, Utah

executed by Andrew P. Hanson under his contract No. 244, dated April 12 1901, ~~189~~, having b critically examined, and the necessary corrections and explanations made, the said field notes, and re surveys & retracements 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 Gene

6—151

BLANK

PAGE

BLANK

PAGE

4—679.

R.

BOOK A-292

J.B.

FIELD NOTES

OF THE SURVEY OF THE

Subdivision Lines

of

Township No 1 South: Range No 2 East

Of the Salt Lake Base and Meridian,

State of Utah

AS SURVEYED BY

Andrew P Hanson, United States Deputy Surveyor,

Under his Contract No. 244, dated April 12, 1901

Survey commenced July 1, 1902

Survey completed July 11, 1902

6—151

m. chs lks -
high 25 - 34 - 28
drainage - 40.99

NAMES AND DUTIES OF ASSISTANTS.

Edward L. Jones Jr. — Chainman

Willis B. Booth — Chainman

Edward L. Jones Jr. — Moundman

Harold L. Hobbs — Moundman

Willis B. Booth — Axman

Frank Hyde Jr. — Axman

Harold L. Hobbs — Flagman

In preliminary officer's calculation. T.25 R.3 E.

6—151

BOOK A-292

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.....

C—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; 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
.....

..... , *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 establishm
of corners, according to the instructions given us, to the best of our skill and ability, in the survey
.....

..... , *Moundm*

..... , *Moundm*

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

SEAL

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

..... , *Axm*

..... , *Axm*

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

SEAL

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

..... , *Flagm*

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

SEAL

Subdivision of T.1 S.R.2 E.

Chains	Survey commenced July 1, 1902 and executed with a W. & L.E. Gurley light mountain transit with solar attachment.- The horizontal limb is provided with two double verniers placed opposite to each other, reading to single minutes of arc: which is also the least count of the verniers of the latitude and declination arcs.- The instrument was examined, tested on the true meridian at Salt Lake City found correct and was approved by the Surveyor general for Utah April 13, 1901.-
	July 1: I return to the meridian established June 27 from Polaris at my camp near the centre of the S.E. 1/4 of sec 27 T.1 S.R.2.E. as described under survey of S. bdy. of this Tp. Book P. reference to which is hereby made, and at 7h 54m a.m, l.m.t set off 23°10' N. on the decl. arc and test the adjustments of my solar. finding it gives the same meridian as before wherefor I consider the adjustments satisfactory and conclude it is unnecessary to make further tests at this time.-
	I begin at the cor. of secs. 1-2-35 and 36 on S. bdy. T.1 S.R.2 E. as heretofore described
	Thence I run
	N.0°1' W. bet. secs. 35 and 36
	Over mountainous land
	Descending abruptly on N.E. slope
6,00	Enter timber bears N.W. and S.E.
40,00	Set a limestone 16 x 8 x 6 ins. 11 ins. in the ground for 1/4 sec. cor. marked 1/4 on W. face from which
	A pine tree 6 ins. diam. bears S. 56°19' W. 22 lks dist. marked 1/4 S. 35 B.T.
	A pine tree 5 ins. diam. bears S 41°48' E. 26 lks dist. marked 1/4 S. 36 B.T.
49,50	Head of hollow drains N.60° E. 820 ft. below sec. cor.
	Ascending gradually to
53,30	Top of 60 ft. high runs E.- Descending

Subdivision of T 1 S R 2 E

Chains

56.70 Hollow drain E. 65 ft. below spur - Ascending

63.50 Top of spur runs N. 60° E. 50 ft. high - Descending

80.00 Set a sandstone 16×7×6 in. 11 in. in the ground for cor. of secs. 25-26-35 and 36 marked with 1 notch on S. and E. edges from which

A pine bee 6 in. diam bears N. 48° 50' E. 11 lks. dist. marked T 1 S R 2 E S 25 B.T.

A willow tree 3 in. diam. bears N 12° 0' W. 18 lks. dist marked T. 1 S. R. 2 E. S. 26 B.T.

A willow tree 6 in. diam. bears S. 19° 45' W. 19 lks. dist. marked T 1 S R 2 E S 35 B.T.

A pine tree 6 in. diam bears S. 64° 28' E. 24 lks. dist. marked T. 1 S. R. 2 E. S. 36 B.T.

This cor. stands 330 ft. below spur

Land mountainous

Soil gravelly wash 3rd rate

Timber pine and aspen of fair quality

Mountainous land 80.00 chs. -

East on a random line bet. secs. 25 and 36

40.00 Set limp. 1/4 sec. cor.

80.24 Intersect E. bdy. of Tp. 5.25 chs. S. 0° 8' W. of cor. of secs. 25-30-31 and 36 as heretofore described

Set a limestone 18×10×8 in. 12 in. in the ground for closing cor. of secs. 25 and 36 marked C.C. on W face with 1 grove on S. and 5 groves on N faces; raised a mound of stones 2 ft. base 1½ ft. high W. of cor. Pits impracticable and remove markings from cor. of secs. 25-30-31 and 36 referring to secs. 25 and 36

Thence S. run. on true line

West bet. secs. 25 and 36

Over mountainous land

Ascending, in dense oak and maple brush

.30 Top of spur runs S. 10° W. - Descending

4.35 Bottom of hollow drains S. 20° W. 60 ft. deep. Ascending

12.70 Top of spur runs S. 90 ft. high. - Descend -

25.55 Bottom of hollow drains S 160 ft. below spur ascending 4

Subdivision of T. 1 S. R. 2 E.

chains

30,30 Top of spur runs S. 40 ft. high. - Descend

40,12 Set a slate stone 18×11×10 inc. 12 inc. in the ground for 1/4 sec. cor. marked 1/4 on N. face; from which
A maple tree 4 in. diam. bears N. 40° 0' W 2 lks. dist. marked 1/4 S. 25 B.T.
A maple tree 4 in. diam. bears S 5° 30' W. 2 lks. dist. marked 1/4 S 36 B.T.

54,95 Mill Creek 16 lks. wide flows N. 60° W. in bottom of gulch 300 ft. below spur

55,70 County road from Salt Lake Valley to head of Canon course parallel with gulch

57,30 Mouth of gulch from S. drains N.
Ascending on N.E. slope :. Enter timber bears N.W.

80,24 The cor. of secs. 25-26-35 and 36
This cor. stands 170 ft. above creek —
Land mountainous
Soil gravelly wash 3rd rate
Timber pine and aspen of small size and dense growth. —
Mountainous land 80,24 chs. —
July 1: At this cor. I set off 23° 9' N. on the decl arc and at 12h 3m A.M. 1 mt observed the sun on the meridian; the resulting lat is 40° 41' 43" N. —

N. 0° 1' W. bet. secs. 25 and 26
Over mountainous land
Descending in timber and dense undergrowth

8,07 County road from Salt Lake Valley to head of Canon bears N. 70° W. and S. 70° E. in bottom of Mill Creek Canon 190 ft. below cor.

10,80 Mill Creek 16 lks. wide flows N. 70° W.
Begin abrupt ascent. - Leave timber course parallel with creek. -

27,00 Stream 2 lks. wide flows S. 25° W. in hollow 20 ft. deep.

40,00 Set a limestone 18×9×6 inc. 12 inc. in the ground for 1/4 sec. cor. marked 1/4 on W. face from which

chains	An aspen tree 6 in. diam. bears N. 8° 30' E. 72 lks. dist. marked 1/4 S. 25 B.T.
	A maple tree 3 in. diam. bears S. 74° 5' W. 31 lks. dist marked 1/4 S 26 B.T.
49.50	Top of ridge bears S.W. and N.E. 600 ft. above creek
	Begin abrupt descent
	Enter timber, bears N.E. and S.W.
80.00	Set a quartzite stone 17×10×7 in. 12 in. in the ground for cor. of secs. 23-24-25 and 26 marked with 1 notch on E. and 2 notches on S. edges. from which
	A beach tree 4 in. diam. bears N. 50° 15' W. 75 lks. dist. marked T. 1 S. R. 2 E. S 23 B.T.
	An aspen tree 5 in. diam. bears N. 4° 48' E. 37 lks. dist. marked T 1 S R 2 E. S 24 B.T.
	An aspen tree 5 in. diam. bears S. 13° 36' E. 34 lks. dist. marked T 1 S R 2 E. S 25 B.T.
	An aspen tree 5 in. diam. bears S. 18° 14' W. 38 lks. dist. marked T 1 S R 2 E. S 26 B.T.
	This cor. stands 475 ft. below ridge
	Land mountainous
	Soil gravely worth 3rd rate
	Timber aspen and a few pine, of small size mainly. — Dense brake and undergrowth — Mountainous land 80.00 chs. —
	East on a random line bet. secs. 24 and 25 —
40.00	Set temp 1/4 sec. cor.
80.40	Intersect E. bdy. of Tp. 6.62 chs. S. 0° 4' W. of cor. of secs. 19-24-25 and 30 as heretofore described
	Set a sandstone 18×8×5 in. 12 in. in the ground for closing cor. of secs. 24 and 25 — marked C.C. on W. face with 2 grooves on S. and 4 grooves on N. faces from which
	An aspen tree 5 in. diam. bears N. 16° 40' W. 33 lks. dist. marked T. 1 S. R. 2 E. S 24 B.T.
	An aspen tree 4 in. diam. bears S 30° 10' W. 25 lks. dist. marked T. 1 S. R. 2 E. S. 25 B.T.
	And destroy all markings on cor. of secs. 19-24-25 and 30 refering to secs. 24 and 25 —
	Thence S rence

chains	West on a true line bet. secs. 24 and 25
	Over mountainous land
	Ascending on broken N.E. slope in brake and scattering trees
16.70	Spring branch 2 lks. wide flows N. 30° E. in hollow 30 ft. deep.
40.20	Set a quartzite stone 18×9×6 ins. 12 ins. in the ground for 1/4 sec. cor. marked 1/4 on N. face; raised a mound of stones 2 ft. base 1½ ft. high N. of cor. Pits impracticable
44.80	Top of divide between Mill Creek Canon and Parley's Creek Canon bears N. 20° W. and S. 20° E. 100 ft. above cor.
	Begin abrupt descent
80.40	The cor. of secs. 23-24-25 and 26
	This cor. stands 160 ft. below divide
	Land mountainous
	Soil gravelly and rocky 3rd rate
	Timber, a few pines trees scattering and aspens of small size. —
	Dense undergrowth —
	Mountainous land 80.40 chs. —
	July 1, 1902

July 2: At 7h 30m a.m. 7.m.t. I set off 40° 2' 30" N. on the lat. arc 23° 6' S. on the decl. arc and determine a true meridian with the solar at the cor. of secs. 23-24-25 and 26

Thence I run

N. 0° 1' W on a random line bet. secs. 23 and 24

40.00 Set temp. 1/4 sec. cor.

84.10 Intersect E. and W. line 90 chs. East of the cor. of secs. 13-14-23 and 24 as reestablished by me this day and described under resurveys of subdivision lines this township Book F. I set a sandstone 16×10×6 ins. 11 ins. in the ground for closing cor. of secs. 23 and 24 marked c.c. on S. face with 1 grove on E. and 5 groves on W. faces; raised a mound of stones 2 ft. base 1½ ft. high S. of cor. Pits impracticable and destroy all markings on cor. of secs. 13-14

chains	
	23 and 24 refering to secs. 23 and 24
	Thence I run
	S 0°1' E on a true line bet. secs. 23 and 24
	Over mountainous land
	Ascending in steep broken W. slope in scattering timber and dense brush
44.10	Set a quartzite stone 18×9×6 in. 12 in. in the ground for 1/4 sec. cor. marked 1/4 on W. face; raised a mound of stones 2 ft. base 1½ ft. high W. of cor. Pits impracticable.—
53.15	Top. ridge and divide between Parleys Canon and Mill Creek Canon course E. and W. 800 ft. above sec. cor.—
	Begin abrupt descent in cliffs and breaks
75.00	Leave breaks bear E and W.
82.45	Stream 2 lks. wide flows S. 25° W. in head of hollow 875 ft. below divide
84.10	The cor. of secs. 23-24-25 and 26
	Land Mountainous
	Soil gravely and rocky 3rd and 4th rate
	Timber pine and aspen, scattering trees in dense rank undergrowth.—
	Mountainous land 84.10 chs.—
	July 2. 1902

July 3: at 7h 12m a.m. p.m.t. I set off 40°43'30" N. on the lat. arc 23°2' N. on the decl. arc and determine a true meridian with the solar at the closing cor. of secs. 23 and 24

	Thence I run
	East on a random line bet. secs. 13 and 24
40.00	Set temp. 1/4 sec. cor.
80.48	Intersect E. bdy. of Tp. 3.80 chs. S. 0°6' W. of cor. of secs. 13-18-19 and 24 as heretofore described
	I set a sandstone 18×9×6 in. 12 in. in the ground for closing cor. of secs. 13 and 24 marked C.C. on W. face with 3 grooves on S. and N. faces: raised a mound of stones 2 ft. base 1½ ft. high W. of cor. Pits impracticable —
	And remove all markings from cor. of secs. 13-18-19 and 24 relating to secs. 13 and 24

Subdivision of T. 1 S. R 2 E

chains	
	Thence I run
	West on a true line bet. secs. 13 and 24
	Over mountainous land
	Ascending gradually on N.E. slope in dense
	undergrowth and scattering timber
16.70	Bottom of ravine drains S.20° E 60 ft deep.
29.50	Bottom of hollow drains S. 80° E. 75 ft. deep
40.24	Set a quartzite stone 17×9×6 ins. 11 ins. in the
	ground for 1/4 sec cor. marked 1/4 on N. face; raised
	a mound of stones 2 ft. base 1½ ft. high N. of cor.
	Pits impracticable. –
46.10	Head of hollow drains S.E. – Ascending abruptly
72.00	Top of ridge bears N. and S. 725 ft. above sec. cor.
	Descending abruptly to
80.48	The closing cor. of secs. 23 and 24
	This cor. stands 160 ft. below top of ridge
	Land mountainous
	Soil gravely and rocky 3rd and 4th rate
	Timber scattering pine aspen and mahogany
	Dense aspen maple and oak undergrowth
	Mountainous land 80.48 chs.

	From cor. of secs. 2-3-34 and 35 on S. bdy. of Tp. as
	heretofore described I run
	N. 0° 2' W. bet. secs. 34 and 35
	Over mountainous land
	Ascending rocky slope, in dense undergrowth
0.04	Top of break bears N. 75° W. and S 75° E 10 ft. above cor.
3.75	Top of spur runs N.W. and N. 45 ft. above cor.
	Begin abrupt descent along spur
31.10	Bottom of gulch drains N.W. 660 ft. below spur
	Begin abrupt ascent
39.00	Top of ridge bears N. 65° W. and S. 65° E. 200 ft. above
	gulch. – Descending on N.E. slope
40.00	Set a quartzite stone 17×8×6 ins. 11 ins. in the
	ground for 1/4 sec. cor. marked 1/4 on W. face:
	from which
	An aspen tree 4 ins. diam. bears S 57° 0' E. 22 lks. dist
	marked 1/4 S. 35 B.T.
	An aspen tree 4 ins. diam. bears N. 56° 10' W. 9 lks.
	dist marked 1/4 S. 34 B.T. –

2

Subdivision of T 15 R 2 E

chains

65.30 Stream 3 lks. wide flows N.W. in bottom of gulch 200 ft below ridge.- ascending

76.00 Hollow drain S.60° W 40 ft. deep.

80.00 Set a limestone 16×9×6 inc. 11 inc. in the ground for cor. of sec. 26-27-34 and 35 marked with 1 notch on S. and 2 notches on E. edge: raised a mound of stones 2 ft. base 1½ ft. high W of cor. Pits impracticable

This cor. stands 175 ft. above stream

Land mountainous

Soil gravely wash 3rd rate

No timber.-

Dense undergrowth of aspen maple willow and oak

Mountainous land 8.00 chs.-

July 3: At this cor. I set off 23°0'30" N. on the decl. arc and at 12h 4m p.m. P.M.T. observe the sun on the meridian: the resulting lat is 40°41'30" N

