Volume

#

R0280

BOOK A-280

INDEX DIAGRAM.

Township 11 N., *Range* 2 E.

	18		19		20		20		21		22
37	6	95	5	85	4	78	3	68	2	60	1
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Meanders Page

PRELIMINARY OATHS OF ASSISTANTS.

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

.....

..... *Chainman.*

..... *Chainman.*

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

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-280

INDEX DIAGRAM.

Township 33 S. 5, *Range* 23 E. 6

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	292		291		281		273		266		258	
231	19	291	20	280	21	272	22	265	23	257	24	115
	290		289		280		272		264		256	
230	30	288	29	279	28	271	27	264	26	255	25	117
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PRELIMINARY OATHS OF ASSISTANTS.

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

.....

....., *Chainman.*

....., *Chainman.*

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

.....

SEAL

.....

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

.....

....., *Moundman.*

....., *Moundman.*

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

.....

SEAL

.....

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

.....

....., *Axman.*

....., *Axman.*

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

.....

SEAL

.....

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

....., *Flagman.*

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

.....

SEAL

.....

BOOK A-280

INDEX DIAGRAM.

Township 34 S, *Range* 23 E.

316	6	387	5	374	4	363	3	353	2	343	1	121
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317	7	385	8	372	9	361	10	351	11	341	12	122
	384		383		371		360		350		340	
318	18	383	17	370	16	359	15	349	14	339	13	123
	382		381		369		358		348		338	
319	19	380	20	368	21	357	22	348	23	337	24	124
	379		379		367		356		347		337	
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6—151

PRELIMINARY OATHS OF ASSISTANTS.

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

..... *Chainman.*

..... *Chainman.*

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

SEAL

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

..... *Moundman.*

..... *Moundman.*

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

SEAL

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

..... *Axman.*

..... *Axman.*

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

SEAL

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

..... *Flagman*

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

SEAL

BOOK A-280

INDEX DIAGRAM.

Township 34 S., *Range* 23 E.

316	6	387	5	374	4	363	3	353	2	343	1	121
		387		386		373		362		352		342
317	7	385	8	372	9	361	10	351	11	341	12	122
		384		383		371		360		350		340
318	18	383	17	370	16	359	15	349	14	339	13	123
		382		381		369		358		348		338
319	19	380	20	368	21	357	22	348	23	337	24	124
		379		379		367		356		347		337
319	30	377	29	366	28	355	27	345	26	335	25	126
		377		376		365		354		344		334
320	31	375	32	364	33	354	34	343	35	333	36	127
		314		313		313		312		311		310

Meanders Page.....

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PRELIMINARY OATHS OF ASSISTANTS.

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

..... *Chainman.*

..... *Chainman.*

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

SEAL

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

..... *Moundman.*

..... *Moundman.*

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

SEAL

WE, ... and .....
do solemnly swear that we will well and truly perform the duties of axmen in the establishment of 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 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

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BOOK A-280

INDEX DIAGRAM.

Township 15 S, *Range* 14 E.

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	439	438	426	418	409
18	17	16	15	14	13
441	437	425	417	408	
	436	435	425	416	407
19	20	21	22	23	24
	434	424	415	406	
	433	432	423	414	405
30	29	28	27	26	25
	431	422	413	404	
	430	430	421	413	404
31	32	33	34	35	36
	429	420	412	403	

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

.....

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BOOK A-280

INDEX DIAGRAM.

Township 15 S, *Range* 4 E

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

Meanders Page

6—151

PRELIMINARY OATHS OF ASSISTANTS.

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

..... *Chainman.*

..... *Chainman.*

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

SEAL

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

..... *Moundman.*

..... *Moundman.*

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

SEAL

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

..... *Axman.*

..... *Axman.*

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

SEAL

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

..... *Flagman*

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

SEAL

4—679.

BOOK A-280

FIELD NOTES

OF THE SURVEY OF THE

North Boundary

of

Township No 11 North Range No 2 East

Of the Salt Lake Base and Meridian,

Utah

AS SURVEYED BY

Andrew P. Hanson, United States Deputy Surveyor,

Under his Contract No. 234, dated November 30, 1899

Survey commenced July 6, 1901

Survey completed July 8, 1901

6—151

H. 5,75 05

Ag 10.20

NAMES AND DUTIES OF ASSISTANTS.

W W Barton - - - Chainman

M B Heston - - - "

W W Barton - - - Monudman

Harold Hobbs - - "

M B Heston - - - Axman

R S Sanborn - - - "

Harold Hobbs - - Flagman

For preliminary affidavits see book "B" Tp 11 N R 3 E

6—151

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PRELIMINARY OATHS OF ASSISTANTS.

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

_____, *Chainman.*

_____, *Chainman.*

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

SEAL

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

_____, *Moundman.*

_____, *Moundman.*

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

SEAL

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

_____, *Axman.*

_____, *Axman.*

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

SEAL

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

_____, *Flagman.*

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

SEAL

North boundary of T 11 N R 2 E

Chains

Survey commenced July 6. 1901 and executed with a W. & L. L. 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 my permanent camp near the south boundary of sec. 21 Tp. 11 N. R 2 E latitude 41° 40' N longitude 111° 43' W. at 4h 12m p.m., 7m ♈ I set off 41° 40' N on the lat. arc 22° 43' N. on the decl. arc and mark a point in the true meridian determined by the solar on a stake set firmly in the ground 4.75 chs. N. of my station

At 9h 34m p.m., 7m ♈ I observe Polaris in accordance with instructions in the Manual and mark a point in the line thus determined on a plug driven in the ground 4.75 chs N. of my station.—

Astron. 6m ♈ of obs. July 6	9h 34m
U.C. Polaris July 5	18° 28.3'
Hour angle of Polaris at obs.	15 06.7'
Subtract from	23 56.1
Time argument for Table II	8 50.4'

Azimuth of Polaris at obs. 1° 10' E.