East on a random line bet. secs. 26 and 35

40.00 Set temp. ¼ sec. cor.

80.00 Intersect N. and S. line at cor. of secs. 25-26-35 and 36

Thence I run

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

Over mountainous land

Ascending in broken N.E. slope in dense undergrowth and scattering timber

8.00 Top of spur runs N.15° E. 120 ft. above cor.

Descending

13.15 Bottom of hollow drains N.15° E. 60 ft deep.

Begin abrupt ascent

30.00 Top of ridge bears N.30° W. and S.30° E 475 ft. above bottom.- Leave timber course parallel with ridge

Descending gradually on S.W. slope to

40.00 Set a limestone 18×8×6 inc. 12 inc. 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

80.00 The cor. of secs. 26-27-34 and 35

This cor. stands 200 ft. below top of ridge

Land mountainous

Soil gravely wash 3rd rate

chains	Timber pine and aspen, scattering trees in dense undergrowth of aspen maple willow and oak Mountainous land 80.06 chs —
	West on a random line bet. secs. 27 and 34
40.00	Set limp. 1/4 sec. cor.
79.90	Intersect N. and S. line 5.20 chs. S of cor. of secs. 27 28-33 and 34 which is a stone firmly set marked and witnessed as described by the surveyor general I set a quartzite stone 18×9×5 ins. 12 ins. in the ground for closing cor. of secs. 27 and 34 marked C.C. on E. face with 1 groove on S. and 3 grooves on N. faces; raised a mound of stones 2 ft. base 1½ ft. high E. of cor. Pits impracticable and destroy all markings on cor of secs. 27-28-33 and 34 referring to secs. 27 and 34 Thence I run East on a true line bet. secs. 27 and 34 Over mountainous land Descending in dense undergrowth —
11.86	Wood road runs N.W. and S.E. in bottom of gulch
12.50	South Fork of Mill Creek, 4 links wide flows N.W. 100 ft. below cor. —
13.20	Begin ascent on broken S.W. slope
39.95	Set a limestone 18×8×6 ins. 12 ins. in the ground for 1/4 sec cor. marked 1/4 on N. face; raised a mound of stones 2 ft. base 1½ ft. high N. of cor. Pits impracticable
79.90	The cor. of secs. 26-27-34 and 35 — This cor. stands 400 ft. above the stream Land mountainous Soil gravelly rock 3rd rate — Timber, a few pine trees scattering Dense oak, maple and aspen undergrowth — Mountainous land 79.90 chs. — July 3, 1902.
	July 5: At 7h 24m a.m., 7.m.T. I set off 40° 41' 30" N. on the lat. arc 22° 52' N. on the decl. arc and determine a true meridian with the solar at the cor. of secs. 26-27-34 and 35

Chains	
	Thence O run
	N. 0° 2' W. bet. secs. 26 and 27
	Over mountainous land
	Ascending, in dense undergrowth
2.70	Top of ridge bears E. and W. 60 ft. above cor.
	Begin abrupt descent
20.32	Mill Creek 16 lks. wide flows W. in narrow canon
	730 ft. below ridge. — ascending
21.17	County road from Salt Lake Valley to head of canon
	runs parallel with creek. —
	House of James Nielson bears W. 24.50 chs. —
	Begin abrupt ascent
37.06	A grade intended for a ditch or pipe line bears E.
	and W.
40.00	Set a sandstone 17 x 8 x 7 ins. 12 ins. in the ground
	for 1/4 sec. cor. marked 1/4 on W. face: raised a
	mound of stones 2 ft. base 1½ ft. high W. of cor.
	Pits impracticable. —
71.82	Top of spur runs S. 50° E. 1400 ft. above creek
	Descending gradually. — Enter aspen brake
73.50	Bottom of draw 25 ft. deep drains S. E.
77.00	Leave aspen brake
80.00	Set a sandstone 18 x 7 x 6 ins. 12 ins. in the ground
	for cor. of secs. 22-23-26 and 27 marked with 2
	notches on S. and E. edges: raised a mound of stones
	2 ft. base 1½ ft. high W. of cor.
	This cor. stands 125 ft. above draw
	Land mountainous
	Soil gravely and rocky 3rd and 4th rate
	Timber a few pine trees scattering
	Dense oak and maple brush undergrowth
	Mountainous land 80.00 chs. —
	East on a random line bet. secs. 23 and 26
40.00	Set temp. 1/4 sec. cor.
79.94	Intersect N. and S. line 7 lks. S. of cor. of secs. 23-24-25 and 26
	Thence O run
	S. 89° 57' W. on a true line bet. secs. 23 and 26
	Over mountainous land
	Descending, in dense undergrowth and scattering timber

Subdivision of T. 1. S. R. 2 E.

chains	
0.75	Stream 2 lks. wide flows S.W. in bottom of hollow ascending gradually in steep S. slope
6.50	Top of spur runs S 40 ft. high. — Descending
25.00	Enter timber course N. and S.
30.02	Drag road bears N. and S.
32.76	Elbow Fork of Mill Creek 3 lks. wide flows S in hollow 200 ft. below spur
33.15	Drag road bears S. 15° E. and N. 16° W
34.55	Stream 2 lks. wide draining S. 20° E. Begin ascent
X 39.97	Set a sandstone 17×7×6 in. 12 in. in the ground for 1/4 sec. cor. marked 1/4 on N. face: from which An aspen tree 5 in. diam. bears S 15° 56' E. 17 lks. dist. marked 1/4 S. 26 B.T An aspen tree 6 in. diam. bears N 21° 37' W. 27 lks. dist. marked 1/4 S 23 B.T.
68.00	Top of spur runs S.E. 760 ft. above hollow Thence on S. slope. — Leave timber bears N. and S.
79.94	The cor. of secs. 22-23-26 and 27 Land Mountainous Soil gravelly wash 3rd rate Timber aspen and pine of fair quality Dense undergrowth of oak and aspen Mountainous land 79.94 chs. — July 5: at this cor. I set off 22° 50' 30" N. on the decl arc and at 12h 4m p.m. L.M.T. observe the sun on the meridian: the resulting lat. is 40° 42' 30" N. —

	N. 0° 2' W on a random line bet. secs. 22 and 23
40.00	Set temp. 1/4 sec. cor.
85.72	Intersect E. and W. line 2.66 chs. N. 89° 57' E. of cor. of secs. 14-15-22 and 23 as reestablished by me July 2. 1902 and described under resurveys, subdivision of this Tp. Book S. Set a sandstone 18×8×6 in. 12 in in the ground for closing cor. of secs. 22 and 23 marked C.C. on S. face with 2 grooves on E. and 4 grooves on W. faces: raised a mound of stones 2 ft. base 1½ ft. high S. of cor. Pits impracticable

4

chains	
	Thence I run
	S.0°2'E on a true line bet. secs. 22 and 23
	Over mountainous land
	Descending in dense undergrowth—
17.60	Bottom of gulch and dry wash draining W. 90 ft. below cor.— Ascending abruptly—
25.40	Top of spur runs W. 150 ft. high.— Descend
37.60	Bottom of hollow drains W. 190 ft. below spur Ascending
43.70	Top of spur 90 ft. high runs W.— Descend
45.72	Set a quartzite stone 17×8×6 ins. 12 ins. in the ground for 1/4 sec. cor. marked 1/4 on W. face: raised a mound of stones 2 ft. base 1½ ft high W. of cor. Pits impracticable
55.85	Head of Smith Fork gulch drains N. 65° W. At the head of this gulch is the lowest pass between Parley's Canon and Mill Creek Canon traversed by a drag road and trail
55.90	Trail and drag road runs parallel with gulch Begin abrupt ascent
82.10	Top of divide between Parley's Canon and Mill Creek Canon 700 ft. above gulch course W. and N.E. Descending to—
85.72	The cor. of secs. 22-23-26 and 27 This cor. stands 40 ft. below top of divide Land mountainous Soil gravely wash 3rd rate— Timber aspen of small size and dense growth— Dense undergrowth of oak maple and aspen Mountainous land 85.72 chs.—

From the cor. of secs. 14 and 15 as heretofore described I run N. 84°57'E. on a random line bet. secs. 14 and 23

4.00	Set temp 1/4 sec. cor.
81.76	Intersect N. and S. line 1.60 chs N. of cor. of secs. 13 and 14 Set a sandstone 16×9×6 ins. 11 ins. in the ground for closing cor. of secs. 14 and 23 marked C.C. on W. face with 3 groves on N. and S. faces: raised a mound of stones 2 ft base 1½ ft. high W. of cor. Pits impracticable— And destroy markings on cor of secs 13 and 14 referring to sec 14 Thence I run—

Subdivision of T. 1 S. R. 2 E.

chains	
	S 89° 57' W on a true line bet. secs. 14 and 23
	Over mountainous land — Descending broken slope
28.50	Stream 2 lks. wide flows N. 25° W in bottom of hollow
	400 ft. below cor. Ascend
39.10	Set a sandstone 17 x 8 x 5 ins. 11 ins. in the ground
	for 1/4 sec. cor. of secs. 23, marked 1/4 on S. face; raised a mound of stones
	2 ft. base 1½ ft. high S. of cor. Pits impracticable
59.60	Top of ridge bears N.W. and S.E. 625 ft. above hollow. Descend
79.10	The closing cor. of secs. 22 and 23
81.76	The cor. of secs. 14 and 15
	This cor. stands 430 ft. below top of ridge
	Land mountainous
	Soil gravelly and rocky 3rd and 4th rate
	Timber a few scattering pine and aspen trees
	Dense aspen brake and oak brush
	Mountainous land 81.76 chs. —
	July 5, 1902

	July 6. at 7h 31m a.m. l.m.t. — I set off 40° 41' N. on
	the lat. arc 22° 40' 30" N. on the decl. arc and
	determine a true meridian with the solar at
	the cor. of secs. 3-4-33 and 34 on S. bdy. of Tp. as
	heretofore described
	Thence I run
	N. 0° 2' W on a random line bet. secs. 33 and 34
45.02	The 1/4 sec cor. bet. secs. 33 and 34 reestablished by
	me this day and described under resurvey &
	subdivision of this Tp. Book "S" bears E. 25 lks. dist.
	Thence I run
	S 0° 19' W. on a true line bet. secs. 33 and 34
	Over mountainous land
	Ascending on steep rocky slope N.E. to
27.00	Top of slope and spur running N.E. - 450 ft.
	above cor. —
	Thence on steep rocky E. slope and gradual descent
45.02	The cor. of secs. 3-4-33 and 34
	This cor. stands 160 ft. below top of spur
	Land mountainous
	Soil rocky 4th rate
	Timber scattering pine trees
	Mountainous land 45.02 chs

4

Subdivision of T. 1 S. R. 2 E.

Chains	July 6 1902
	July 7: In order to not extend the error of the older survey into the new I begin at the cor of sec. 22-23-26 and 27.
	Thence I run
	West bet secs. 22 and 27 on a sectional correction line
	Over mountainous land
	Ascending gradually in dense undergrowth on S. slope
8.50	Top of spur runs S. 80 ft above cor.
	Begin gradual descent
18.00	Head of draw 90 ft. deep drains S. ascend
28.00	Top of spur running S. 100 ft. above draw
	Beginning of abrupt descent
40.00	Set a sandstone 18×10×9 inc. 12 inc. in the ground for 1/4 sec. cor. marked 1/4 on N. face; from which
	A maple tree 5 inc. diam. bears N. 27° 0' W. 68 lks. dist. marked 1/4 S. 22 B.T.
	A maple tree 4 ins. diam. bears S. 18° 0' E 40 lks. dist. marked 1/4 S. 27 B.T.
48.60	Bottom of gulch drains S. 25° W. 385 ft below top of spur. —
	Ascending steep broken slope to
80.00	Set a sandstone 18×8×6 inc. 12 inc. in the ground for cor. of secs. 21-22-27 and 28 marked with - 3 notches on E. and 2 notches on S. edge; raised a mound of stones 2 ft. base 1½ ft. high W. of cor. Pits impracticable
	This cor. stands 650 ft. above bottom of gulch
	Land mountainous
	Soil gravely and rocky 3rd and 4th rate —
	No timber. -
	Dense oak, maple and thorn undergrowth —
	Mountainous land 80.00 chs. —
	West. bet. secs. 21 and 28 on a sectional correction line. -
	Over mountainous land

Subdivision of T. 1 S. R. 2 E.

chains	
	Descending in dense undergrowth, steep S slope
8.10	Bottom of hollow drain S. 140 below cor. Ascending to
15.80	Top of spur runs S. 160 ft. above cor.
	Begin gradual descent
26.50	Head of hollow drains S. 60 ft. below spur
	Ascend
31.80	Top of spur runs S.W. 50 ft above hollow
	Begin abrupt descent
40.00	Set a sandstone 18 x 8 x 5 ins. 12 ins. in the ground for 1/4 sec. cor. marked 1/4 on N. face from which
	A maple tree 6 ins. diam. bears S 18° 25' W. 136 lks dist. marked 1/4 S 28 B.T.
	No other trees within limit: raised a mound of stones 2 ft. base 1½ ft. high N. of cor.
	Pits impracticable
52.40	Spring branch 1 lks. wide flows N. 70° W.
55.66	Spring branch 4 lks. wide flows S. 60° W. in bottom of gulch 400 ft. below top of spur and 4 chs. below head of spring. —
57.20	Spring branch 2 lks wide flows S 15° W.
	Ascending gradually on broken S. slope
77.70	Spring branch 2 lks. wide flows S. in ravine 30 ft. deep.
80.00	Set a quartzite stone 18 x 8 x 7 ins. 12 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 raised a mound of stones 2 ft. base 1½ ft. high N. of cor. Pits impracticable
	This cor. stands 160 ft above gulch
	Land mountainous
	Soil gravelly and rocky 3rd rate —
	No timber — —
	Dense undergrowth of oak, maple and thorn. —
	Mountainous land 80.00 chs. —
	July 7: At this cor. I set off 22° 38' 30" N. on the decl. arc and at 12h 45m p.m. L.M.T. observed the sun on the meridian the resulting lat is 40° 42' 30" N

West. bet. secs. 20 and 29 on a sectional correction line

chains	
	Over mountainous land
	Ascending on steep broken S.E. slope in dense undergr
8.60	Ravine 70 ft. deep drains S.
12.00	Top of spur runs S. 110 ft. above cor.-
37.50	Ravine 50 ft deep drains S
40.00	Set a quartzite stone 18×8×6 ins. 12 ins. in the ground for 1/4 sec. cor. marked 1/4 on N. face: raised a mound of stones 2 ft. base 1½ ft. high N. of cor: Pits impracticable
55.00	Ravine 60 ft deep drains S.
68.00	Top of divide between Mill Creek Canon and Parley's Canon course S. 75° W. and N. 75° E. 1160 ft. above sec. cor.
68.30	Begin descent on steep N.W. slope to
80.00	Set a quartzite stone 18×9×5 ins. 12 ins. in the ground for cor of secs. 19-20-29 and 30 marked with 5 notches on E and 2 notches on S. edges from which A pine tree 32 ins. diam. bears S 7°58' W. 2.06 lks. dist. marked T 1 S R 2 E S 30 B.T. An aspen tree 4 ins. diam. bears S. 62° 45' E. 14 lks dist. marked T 1 S R 2 E S 29 B.T. An aspen tree 4 ins. diam. bears N. 14° 30' E. 18 lks dist. marked T 1 S R 2 E S 20 B.T. No other trees within limit: raised a mound of stones 2 ft. base 1½ ft. high W. of cor. Pits impracticable.— This cor. stands 190 ft. below top of divide Land mountainous Soil gravely and rocky 3rd and 4th rate— No timber Dense undergrowth of oak maple and aspen Mountainous land 80.00 chs.—
	July 7: at 3 45 p.m. I set off 40° 42' 30" N. on the lat. arc 22° 38' N. on the decl. arc and determine a true meridian with the solar at the cor. of secs. 19-20-29 and 30 Thence I run S 89° 46' W. on a random line bet. secs. 19 and 30
40.00	Set temp. 1/4 sec. cor.

Subdivision of T.1S.R.2E.

chains	
79,62	Intersect W. bdy of Tp. 4 4 lks. S of cor. of secs. 19-24-25 and 30 which is a stone firmly set marked and witnessed as described by the surveyor general. -
	Thence I run
	S 89°55' E on a true line bet. secs. 19 and 30
	Over mountainous land
	Ascending abruptly on N.W. slope
39,62	Set a quartzite stone 18×10×6 ins. 12 ins. in the ground for 1/4 sec. cor. marked 1/4 on N. face: raised a mound of stones 2 ft. bright 1½ ft. high N. of cor. Pits impracticable
51,50	Top of spur runs N., about 8 chs. N. of west end of ridge dividing Mill Creek Canon from Parley's Canon, from which point it breaks abruptly to Salt Lake valley: 1400 ft. above sec. cor. - along steep N. slope
65,00	Thence ongradual descent, steep N. slope
76,80	Head of gulch drains N. 15° E. 160 ft. below spur
	Ascending to
79,62	The cor. of secs. 19-20-29 and 30
	Land mountainous
	Soil rocky 4th. rate
	No timber. -
	Dense undergrowth of thorn aspen and oak
	Mountainous land 79,62 chs. -
	July 7, 1902

July 8: at 7h 30m a.m. T.M.T. I set off 40° 42' 30" N on the Lat. arc 22° 34' N. on the decl. arc and determine a true meridian with the solar at the cor. of secs. 21-22 27 and 28. -

	Thence I run
	S 0° 2' E on a random line bet. secs. 27 and 28
35,00	The 1/4 sec. cor. as reestablished by me July 6 and described under resurvey of subdivision of this Tp. Book S. bears W. 12 lks. dist.
	Thence I run
	N. 0° 10' E on a true line bet. secs. 27 and 28
	Over mountainous land
	Ascending abruptly in dense undergrowth
5,20	Top of spur runs S 65° E 90 ft. above cor.

Subdivision of T.1S.R.2E.