July 6, 1901

July 7: at 6h 55m a.m., 7m ♈ I lay off the azimuth of Polaris 1° 10' to the west and mark the true meridian thus determined on the stake previous set at 4.75 chs. N. of the instrument.—

North Boundary of T. 11 N. R. 2 E.

chains	At 7h 3m a.m., 1 m.t. I set off 41°40' N. on the lat. arc 22°39' N. on the decl. arc and mark a point in the true meridian determined by the solar on the stake set July 6. at 4.75 chs N. of the instrument I now examine the marks on the stake and find the two meridians determined with solar to agree with the true meridian determined by Polaris observation within 1' of arc and therefore conclude the adjustments of the instrument are satisfactory. — The magnetic bearing of the true meridian at 7h a.m. is 18°16' W. the angle thus determined reduced by the table page 100 gives mean magn. decl. 18°10' E. —
	I begin at the cor. of Tps 11 and 12 N. Rs 2 and 3 E as set by me June 17, 1901 Thence I run West on a random line along N. bdy. of Tp. 11 N. R 2 E setting temp 1/4 sec. and sec cors. at intervals of 40 chs; and at 475.05 chs intersect the E. bdy. of Tp. 11 N. R. 1 E. 10.20 chs. S. 0°02' W. of the cor. of Tps 11 and 12 N. Rs 1 and 2 E. which is a limestone firmly set marked and witnessed as described by the surveyor general. From said cor. I remove all markings referring to Tps 11 and 12 N. R. 2 E. Set a limestone 18×10×6 ins. 12 ins. in the ground for closing cor. of Tps. 11 and 12 N. R. 2 E. marked C.C. 2 E on E 11 N on S and 12 N on N. faces with 6 groves on S. E. and N. faces: raised a mound of stones 2 ft. base 1½ ft. high E. of cor. Pits impracticable. — Thence I run East bet. secs. 6 and 31 Over mountainous land Descending to
12.60	Dry wash and bottom of canon, course N. 60° W. Begin abrupt ascent on rocky S.W. slope
35.05	Set a limestone 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. —

North Boundary of T. 11 N. R. 2 E.

Chains	
69.00	Top of ridge 1150 ft. above canon course N.W. and S.E.
	Thence on gradual descent W.
75.05	Set a limestone 18×8×5 ins. 12 ins. in the ground for cor. of secs. 5-6-31 and 32 marked with 1 notch on W. and 5 notches on E. edges: raised a mound of stones 2 ft. base 1½ ft. high N. of cor. —
	Pits impracticable. —
	Land mountainous
	Soil rocky 4th rate
	Timber a few scrubby cedar scattering
	Mountainous land 75.05 chs.
	July 7: The sky being overcast during the noon hour the sun could not be observed while on the meridian. —
	East bet. secs. 5 and 32
	Over mountainous land
	Descending on broken slope, in timber
10.00	Begin abrupt descent
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 from which
	A pine tree 6 ins. diam. bears N 11° 17' W. 25 lks. dist. marked 1/4 S. 32 B.T.
	A pine tree 10 ins. diam. bears S 43° 10' E. 38 lks. dist. marked 1/4 S. 5 B.T.
47.25	Bottom of canon 550 ft. deep course N.W.
	Ascending abruptly
80.00	Set a limestone 17×9×5 ins. 11 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 500 ft. above bottom of canon
	Land mountainous
	Soil rocky and gravely 4th rate
	Timber pine and aspen of fair size on E. slope mainly scattering on W. slope. —
	Mountainous land 80.00 chs. —
	July 7, 1901

North Boundary of T. 11 N. R. 3 E.

Chains	
	July 8: at 7h 10m a.m. I set Aff 41° 43' 30" N. on the lat. arc 22° 33' N. on the decl. arc and determine a true meridian with the solar at the cor. of secs. 4-5-32 and 33 thence I run East bet. secs. 4 and 33.
	Over mountainous land
	Ascending, in Timber
35.00	Top of ridge bears N.W. and S.E. 390 ft. above sec. cor.
	Descending gradually to
40.00	Set a limestone 18×10×5 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
46.00	Begin abrupt descent on broken slope
78.60	Bottom of canon 800 ft. deep. course N.
	ascend gradually to
80.00	Set a limestone 16×10×8 in. 11 in. 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.—
	Land mountainous
	Soil gravely and rocky 4th rate
	Timber pine and aspen of small size mainly and partly scattering.—
	Mountainous land 80.00 chs.
	East bet. secs. 3 and 34
	Over mountainous land
	Ascending gradually, in timber
2.00	Begin abrupt ascent on broken slope
40.00	Set a limestone 17×9×6 in. 11 in. in the ground for 1/4 sec. cor. marked 1/4 on N. face: from which
	A pine tree 9 in. diam. bears N. 19° 30' W. 22 lks. dist. marked 1/4 S. 34 B.T.
	A pine tree 11 in. diam. bears S. 43° 11' E. 16 lks. dist. marked 1/4 S. 3 B.T.
45.00	Top of spur runs N. 900 ft. above sec. cor.
	Begin broken descent

North Boundary of T. 11 N. R. 2 E.

Chains		
65.50	Enter bottom of hollow 300 ft. below spur course N. and S.	10
70.20	Dry wash drains N. ascending broken slope	
80.00	Set a limestone 16×8×6 ins. 11 ins. in the ground for cor. of secs. 2-3-34 and 35 marked with 4 notches on W. and 2 notches on E. edges: from which A pine tree 14 ins. diam. bears N. 35° 45' W. 12 lks. dist. marked T. 12 N. R. 2 E. S. 34 B.T. An aspen tree 6 ins. diam. bears N. 46° 50' E 34 lks. dist. marked T 12 N R 2 E. S 35 B.T. A pine tree 15 ins. diam. bears S. 50° 50' E. 23 lks. dist. marked T. 11 N. R. 2 E. S. 2 B.T A pine tree 12 ins. diam. bears S. 26° 30' W. 37 lks. dist. marked T. 11 N. R 2 E. S. 3 B.T. Land mountainous Soil rocky and gravely 4th rate Timber pine and aspen of fair quality Mountainous land 80.00 chs.— July 8: at this cor. I set off 22° 31' N. on the decl. arc and at 12h 5m p.m., 1m ? observe the sun on the meridian; the resulting lat. is 41° 43' 30" N.	
	East bet. secs. 2 and 35 Over mountainous land Ascending, in timber	
14.50	Top of slope and rocky spur running N. 150 ft. above cor. Begin abrupt descent	
23.60	Bottom of canon 300 ft. deep course N. Ascend	
40.00	Set a limestone 16×8×6 ins. 11 ins. in the ground for 1/4 sec. cor. marked 1/4 on N. face from which A pine tree 14 ins. diam. bears S 32° 0' W. 16 lks. dist. marked 1/4 S 2 B.T. A pine tree 15 ins. diam. bears N. 36° 25' E. 15 lks. dist. marked 1/4 S. 35 B.T.	
57.40	Top of mountain bears N. and S. 500 ft. above canon.—Descend	

North Boundary of T. 11 N. R. 2 E.