Chains Ascending gradually to
1100 Dry wash in ravine drains S 30° E 90 ft. deep
Ascending abruptly
3100 The cor. of secs. 21-22-27 and 28
This cor. stands 390 ft. above ravine
Land Mountainous
Soil gravely and rocky 4th rate
Bear timber
Bear, Sackle and Oak undergrowth
Mountainous land 3570 chs.—

N.0°2' W. on a random line bet. secs. 21 and 22
[illegible] Set temp. 1/4 sec. cor.
5218 Intersect E. and W. line 4.60 chs. E of cor. of secs. 15-16-21 and 22 as reestablished by me on resurvey line this day and described under resurveys of subdivision lines this Tp. Book S
Set a sandstone 18x8x5 ins. 12 ins. in the ground for closing cor. of secs. 21 and 22 marked C.C. on S face with 3 grooves on E. and W. faces; raised a mound of stones 2 ft. base 1½ ft. high S. of cor.
Pits impracticable.—
Thence I run
S 0°2' E. on a true line bet. secs. 21 and 22
Over mountainous land
Descending gradually on S.E. slope in dense undergrowth
20.65 Wood road bears S.W. and N.E.
21.30 Stream 2 lks. wide in bottom of gulch 150 ft. below cor. course N.30° E.
Ascending.
33.70 Top of spur runs N.30° E. 200 ft. above stream
Thence on E slope and gradual ascent
[illegible] Set a quartzite stone 17x9x6 ins. 11 ins. in the ground for 1/4 sec. cor. marked 1/4 on W. face; raised a mound of stones 2 ft. base 1½ ft. high W. of cor. Pits impracticable
[illegible] Head of hollow drains N.E.
Begin abrupt ascent
6320 Top of divide between Mill Creek and Parlys Creek
Canons bears about E. and W. 575 ft. above [illegible]
Begin abrupt descent

Subdivision of T. 1 S. 12 E.

Chains	
87.18	The cor. of secs. 21-22-27 and 28
	This cor. stands 550 ft. below divide
	Land mountainous
	Soil gravely and rocky 3rd and 4th rate
	Timber, scattering pine and aspen
	Dense undergrowth
	Mountainous land 87.18 chs.

	From the cor. of secs. 15 and 16 as before described I run
	East on a random line bet. secs. 15 and 22
+0.00	Set temp. 1/4 sec. cor.
82.02	Intersect N. and S. line 1.42 chs. N. of cor. of secs. 14 and 15 as heretofore described
	Set a sandstone 18 x 9 x 7 ins. 12 ins. in the ground for closing cor. of secs. 15 and 22 marked C. C. on W. face with 3 grooves on N. and S. faces; raised a mound of stones 2 ft. base 1½ ft. high W. of cor. Pits impracticable
	And destroy markings on cor of secs. 14 and 15 referring to sec. 15. –
	Thence I run
	West on a true line bet. secs. 15 and 22
	Over mountainous land
	Descending gradually on broken S.W. slope, in dense undergrowth –
24.84	Hollow drains S. 200 ft. below cor. – ascending
34.25	Top of spur runs S. 90 ft. high. – Descend
37.38	Set a sandstone 18 x 8 x 4 ins. 12 ins. in the ground for 1/4 sec. cor. of sec. 22 marked 1/4 on S face: raised a mound of stones 2 ft. base 1½ ft. high S. of cor. Pits impracticable
66.15	Road bears S.E. and N.W. in bottom of gulch draining N.
66.48	Bottom of gulch and Smith Fork of Parleys Creek 3 lks. wide flowing N.W. Gulch very narrow – 300 ft deep. A summer resort known as The Old Armchair resort has lately been established along this gulch and tents, summer houses and a few cottages have been put up along this stream both above and below this line but none can be seen from this point. –
	Begin abrupt ascent

Subdivision of T. 1 S. R. 2 E.

chains	
77.42	The closing cor. of secs. 21 and 22
82.02	The cor. of secs. 15 and 16
	This cor. stands 300 ft. above gulch. —
	Land mountainous
	Soil gravely and rocky 3rd rate
	No timber. —
	Dense rank undergrowth — of oak, maple and thorn
	Mountainous land 82.02 chs.
	July 8: The sky being overcast during the noon hour I was unable to observe the sun on the meridian. —
	July 8. 1902
	July 9: at 7h 10m a.m., l.m.t. — I set off 40° 42' 30" N. on the lat. arc 22° 27' N. on the decl. arc and determine a true meridian with the solar at the cor. of secs. 20-21-28 and 29 as heretofore described
	Thence I run
	South — on a random line bet. secs. 28 and 29
37.96	The 1/4 sec. cor. reestablished by me July 6. 1902 and described under reservoys of subdivision lines of this Tp.: Book S. bears W. 14 chs.
	Thence I run
	N. 0° 12' E. on a true line bet. secs. 28 and 29
	Over mountainous land
	Ascending in dense undergrowth —
7.40	Top of spur runs S 77° W. 130 ft. above cor. Descend
20.70	Stream 4 chs. wide flows S.W. in narrow gulch 250 ft below spur. — Ascending broken S.E. slope to —
37.96	The cor. of secs. 20-21-28 and 29
	This cor. stands 220 ft. above stream
	Land mountainous
	Soil gravely and rocky 3rd rate
	No timber. — Dense oak, maple and thorn undergrowth. —
	Mountainous land 37.96 chs. —
	N. 0° 3' W. on a randomd. line bet. secs. 20 and 21
40.00	Set temp. 1/4 sec. cor.

Subdivision of T. 1 S. 12 E.

chains

89.90 Intersect E. and W. line 6.00 chs. E of cor. of secs. 16-17-20 and 21 as reestablished by me this day and described under resurveys of subdivision lines of this Tp. Book 5.

Set a limestone 16×8×6 ins. 12 ins in the ground for closing cor. of secs. 20 and 21 marked C.C. on S. face with 4 grooves on E and 2 grooves on W. faces: raised a mound of stones 2 ft. base 1½ ft. high S. of cor. Pits impracticable

and remove all markings from cor of secs. 16-17. 20 and 21 referring to sec. 20 and 21

Thence I run

S. 0° 3' E on a true line bet. secs. 20 and 21

Over mountainous land

Ascending on rocky broken slope

25.00 Top of spur runs N. 30° E. 400 ft. above cor.

Descending on S.E slope.

49.90 Set a limestone 18×8×5 ins. 12 ins. in the ground for 1/4 sec. cor. marked 1/4 on W. face: raised a mound of stones 2 ft. base 1½ ft. high W. of cor. Pits impracticable

53.80 Bottom of gulch drains N.E. 325 ft. below spur

Ascending abruptly to

71.40 Top of divide between Parleys Creek and Mill Creek Canons bears nearly E. and W. 600 ft. above gulch

Descending abruptly

89.90 The Cor. of secs. 20-21-28 and 29 — Land mountainous Soil rocky and gravely 3rd rate — Timbered a few pines — Dense brush

Mountainous land 89.90 Chs. — July 9. 1902

July 10: at 7h 31m a.m., P.M.T. I set off 40° 43' 30" N. on the lat. arc 22° 20' N. on the decl. arc and determine a true meridian with the solar at the cor. ---

of secs. 16 and 17

Thence I run

East on a random line bet. secs. 16 and 21

40.00 Set temp. 1/4 sec. cor.

81.46 Intersect N. and S. line 2.94 chs N. of cor. of secs. 15 and 16

Set a limestone 16×11×5 ins. 11 ins. in the ground for closing cor. of secs. 16 and 21 marked C.C. on W. face with 3 grooves on N. and S. faces:

chains	raised a mound of stones 2 ft. base 1½ ft. high W. of cor.
	Pits impracticable
	And destroy all markings on cor. of secs. 15 and 16
	refering to sec. 16
	Thence I run
	West on a true line bet. secs. 16 and 21
	Over mountainous land
	Ascending abruptly in dense undergrowth
13.50	Top of spur runs N. 270 ft. high. – Descend
35.43	Set a quartzite stone 18 x 8 x 6 ins. 12 ins. in the
	ground for ¼ sec. cor. of sec. 21 marked ¼ on S. face
	raised a mound of stones 2 ft. base 1½ ft. high S. of cor.
	Pits impracticable. –
37.00	Dry wash in bottom of gulch 500 ft. deep drains N. Ascend
48.00	Top of spur runs N.W. 140 ft. above gulch. – Descend
58.10	Bottom of gulch drains N. 25° W. 330 ft. below spur. – Ascend
68.50	Top of spur runs N. 10° W. 225 ft. above gulch. – Descend
75.46	The closing cor. of secs. 20 and 21
81.46	The cor. of secs. 16 and 17
	Land mountainous
	Soil gravely and rocky 3rd rate
	Timber: scattering pine and ashen
	Dense undergrowth of oak maple and ashen
	Mountainous land 81.46 chs. –

From the cor. of secs. 19-20-29 and 30 I run
South on a random line bet. secs. 29 and 30
39.92 The ¼ sec. cor. reestablished by me July 6 1902
and described under resurveys of subdivision
lines of this Tp. Book 'S. bears E 15 lks.
Thence I run
N. 0° 13' W. on a true line bet. secs. 29 and 30
Over mountainous land
Ascending steep broken slope
34.85 Top of Divide between Mill Creek and Parleys Creek
Canons course S 78° W and N. 85° E. 725 ft above cor.
Begin abrupt descent
39.92 The cor. of secs. 19-20-29 and 30
Land mountainous
Soil rocky and gravely 4th rate
No timber. – Dense brush undergrowth
Mountainous land 39.92 chs. –

Subdivision of T. 1 S R 2 E

chains	
	July 10: at this cor. I set off 22°18' N. on the decl. arc and at 12h 6m p.m. l.m.t. observe the sun on the meridian: the resulting lat. is 40°42'35" N
	N 0°4' W on a random line bet. secs. 19 and 20
40.00	set temp. 1/4 sec cor.
89.40	Intersect E. and W. line 24 lks. E. of cor. of secs. 17-18-19 and 20 as reestablished by me this day and described under resurveys of subdivision lines of this Tp. Book S.
	Thence I run S. 0°14' E on a true line bet. secs. 19 and 20
	Over mountainous land
	Ascending abruptly on rocky slope in scattering timber
19.15	Top of ridge bears N. 60° W. and S.E. 500 ft. above cor.
	Descending. - Leave timber. - Enter dense undergrowth
29.25	Head of gulch drains N. 85° W. 130 ft. below ridge
	ascending abruptly
43.40	Top of spur runs W. 280 ft. above gulch
	Descending
49.40	Set a sandstone 18×9×5 ins. 12 ins in the ground for 1/4 sec. cor. marked 1/4 on W. face: raised a mound of stones 2 ft. base 1½ ft. high W. of cor.
	Pits impracticable
53.00	Hollow 120 ft. below spur, drains W. ascending
55.40	Top of spur 40 ft. high runs W
	Thence on W slope to
62.00	Stream 3 lks wide from S. 20° W. turns N. 25° W. in bottom of gulch. - This stream runs through a deep narrow cleft in the ridge crossed back on this line and known as Pharaos Glenn - a summer resort has been established of that name composed of half a dozen cabins located about on the line bet. secs. 18 and 19 where stream crosses. -
	Ascending abruptly to
89.40	The cor. of secs. 19-20-29 and 30. -
	This cor. stands 650 ft above stream
	Land mountainous
	Soil rocky and gravely 4th rate

chains	
	Timber pine and mahogany scattering
	Dense undergrowth of oak maple and thorn
	Mountainous land 89.40 chs.—
	July 10, 1902
	July 11: at 7h 25m a.m., l.m.t. I set off 40°43'30" N. on the lat. are 22°12'30" N. on the decl. are and determine a true meridian with the solar at the cor. of secs. 17-18-19 and 20
	Thence I run
	East on a random line bet. secs. 17 and 20
40.00	Set temp. 1/4 sec. cor.
74.20	Intersect N. and S. line 46 lks. S. of cor. of secs. 16 and 17
	Thence I run
	S. 89°39' W. on a true line bet. secs. 17 and 20
	Over mountainous land
	Descending on rocky steep N. slope
2.40	Bottom of ravine 50 ft. deep drains N. ascending
13.50	Top of spur runs N. 200 ft above ravine.—Descending
27.60	Bottom of hollow 190 ft. deep drains N.—Ascending
34.10	Set a limestone 18×9×6 ins. 12 ins in the ground for 1/4 sec. cor. of sec. 20 marked 1/4 on S. face raised a mound of stones 2 ft. base 1½ ft. high S. of cor.
	Pits impracticable
42.00	Top of spur runs N. 180 ft. above hollow.—Descend
54.10	Head of hollow 160 ft. deep draining N. 10° W.
	ascending broken slope to—
62.00	Top of spur runs N 100 ft above hollow—Descend
68.30	Bottom of ravine drains N 90 ft. deep.—Ascend
74.20	The cor. of secs. 17-18-19 and 20
	Land mountainous
	Soil rocky 4th rate
	Timber pine and mahogany scattering
	Dense undergrowth of oak, maple and thorn
	Mountainous land 74.20 chs.—
	Note: witness corners reported set bet. secs. 13 and 24-14 and 23-15 and 22-16 and 21 and 17 and 20 I was unable to find any trace of though in each case a carefull search was made.—
	I return to the meridian established June 27 from Polaris. At 3h p.m., l.m.t. I set off 22°10' N. on the decl.

Subdivision of T 15 N 2 E

are and test the adjustment of my solar, finding it gives the same meridian as before and adjustment correct. —

July 11, 1902

General Description

The portion of this township covered by the present survey is all mountainous land, and exceedingly rough and broken. - It has a high elevation and usually a heavy snow-fall and no part of it is suitable for cultivation, but all is available for summer pasture, for which use the small streams and springs furnishes ample water. —

There is a few small groves of pine timber mainly of scattering growth - and of no great value; but the whole area is covered with a dense, rank growth - of brake and brush from two to twenty feet high. —

There are no quarries nor mines nor did I notice any croppings nor other promising indications of mineral, but all is returned as mineral land

There are no permanent settlers within the township. - The house of Jas. Nielson in sec. 27 is unoccupied and seems to have been built in connection with a waterpower project.

Applicants for survey of this Tp. Alma Pratt A A Pratt and Parker B Pratt are connected with the Old Arno Chair Summer Resort along Smith Fork in secs. 15-16 and 22, and Joseph Millikin is proprietor of the Pharaos Glenn Summer Resort in secs. 18 and 19. —

Andrew P Hansen
U.S. Deputy Surveyor

BLANK

PAGE

BLANK

PAGE

BLANK

PAGE

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by Andrew P. Hansson, United States Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the survey of Subdivision lines of Tp. 2 S. R. 3 E. & of Tp. 1 S. R. 2 E.

showing the respective capacities in which they acted:

Edward L. Jones Jr., *Chainman.*
Willis B. Booter, *Chainman.*
Edward L. Jones Jr., *Moundman.*
Harold L. Hobbs, *Moundman.*
Willis B. Booter, *Axman.*
Frank Hyde Jr., *Axman.*
Harold L. Hobbs, *Flagman.*

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted Andrew P. Hansson, United States Deputy Surveyor, in surveying all those parts or portions of the subdivision lines of Tp. 2 S. R. 3 E. and Tp. 1 S. R. 2 E.

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

Edward L. Jones Jr., *Chainman.*
Willis B. Booter, *Chainman.*
Edward L. Jones Jr., *Moundman.*
Harold L. Hobbs, *Moundman.*
Willis B. Booter, *Axman.*
Frank Hyde Jr., *Axman.*
Harold L. Hobbs, *Flagman.*

Subscribed and sworn to before me this 12th day of July, 1902

SEAL

Sam Rover
Notary Public

6—151

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, Andrew P. Hanson, United States Deputy Surveyor, d solemnly swear that, in pursuance of a contract received from Edward H. Anderson United States Surveyor General for the State of Utah, bearing date of th 12th day of April 1901, ~~189~~, I have well, faithfully, and truly, in my ow proper person, and in strict conformity with the instructions furnished by the United States Surveyo General for the State of Utah, the Manual of Surveying Instructions, and the laws of th United States, surveyed all those parts or portions of the subdivisional lines in T3S Rs 6 5 & 4 E – T2S R3E and T1S R2E

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

Andrew P. Hanson
United States Deputy Survey

Subscribed by said Andrew P. Hanson, and sworn to before me this 9th day of December 1903, ~~189~~

Edward H. Anderson
U.S. Surveyor General for the State of Utah

SEAL

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah June 9 1903, ~~189~~

The foregoing field notes of the survey of the subdivisional lines of Township 1 South Range 2 East of the Salt Lake Base & Meridian, Utah

executed by Andrew P. Hanson under his contract No. 244, dated April 12, 1901, ~~189~~, having be critically examined, and the necessary corrections and explanations made, the said field notes, and t surveys they describe, are hereby approved.

Edward H. Anderson
United States Surveyor Gener

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

United States Surveyor Gener

6—151

BLANK

PAGE

BLANK

PAGE

4—679.

361

S.

BOOK A-292

FIELD NOTES

OF THE Re SURVEY OF THE

Subdivision Lines

of

Township No 1 South Range No 2 East

Of the Salt Lake Base and Meridian,

State of Utah

AS SURVEYED BY

Andrew P Hanson, United States Deputy Surveyor,

nder his Contract No. 244, dated April 12, 1801

urvey commenced July 2, 1802

urvey completed July 10, 1802

6—151

M. Obs. Eks.
high 15-02-20

NAMES AND DUTIES OF ASSISTANTS.