Chains	
	Through scattering timber course N. and S.
80.00	Set a sandstone 17 x 8 x 6 in. 11 in. in the ground for cor. of secs. 1-2-35 and 36 marked with 1 notch on E. and 5 notches on W. edge from which
	An aspen tree 9 in. diam. bears N. 38° 26' E. 6.7 lks. dist. marked T. 12 N. R. 2 E. S 36 B.T.
	An aspen tree 7 in. diam. bears N 68° 30' W. 19 lks. dist. marked T. 12 N. R. 2 E. S. 35 B.T.
	An aspen tree 7 in. diam. bears S 76° 25' W. 35 lks. dist. marked T. 11 N. R. 2 E. S 2 B.T
	An aspen tree 12 in. diam. bears S 81° 15' E. 73 lks. dist. marked T 11 N R 2 E S 1 B.T.
	This cor. stands 430 ft. below top of mountain
	Land mountainous
	Soil gravely 3rd rate
	Timber pine and aspen of fair quality
	Mountainous land 80.00 chs. —
	East bet. secs. 1 and 36
	Over mountainous land
	Descending on broken slope, in timber
32.00	Head of hollow drains N. 30° E 580 ft. below cor.
	Thence on gradual ascent on N.W. slope to —
40.00	Set a limestone 17 x 10 x 5 in. 11 in. in the ground for 1/4 sec. cor. marked 1/4 on N. face: from which
	A pine tree 8 in. diam. bears S. 2° 15' E. 45 lks. dist. marked 1/4 S 1 B.T.
	A pine tree 6 in. diam. bears N. 21° 30' W. 39 lks. dist. marked 1/4 S. 36 B.T.
50.00	Top of low divide between watersheds of Blacksmith Fork and Logan River, course S 60 W. and N 60 E. 80 ft. above hollow. —
	Thence on S. slope near top of divide to —
70.00	Top of same divide bears N 80° W and S 80° E
	Descend on steep N. slope to —
80.00	The cor. of Tps. 11 and 12 N. Rs. 2 and 3 E. heretofore described
	This cor. stands 60 ft. below top of ridge
	Land mountainous
	Soil gravely and rocky 3rd rate
	Timber aspen and pine of small size mainly
	Mountainous land 80.00 chs. —

North Boundary of T. 11 N. R. 2 E.

Chains

Note: Referring to field notes of S. and W. bdys. of Tp. as furnished by the Surveyor general I learn that the survey of exterior boundaries will not close within the limit and a retracement of said S and W. bdys will be necessary in order to locate the error. —

July 8, 1901

Boundaries of T 11 N R 2 E
Latitudes Departures and closing error

Line designated	True bearing	Distance chs.	Latitude N chs.	Latitude S chs.	Departure E chs.	Departure W chs.
East boundary	North	488.38	488.38			
North "	West	475.05				475.05
West "	S 0° 2' W	70.60		70.60		.05
" "	S 0° 15' E	400.00		400.00	1.74	
South "	S 86° 41' E	273.54		15.82	273.09	
" "	East	200.00			200.00	
Convergency	- - - -	- - - -	- -	- -	- - - -	.64
Totals	- - - -	- - - -	488.38 / 486.42	486.42	474.83	475.74 / 474.83
Error of Lat.	- -	- - - -	1.96	of Dep.	- - -	.80

This township is all mountainous land and very rough: it is well watered and contains a few patches of timber, of no great value. The township is valuable for summer range for stock, and should be subdivided. —

Andrew P Hanson
U.S. Dep. Surveyor

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FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by 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 survey of the South, West and North boundaries of Tp. 11 N., R. 3 E. and North boundary of Tp. 11 N., R. 2 E. of the Salt Lake Base and Meridian showing the respective capacities in which they acted:

N. W. Barton, Chainman.
M. B. Heston, Chainman.
Harold Hobbs, Moundman.
W. W. Barton, Moundman.
M. B. Heston, Axman.
R. S. Sanborn, Axman.
Harold Hobbs, Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted Andrew P. Hansen, United States Deputy Surveyor, in surveying all those parts or portions of the South, West and North boundaries of Tp. 11 N., R. 3 E. and North boundary of Tp. 11 N., 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.

N. W. Barton, Chainman.
M. B. Heston, Chainman.
W. W. Barton, Moundman.
Harold Hobbs, Moundman.
M. B. Heston, Axman.
R. S. Sanborn, Axman.
Harold Hobbs, Flagman.

Subscribed and sworn to before me this 29th day of July, 1901, 189.

SEAL

Sam Raney
Notary Public

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BOOK A-280

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 Jacob B Blair United States Surveyor General for Utah, bearing date of the 30th day of November, 1899, I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for Utah, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of the South West & North Boundary of Tp 11 N R 3 E and the North Boundary of Tp 11 N R 2 E

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

Andrew P Hanson
United States Deputy Surveyor

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

Edward H Anderson
U S Surveyor General
for Utah

SEAL

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah August 27, 1902

The foregoing field notes of the survey of the North Boundary of Township 11 North Range 2 East of the Salt Lake Base & Meridian, Utah

executed by Andrew P Hanson under his contract No. 234, dated November 30, 1899, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Edward H Anderson
United States Surveyor General

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

United States Surveyor General

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4—679.

BOOK A-280

FIELD NOTES

OF THE Res SURVEY OF THE

West and South Boundaries

of

Township No 11 North Range No 2 East

Of the Salt Lake Base and Meridian,

Utah

AS SURVEYED BY

Andrew P. Hanson, United States Deputy Surveyor,

Under his Contract No. 234, dated November 30, 1899

Survey commenced July 7, 1901

Survey completed July 12, 1901

6—151

Res W Bdy 6.0080 ft

" S " 3.3354 ft

NAMES AND DUTIES OF ASSISTANTS.

W W Barton ------ Chair

M B Heston ------ "

W W Barton --- Mounds

Harold Hobbs --- "

M B Heston ----- A.