Edward L Jones Jr. Chainman

Willis B Booth - - Chainman

Edward L Jones Jr. - Moundman

Harold L Hobbs - Moundman

Willis B Booth - - Axman

Frank Hyde Jr. - - Axman

Harold L Hobbs - - Flagman

For preliminary affidavit see book O. P. 25 R. 3 E.

6—151

BOOK A-292

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

Resurvey - Subdivision T. 1 S. R. 2 E.

Chains	Survey commenced July 2, 1902 and executed with a W & L.E. Gurley light mountain transit with solar attachment. - The horizontal limb is provided with two double verniers placed opposite to each other reading to single minutes of arc which is also the least count of the verniers of the latitude and declination arcs. - The instrument was examined tested on the true meridian at Salt Lake City found correct and was approved by the surveyor general for Utah April 13. 1901. - Note: Having made a complete test of the adjustments of the instrument June 27, 1902 at beginning of survey of this Tp. as described under survey of S. bdy. T1S R2E Book "P" reference to which is hereby made I consider it unnecessary to repeat the test at this time being confident the adjustments still remain satisfactory. -
	Having been unable to find any trace of cor. of secs. 13-14-23 and 24 upon which to close my survey I go to the cor. of secs. 11-12-13 and 14 Which is a stone firmly set marked and witnessed as described by the surveyor General Thence I run South on a blank retracement line bet. secs. 13 and 14: At 4000 chs. a carefull search failed to disclose any trace of the 14 sec. cor. - At 8000 chs. a carefull search was made for the cor. of secs. 13-14-23 and 24 but no trace of it could be discovered, therefor: I set a sandstone 17 x 8 x 5 ins. 11 ins. in the ground for cor. of secs. 13-14-23 and 24 marked with 1 notch on E. and 3 notches on S edges; raised a mound of stones 2 ft. base 1½ ft. high W. of cor. Pits impracticable. - Thence I run on resurvey line North bet. secs. 13 and 14 Over mountainous land Descending gradually in N.W. slope in dense undergrowth

chain	
22.00	Top of spur runs N. 30° W. and beginning of abrupt descent on broken slope
40.00	Set a sandstone 16 x 9 x 5 inc. 11 inc. in the ground for 1/4 sec. cor. marked 1/4 on W. face: raised a mound of stones 2 ft. base 1½ ft. high W. of cor. Pits impracticable.—
80.00	The cor. of secs. 11-12-13 and 14 This cor. stands 860 ft. below cor. of secs. 13-14-23 and 24 Land Mountainous Soil gravely wash 3rd rate No timber Dense undergrowth of aspen oak and maple Mountainous land 80.00 chs.— July 2: at this cor. I set off 23°05' N. on the deck axe and at 12h 4m p.m. I not observe the sun on the meridian; the resulting lat. is 40° 44' N.
	From the cor. of secs. 10-11-14 and 15 which is a stone firmly set marked and witnessed as described by the surveyor general, I run South on a blank retracement line bet. secs. 14 and 15: At 40.00 chs. a carefull search failed to disclose any trace of the 1/4 sec. cor.: at 80.00 chs. a persistent search was made for the cor. of secs. 14 15-22 and 23 but no trace of it could be found Therefor: I set a sandstone 17 x 9 x 7 inc. 12 inc. in the ground for cor. of secs. 14-15-22 and 23 marked with 2 notches on E and 3 notches on S. edges; raised a mound of stones 2 ft. base 1½ ft. high W. of cor. Pits impracticable Thence I run on resurvey line North bet. secs. 14 and 15 Over mountainous land Ascending in dense aspen brake
11.30	Leave aspen brake bears E. and W. - Ascending abruptly
13.40	Top of ridge bears N. 60° W. and S. 60° E. 600 ft. above cor. - Descending on steep broken slope
40.00	Set a sandstone 17 x 9 x 6 inc. 12 inc. in the ground for 1/4 sec. cor. marked 1/4 on W. face:

chains	raised a mound of stones 2 ft. base 1½ ft. high W. of cor. Pits impracticable
80.00	The cor. of secs. 10-11-14 and 15
	This cor. stands 775 ft. below top of ridge
	Land mountainous
	Soil gravely and rocky 3rd rate
	Timber. a few pine and mahogany scattering
	Dense brush undergrowth
	Mountainous land 80.00 chs.

In order to make proper closing of sec. 14 I run East on a blank retracement line bet. secs. 11 and 14. - At 40.00 chs. a diligent search failed to disclose any trace of the 1/4 sec. cor. At 81.60 chs. the cor. of secs. 11-12-13 and 14 bears S. 1.52 chs. corresponding to a course of S. 88° 58' E. - And not being able to make proper closing of sec. 13 with data at hand I continue my line east bet. secs. 12 and 13. - At 40.00 chs. no trace of the 1/4 sec. cor. could be found: at 81.34 the cor. of secs. 12 and 13 bears. S 1.20 chs. corresponding to a course of S. 89° 09' E. -

The alligument being deficient and some of the corners missing I make the following resurveys. -

I begin at the cor. of secs. 12 and 13 on E. bdy. of T. 15 R 2 E. which is a stone firmly set marked and witnessed as described by the surveyor general. —

Thence I run

N. 89° 09' W. bet. secs. 12 and 13

Over mountainous land

Descending on broken slope

13.24	Track of Utah Central Railroad bears N 65° E and S 65° W.
21.10	Water tank of same road bears. S 1.40 chs. and station (Barkley) house bears west from tank about 4 chs. -
23.00	Telegraph line runs N. and S.
39.94	Wagon road to timber from bottom of Parley's Canon bears N. and S.
40.67	The proportionate distance: Set a sandstone 17 x 8 x 5 in. 12 in. in the ground for 1/4 sec. cor.

Recovery - Subdivision of T15H2E

chains marked ¼ on N. face: raised a mound of stone 2 ft. base 1½ ft. high N. of cor. - Pili impracticable

43.25 Lambs Creek 10 lks. wide flows N.W. in bottom of gulch 200 ft. below sec. cor.

Ascending gradually

47.70 Wood road bears N.E. and S.W.

45.00 Track of Utah Central Railroad bears N 60° W and S 60° E.

61.00 Top of spur runs N. 150 ft above gulch. - Descend

66.10 Dry wash in bottom of hollow drains N. - Ascending

73.60 Top of spur 130 ft. high runs N. Descending

74.00 Wood road bears N.W. and S.E. in hollow draining N. - Ascending gradually

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

This cor. stands on low spur running N 60 ft above hollow

Land mountainous

Soil gravely wash 3rd rate

No timber. - Dense brush undergrowth

Mountainous land 81.34 chs. -

N. 88° 58' W. bet. secs. 11 and 14

Over mountainous land

Descending gradually on broken slope

10.15 Bottom of gulch 60 ft. deep drains N. Ascending

21.00 Top of spur runs N. 200 ft. above gulch. - Descending

32.50 Bottom of gulch 80 ft. deep course N. - Ascending

37.00 Top of spur 230 ft. high runs N. - Descending

39.50 Bottom of hollow 60 ft. deep drains N 30° E. - Ascend

40.50 The proportionate distances: Set a sandstone 17 x 8 x 5 in. 12 ins in the ground for ¼ sec. cor. marked ¼ on N. face; raised a mound of stone 2 ft. base 1½ ft. high N. of cor. Pili impracticable. - No trace of original cor. could be found. -

53.00 Top of ridge bears N 30° E and S 30° W. 300 ft. above hollow. - Descend on rolling surface

74.75 Fence bears N.E. and S.W.

75.55 Wood road bears N.E. and S.W.

75.92 Ditch 5 lks. wide flows N.E.

76.60 Stream 5 lks. wide flows N. 30° E. in bottom of hollow 170 ft below ridge - Ascending to

Chains	
81.60	The cor. of secs. 10-11-14 and 15
	This cor. stands 75 ft. above stream
	Land mountainous
	Soil gravely wash 3rd rate
	No timber. – Dense brush undergrowth
	Mountainous land 81.60 chs. –
	July 2, 1902
	July 6: Staving in the regular execution of subdivision of this Tp. runs a random line north from the cor. of secs. 3-4-33 and 34 on S. bdy of Tp. and failed to find any trace of the 1/4 sec. cor. bet. secs. 33 and 34 as described by the surveyor general. I continue on a blank retracement line north and at 83.02 chs. fall 13 lks. E. of cor. of secs. 28 and 33 as heretofore described
	Thence I run on resurvey line
	South bet. secs. 33 and 34
	Over mountainous land
	Ascending on steep rocky N.E. slope in dense undergrowth
5.20	The closing cor. of secs. 27 and 34
40.00	Set a limestone 18 x 9 x 8 ins. 12 ins. in the ground for 1/4 sec. cor. marked 1/4 on W. face raised a mound of stones 2 ft. base 1½ ft. high W. of cor. Pits impracticable. –
	This cor. stands 600 ft. above the sec. cor.
	No trace of original cor. could be found
	Land mountainous
	Soil rocky 3rd rate
	Timber; a few pine and mahogany scattering
	Dense brush undergrowth –
	Mountainous land 40.00 chs. –
	Staving previously made search for the 1/4 sec. cor. bet. secs. 27 and 28 but failed to find it I run from the cor. of secs. 28 and 33
	North bet. secs. 27 and 28 – on resurvey line
	Over mountainous land
	Descending in dense undergrowth and scattering timber. –

Reservoy — Subdivision of T. 1 S. R. 2 E.

chains

4.00 Enter bottom of South Fork Cañon course N.W. and S.E. 85 ft. below cor. Leave scattering timber

4.50 Old wood road runs parallel with cañon

6.60 South Fork of Mill Creek 5 lks wide flows N.W. — ascend

8.12 Top of spur 20 ft. high runs W. — descend

9.72 Mill Creek 18 lks. wide flows W. in bottom of narrow Cañon. — Ascending

10.27 County road from Salt Lake Valley to head of Cañon course E. and W.

13.20 Dry wash drains S.W. — Ascent becomes abrupt

40.00 A diligent search failed to discover any trace of original 1/4 sec. cor. therefor

I set a limestone 18 x 9 x 5 in. 12 in. in the ground for 1/4 sec. cor. marked 1/4 on W. face from which

A maple tree 5 in. diam. bears N 62° 15' W 18 lks. dist. marked 1/4 S 28 B.T.

An oak tree 4 in. diam. bears N 63° 45' E. 15 lks. dist. marked 1/4 S 27 B.T.

This cor. stands 340 ft. above creek. —

Land Mountainous

Soil gravelly wash 3rd rate

Timber pine scattering

Dense undergrowth of oak maple and thorn

Mountainous land 40.00 chs. —

July 6. At this cor. I set off 22° 46' N. on the decl. arc and at 12h 4m p.m. 7m.T. observed the sun on the meridian The resulting lat. is 40° 42' N.

In order to locate the 1/4 sec. cors. bet. secs. 28 and 29 — 29 and 30 of which I can gain no information I ran from the cor. of secs. 28 and 33 West bet. secs. 28 and 33 — on a blank subdivisional line: At 40.00 chs. I find no trace of the 1/4 sec. cor. At 80.00 chs. the cor of secs. 28-29-32 and 33 bears S. 29 lks. being a stone friendly set marked and witnessed as described by the surveyor general. —

A blank line runs N. from this cor. bet. secs. 28 and 29. 40.00 chs. and carefull search made faile to discover any trace of the 1/4 sec cor. bet said secs.

Resurvey - Subdivision of T. 1 S. 12 E

chains	I continue my line S 89°52' W. bet. secs. 29 and 32: At 39.98 chs. I find no trace of the 1/4 sec. cor: at 79.84 the cor. of secs. 29-30-31 and 32 bears S. 1.77 chs. from whence a blank line runs N. 40.00 chs. and carefull search fails to discover any trace of the 1/4 sec cor bet. secs. 29 and 30 as described by the surveyor general, and I therefor make the following resurveys. —
	I begin at the cor of secs. 29-30-31 and 32 which is a stone firmly set and marked as described by the surveyor general. — The mound being scattered I raise a mound of stones 2 ft. base 1½ ft. high W. of cor.
	Thence I run
	North bet. secs. 29 and 30
	Over mountainous land
	Ascending steep rocky slope in dense undergrowth
40.00	A diligent search having failed to discover any trace of the original 1/4 sec. cor —
	I set a limestone 17×8×6 ins. 11 ins. in the ground for 1/4 sec. cor. marked 1/4 on W. face raised a mound of stones 2 ft. base 1½ ft. high W. of cor. — Pits impracticable
	This cor. stands 760 ft. above the sec. cor.
	Land mountainous
	Soil gravely and rocky 4th rate —
	No timber —
	Dense undergrowth of oak, maple and thorn
	Mountainous land 40.00 chs —
	From the cor. of secs. 29-30-31 and 32 I run
	N. 88°37' E. bet. secs. 29 and 32
	Over mountainous land
	Ascending in dense undergrowth —
10.00	Top of spur runs S 100 ft. above cor. Descend
24.60	Dry wash in bottom of hollow 160 ft. deep. drains S. 10° W. — ascending broken slope to
33.00	Top of spur runs S. 20° W 100 ft. above hollow
	Descending gradually in S. slope to
39.92	Set a quartzite stone 17×9×5 ins. 11 ins. in the ground for 1/4 sec. cor. marked 1/4 on W.

chains free: raised a mound of stones 2 ft. base 1½ ft.
high N. of cor. Pits impracticable.
This cor set at the proportionate distance bet. cors.
for trace of original cor. could be found
50.32 Enter bottom of Mill Creek Canon course S 75° W
and N. 75° E.
56.90 Mill Creek 18 lks. wide flows S. 75° W swift current
clear good water.—
Thence on gradual ascent
57.46 County Road from Salt Lake Valley to head of
Canon course parallel with creek
79.54 The cor. of secs. 28-29-32 and 33 as heretofore
described.—
Land mountainous
Soil rocky and gravelly 4th rate
No timber.
Dense undergrowth of oak, maple and thorn
Mountainous land 79.54 chs.—

North bet. secs. 28 and 29
Over mountainous land
Ascending gradually in dense undergrowth—
1.00 County road from Salt Lake Valley to head of Canon
course E and W.
1.95 Mill creek 18 lks wide flows W. in bottom of
narrow Canon
Begin abrupt ascent
4.00 A diligent search having failed to discover the
original ¼ sec. cor.
I set a quartzite stone 17x9x6 in. 11 in. 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
This cor. stands 600 ft. above the creek
Land mountainous
Soil rocky and gravelly 4th rate
No timber.—
Dense undergrowth of oak maple and thorn
Mountainous land 4.00 chs.—

From the cor. of secs. 28-29-32 and 33 I run

Resurvey - Subdivision of T1SR2E

Chains N.87°54'E. bet secs. 28 and 33
Over mountainous land
Ascending gradually on broken N. slope in undergrowth -
40.04 The proportionate distance: set a limestone 18 x 10 x 5 ins. 12 ins in the ground for 1/4 sec. cor. marked 1/4 on N. face: raised a mound of stones 2 ft. base 1½ ft. high N. of cor. Pits impracticable
No trace of original 1/4 sec. cor. could be found
67.50 Top of spur runs N.10° W. 360 ft. above sec. cor.
Descending on N.E. slope in scattering timber
80.08 The cor. of secs. 28 and 33
This cor. stands 120 ft. below spur
Land mountainous
Soil gravely and rocky 3rd rate -
Timber pine scattering
Dense undergrowth - of oak, maple and thorne
Mountainous land 80.08 chs. -

July 6, 1902

July 8: Being unable to find any trace of the cor. of secs. 15-16-21 and 22 upon which to close my survey, I go to the cor. of secs. 10-11-14 and 15 - as heretofore described and run West on a blank retracement line bet. secs. 10 and 15: at 40.00 chs. no trace of the 1/4 sec. cor. could be found: At 81.72 chs. the cor. of secs. 9-10-15 and 16 bears N. 1.46 chs. which falling answers to a course of N.88°58'W.
From this cor. I continue my line as before South bet. secs. 15 and 16: at 40.00 chs a carefull search failed to discover any trace of the 1/4 sec. cor.: At 80.00 chs. again search was made but no trace of the cor of secs. 15-16 21 and 22 could be found: therefor
I set a limestone 17 x 7 x 5 ins. 12 ins in the ground for cor of secs. 15-16-21 and 22 marked 1S on N.E. 2E on S.E. faces with 3 notches on S. and E edges; raised a mound of stones 2 ft. base 1½ ft. high W. of cor. Pits impracticable
Thence I run, on resurvey line.