R. S. Sanborn ---- "

Harold Hobbs --- Flagman

For preliminary affidavits see book "A" Tp 10 N R 3 E

6—151

F.

234

BOOK A-280

C.M.B. [illegible]

1-00.70 ✓
1 ✓
1 ✓
1 ✓
1 ✓
1 00 80 ✓

6.00 80 ✓

S.M. [illegible]

73.54 ✓
1 ✓
1 ✓
40 00 ✓

3. 33 54 ✓

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 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 c .....

..... *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 .....

..... *Flagman*

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

SEAL

West Boundary of T. 11 N. R. 2 E.—Resurvey

Chains | Survey commenced July 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 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 examined the adjustments of the instrument and tested the solar apparatus on July 6-7, 1901 at the commencement of survey of N. bdy. of this Township reference to which is hereby made, and being confident the adjustments remain satisfactory I consider it unnecessary to repeat the test at this time.—

July 9: at 7h 14m a.m., 7 m T I set off 41° 43' N. on the lat. arc 22° 26' N. on the decl. arc and determine a true meridian with the solar at the cor. of Tps. 11 and 12 N. R 1 E as heretofore described.—

Thence I run

S 0° 17' W. on a retracement line bet. secs. 1 and 6 at 40.80 I made a carefull search for the 1/4 sec. cor. but found no trace of it nor could I find any trace of the cor. of secs. 1-6-7 and 12 at 80.80 chs. and I therefore run south on retracement line along W. bdy. of Tp. searching for corners at each 40.00 chs. but finding none until at 360.80 I found trace of the 1/4 sec. cor. bet. secs. 25 and 30 bearing E. 1.62 chs. and at 480.80 chs. the cor. of Tps. 10 and 11 N Rs 1 and 2 E. bearing E. 2.20 chs. being a stone firmly set marked and witnessed as described by the surveyor general.—

The falling answers to a correction of 15' or 35 lks. W. per mile counting from the S.W. cor. of Tp.—

Therefor I run, on a resurvey line of W. bdy. of Tp. N. 0° 15' W. bet. secs. 31 and 36

Over mountainous land

Ascending gradually on steep W. Slope

West Boundary of T. 11 N. R. 2 E.—Resurvey

Chains	
7.00	Top of ridge dividing watersheds of Blacksmith-Fork and Millville Canon, bears N. 70° W. and S. 70° E. Begin abrupt descent on broken slope. Aneroid Elev. 7750 ft.
40.00	Set a sandstone 16 x 8 x 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. could be found
80.00	Set a sandstone 18 x 9 x 6 in., 12 in. 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 maple tree 4 in. diam. bears S. 74° 0' W. 16 lks. dist. marked T 11 N R 1 E S 36 B.T. A maple tree 4 in. diam. bears N. 63° 35' W. 14 lks. dist. marked T 11 N R 1 E S. 25 B.T. No other trees within limit.—Raised a mound of stones 2 ft. base 1½ ft. high W. of cor.— Pits impracticable.—No trace of old cor. could be found A large spring of pure water bears S. 35° E. about 5 chs. dist. This cor. stands 1780 ft. below top of ridge Land mountainous Soil gravely and rocky 3rd rate Timber, a few scattering pine.—Dense undergrowth of ashes maple willow and thorn Mountainous land 80.00 chs.— July 9. 1901
	July 10 I run N 0° 15' W. bet. secs. 25 and 30 Over mountainous land Descending, in dense undergrowth—
8.03	Spring branch 6 lks. wide course N. 25° W.
13.50	Stream 6 lks. wide flows N. 75° W. in bottom of Millville canon 350 ft. below cor.
15.60	Canon road runs parallel with stream
17.00	Begin abrupt ascent
40.00	Set a limestone 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.—Old cor. reestablished

West Boundary of T 11 N R 2 E — Resurvey

chains This cor. stands on top of a spur course S 10° W.
Thence on S.W. slope
80.00 Set a limestone 17x11x6 ins. 11 ins. in the ground for cor. of secs. 19-24-25 and 30 marked with 2 notches on S. and 4 notches on N. 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
This cor. stands 1200 ft. above the canon
Land mountainous
Soil rocky and gravelly 3rd and 4th rate
No timber. — Aspen maple and thorn undergrowth
Mountainous land 80.00 chs.

N. 0° 15' W. bet. secs. 19 and 24
Over mountainous land
Ascending abruptly in scattering undergrowth
12.00 Top of spur runs W. 370 ft. above cor.
Enter timber and dense undergrowth - bears E. and W.
Descend gradually to
36.20 Head of hollow drains W. - Ascend gradually, W. slope
39.00 Top of spur runs N. 60° W. 150 ft. high
Begin descent on steep broken slope
46.00 Set a limestone 17x9x5 ins. 11 ins. in the ground for ¼ sec. cor. marked ¼-00 W. face; raised a mound of stones 2 ft. base 1½ ft. high W. of cor. Pits impracticable
80.00 Set a limestone 18x10x6 ins. 12 ins. in the ground for cor. of secs. 13-18-19 and 24 marked with 3 notches on S. and N. edges; raised a mound of stones 2 ft. base 1½ ft. high W. of Cor. - Pits impracticable
This cor. stands 1175 ft. below top of spur.
Land mountainous
Soil rocky and gravelly 3rd and 4th rate
Timber, pine scattering. —
Dense aspen maple and thorn undergrowth —
Mountainous land 80.00 chs. —
July 10: at this cor. I set off 22° 16' 30" N. on the decl. arc and at 12h 5m p.m. I shall observe the sun on the meridian, the resulting lat.