chains	North bet. secs. 15 and 16
	Over mountainous land
	Descending steep N.E. slope in dense undergrowth.
23.40	Smith Fork 3 lks. wide flows N. 60° W in bottom of narrow gulch 360 ft. below cor.
23.85	Road from Old Arm Chair Resort to Parleys Canon runs parallel with stream
24.50	Begin ascent
40.00	Set a sandstone 16 x 8 x 6 in. 11 in. in the ground for 1/4 sec. cor. marked 1/4 on W. face; raised a mound of stones 2 ft. base 1½ ft. high W. of cor. Pits impracticable. —
	No trace of original cor. could be found
50.00	Top of ridge runs N. 65° W. and S. 70° E. 300 ft. above gulch. — Descending along spur to
80.00	The cor of secs. 9-10-15 and 16 as found; a limestone 22 x 12 x 6 in. set 5 in. in the ground and properly marked, mound scattered; I reset stone 16 in. in the ground marked with 4 notches on S. and 3 notches on E. edges; raised a mound of stones 2 ft base 1½ ft. high W. of cor Pits impracticable
	This cor. stands 400 ft. below top of ridge
	Land mountainous
	Soil gravely and rocky 3rd rate
	No timber. — Dense oak and maple undergrowth
	Mountainous land 80.00 chs. —
	S. 88° 58' E. bet. secs. 10 and 15
	Over mountainous land
.75	Descending abruptly in dense undergrowth
10.30	Bottom of hollow drains N. 200 ft below spur. —
	Ascending
20.00	Top of spur runs N. 175 ft. above hollow
	Descending
32.10	Dry wash in bottom of hollow draining N. 240 ft below spur. —
	Ascending broken slope to
40.86	Set a limestone 16 x 9 x 5 in. 12 in. in the ground for 1/4 sec cor. marked 1/4 on N. face; raised a mound of stones 2 ft. base 1½ ft. high N of cor. Pits impracticable. — This cor. is set at proportionate distance

Resurvey – Subdivision of T. 1 S R 2 E

chains	
	No trace of original cor. could be found
45.00	Top of spur runs N. 325 ft. above hollow.– Descending
64.25	Bottom of hollow 240 ft. deep. drains N. ascending
69.60	Top of spur 150 ft. above hollow runs N.–descend
68.30	Old brokendown fence bears N.W. and S.E. in head of hollow draining N.W. – ascending
76.70	Top of spur runs N 28° W. 120 ft. above hollow Descending to
81.72	The cor of secs. 10-11-14 and 15 as heretofore described
	Land Mountainous
	Soil gravely wash 3rd rate
	No timber
	Dense undergrowth of oak, maple and thorn
	Mountainous land 81.72 chs.—
	July 8, 1902

July 9: Having been unable to find any trace of the cor. of secs. 16-17-20 and 21 upon which to close my survey I go to the cor. of secs. 8-9-16 and 17 which is a stone firmly set marked and witnessed as described by the surveyor general– And from said cor. run south on a blank retracement line bet. secs. 16 and 17: At 40.00 chs. a carefull search failed to discover any trace of the ¼ sec cor.: At 60.50 chs. search was made for the witness cor. of secs. 16-17-20 and 21 but no trace of it could be found and I therefor continue my line to

80.00	Set a limestone 17×9×5 in. 12 in. in the ground for cor. of secs. 16-17-20 and 21 marked with–3 notches on S. and 4 notches on E. edges: raised a mound of stones 2 ft. base 1½ ft. high W. of cor. Pits impracticable.–
	Thence I run, on resurvey line North bet. secs. 16 and 17 Over mountainous land Descending gradually in rocky broken slope in dense undergrowth—
28.60	Top of spur runs N. 30° W.– Descending abruptly

chains	
34.60	Bottom of gulch draining N.W. 200 ft. below spur Ascending to
40.00	Set a sandstone 16x9x6 ins. 11 ins. in the ground for 1/4 sec. cor. marked 1/4 on W. face: raised a mound of stones 2 ft. base 1½ ft. high W. of cor. Pits impracticable.– No trace of original 1/4 sec. cor. could be found
47.00	Top of spur runs N.W. 175 ft. high.– Descend
60.30	Bottom of hollow draining N.W 275 ft. below spur Ascending.–
69.00	Top of spur runs N.W. 100 ft. above hollow.– Descending
75.05	Road from Parley's Canon to Old arm Chair Summer Resort bears N 80° W and S. 85° E.
75.35	Smith Fork 3 lks. wide flows W. in gulch 90 ft. deep Ascending to
79.00	Top of spur runs W. 60 ft. high
80.00	The cor. of secs. 8-9-16 and 17 as heretofore described Land mountainous Soil gravelly and rocky 3rd rate No timber.– Dense undergrowth of oak maple and thorn Mountainous land 80.00 chs.— July 9: The sky being overcast during the noon hour I was unable to observe the sun on the meridian.–

In order to make proper closing of sec. 16 I run East on a blank retracement line bet. secs. 9 and 16: At 40.60 chs. the 1/4 sec. cor. bears S. 2.11 chs. which falling corresponds to a course of S 87°2' E.: at 81.30 chs the cor. of secs. 9-10-15 and 16 bears S. 2.89 chs which answers to a course for the last half mile of S. 88°54' E.– The line being deficient in alligment and measurement I make the following resurvey.–

From the cor. of secs. 9-10-15 and 16 as heretofore described I run

N. 88°54' W. bet. secs. 9 and 16

Over mountainous land

chains
14.50 Descending on N.W. slope in dense undergrowth -
Head of hollow drains N.10° W. 125 ft. below cor.
Ascending gradually to -
30.75 Top of spur runs N 75° W. 100 ft. above hollow
Descending on S.W. slope to -
40.70 The 1/4 sec. cor. as found being a sandstone 7.5 x 8 x 5 inc set 5 inc. in the ground properly mar mound scattered. - I reset stone 12 inc. in the ground for 1/4 sec. cor. marked 1/4 on N. face: raised a mound of stones 2 ft. base 1½ ft. high N. of cor. Pits impracticable
Thence I run N.87°02' W.
On gradual descent
22.50 Top of spur runs W. from N.80° E
Thence along top of spur to -
40.00 The cor. of secs. 8-9-16 and 17 as heretofore described
Land mountainous
Soil gravely crash 3rd rate -
No timber -
Dense undergrowth of oak and maple
Mountainous land 81.30 chs. -

July 9, 1902

July 10: Having been unable to find the cor. of secs. 17-18-19 and 20 nor get any knowledge of the cor of secs. 7-8-17 and 18, I go to the cor. of secs. 8-9-16 and 17 as above described and run west on a blank retracement line bet. secs. 8 and 17: At 40.00 chs. a carefull search failed to discover any trace of the 1/4 sec. cor.: At 74.66 chs. the cor. of secs. 7-8-17 and 18 bears S. 48 lks. which falling answers to a course of S 89° 38' W. -
From this cor. I continue my line as before South bet. secs. 17 and 18: At 40.00 chs. no trace of the 1/4 sec. cor. could be found: at 80.00 chs. a carefull search failed to discover any trace of the cor. of secs. 17-18-19 and 20; therefor I set a limestone 18 x 10 x 6 inc. 12 inc. in the ground for cor of secs. 17-18-19 and 20 marked with - 3 notches on S. and 5 notches on E edges: raised a mound of stones 2 ft. base 1½

chains ft. high W. of cor. Pits impracticable
The corners being in part missing, distance and alligument deficient I make the following resurveys:—
North bet secs. 17 and 18
Over mountainous land
Descending abruptly on rocky slope in dense undergrowth.—
29,90 Parleys Creek 20 lks wide flows S 60° W in bottom of narrow canon 700 ft. below Cor.
Ascending gradually to
30,25 Track of Utah Central Railroad course parallel with creek
30,90 County Road course N.E. and S.W.
Begin abrupt ascent
34,90 Top of spur runs S.W. 50 ft high.- Descending
37,25 mouth of hollow drains S.W.-
Ascending abruptly on rolling slope
40,00 Set a sandstone 17×8×6 ins. 11 ins. in the ground for 1/4 sec. cor. marked 1/4 on W. face; raised a mound of stones 2 ft. base 1½ ft. high
W. of cor. Pits impracticable
No trace of original cor could be found
80,00 The cor. of secs. 7-8-17 and 18 as found; a sandstone 13×9×5 ins. set 4 ins. in the ground and properly marked — mound scattered
I reset stone 9 ins. in the ground marked with 4 notches on S. and 5 notches on E. edges raised a mound of stones 2 ft. base 1½ ft. high
W. of cor. Pits impracticable
This cor. stands 775 ft. above creek
Land mountainous
Soil gravely and rocky 4th rate
No timber.- Dense brush undergrowth-
Mountainous land 80,00 chs—

N. 89°38' E. bet. secs. 8 and 17.
Over mountainous land
Descending gradually on steep S. slope
18,40 Head of hollow drains S.W. 200 ft. below cor.—
Ascending.-

Resurvey – Subdivision of T 1 S R 2 E

chains	
33.50	Top of spur runs S.W. 225 ft. above hollow Begin abrupt descent on broken slope
37.33	The proportionate distance: set a limestone 17x 8x 6 ins. 12 ins. in the ground for 1/4 sec cor. marked 1/4 on N. face: raised a mound of stones 2 ft. base 1½ ft. high N. of cor. Pits impracticable
63.15	County road bears N.E. and S.W. in bottom of Parleys Canon. –
63.97	Utah Central Railroad track bears N.E. and S.W.
65.00	Parleys Creek 20 lks wide flows S 50° W 900 ft. below spur. – Ascending
74.66	The cor. of secs. 8-9-16 and 17 as heretofore described This cor. stands 90 ft. above creek Land mountainous Soil rocky and gravely 4th rate – No timber Dense oak and maple undergrowth – Mountainous land 74.66 chs. –

In order to make proper closing of sec. 33 I run from the cor. of secs. 28-29-32 and 33 South – on a blank retracement line bet. secs. 32 and 33. – At 40.00 chs. no trace of the 1/4 sec. cor could be found: at 81.66 chs. the cor. of secs. 4-5-32 and 33 on S. bdy. of Tp. bears E 17 lks. dist. –
The 1/4 sec. cor. being missing and the allignment in error I resurvey this line as follows:
From the cor. of secs. 4-5-32 and 33 on S. bdy. of Tp. as heretofore described I run N. 0° 7' W bet. secs. 32 and 33
Over mountainous land
Descending steep, rocky and broken slope on S. side of canon, in scattering timber

40.83	The proportionate distance – I set a limestone 18x 9x 6 ins. 12 ins. in the ground for 1/4 sec. cor. marked 1/4 on W. face: raised a mound of stones 2 ft. base 1½ ft. high W. of cor. Pits impracticable. – No trace of old 1/4 sec. cor could be found but a carefull search was made for it

Resurvey - Subdivision T 1 S. R. 2 E

Chains	
81.00	Descent becomes gradual in bottom of Mill Creek Canon course easterly and westerly
81.66	The cor. of secs. 28-29. 32 and 33 as heretofore described This cor. stands 1100 ft. below the cor. of secs. 4-3-32 and 33 Land mountainous Soil rocky and gravely 4th rate Timber scattering pine and mahogany Dense maple and oak brush Mountainous land 81.66 chs. - July 10. 1902

General Description

For general description see notes of subdivision of this Tp. Book "R"

Andrew P Hanson
U. S. Dep. Surveyor

BLANK

PAGE

BLANK

PAGE

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by Andrew P. Hanson, United States Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the re-survey of subdivision lines of Tps. 2 S R 3 E and Tps. 1 S R 2 E showing the respective capacities in which they acted:

Edward L. Jones Jr., Chainman.
Willis B. Booter, Chainman.
Edward L. Jones Jr., Moundman.
Harold L. Hobbs, Moundman.
Willis B. Booter, Axman.
Frank Hyde Jr., Axman.
Harold L. Hobbs, Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted Andrew P. Hanson, United States Deputy Surveyor, in re-surveying all hose parts or portions of the subdivision lines of Tps. 2 S R 3 E and Tps. 1 S R 2 E of the Salt Lake Base and meridian, State of Utah, which are represented the foregoing field notes as having been re-surveyed by him and under his direction; and that said re-survey as been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the orner monuments established, according to the instructions furnished by the United States Surveyor eneral for Utah

Edward L. Jones Jr., Chainman.
Willis B. Booter, Chainman.
Edward L. Jones Jr., Moundman.
Harold L. Hobbs, Moundman.
Willis B. Booter, Axman.
Frank Hyde Jr., Axman.
Harold L. Hobbs, Flagman.

bscribed and sworn to before me this 12th day of July, 1902

SEAL

Sam Raney
Notary Public

6—151

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, Andrew P. Hanson, United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from Edward H. Anderson United States Surveyor General for the State of Utah, bearing date of the 12th day of April, 1901, 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 State of Utah, the Manual of Surveying Instructions, and the laws of the United States, re surveyed all those parts or portions of the subdivisional lines in T3S R6 5 & 4 E – T2S R3 E & T1S R2 E

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

Andrew P. Hanson
United States Deputy Surveyor

Subscribed by said Andrew P. Hanson, and sworn to before me this 9th day of December 1902 ~~189~~

Edward H. Anderson
U. S. Surveyor General for the State of Utah

SEAL

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah June 9 1903, ~~189~~

The foregoing field notes of the re survey of the subdivisional lines of Township 1 South Range 2 East of the Salt Lake Base & Meridian, Utah

executed by Andrew P. Hanson under his contract No. 244, dated April 12, 1901, ~~189~~, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the re surveys they describe, are hereby approved.

Edward H. Anderson
United States Surveyor General

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

United States Surveyor General

6—151

BLANK

PAGE

BLANK

PAGE

A.

BOOK A-292

FIELD NOTES

OF THE Re SURVEY OF THE

K.J.B.

Subdivisions

of

Township 9 North Range 3 West

Of the Salt Lake Base and Meridian,

State of Utah

AS SURVEYED BY

Alfredo R. Talamantes, United States Deputy Surveyor,

Under his Contract No. 256, dated September 2d 1902, ~~189~~

Survey commenced October 6 1902, ~~189~~

Survey completed October 7 1902, ~~189~~

6—151

[illegible] 1.07.00

NAMES AND DUTIES OF ASSISTANTS.

Fred Hansen	Chainman
John W. Young	Chainman
Henry Hansen	Roundman
David E Young	Flagman

6—151

BOOK A-292

INDEX DIAGRAM.

Township 9N, *Range* 3W

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

393

Meanders Page

6—151

PRELIMINARY OATHS OF ASSISTANTS.

WE, Fred Hansen and John W Young 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 re survey of the subdivision of T. 9 N. R. 3 W. Salt Lake Base and Meridian Utah

Fred Hansen, Chainman.

John W. Young, Chainman.

Subscribed and sworn to before me this 6 day of October 1902, 189

Norman Lee
Notary Public

SEAL

WE, Henry Hansen 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 me, to the best of my skill and ability, in the re survey of the subdivision of T. 9 N. R. 3 W. Salt Lake Base and Meridian Utah

Henry Hansen, Moundman.

, Moundman.

Subscribed and sworn to before me this 6 day of October 1902, 189

Norman Lee
Notary Public

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, David E Young, do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the re survey of the subdivision of T. 9 N. R. 3 W. Salt Lake Base and Meridian Utah

x David E. Young, Flagman.

Subscribed and sworn to before me this 6 day of October 1902, 189

Norman Lee
Notary Public

SEAL

6-4151

Resurvey of Subdivision of T. 9 N. R. 3 W.

Chains	
	Resurvey commenced Oct. 6, 1902 and executed with a W. & L. E. Gurley light mountain transit with solar attachment. The horizontal limb is provided with the two double verniers placed opposite each other reading to single minutes or arc. which is the least count of the verniers of the latitude and declination arcs.
	The instrument was examined and tested on the true meridian at Salt Lake City found correct and was approved by the suveyor general for Utah Oct. 4, 1902 I examined the adjustments of the transit and corrected the levels and collimation arrors: then to test the solar apparatus, by comparing its indications resulting from solar observations made during a. m. and p. m, hours with a meridian determined by observation Polaris. I proceed as follows:
	At my camp situated about 15 chs. N. and 4 m. 7 chs. W. of the corner of sections 27-28-33 and 34, Tp. 9 North Range 4 W., latitude 41° 29'N., longitude 112° 16'W. with instrument set over nail in hub 6 ins. sq. firmly set in the ground. I set off 41° 29'N. on the lat. arc 5° 01'S. on the decl. arc and at 4 h. 00m. p. m. l. m. t. determine with the solar a true meridian and mark a point thereof on a hub firmly set in the ground 5 chs. N. of the instrument.
	Oct. 6, 1902 At 12 h. 25 m. l. m. t. observe Polaris at upper culmination in accordance with instructions in the Manual and mark the true meridian thus determined by a small nail driven in the hub set Oct. 6, on which the meridian falls 0.3 ins. East of the mark determined by the solar.

Resurvey of Subdivisions of T. 9 N. R. 3 W.

Chains Oct. 7 At 8 h. 5 m. a. m. l. m. t., I set off 41° 29'N. on the lat. arc 5° 16'S. on the decl. arc and mark a point in the meridian determined with the solar by a groove on the hub already set 5 chs. N. of my station. this mark falls 0.2 ins. East of the meridian established by the Polaris observations. The solar apparatus by p. m. and a. m. observation derines position for true meridian respectively about 0' 16" East and 0' 10" West of the meridian established by Polaris observations; therefore, I conclude that the adjustments of the instruments are satisfactory. The magnetic bearing of the true meridian at 8 h. 30 m. a. m. is N. 18° 08 W. the angle thus determined gives the mag. decl. 18° 08'E.