West Boundary of T 11 N R 2 E — Resurvey

Chains	
	is 41°41' N.—
	No trace of old cor. could be found
	N 0°16' W. bet. secs. 13 and 18
	Over mountainous land
	Descending abruptly.
21.60	Stream 7 lks wide flows N. 77° W. in bottom of
	Providence Canon 850 ft. below cor.
23.40	Old wood road runs parallel with canon
23.90	Begin abrupt ascent
40.00	Set a limestone 17×9×5 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.— No trace of old cor. could be found
80.00	Set a limestone 16×10×7 inc. 11 inc. in the ground
	for cor. of secs. 7-12-13 and 18 marked with
	4 notches on S and 2 notches on N. edge:
	raised a mound of stones 2 ft. base 1½ ft
	high W. of cor.—Pits impracticable
	This cor. 1600 ft. above bottom of canon
	Land mountainous
	Soil rocky
	Timber a few scrubby pine and cedar scattering
	Mountainous land 80.00 chs.
	No trace of old cor. could be found
	N. 0°16' W. bet. secs. 7 and 12
	Over mountainous land
	Ascending to
2.00	Top of spur runs W.
	Begin descent
20.18	Bottom of ravine 560 ft deep. course W.
	Ascending broken slope to
40.00	Set a limestone 18×10×6 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.—No trace of old cor. could be found
75.00	Top of spur runs N. 75° W. 900 ft. above ravine
	Descending to
80.00	Set a limestone 18×9×6 inc. 12 inc. in the
	ground for cor. of secs. 1-6-7 and 12 marked

West Boundary of T. 11 N R. 2 E – Resurvey

Chains	
	with 5 notches on S. and 1 notch on N. edges: raised a mound of stones 2 ft. base 1½ ft. high W. of cor. Pits impracticable. This cor. stands 120 ft. below top of spur
	Land mountainous
	Soil rocky
	Timber, a few scrubby cedars scattering
	Mountainous land 80.00 chs.
	No trace of old cor. could be found. —
	July 10: at 4h 50m p.m. I set off 41° 42' 30" N. on the lat. arc 22°16' N on the decl. arc and determine a true meridian with the solar at the cor. of secs. 1-6-7 and 12.
	Thence I run
	N. 0° 2' E. bet. secs. 1 and 6
	Over mountainous land
	Descending abruptly
28.00	Bottom of ravine 600 ft. below cor. course N. 75° W.
	Ascend
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 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
50.40	Top of spur 550 ft. above ravine. course N. 70° W
	Descend
70.60	The closing cor. for townships 11 and 12 N R. 2 E as heretofore described
79.15	Dry wash and bottom of canon 700 ft. deep. course N. 75° W.
	Ascending
80.80	The cor. of Tps. 11 and 12 N. R 1 E as heretofore described
	Land mountainous
	Soil rocky
	Timber, a few scrubby cedars scattering
	Mountainous land 80.80 chs. —
	July 10, 1901
	Note: The exteriors of the township still not

South Boundary of T 11 N R 2 E – Resurvey

Chains | closing within the limit it becomes necessary to retrace the S. bdy. in order to locate the error hence: July 11 I go to the 1/4 sec. cor. bet. secs. 1 and 36 on S. bdy. of Tp. as heretofore described in Book "A" of this survey and run west on a blank, retracement line along S. bdy. of Tp. finding the corners in their proper place as far as the 1/4 sec. cor. bet. secs. 3 and 34 but the cor. of secs. 3-4-33 and 34 could not be found and continuing my line west no trace of corners was found until at 273.09 chs from said 1/4 sec cor. bet. secs. 3 and 34 the Cor. of Tps. 10 and 11 N. R 1 and 2 E. bears N. 15.82 chs. – The falling answers to a correction of 3°19' or 4.63 chs. S. per mile counting from the S.W. cor of Tp. to the 1/4 sec cor bet. secs. 3 and 34 being the last cor. found, and in order to complete the survey of T. 11 N. R. 2 E. I conclude to run a line connecting the said two corners placing the fractional distance in the western half mile where it should properly be, and setting corners for secs. in both townships

17

July 11. 1901

July 12: at 7h 18m a m, 7m t I set off 41°38' N. on the lat. arc; 22°3' N. on the decl arc and determine a true meridian with the solar at the cor. of Tps. 10 and 11 N. R 1 and 2 E. as heretofore described.
Thence I run
S. 86°41' E. bet. secs. 6 and 31
Over mountainous land.
Ascending
11.00 Top of ridge dividing Blacksmith Fork and Millville Canon watersheds bears N.W and S.E. 160 ft. above cor.
Begin gradual descent on N. slope
Enter timber and brush course parallel to ridge
32.00 small spring drains N. in head of hollow
33.54 Set a limestone 18 x 9 x 7 in. 12 in. in the ground for 1/4 sec. cor. marked 1/4 on N. face

South Boundary of T. 11 N. R. 2 E - Reservoy

Chains	
	raised a mound of stones 2 ft. base 1½ ft. high
	N. of cor. - Pits impracticable - No trace of old cor. found
30.00	Thin cor. stands 160 ft. below divide
34.50	Begin ascent on broken N. W. slope
73.54	Set a porphyry stone 18x8x6 inc. 12 inc. in the ground for cor. of secs. 5 - 6 - 31 and 32 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
	Thin cor. stands on top of a spur running N. 360 ft above the ¼ sec. cor.
	Land mountainous
	Soil gravely and rocky 3rd rate
	Timber pine of fair size scattering
	Dense brake and brush undergrowth
	Mountainous land 73.54
	No trace of old cor. could be found
	S. 86° 41' E bet. secs. 5 and 32
	Over mountainous land
	Descending on N. E slope in timber and undergrowth
2.65	Spring branch 10 lks. wide 2 chs below head, course N. 20° E.
40.00	Set a sandstone 17x8x6 inc. 11 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
	No trace of old cor. found
73.00	Enter bottom of hollow draining S. 75° E 600 ft. below sec. cor.
80.00	Set a sandstone 18x9x6 inc. 12 inc. 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
	Land mountainous
	Soil gravely and rocky 3rd rate
	Timber, scattering pine, of fair size, and dense ashes of of small size.
	Dense brushy undergrowth
	Mountainous land 80.00 chs.

South Boundary of T. 11 N. R. 2 E — Resurvey

Chains	
	No trace of old cor. could be found.
	July 12: at this cor. I set off 22° 1' N. on the decl. arc and at 12h 5m p.m. p.m.t. observe the sun on the meridian: the resulting lat. is 41° 38' N.
	S. 86° 41' E. bet. secs. 4 and 33
	Over mountainous land
	Descending gradually in bottom of hollow
11,40	Dry wash course S. 75° E
14,10	Same wash course N. 65° E. — ascend
	Enter timber bears parallel with wash
40,00	Set a limestone 17×9×7 ins. 12 ins. in the ground for 1/4 sec. cor. marked 1/4 on N. face. from which
	A pine tree 5 ins. diam. bears N. 80° 30' W. 35 lks dist. marked 1/4 S. 33 B.T.
	No other trees within limit. — Raised a mound of stones 2 ft. base 1½ ft. high N. of cor.
	Pits impracticable. —
	No trace of old cor. could be found
49,60	Top of slope, and spur N.E. 225 ft. above wash
	Descending gradually
68,70	On point of abrupt break to canon course S 60° W and N. —
	Descending in precipitous breaks
80,00	Set a limestone 17×9×6 ins. 11 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. stands 600 ft. below break. —
	Land mountainous
	Soil rocky and gravely 3rd and 4th rate
	Timber pine of fair size scattering and aspen of small size
	Mountainous land 80,00 chs.
	No trace of old cor. could be found
	S 86° 41' E bet. secs. 3 and 34
	Over mountainous land
	Descending abruptly on rocky broken slope
40,00	The 1/4 sec. cor. bet. secs. 3 and 34 which is a

South Boundary of T. 11 N. R. 2 E. - Resurvey

Chains	stone firmly set marked and witnessed as described by the surveyor general This cor. stands 900 ft. below the cor. of sec. 33 and 34 Land mountainous Soil rocky No timber Mountainous land 4000 chs. July 12, 1901	
	For general description see notes of subdivision of this Tp. Book G. Andrew C. Hanson U.S. Deputy Surveyor	

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FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by Andrew P. Stanard, 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 W. boundary of Tp. 10 N. R. 3 E. - W. and S. boundaries of Tp. 11 N. R. 2 E.

showing the respective capacities in which they acted:

W. W. Barton, Chainman.
M. B. Heston, Chainman.
W. W. Barton, Moundman.
Harold Hobbs, Moundman.
M. B. Heston, Axman.
R. S. Sanborn, Axman.
Harold Hobbs, Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted Andrew P. Stanard, United States Deputy Surveyor, in Re surveying all those parts or portions of the W. boundary of Tp. 10 N. R. 3 E. - W. and S. boundary of Tp. 11 N. 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

W. W. Barton, Chainman.
M. B. Heston, Chainman.
W. W. Barton, Moundman.
Harold Hobbs, Moundman.
M. B. Heston, Axman.
R. S. Sanborn, Axman.
Harold Hobbs, Flagman.

Subscribed and sworn to before me this 29th day of July 1901, ~~189~~

SEAL

Sam Raney
Notary Public

6—151

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, Andrew P. Hansen, United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from Jacob B. Blair, United States Surveyor General for Utah, bearing date of the 30th day of November, 1899, I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for Utah, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of the West Boundary of Township 10 North Range 3 East and the West and South Boundaries of Township 11 North Range 2 East of the Salt Lake Base and meridian, in the State of Utah, which are represented in the foregoing field notes in lots a & F as having been surveyed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for Utah and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey; and should any fraud be detected, I will suffer the penalty of perjury under the provisions of an Act of Congress approved August 8, 1846.

Andrew P. Hansen
United States Deputy Surveyor.

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

SEAL

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

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, August 27, 1902, 189

The foregoing field notes of the survey of the West and South Boundaries of Township 11 North Range 2 East of the Salt Lake Base and Meridian, Utah

executed by Andrew P. Hansen under his contract No. 234, dated November 30, 1899, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Edward H. Anderson
United States Surveyor General

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

United States Surveyor General

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1—679.

BOOK A-280

FIELD NOTES

OF THE SURVEY OF THE

Subdivision Lines

of

Township No 11 North Range No 2 East

Of the Salt Lake Base and Meridian,

Utah

AS SURVEYED BY

Andrew P Hansen, United States Deputy Surveyor,

Under his Contract No. 234, dated November 30, 1899

Survey commenced July 12, 1901

Survey completed July 28, 1901

6—151

H 59.72.34
Clos 1-04-86

NAMES AND DUTIES OF ASSISTANTS.

W W Barton - Chainman

B M Heston - Chainman

W W Barton - Moundman

Harold Hobbs - Moundman

M B Heston - Axman

R S Sanborn - Axman

Harold Hobbs - Flagman

For preliminary affidavit see book C Tp 11 N R 3 E

6—151

BOOK A-280

INDEX DIAGRAM.

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*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

.....

Subdivision of T 11 N. R 2 E.

Chains

Survey commenced July 12. 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 count of the verniers of the latitude and declination arcs. The instrument was examined ~~tested~~ 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 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.—

I return to the meridian established July 7 at my permanent camp near the S bdy. of sec. 21 T. 11. N. R. 2 E. and described in the field notes of N. bdy. of this Tp. reference to which is hereby made.— At 4h 45m 2s p m, 1m 7s I set off 41° 40' N on the lat arc 22° 0' N on the decl arc and test the adjustment of my solar, finding it gives the same meridian as before

July 12. 1901

July 13: at 7h 4m a m, 1m 7s I set off 41° 40' N. on the lat arc 21° 56' N. on the decl. arc and test the adjustment of the solar on the meridian above described finding the difference to be within 1' of arc and conclude the adjustments are satisfactory.—

The magnetic bearing of the true meridian at 7h 10m a m, is N. 18° 17' W. the angle thus determined reduced by the table on page 100 given mean mag decl. 18° 12' E.—

I begin at the cor. of secs. 1-2-35 and 36 on S. bdy. of Tp. which is a stone firmly set

Subdivision of T 11 N R 2 E

chains	
	marked and witnessed as described by the surveyor general thence I run
	N 0°1' W. bet. secs 35 and 36
	Over mountainous land
	Ascending abruptly in precipitous cliffs in timber
31.50	Top of ridge bears N. 60° E and S. 60° W. 675 ft. above cor. —
	Begin gradual descent
36.00	Leave timber course N.E. and S.W.
40.00	Set a limestone 17x10x6 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
62.00	Descent becomes abrupt in precipitous breaks
80.00	Set a limestone 18x8x5 in. 12 in. 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
	This cor. stands 1200 ft. below top of ridge
	Land mountainous
	Soil rocky and gravely 4th rate
	Timber pine and aspen
	Mountainous land 80.00 chs. —
	East on a random line bet. secs 25 and 36
40.00	Set temp. 1/4 sec. cor.
79.90	Intersect E bdy of Tp at cor. of secs. 25 and 36 as heretofore described
	Thence I run
	West on a true line bet. secs. 25 and 36
	Over mountainous land
	Descending steep even N.W. slope
39.95	Set a limestone 16x9x6 in. 10 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
65.00	Slope becomes rocky and broken
79.90	The cor. of secs. 25-26-35 and 36
	This cor. stands 800 ft. below cor of secs 25 and 36. —