Being unable after diligent search in the vicinity of the standard cor. for Tps. 9 N. Rs. 3 and 4 W. to find any trace of said corner I proceed to the nearest government sec. cor. known to exist which is the sec. cor. of secs. 27, 28, 33 and 34 T. 9 N. R. 3 W. The same being a pine post 4 ins. sq. 16 ins. above ground firmly set, properly marked and witnessed and identified to me by disinterested witnesses whose affidavits are herewith attached as being in the original position as set by Deputy Troskolawski in 1856. In order to satisfy myself as to the identity of this corner and to establish the fact beyond a doubt that the cor. above described was in the original position as set by Deputy Troskolawski, I run North on a retracement line along fence, (said fence has indications of being built a great many years) bet. secs. 27 and 28 and at 39.97 chs. fall 35 lks. East of 1/4 sec. cor. bet. secs. 27 and 28 which is a

Chains	
	pine post 3 in. sq. 18 ins. above ground firmly set and properly marked and witnessed.
	The course of line is therefore N. 0° 30'W. and distance 39.97 chs.
	I return to cor. of secs. 27, 28, 33 and 34 previously described and run South on the retracement line along wire fence bet. secs. 33 and 34 at 18.18 chs. fall 16 lks. West of the meander cor. of fracl. secs. 33 and 34 on the North bank of Bear River which is a pine post 2x4 ins. 16 ins. above ground firmly set and properly marked and witnessed.
	The course of this line is therefore S. 0° 30'E. Dist. 18.18 chs.
	From meander cor. I run South 0° 30'E. on a blank line bet. secs. 33 and 34 counting from cor. of secs. 27, 28, 33 and 34 at 25.40 chs. ; after diligent search within the radius of 10 chs. no meander cor. could be found at 40.00 chs. after diligent search no 1/4 sec. cor. could be found and at 80.00 chs. after diligent search within a radius of 10 chs. no standard cor. to secs. 33 and 34 could be found.
	I return to the meander cor. of fracl. secs. 33 and 34 T. 9 N. R. 3 W. on the North bank of Bear River previously described and at 4 h. 10 m. p. m. l. m. t. I set off 41° 29'N. on the lat. arc 5° 23'S. on the decl. arc and determined with the solar a true meridian.
	Thence I run on the course which my retracement indicated on the North 1/2 mile bet. secs. 33 and 34 was S. 0 30'E.
	S. 0 30'E. on a resurvey line bet. secs. 33 and 34
	Over level land
	Counting from Sec. cor.

Chains

21.57 South bank of Bear River bear W.

Set a cottonwood post 4 ft. long 3 ins. sq. 24 ins. in the ground for meander cor. of fracl. secs. 33 and 34 marked M. C. on N.

T. 9 N. on S.

R. 3 W. S. 34 on E. and

S. 33 on W. face: dig pit 36x36x12 ins. 8 ft. S. of post, and raise a mound of earth 4 ft. base 2 ft. high S. of cor.

27.50 Wire fence bear E. and W.

29.00 Road bear E. and W.

40.00 Set a pine post 4 ft. long 4 ins. sq. with marked stone 24 ins. in the ground for 1/4 sec. cor. marked 1/4 S. 33 on W. S. 34 on E. face: dig pits 18x18x12 ins. N. and S. of post. 3 ft. dist., and raise a mound of earth 3-1/2 ft. base 1-1/2 ft. high W. of post. Thence I run South along the course given in the original survey.

44.84 Telephone line bet. Brigham City and Bear River Gun Club bear N. 85° W. and S. 85° E.

80.00 Set a pine post 4 ft. long 4 ins. sq. with marked stone 24 ins. in the ground for the standard cor. of secs. 33 and 34 marked

S. C. T. 9 R. 3 W. on N.

S. 34 on E. and

S. 33 on W. face with 3 grooves on E. and W. face: dig pits 24x18x12 ins. crossrise on each line E. and W. 3 ft., and N. of post 7 ft. dist., and raise a mound of earth 4 ft. base, 2 ft. high N. of cor.

Land level

Soil Alkali 4th rate

Chains	No timber For the general description see original notes of the subdivision of T. 9 N. R. 3 W. Oct. 7, 1902. Alfredo R. Tatamantes U. S. Deputy Surveyor

Volume
#
R0292

BLANK

PAGE

State of Utah)
) SS.
County of Box Elder)

I, Nels C. Christensen being first duly sworn deposes and say that I am a citizen of the United States and am 39 years of age; that I have been acquainted with the premises hereinafter mentioned for the past nine years; that the monuments now existing at the quarter corner between sections 27 and 28 and at the section corners of sections 27, 28, 33 and 34 all in township No. No. Nine (9) North of Range Three (3), West of the Salt Lake Meridian are exactly in the same place as the original monuments were placed by the government surveyor at the time of the original survey, to the best of my knowledge.

Nels C. Christensen

Subscribed and sworn to before me by the said Nels C. Christensen this 8th day of December A. D. 1902.

Norman Lee
Notary Public.

BLANK

PAGE

State of Utah)
) SS.
County of Box Elder)

I, V. F. Davis being first duly sworn depose and say that I am a citizen of the United States and am 37 years of age; that I have been acquainted with the premises hereinafter mentioned for the past fifteen years; that the monuments now existi at the quarter corner between sections 27 and 28 and at the section corners of sections 27, 28, 33 and 34 all in township No. No. Nine (9) North of Range Three (3), West of the Salt Lake Meridian are exactly in the same place as the original monuments were placed by the government surveyor at the time of the original survey, to the best of my knowledge.

V. F. Davis

Subscribed and sworn to before me by the said V. F. Davis this 15th day of December A. D. 1903.

Norman Lee
Notary Public.

BLANK

PAGE

BOOK A-292

State of Utah)
) ss.
County of Box Elder)

I, N. P. Anderson being first duly sworn depose and say that I am a citizen of the United States and am 54 years of age; that I have been acquainted with the premises hereinafter mentioned for the past 15 years; that the monuments now existi at the quarter corner between sections 27 and 28 and at the section corners of sections 27, 28, 33 and 34 all in township No. ~~Ne.~~ Nine (9) North of Range Three (3), West of the Salt Lake Meridian are exactly in the same place as the original monuments were placed by the government surveyor at the time of the original survey. to the best of Knowledge

N. P. Anderson
U. S. Deputy Survey

Subscribed and sworn to before me by the said N. P. Anderson this 15th day of December A. D. 1902.

Norman Lee
Notary Public.

BLANK

PAGE

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by Alfredo R Talamantes, 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 T 9 N. R. 3 W. Salt Lake Base and Meridian Utah showing the respective capacities in which they acted:

Fred Hansen, *Chainman.*
John W Young, *Chainman.*
Henry Hansen, *Moundman.*
, *Moundman.*
, *Axman.*
, *Axman.*
David E Young, *Flagman.*

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted AR Talamantes, United States Deputy Surveyor, in surveying all those parts or portions of the subdivision of T 9 N. R. 3 W. of the Salt Lake Base and meridian, in the state of Utah, which are represented in the foregoing field notes as having been surveyed by 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.

Fred Hansen, *Chainman.*
John W. Young, *Chainman.*
Henry Hansen, *Moundman.*
, *Moundman.*
, *Axman.*
, *Axman.*
David E. Young, *Flagman.*

Subscribed and sworn to before me this 12 day of October 1902, 189-

Norman Lee
Notary Public

SEAL

6—161

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, Alfredo R. Talamantes, United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from Edward M. Anderson United States Surveyor General for the State of Utah, bearing date of the 2nd day of September 1902, 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 State of Utah, the Manual of Surveying Instructions, and the laws of the United States, resurveyed all those parts or portions of the subdivisional lines of Township 9 North Range 3 West of the Salt Lake Base and meridian, in the State of Utah, which are represented in the foregoing field notes as having been resurveyed by me, and under my direction; and I do further solemnly swear that all the corners of said resurvey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for the State of Utah and in the specific manner described in the field notes, and that the foregoing are the original field notes of such resurvey; and should any fraud be detected, I will suffer the penalty of perjury under the provisions of an Act of Congress approved August 8, 1846.

Alfredo R. Talamantes
United States Deputy Surveyor.

Subscribed by said Alfredo R. Talamantes and sworn to before me this 31st day of December 1902 189

Edward M. Anderson
U. S. Surveyor General for the State of Utah.

SEAL

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, Jan. 19, 1903. 189

The foregoing field notes of the resurvey of the subdivisional lines of Township 9 North Range 3 West of the Salt Lake Base and Meridian Utah

executed by Alfredo R. Talamantes under his contract No. 256, dated September 2, 1902, 189, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the resurveys 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

B.

BOOK A-292

FIELD NOTES

OF THE Re SURVEY OF THE

H.J.B

Second Standard Parallel North
through
Range 3 West

Part Red Ink
Notation

Of the Salt Lake Base and Meridian,
State of Utah

AS SURVEYED BY

Alfredo R. Talamantes, United States Deputy Surveyor,

Under his Contract No. 256, dated September 2, 1902, 189

Survey commenced October 8 1902, 189

Survey completed October 10 1902, 189

6—151

Com 3.05 58

NAMES AND DUTIES OF ASSISTANTS.

Fred Hansen	Chainman
John W. Young	Chainman
Henry Hansen	Chainman
David E Young	Chainman
Henry Hansen	Rodman
David E Young	Flagman

6—151

BOOK A-292

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, Fred Hansen David E Young and John W Young and Henry ..... 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 ~~a~~ survey of the second Standard Parallel north through Range 3 west Salt Lake Base and Meridian Utah

Fred Hansen
John W. Young, Chainman.
David E. Young Chainman.
Henry Hansen

Subscribed and sworn to before me this 6 day of October 1902 ~~189~~

Norman Lee
Notary Public

SEAL

WE, Henry Hansen and ..... do solemnly swear that ~~we~~ I will well and truly perform the duties of moundman in the establishment of corners, according to the instructions given ~~us~~ me, to the best of ~~our~~ my skill and ability, in the ~~a~~ survey of the second Standard Parallel north through Range 3 W. Salt Lake Base and Meridian Utah

Henry Hansen, Moundman.
....., Moundman.

Subscribed and sworn to before me this 6 day of October 1902, ~~189~~

Norman Lee
Notary Public

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 6 day of ....., 189

SEAL

I, David E. Young, do solemnly swear that I will well and trul perform the duties of flagman according to instructions given me, to the best of my skill and ability, in th survey of the second Standard Parallel north through Range 3 Salt Lake Base and Meridian Utah

David E. Young Flagman.

Subscribed and sworn to before me this 6 day of October 1902, ~~189~~

Norman Lee
Notary Public

SEAL

6—13

Resurvey of the 2nd Standard Parallel North Through 3 W.

Chains | Resurvey commenced Oct. 8, 1902. and executed with a W. & L. E. Gurley light mountain transit with solar attachment: the horizontal limb being provided with two double verniers placed opposite each other reading single minutes of arc which is also the least count of the verniers of the first and declination arcs.

For a complete test of the solar apparatus see Book A

Preliminary to commencing the resurvey of the 2nd. Standard Parallel North I proceed to the standard cor. of secs. 33 and 34 Tp. 9 N. R. 3W. established by me Oct. 7, described in Book, A.

Thence I run W. on a blank line along the S. bdy. of Tp. on the 2nd standard parallel North, a distance of 3 miles searching for a standard 1/4 sec. and sec. cors, at respective intervals 40.00 and 80.00 chs. and no cors. being found I set a temporary 1/4 and sec. cors. at said distances in order to ascertain the proper position for standard cor. to Tps. 9 N. Rs. 3 and 4 W. I proceed to the 1/4 sec. cor. bet. secs. 1 and 6 Tps. 9 N. Rs. 3 and 4.

Oct. 10, 1902. I return to the standard cor. of secs. 33 and 34 T. 9 N. R. 3 W., described in Book "A". Having found by the survey of the West boundary of T. 9 N. R. 3 W. and the re-establishing of the standard cor for Tps. 9 N. Rs. 3 and 4 W. that the proportionate length for the South bdys. of secs. 31, 32 and 33 T. 9 N. R. 3 W. would be 81.86 chs..

Resurvey of 2nd Standard Parallel North Through 3 W.

Chains	
	I resurvey 2nd Standard parallel North as follows:
	At 8 h. 00 m. a. m. l. m. t. I set off 41 28'N. on the lat. arc 6 25'S. on the decl. arc and determine with the solar a true meridian.
	Thence I run
	West on a true line on the S. bdy. of sec. 33
	Over level land
11.76	Flood canal drains S.
17.95	Wire fence bears N. and S.
	Difference between measurements of 40.93 chs by two sets of chainmen is 2 lks. position of middle point.
	By 1st set. 40.92 chs.
	By 2nd. set 40.94 chs. the mean of which is
40.93	Set a pine post 3-1/2 ft. long 3 ins. sq. with marked stone 24 ins. in the ground for standard 1/4 sec. cor. marked S. C. 1/4 S.33 on N. face: dig pits 18x18x12 ins. E. and W. of post 3 ft. dist., and raise a mound of earth 3-1/2 ft. base 1-1/2 ft. high N. of cor.
	Difference bet. measurements of 81.86 chs. by two sets of chainmen is 4 lks. position of middle point.
	By 1st set 81.84 chs.
	By 2nd set 81.88 chs. the mean of which is
81.86	Set a pine post 4 ft. long 4 ins. sq. with marked stone 24 ins. in the ground for standard cor. of secs. 32 and 33 marked
	S. C. T.9 N.R.3 W. on N.
	S. 33 on E. and
	S. 32 on W. face with four grooves on E. and 2 grooves on W. face: dig pits 24x18x12 ins. crosswise on each line E. W. 3 ft. and N. of post 7 ft.: and raise a mound of earth 4 ft. base 2 ft. high N. of cor.

Chains	
	Land level
	Soil alkali 4th rate
	No timber
	West on S. bdy. of Sec. 32
	Over level land
	Difference between measurements of 40.93 chs. by two sets of chainmen is 2 lks. position of middle point
	By 1st set 40.94 chs.
	By 2nd set 40.92 chs the mean of which is
40.93	I set a pine post 4 ft. long 3 ins. sq. with marked stone 24 ins. in the ground for standard 1/4 sec. cor. marked S. C. 1/4 S. 32 on N. face; dig pits 18x18x12 ins. E. and W. of post 3 ft. dist.; and raise a mound of earth 3-1/2 ft. base 1-1/2 ft. high N. of Cor
	(Note) The original survey shows that at 54 chains the line crosses a bend of the South bank of the Bear River. At this point at the present time the South bank of the river is about 18 chs. North of the line. The old survey shows the river at this point to be about 25 chs. in width.
	At the present time the river is about 4 chains wide.
	At this point the bank of the river shows evidences of having been filled in within recent years and from present indications it is entirely probable that at the time the original survey was made the South bank of the river extended to this line and the river was of the width indicated in that survey.

Chains	
57.14	Enter willows bear N. 10° E. and S.W.
57.24	Willow creek or overflow of Bear River 14 lks. wide drains S.W.
58.64	Willow creek West Branch or overflow of Bear River 35 lks. wide drains S.
59.14	Leave willows
80.43	Flood canal 15 lks. wide drains S. W.
	Difference between measurements of 81.86 chs. by two sets of chainmen is 4 lks. position of middle point
	By 1st set 81.84 chs.
	By 2nd set. 81.88 chs. the mean of which is
81.86	Set a pine post 4 ft. long 4 ins. sq. with marked stone 24 ins. in the ground for standard cor. of secs. 31 and 32 marked
	S.C. T.9 N.R.3 W. on N.
	S.32 on E. and
	S.31 on W. face with 5 grooves on E. and 1 groove on W. face; dig pits 24x18x12 ins. crosswise on each line E. and W. 3 ft. dist. and N. of post 7 ft.; and raies a mound of earth 4 ft. base 2 ft high N. of cor.
	Land level
	Soil alkali 4th rate
	No timber
	West on the South bdy. of sec. 31.
	Over level land
	Difference between measurements of 40.93 chs. by two

Chains sets of chainmen is 4 lks. position of middle point

By 1st set 40.91 chs.

By 2nd set 40.95 chs. the mean of which is

40.93 Set a pine post 4 ft. long 3 ins. sq. with marked stone 24 ins. in the ground for a standard 1/4 sec. cor. marked S. C. 1/4 S. 31 on N. face: dig pits 18x18x12 ins. E. and W. of post 3 ft. dist.: and raise a mound of earth 3-1/2 ft. base 1-1/2 ft. high N. of cor.

54.98 Flood canal 15 lks. wide drains S.W.

Difference between measurements of 81.86 chs. by two sets of chainmen is 6 lks. position of middle point

By 1st set 81.83 chs.

By 2nd set. 81.89 chs. the mean of which is

81.86 The standard cor. of Tps. 9 N.Rs. 3 and 4 W. set by me Oct. 9 described in Book "G".

Land Level

Soil Alkali 4th rate

No timber

Oct. 10 At this cor. I set off 6 30'S. on the decl. arc and at 12 h. 00 m. l. m. t. observe the sun on the meridian the resulting lat. is 41 28'N.

For the general description see note of the subdivision of T. 9 N. R. 3 W.

Alfredo R. Talamantes

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 A. R. Talamantes, United States Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the re survey of Second Standard Parallel North through Range 3 W Salt Lake Base and Meridian Utah showing the respective capacities in which they acted:

Fred Hansen David E. Young, Chainman.
John W. Young Henry Hansen, Chainman.
Henry Hansen, Moundman.
, Moundman.
, Axman.
, Axman.
David E. Young, Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted A. R. Talamantes, United States Deputy Surveyor, in re surveying all those parts or portions of the Second Standard Parallel north through Range 3 west of the Salt Lake Base and meridian, in the state of Utah, which are represented in the foregoing field notes as having been re surveyed by him and under his direction; and that said re survey has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the corner monuments established, according to the instructions furnished by the United States Surveyor General for Utah.