Subdivision of T. 11 N R. 2 E.

chains	
	Land mountainous Soil gravely and rocky 4th rate Timber: a few pine scattering Mountainous land 79,90 chs.— July 13: The sky being overcast during the noon hour I was unable to observe the sun on the meridian.—
	N 0°1' W. bet. secs. 25 and 26 Over mountainous land Descending abruptly in precipitous cliffs
16.00	Enter Bottom of Left Hand Fork or Saddle Creek Canon 700 ft. below cor. course S 70° W.
16.80	Left Hand Fork or Saddle Creek 30 lks. wide clear water swift current course S 70° W.
20.30	Canon road runs parallel with canon A fence runs N. and S across the Canon 3 chs W. of line.—
21.00	Begin abrupt ascent
40.00	Set a limestone 17×8×6 ins. 11 ins. in the ground for 1/4 sec cor. marked 1/4 on W. face from which A cedar tree 18 ins. diam. bears N. 67°15' W. 18 lks dist. marked 1/4 S 26 B.T. A cedar tree 8 ins diam. bears S 46°30' E 62 lks. dist. marked 1/4 S. 25 B.T.
57.90	Ravine 60 ft deep runs S. 60° W.
80.00	Set a limestone 17×10×6 ins. 11 ins. in the ground for cor. of secs. 23-24-25 and 26 marked with 2 notches on S. and 1 notch on E. edge: raised a mound of stones 2 ft. base 1½ ft. high W. of cor. Pits impracticable.— This cor. stands 1180 ft. above creek Land mountainous Soil rocky Timber pine and cedar scattering Mountainous land 80,00 chs.— July 13, 1901
	July 14: At 7h 10m a.m. I set off 41° 40' N on the lat arc 21°46' N. on the decl. arc and determined a true meridian with the

Subdivision of T. 11 N. R. 2 E

Chains	
	Solar at the cor. of secs. 23-24-25 and 26
	Thence I run
	East on a random line bet. secs. 24 and 25
40.00	Set temp. 1/4 sec. cor.
80.00	Intersect E. bdy. of Tp. 12 lks. S. of cor. of secs. 24 and 25 as heretofore described
	Thence I run
	S. 89° 56' W. on a true line bet. secs. 24 and 25
	Over mountainous land
	Descending
5.10	Stream 5 lks. wide in bottom of gulch course S. 50 ft. below cor. —
	Begin abrupt ascent on broken rocky slope
40.00	Set a limestone 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
49.00	Top of ridge course S 20° E and N. 20° W. 1100 ft. above stream. —
	Begin broken descent
50.00	The cor. of secs. 23-24-25 and 26
	This cor. stands 500 ft. below top of ridge
	Land mountainous
	Soil rocky
	Timber, scattering pine and aspen
	Mountainous land 80.00 chs. —
	N 0° 1' W. bet. secs. 23 and 24
	Over mountainous land
	Ascending on rocky broken slope
35.30	Ravine 80 ft. deep drains S. 75° W.
40.00	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; raised a mound of stones 2 ft. base 1½ ft. high W. of cor. Pits impracticable
77.00	Top of ascent and ridge running S. 60° E. and W. 400 ft. above sec. cor.
	Begin gradual descent to
80.00	Set a limestone 18 x 9 x 6 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.

Subdivision of T. 11 N. R. 2 E.

chains	edges raised a mound of stones 2 ft. base 1½ ft. high W. of cor. — Pits impracticable Land mountainous. — Aneroid Elev. 7720 ft. Soil rocky and gravely 4th rate Timber a few pine and cedar scattering Mountainous land 80,00 chs. — July 14 at this cor. I set off 21°43'30" N. on the decl. arc and at 12h 5m p.m. 1 m ? — observe the sun on the meridian; the resulting lat. is 41°41' N.
	N. 89°55' E on a random line bet. secs. 13 and 24
40,00	Set temp. 1/4 sec. cor.
80,00	Intersect E. bdy of Tp. 11 lks N. of cor. of secs. 13 and 24 as heretofore described Thence I run West on a true line bet. secs. 13 and 24 Over mountainous land Ascending in timber
21,00	Top of ridge bears N and S.E. 300 ft. above cor.
25,00	Begin abrupt descent on rocky slope
40,00	Set a limestone 17x8x6 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
42,10	Dry wash and bottom of gulch course S. 540 ft. deep. — ascend
54,60	Top of spur 250 ft. high runs S. 20° E. Descending over rolling slope
72,90	Bottom of gulch 175 ft. deep course S 56° E Ascending to
80,00	The cor. of secs. 13-14-23 and 24 This cor. stands 100 ft. above gulch. Land mountainous Soil gravely and rocky 4th rate Timber; scattering pine of fair size and aspen of dense growth and small size Mountainous land 80,00 chs. —
	N. 0°1' W. bet. secs. 13 and 14 Over mountainous land Descending

Subdivision of T. 11 N. 19. 2 E.

Chains	
1.00	Enter dense brush and brake course E and W.
2.55	Bottom of gulch drains S. 55° E. 40 ft. below cor. Ascending
11.00	Top of spur 150 ft. high runs E. — Descend
14.60	Bottom of ravine 80 ft. deep drains E. — Ascend
19.06	Top of sharp spur 90 ft. high course E. Descend
21.20	Bottom of ravine 45 ft. deep course E
	Begin ascent on broken slope. —
40.00	Set a limestone 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
	This cor. stands on top of spur running E. 250 ft. above sec cor. — Descend
56.00	Bottom of gulch 240 ft. deep drains S 80° E. Ascend
67.00	Leave brush and brake
80.00	Set a limestone 18×10×7 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
	This cor. stands on S.E. slope 400 ft. above gulch
	Land mountainous
	Soil gravely and rocky 3rd and 4th rate
	No timber. — Dense brake and brush
	Mountainous land 80.00 chs. —
	July 14. 1901
	July 15: at 7h 12m a.m. I set off 41°42' N. on the lat. arc 21°37' N. on the decl. arc and determine a true meridian with the solar at the cor of secs. 11-12-13 and 14 thence I run
	East on a random line bet. secs. 12 and 13
40.00	Set temp. 1/4 sec. cor.
79.92	Intersect E. bdy. of Tp. 14 lks. N of cor. of secs. 12 and 13 as heretofore described.
	Thence I run
	N. 89° 54' W. on a true line bet. secs. 12 and 13
	Over mountainous land

Subdivision of T. 11 N. R. 2 E.