Fred Hansen
John W. Young, Chainman.
David E. Young Chainman.
Henry Hansen, Moundman.
Henry Hansen, Moundman.
, Axman.
, Axman.
David E. Young Flagman.

Subscribed and sworn to before me this 12 day of October 1902, 189

Norman Lee
Notary Public

SEAL

6-151

BOX ELDER

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, Alfredo R. Talamantes, United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from Edward H. Anderson United States Surveyor General for The State of Utah, bearing date of the 2d day of September 1902, 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 State of Utah, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of The Second Standard Parallel North through Range 3 West

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

Alfredo R. Talamantes
United States Deputy Surveyor.

Subscribed by said Alfredo R. Talamantes and sworn to before me this 31st day of December 1902, 189

Edward H. Anderson
U. S. Surveyor General for The State of Utah

SEAL

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, Jan. 19, 1903, 189

The foregoing field notes of the survey of The Second Standard Par. North through Range 3 West of the Salt Lake Base & Meridian in Utah

executed by Alfredo R. Talamantes under his contract No. 256, dated September 2, 1902, 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.

6-131

BLANK

PAGE

BLANK

PAGE

4—679.

C

BOOK A-292

H.J.B.

FIELD NOTES

OF THE Re SURVEY OF THE

West Boundary

of

Township 9 North Range 3 West

Of the Salt Lake Base and Meridian,

State of Utah

AS SURVEYED BY

Alfredo R. Talamantes, United States Deputy Surveyor,

Under his Contract No. 256, dated September 2 1902, ~~189~~

Survey commenced October 8 1902, ~~189~~

Survey completed October 9 1902, ~~189~~

6—151

Lim 4-41-26

NAMES AND DUTIES OF ASSISTANTS.

Fred Hansen	Chainman
John Young	Chainman
Henry Hansen	Groundman
David Young	Flagman

Volume

#

R0292

C—151

BOOK A-292

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, Fred Hansen and John Young 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 west boundary of T. 9 N., R. 3 W. Salt Lake Base and Meridian Utah

Fred Hansen, Chainman.

, Chainman.

Subscribed and sworn to before me this 6 day of October 190, ~~189~~

Norman See
Notary Public

SEAL

We, I. Henry Hansen and do solemnly swear that ~~we~~ I will well and truly perform the duties of moundman in the establishment of corners, according to the instructions given ~~us~~ me, to the best of ~~our~~ my skill and ability, in the survey of the west boundary of T. 9 N., R. 3 W. Salt Lake Base and Meridian Utah

Henry Hansen, Moundman.

, Moundman.

Subscribed and sworn to before me this 6 day of October 190, ~~189~~

Norman See
Notary Public

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, David Young, 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 west boundary of T. 9 N., R. 3 W. Salt Lake Base and Meridian Utah

David Young, Flagman.

Subscribed and sworn to before me this 6 day of October 1902

Norman See
Notary Public

SEAL

Resurvey of the West Boundary of T. 9 N. R. 3 W.

Chains Resurvey commenced Oct. 8, 1902. and executed with a W. & L. E. Gurley light mountain transit with solar attachment. The horizontal limb is provided with two double verniers placed opposite each other reading single minutes of arc which is also the least count o the verniers or the lat. and decl. arcs.

For a complete test of solar apparatus see Book A

In order to properly re-establish the standard cor. for Tps. 9 N. Rs. 3 and 4 W. I proceed to the 1/4 cor. bet. secs. 1 and 6 T. 9 N. Rs. 3 and 4 W. which is a cedar post 3 ins. sq. 18 ins. above ground marked and witnessed as described by the Surveyor General.

Oct. 8 at 2 h. 05 m. p. m. l. m. t. I set off 41° 33' N. on the lat. arc 5° 46' S. on the decl. arc and determined a true meridian with the solar.

Thence I run

South on retracement line bet. secs. 1 and 6 and at 40.00 chs. fall 4 lks. W. of cor. of secs. 1, 6, 7 and 12 which is a line stone 6x8x6 ins. above ground marked and witnessed as described by the surveyor general. From sec. cor.

I run South bet. secs. 7 and 12 and at 40.04 chs. intersect the 1/4 sec. cor. bet. secs. 7 and 12 which is a lime stone 6x6x5 ins. above ground marked and witnessed as described by the surveyor general. The stone was badly crumbled, therefore, I re-established the cor. as follows.

Set a cedar post 4 ft. long 4 ins. sq. with marked stone 24 ins. in the ground for 1/4 sec. cor. marked 1/4 S. 12 on W. S. 7 on E. face; pits are intact.

From 1/4 cor. I run S. on a blank line on W. bdy. T. 9 N. R. 3 W. at 40.00 chs. after diligent search within

Chains a radius of 5 chs. the sec. cor. of secs. 7, 12, 13 and 18 could not be found. Therefore I continue my line S. searching for Secs. and 1/4 sec. cor. At intervals of 40.00 and 80.00 chs. and finding none at 361.26 chs. I fall 5.58 chs. W. of temp. standard. cor. for Tps. 9 N. Rs. 3 and 4 W. previously set.

Oct. 8, 1902.

Oct. 9, 1902 I return to the 1/4 sec. cor. bet. secs. 7 and 12 Tps. 9 N. Rs. 3 and 4 W. previously described and resurvey the W. bdy. of Tp. 9 N. R. 3 W. as follows: Knowing from my intersection with the 2nd standard parallel North that the proportionate distance for each mile would be 80.28 chs.

At 8 h. 10 m. a. m. l. m. t. I set off 41° 32'N. on the lat. arc 6° 02'S. on the decl. arc and determined with the solar a true meridian.

Thence I run

South on a true line bet. secs. 7 and 12

Over level land

40.14 Set a pine post 4 ft. long 4 ins. sq. with marked stone 24 ins. in the ground for cor. of secs. 7, 12 13 and 18 marked

T. 9 N. S. 7 on N. E.

R. 3 W. S. 18 on S. E.

S. 13 on the S. W. and

R. 4 W. S. 12 on the N. W. faces with two notches on the N. and 4 notches on S. edges: dig pits 18x18x12 ins.

Chains	
	in each sec. 5-1/2 ft. dist.: and raise a mound of earth 4 ft. base 2 ft. high W. of cor.
	Land level
	Soil alkali 4th rate
	No timber
	South on a true line between secs. 13 and 18
	Over level land
24.86	Enter marsh E. and W.
40.11	Set a pine post 4 ft. long 4 ins. sq with marked stone 24 ins. in the ground for 1/4 sec. cor. marked 1/4 S. 13 on W. S. 18 on E. face: dig pits 18x18x12 ins. N. and S. of post 3 ft. dist.: and raise a mound of earth 3-1/2 ft. base 1-1/2 ft. high W. of cor.
80.28	Set a pine post 4 ft. long 4 ins. sq with marked stone 24 ins. in the ground for cor. of secs. 13, 18, 19 and 24 marked
	T. 9 N. S. 18 on N. E.
	R. 3 W. S. 19 on S. E.
	S. 24 on S. W. and
	R. 4 W. S. 13 on N. W. face with 3 notches on N. and S. edges: dig pits 18x18x12 ins. in each sec. 5-1/2 ft. dist. and raise a mound of earth 4 ft. base 2 ft. high W. of cor.
	Land level
	Soil marshy 4th rate
	No timber

Resurvey of the W. Bouddary of T. 9 N. R. 3 W.

Chains	
	South on a true line bet. secs. 19 and 24
	Over level land
14.58	Leave marsh E. and W.
40.14	Set a cedar post 4 ft. long 3 ins. sq. with marked stone 24 ins. in the ground for 1/4 sec. cor. marked 1/4 S. 24 on W.S. 19 on E. face: dig pits 18x18x12 ins. N. and S. of post 3 ft. dist.: and raise a mound of earth 3-1/2 ft. base 1-1/2 ft. high W. of cor.
80.28	Set a cedar post 4 ft. long 4 ins. sq. with marked stone 24 ins. in the ground for cor. of secs. 19, 24 25 and 30 marked T. 9 N. S. 19 on N. E. R. 3 W. S. 30 on S. E. S. 25 on S. W. and R. 4 W. S. 24 on N. W. face with 4 notches on N. and 2 notches on S. edges: dig pits 18x18x12 ins. in each sec. 5-1/2 ft. dist.: and raise amound of earth 4 ft. base 2 ft. high W. of cor.
	Land level
	Soil marshy and alluvial 4th and 3rd rate
	No timber
	South on a true line bet. secs. 25 and 30
	Over level land
38.80	Flood canal drains N. 30. W.
40.14	Set a cedar post 4 ft. long 4 ins. sq with marked stone 24 ins. in the ground for 1/4 sec. cor. marked 1/4 S. 25 on W.S. 30 on E. face: dig pits 18x18x12 ins. N. and S. of post 3 ft. dist and raise a mound of

Chains	
	earth 3-1/2 ft. base 1/2 ft. high W, of cor.
49.79	North bank of Bear River bears E, and W.
	Set a pine post 4ft. long 4 ins. sq. with marked stone 24 ins. in the ground for meander cor. of fracl. Secs. 25 and 30 marked
	M. C. on S.
	T. 9 N. on N.
	R. 4 W. S. 25 on W. and
	R. 3 W. S. 30 on E. face: dig pits 36x36x12 ins. 8ft. N. of cor. and raise a mound of earth 4ft. base 2ft. high N. of cor.
52.31	South bank of Bear River, river drains W.
	Set a cedar post 4 ft. long 4 ins. sq. 24 inches in the ground for meander cor. of fracl. secs. 25 and 30 marked
	M. C. on N.
	T. 9 N. on S.
	R. 3 W. S. 30 on E. and
	R. 4 W. S. 25 on W. face: dig pits 36x36x12 ins. 8 ft. S. of cor.: and raise a mound of earth 4 ft. base 2 ft. high S. of cor.
	Enter meadow land
66.86	Wire fence bears E. and W. also leave meadow.
79.00	Wire fence bears N. 20 W. and S. 20 E.
80.28	Set a cedar post 4 ft. long 4 ins. sq. with marked stone 24 ins. in the ground for cor. of secs. 25, 30, 31 and 36 marked
	T. 9 N. S. 30 on N. E.
	R. 3 W. S. 31 on S. E.
	S. 36 on S. W. and
	R. 4 W. S. 25 on N. W. face with 5 notches on N. and 1 notch on S. edges: dig pits 18x18x12 ins. in each sec. 5-1/2 ft. dist. and raise a mound of earth 4 ft. base

Chains 2 ft. high W. of cor.

From this cor. a cabin bears N. 38 46'W. 16.38 chs.

Belongs to Henry Hansen applicant for survey

Land level

Soil alluvial 2nd. rate

No timber

Oct. 9, at this cor. I set off 6 07'S. on the decl. arc and at 12 h. 00 m. l. m. t. observe the sun on the meridian the resulting lat. is 41° 29'N.

South on a true line between sections 31 and 36

Over level land

40.14 Set a cedar post 4 ft. long 4 ins. sq. with marked stone 24 ins. in the ground for 1/4 sec. cor. marked 1/4 S. 36 on W. S. 31 on E. face dig pits 18x18x12 ins. N, and S. of post 3 ft. dist.: and raise a mound of earth 3-1/2 ft. base 1-1/2 ft. high W. of cor.

42.69 Flood canal drains N. 60 W.

80.28 Intersect the 2nd standard parallel North, 5.58 chs. W. of temp. cor. previously set at this point of intersection I set a pine post 4 ft. long 4 ins. sq. with marked stone 24 ins. in the ground for standard cor. for Tps. 9 N. Rs. 3 and 4 W. marked

S. C. T. 9 N. on N.

R. 3 W. S. 31 on E. and

R. 4 W. S. 36 on W. face with 6 grooves on N. E. and W. faces: dig pits 30x24x12 ins. crosswise on each line E. and W. 4 Ft. and N. of post 8 ft. dist.: and raise a mound of earth 5 ft. base 2-1/2 ft. high N. of cor.

Resurvey of the W. Bdy of the T. 9 N. R. 3 W.

Chains	
	Land level
	Soil alluvial 3rd rate
	No timber
	For the general description see notes of the subdivisions of T. 9 N. R. 4 W.
	Alfredo R. Talamantes 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 A R Talamantes, United States Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the re survey of the west boundary of T 9 N, R 3 W, Salt Lake Base and Meridian Utah showing the respective capacities in which they acted:

Fred Hansen, *Chainman.*
John Young, *Chainman.*
Henry Hansen, *Moundman.*
, *Moundman.*
, *Axman.*
, *Axman.*
David Young, *Flagman.*

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted A R Talamantes, United States Deputy Surveyor, in re surveying all those parts or portions of the west boundary T 9 N, R 3 W, of the Salt Base and meridian, in the state of Utah, which are represented in the foregoing field notes as having been re surveyed by him and under his direction; and that said re survey has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the corner monuments established, according to the instructions furnished by the United States Surveyor General for Utah

Fred Hansen, *Chainman.*
John Young, *Chainman.*
, *Moundman.*
Henry Hansen, *Moundman.*
, *Axman.*
, *Axman.*
David Young, *Flagman.*

Subscribed and sworn to before me this 12 day of October 1902

Norman Lee
Notary Public

SEAL

6—151

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, Alfredo R. Talamantes, United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from Edward H. Anderson United States Surveyor General for The State of Utah, bearing date of the 9th day of September 1902, 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 State of Utah, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of The West Boundary of Township 9 North Range 3 West of the Salt Lake Base and meridian, in the State of Utah, which are represented in the foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for The State 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.

Alfredo R. Talamantes
United States Deputy Surveyor.

Subscribed by said Alfredo R. Talamantes and sworn to before me this 31st day of December 1902, 189

Edward H. Anderson
U. S. Surveyor General for the State of Utah

SEAL

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City Utah, Jan 19 1903, 189

The foregoing field notes of the survey of The West Boundary of Township 9 North Range 3 West of the Salt Lake Base & Meridian Utah

executed by Alfredo R. Talamantes under his contract No. 256, dated September 2 1902, 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

BOOK A-292

FIELD NOTES

OF THE SURVEY & Resurvey OF THE

H.B.B.

Second Standard Parallel North
through
Range 4 West

Of the Salt Lake Base and Meridian,
State of Utah

AS SURVEYED BY

Alfred R Talamantes, United States Deputy Surveyor,

Under his Contract No. 256, dated September 2 1902, 189

Survey commenced Oct 10 1902, 189

Survey completed Oct 10 1902, 189

6—191

NAMES AND DUTIES OF ASSISTANTS.

Fred Hansen	Chainman
John W. Young	"
Henry Hansen	"
David E. Young	"
Henry Hansen	Rodman
David E. Young	Flagman

6—151

Volume
#
R0292

BOOK A-292

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, Fred Hansen, David E. Young, John W. Young and Henry Hansen do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain over even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the resurvey of the second standard parallel north through Range 4 W. Salt Lake Base and Meridian Utah

Fred Hansen
John W. Young, Chainman.
David E. Young, Chainman.
Henry Hansen.

Subscribed and sworn to before me this 6 day of October 1902, ~~189~~

Norman Lee
Notary Public

SEAL

WE, Henry Hansen and ~~—~~

do solemnly swear that ~~we~~ I will well and truly perform the duties of moundman in the establishment of corners, according to the instructions given ~~us~~ me, to the best of ~~our~~ my skill and ability, in the resurvey of the second standard parallel north through Range 4 Salt Lake Base and Meridian Utah

Henry Hansen, Moundman.

....., Moundman.

Subscribed and sworn to before me this 6 day of October 1902, ~~189~~

Norman Lee
Notary Public

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, David E. Young, do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the resurvey of the second standard parallel north through Range Salt Lake Base and Meridian Utah

David E. Young, Flagman.

Subscribed and sworn to before me this 6 day of October 1902, ~~189~~

Norman Lee
Notary Public

SEAL

6—151

Resurvey of the 2nd Standard Parallel North through Range 4 W.

Chains	
	Resurvey commenced Oct. 10, 1902 and executed with a W. & L. E. Gurley light mountain transit with solar attachment. The horizontal limb is provided with two double verniers placed opposite each other reading to single minutes of arc which is also the least count of the verniers of the lat. and declination arcs.
	For a complete test of the solar apparatus see Book A.
	at 3 h. 00 m. p. m. l. m. t. I set off 41° 28'N. on the lat. arc 6°31' S. on the decl. arc.; and determine with the solar a true meridian at the standard cor. of Tps. 9 N. Rs. 3 and 4 W. described in Book C.
	Thence I run
	West on a true line on S. Bdy. of sec. 36
	Over level land
	Difference between measurements of 40.00 chs. by two sets of chainmen is 4 lks. position of middle point
	By 1st set 40.02 chs
	By 2nd set 39.98 chs. the mean of which is
40.00	Set a cedar post 4 ft. long 4 ins. sq. with marked stone 24 ins. in the ground for a standard 1/4 sec. cor. marked S. C. 1/4 S. 36 on N. face dig pits 18x18x12 ins. E. and W. of post 3 ft. dist., and raise a mound of earth 3-1/2 ft. base 1-1/2 ft. high N. of cor.
	(Note) After diligent search within a radius of 5 chs no trace of old cor. could be found.
51.00	Enter marsh
78.00	After diligent search no trace of witness cor. could be found.
	Difference between measurements of 80.00 chs. by two sets of chainmen is 4 lks. position of middle point
	By 1st. set 79.98 chs.

Chains	
	By 2nd set 80.02 chs. the mean of which is
80.00	Set a pine post 4 ft. long 4 ins. sq. with marked stone 24 ins. in the ground for a standard cor. of secs. 35 and 36 marked
	S. C. T. 9 N. R. 4 W. on N.
	S. 36 on E. and
	S. 35 on W. face with one groove on E. and 5 grooves on the W. face: dig pits 24x18x12 ins. crosswise on each line E. and W. 3 ft. and N. of post 7 ft. dist. and raise a mound of earth 4 ft. base 2 ft. high N. of cor.
	Land level
	Soil loam and marshy 3rd and 4th rates
	No timber
	(Note) Knowing that I would reach the shore line of the Great Salt Lake before reaching the 1/4 sec. cor. I abandoned the survey of the 2nd standard Parallel North at this cor.
	For the general description see notes of the subdivisions T. 9 N. R. 4 W.
	Oct. 10, 1902.
	Alfredo R. Talamantes
	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 S. R. Talamantes, 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 second standard parallel north through range 4 W. Salt Lake Base and Meridian Utah showing the respective capacities in which they acted:

Fred Hansen John W. Young, Chainman.
David E Young Henry Hansen, Chainman.
Henry Hansen, Moundman.
, Moundman.
, Axman.
, Axman.
David E Young, Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted A R Talamantes, United States Deputy Surveyor, in surveying all those parts or portions of the second standard parallel north through range 4 west of the Salt 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

Fred Hansen
John W. Young, Chainman.
David E Young, Chainman.
Henry Hansen, Moundman.
Henry Hansen, Moundman.
, Axman.
, Axman.
David E. Young, Flagman.

Subscribed and sworn to before me this 12 day of October 1905, ~~189~~

Norman Lee
Notary Public

SEAL

6—151

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, Alfredo R. Talamantes, United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from Edward H. Anderson United States Surveyor General for The State of Utah, bearing date of the 2d day of September 1902, 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 State of Utah, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of the Second Standard Parallel North through Range 4 West of the Salt Lake Base and Meridian, in the State of Utah, which are represented in the foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for The State 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.

Alfredo R. Talamantes
United States Deputy Surveyor.

Subscribed by said Alfredo R. Talamantes and sworn to before me this 31 day of December 1902

Edward H. Anderson
U. S. Surveyor General for
The State of Utah

SEAL

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, January 19, 1903.

The foregoing field notes of the survey of the Second Standard Par. North through Range 4 West of the Salt Lake Base and Meridian, Utah

executed by Alfredo R. Talamantes under his contract No. 95 b, dated September 2, 1902, 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

E

BOOK A-292

FIELD NOTES

OF THE SURVEY OF THE

H.J.B

Sub Subdivision and Meander lines

of

Township 9 North Range 4 West

Of the Salt Lake Base and Meridian,

State of Utah

AS SURVEYED BY

Alfredo R. Talamantes, United States Deputy Surveyor,

Under his Contract No. 256, dated September 2, 1902, ~~189~~

Survey commenced October 11 1902, ~~189~~

Survey completed October 11 1902, ~~189~~

6—151

[illegible] 3 55, [illegible]

Mean " 2 24-78

BOOK A-292

NAMES AND DUTIES OF ASSISTANTS.

Fred Hansen	Chainman
John W. Young	Chainman
Henry Hansen	Moundman
David E. Young	Flagman

Volume
#
R0292

6—151

BOOK A-292

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, Fred Hansen and John W Young 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 and meanders of T 9 N R 4 W Salt Lake Base and Meridian Utah

Fred Hansen, Chainman.

John W. Young, Chainman.

Subscribed and sworn to before me this 6 day of October 1900, ~~189~~

Norman Lee
Notary Public

SEAL

WE, J Henry Hansen and do solemnly swear that ~~we~~ I will well and truly perform the duties of moundman in the establishment of corners, according to the instructions given ~~us~~ me, to the best of ~~our~~ my skill and ability, in the survey of the subdivision and meanders of T 9 N R 4 W Salt Lake Base and Meridian Utah

Henry Hansen, Moundman.

, Moundman.

Subscribed and sworn to before me this 6 day of October 1900, ~~189~~

Norman Lee
Notary Public

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, David E Young, 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 and meanders of T 9 N R 4 W Salt Lake Base and Meridian Utah

David E. Young, Flagman.

Subscribed and sworn to before me this 6 day of October 1900, ~~189~~

Norman Lee
Notary Public

SEAL

6—151

Subdivisions of T. 9 N. R. 4 W.

Chains	
	Survey commenced Oct. 11, 1902 and executed with a W. & L. E. Gurley light mountain transit with solar attachment. The horizontal limb is provided with two double verniers placed opposite each other reading to single minutes of arc which is also the least count of the verniers of the lat. and delcination arcs. For a complete test for the solar apparatus see Book A. At 8 h. 00 m. a. m. l. m. t. I set off 41° 28'N. on the lat. arc 6° 47'S. on the decl. arc: and determined with the solar a true meridian at the standard cor. of secs. 35 and 36 of S. bdy. of Tp. 9 N. R. 4 W. set by me Oct. 10 described in Book D. Var. 18°08'E.
	Thence I run
	N. 0 01'W. bet. secs. 35 and 36
	Over level land
40.00	Set a pine post 4 ft. long 4 ins. sq. with marked stone 24 ins. in the ground for 1/4 sec. cor. marked 1/4 S. 35 on W. S. 36 on E. face: dig pits 18x18x12 ins N. and S. of post 3 ft. dist.: and raise a mound of earth 3-1/2 ft. base 1-1/2 ft. high W. of cor.
54.00	Overflow of Bear River 3 chs. wide 8 ins. deep drains S. W.
66.00	Leave marsh
80.00	Set a pine post 4 ft. long 4 ins. sq. with marked stone 24 ins. in the ground for cor. of secs. 25 26, 35 and 36 marked
	T. 9 N. S. 25 on N. E.
	R. 4 W. S. 36 on S. E.
	S. 35 on S. W. and
	S. 26 on N. W. face: with 1 notch on S. and E, edges Dig pits 18x18x12 ins. in each sec. 5-1/2 ft. dist. and raise a mound of earth 4 ft. base 2 ft. high W. of cor.

Chains	
	From this cor. Duckville Club house bears N. 16° 10'W.
	Fred Hansen House bears N. 25° W.
	Fred Hansen cabin bears N. 36° 05'W. Cabin No.1
	Fred Hansen cabin bears N. 38° 30'W. Cabin No.2.
	applicant for survey
	Dave Morgan cabin bears N. 52° 20'W.
	Land level
	Soil loam and marshy 3rd and 4th rates
	No timber
	East on random line bet. secs. 25 and 36
40.00	Set temp. 1/4 sec. cor.
80.00	Intersect E. bdy. of Tp. 40 lks. s. of cor. of secs. 25, 30, 31 and 36 described in Book C.
	Thence I run
	S. 89° 43'W. on a true line bet. secs. 25 and 36
	Over level land
40.00	Set a pine post 4 ft. long 3 ins. sq. with marked stone 24 ins. in the ground for 1/4 sec. cor. marked 1/4 S.25 on N. S.36 on S. face; dig pits 18x18x12 ins. E. and W. of post 3 ft. dist. and raise a mound of earth 3-1/2 ft. base 1-1/2 ft. high N. of cor.
72.00	Overflow of Bear River 1 ch. wide 1 ft. deep drains S. 10° E.
80.00	The cor. of secs. 25, 26, 35 and 36
	Land level
	Soil loam 3rd rate
	No timber

Chains	
	N. 0 01' W. bet. secs. 25 and 26
	Over level land
12.00	Joe Hansen cabin bears E. 1 ch. dist.
	Applicant for survey
13.40	Overflow of Bear River 1 ch. wide 1 ft. deep drains S. 30° E.
14.50	Wire fence bears E. and W.
18.60	South bank of Bear River course of river Westerly
	Set a pine post 4 ft. long 4 ins. sq. with marked stone 24 ins. in the ground for meander cor. of fracl. secs. 25 and 26 marked
	M. C. on N.
	T. 9 N. on S.
	R. 4 W. S. 25 on E. and
	S. 26 on W. face: dig pit 36x36x12 ins. 8 ft. S. of post and raise a mound of earth 4 ft. base 2 ft. high S. of cor.
	From this cor.
	Duckville Club house bears S. 41° W.
	Dave Morgan cabin bears N. 84° W.
	Fred Hansen cabin bears S. 86° 36' W. Cabin No. 1.
	Fred Hansen cabin bears S. 50° 20' W. Cabin No. 2.
	Fred Hansen house bears S. 35° 30' W.
	Land level
	Soil alluvial 2nd rate
	No timber

I return to the cor. of secs. 25, 26, 35 and 36 previously set.

From said cor. I run

Subdivisions of T.9 N.R.4 W.

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

Over level land

6.60 Overflow of Bear River 40 lks. wide 1 ft. deep drains S.

8.00 West fork of the same 30 lks. wide 1 ft. deep drains S.

10.00 Overflow of Bear River 75 lks. wide 1-1/2 ft. deep drains S.W.

40.00 Set a pine post 4 ft. long 4 ins. sq: with marked stone 24 ins. in the ground for 1/4 sec. cor. marked 1/4 S. 26 on N. S.35 on S. face; dig pits 18x18x12 ins. E. and W. of post 3 ft. dist: and raise a mound of earth 3-1/2 ft. base 1-1/2 ft. high N. of cor.

71.00 Overflow No 3 75 lks. wide 3 ft. deep drains S.W.

77.50 Small overflow 40 lks. wide 1 ft. deep drains S.

80.00 Set a pine post 4 ft. long 4 ins. sq. with marked stone 24 ins. in the ground for cor. of secs. 26, 27 34 and 35 marked

T.9 N.S. 26 on N.E.

R.4 W.S. 35 on S.E.

S.34 on S.W. and

S.27 on N.W. face with 1 notch on S. and 2 on E. edges dig pits 18x18x12 ins. in each secs. 5-1/2 ft. dist. and raise a mound of earth 4 ft. base 2 ft. high W. of cor.

Land level

Soil alluvial 2nd rate

No timber

(Note) Knowing that the Great Salt Lake shore would be reached within less than 1/2 mile either S. or W. Therefore, I run as follows:

Subdivisions of T. 9 N. R. 4 W.

Chains	
	N. 0° 02' W. bet. secs. 26 and 27
	Over level land
3.75	Small overflow 40 lks. wide 1 ft. deep drains S. E.
6.50	Overflow of Bear River 50 lks. wide 4 ft. deep drains S. 60° W.
8.00	Enter tules
37.00	South bank of Bear River, at this place the river is 13 chs. wide 1 ft. deep drains W.
	Set a cedar post 4 ft. long 4 ins. sq. with marked stone 24 ins. in the ground for meander cor. of fracl. secs. 26 and 27 marked
	M. C. on N.
	T. 9 N. on S.
	R. 4 W. S. 26 on E. and
	S. 27 on W. face: dig pit 36x36x12 ins. 8 ft. S. of post, and raise a mound of earth 4 ft. base 2 ft. high S. of cor.
	Land level
	Soil alluvial 2nd rate
	No timber
	Oct. 11 at this cor. I set off 6° 53' S. on the decl. arc. and at 12 h. 00 m. l. m. t. observe the sun on the meridian the resulting lat. is 41° 29' N.

Meanders T. 9 N. 4 W.

Chains Meanders of the left bank of Bear River down stream

I commence at the meander cor. of fracl. secs. 25 and 30 on the E. bdy. of Tp. set by me Oct. 10 described in Book E.

At this cor. Oct. 11. 1902 I set off 41° 29'N. on the lat. arc 6° 54'S. on the decl. arc and at 2 h. 00 m. p. m. l. m. t. determine a true meridian with the solar.

Thence I run with meanders in sec. 25

Over level land

S.87° 30'W.,	7.18 chs. 40 lks.	Boat house	10 lks. S.
	2.00 chs.	bunk house	20 lks. S.
	3.50 chs.	club house	30 lks. S.
	4.50 chs.	cabin	30 lks. S.
	5.00 chs.	boat house on line	
	5.50 chs.	ice house	1 ch. S.
	6.00 Chs.	cabin	20 lks. S.
	6.20 chs.	cabin on line	

All these buildings belong to the Bear River Gun Club.

S.76° W. 5.17 chs.

S.59° 30'W. 19.13 chs.

S.81° 05'W. 3.39 chs.

N.63° 55'W. 18.61 chs.

N.60° 30'W. 9.79 chs.

S.85° 45'W. 3.13 chs.

S.70° W. 12.20 chs.

S.8[illegible]° W. 3.00 chs.

S.[illegible]° 10'W. 7.57 chs.

S.7[illegible]° 30'W. 3.83 chs. to meander cor. of fracl. secs. 25 [illegible] described in Book E.

Land level
Soil alluvial 1st rate
No timber

Meanders T. 9 N. R. 4 W.

Chains	Meanders of the left bank of Bear River down stream		
	Thence in sec. 26		
	Over level land		
	S. 19° 53' W.	4.12 chs.	
	S. 78° 19' W.	6.81 chs.	55 lks. overflow 80 lks wide 1-1/2 ft. deep drains S. E.
	N. 44° 14' W.	9.00 chs.	1 ch. overflow 1 ch. wide 2 ft. deep drains S. 20' W. 3 chs. overflow 85 lks. wide 2 ft. deep drains S. W.
	N. 76° 36' W.	6.60 chs.	
	S. 74° 17' W.	21.96 chs.	
	West	5.42 chs.	
	N. 70° W.	10.00 chs.	1 ch. overflow No 3 1 ch. wide 3 ft. deep drains S. 60° W. 9 chs. overflow 50 lks. wide 2 ft. deep drains S. 60° W. The river at this point can not be classified as navigable.
	N. 36° W.	19.10 chs.	
	N. 77° W.	12.37 chs.	To meander cor. of fracl. secs. 26 and 27.
	Land level 9.5.38		
	Soil alluvial	1st rate	
	No timber		Oct. 11, 1902.

General Description

The part of this Tp. surveyed by me consists entirely of level bottom land.

The soil in the Southern portion containing considerable alkali.

The soil in the North and Eastern part of Section 36 is black loam and the South bank of Bear River is covered with thick growth of nutritious grasses furnishing suitable pasture for cattle and horses.

There is no timber on the portion of the township surveyed.

Joseph Hansen has a cabin in the South west 1/4 of section 25 value $100.00

Fred Hansen a house and two cabins in the South east 1/4 of section 26 value $1000.00

Henry Hansen has a cabin on the South east 1/4 of section 25 value $100.00

Niels Hansen claims some land in the North east and North west 1/4 of section 36 and at the present time has lumber thereon preparatory to building a cabin the value thereof being $50.00

Duckville Club has a house in the South east 1/4 of section 26 value $2000.00

Bear River Gun Club has buildings in South east 1/4 of section 25 value $1500.00

Alfredo R. Talamantes
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 A. R. Talamantes 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 and meanders of T. 9 N. R. 4 W. Salt Lake Base and Meridian Utah showing the respective capacities in which they acted:

Fred Hansen ..... Chainman.
John W. Young ..... Chainman.
Henry Hansen ..... Moundman.
..... Moundman.
..... Axman.
..... Axman.
David E. Young ..... Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted A. R. Talamantes United States Deputy Surveyor, in surveying all those parts or portions of the subdivision and meanders of T. 9 N. R. 4 W. of the Salt Lake Base and meridian, in the state of Utah, which are represented in the foregoing field notes as having been surveyed by 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.

Fred Hansen ..... Chainman.
John W. Young ..... Chainman.
Henry Hansen ..... Moundman.
..... Moundman.
..... Axman.
..... Axman.
David E. Young ..... Flagman.

Subscribed and sworn to before me this 12 day of October 1902 ~~189~~

Norman Lee
Notary Public

SEAL

6—151

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, Alfredo R. Talamantes United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from Edward H. Anderson United States Surveyor General for The State of Utah, bearing date of the 2nd day of September 1902, 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 State of Utah, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of The subdivisional and Meander lines of Township 9 North Range 4 West of the Salt Lake Base and meridian, in the State of Utah, which are represented in the foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for The State 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.

Alfredo R. Talamantes
United States Deputy Surveyor.

Subscribed by said Alfredo R. Talamantes and sworn to before me this 31 day of December 1902, 189

Edward H. Anderson
U.S. Surveyor General for
The State of Utah

SEAL

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, Jan. 19, 1903, 189

The foregoing field notes of the survey of The subdivisional and Meander lines of Township 9 North Range 4 West of the Salt Lake Base & Meridian, Utah

executed by Alfredo R. Talamantes under his contract No. 256, dated September 2, 1902, 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.