Chains	
26.50	Ascending in dense brake and undergrowth — Top of ridge bears N. and S. 275 ft. above cor. Descend
39.00	Set a limestone 16x9x6 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. —
46.06	Dry wash and bottom of gulch 260 ft. deep. course S. from N.W. and N. Ascending broken slope to —
79.92	The cor. of secs. 11-12-13 and 14 This cor. stands 300 ft. above gulch Land mountainous Soil gravelly and rock 3rd rate Timber aspen of small size mainly and a few pine scattering. — Dense brake and brush Mountainous land 79.92

	N. 0° 11' W. bet. secs. 11 and 12 Over mountainous land Ascending
1.00	Top of spur runs E. Descend
5.00	Enter aspen brake and brush course E. and W.
20.15	Bottom of gulch 200 ft. deep course S. 70° E. Ascending
37.00	Top. of spur runs E. 280 ft. above gulch. — Begin gradual descent in timber course E. and W.
40.00	Set a conglomerate stone 18x7x6 ins. 12 ins. in the ground for 1/4 sec. cor. marked 1/4 on W. face, from which A pine tree 7 ins. diam. bears N. 57° 56' W. 15 lks dist. marked 1/4 S 11 B.T. A pine tree 5 ins. diam. bears S 53° 45' E. 16 lks dist. marked 1/4 S. 12 B.T.
43.00	Descent becomes more steep on N. slope
63.00	Bottom of gulch 140 ft. below spur course E. Begin ascent over rolling surface
80.00	Set a sandstone 16x8x7 ins. 11 ins. in the ground for cor. of secs. 1-2-11 and 12 marked with 5 notches on S. and 1 notch on E. edges. raised a mound of stones 2 ft. base 1½ ft. high

Subdivision of T 11 N R 2 E

chains	W. of cor. Pits impracticable This cor. stands 160 ft. above gulch Land mountainous Soil gravely and rocky 3rd rate Timber, scattering pine, and dense aspen of small size mainly.— Mountainous land 80.00 chs.— July 15: at this cor. I set off 21°34' N on the decl. arc and at 12h 6m p.m. ? m? observe the sun on the meridian: the resulting lat. is 41°42' 30" N.
	S 89°54' E on a random line bet. secs. 1 and 12
40.00	Set temp. 1/4 sec. cor.
79.86	Intersect E. bdy. of Tp. at cor. of secs. 1 and 12 as heretofore described Thence I run N 89°54' W. on a true line bet. secs. 1 and 12 Over mountainous land Ascending in dense brake and brush
20.00	Top of spur bears S. 80° E
39.93	Set a limestone 17 x 8 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
79.86	The cor. of secs. 1-2-11 and 12 This cor. stands 600 ft. above cor of secs. 1 and 12 Land mountainous Soil gravely 3rd rate Timber, scattering pine.— Dense aspen and willow brake Mountainous land 79.86 chs.—
	N 0°1' W. on a random line bet. secs. 1 and 2
40.00	Set temp. 1/4 sec. cor.
88.30	Intersect N. bdy. of Tp. 23 chs. W. of cor. of secs. 1-2-35 and 36 as heretofore described. Thence I run S 0°8' W. on a true line bet. secs. 1 and 2 Over mountainous land. Ascending gradually on steep, broken E. slope

Subdivision of T. 11 N. R. 2 E.

Chains	
	In timber
5,00	Top of spur runs E. Begin gradual descent
48,50	Set a limestone 16x10x5 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
56,00	Bottom of gulch drains E. 500 ft. below spur Ascend on rolling slope
80,00	Top of spur runs E 300 ft. above gulch. Begin gradual descent to
88,50	The cor. of secs. 1-2-11 and 12 Land mountainous Soil gravely and rocky 3rd rate Timber Aspen of small size mainly, and scattering pine of fair size Mountainous land 88,50 chs. — July 15, 1901
	July 16: at 7h 5m a.m. I set off 41°38' 14" N. on the lat. are 21°27'30" N. on the decl are and determine a true meridian with the solar at the cor of secs. 2-3-34 and 35 on the S. bdy. of Tp. which is a stone firmly set marked and witnessed as described by the surveyor general. Thence I run N. 0°2' W. bet secs 34 and 35 Over mountainous land Descending on N.W. slope
40,00	Set a limestone 18x10x5 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 Old waterpower Saw mill bears S. 50°43' W.
45,50	Enter bottom of Left Hand Fork or Saddle Creek Canon 400 ft. below sec. cor.
47,55	Left Hand Fork or Saddle Creek 24 lks. wide swift current clear water course S.W. Ascend
47,92	Dug Way runs parallel to creek — Wood road
52,80	Same saw mill bears S. 36° 30' W.
60,00	Ascent becomes precipitous, in breaks, course

Subdivision of T. 11 N. R. 2 E.

Chains	parallel with canon
80.00	Set a limestone 17×9×6 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
	This cor. stands 760 ft. above creek. —
	Land mountainous
	Soil gravely and rocky 4th rate
	No timber
	Mountainous land 80.00 chs.
	East on a random line bet. secs. 26 and 35 —
40.00	Set temp. 1/4 sec. cor.
79.88	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
	Descending in precipitous breaks.
25.00	Enter bottom of Left Hand Fork or Saddle Creek Canon 750 ft. below cor.
27.54	Canon Road bears N.E. and S.W.
31.00	Left Hand Fork 25 lks. wide swift current clear water course S.W.
31.70	Begin abrupt ascent on rocky slope
39.94	Set a limestone 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
50.00	Top of spur 460 ft. above creek course S.10° W.
	Descending
62.12	Bottom of ravine 300 ft. deep course S.
	Ascending to
79.88	The cor. of secs. 26-27-34 and 35 —
	This cor. stands 400 ft. above ravine
	Land mountainous
	Soil rocky 4th rate
	Timber: a few cedar and pine scattering
	Mountainous land 79.88 chs. —
	July 16: The sky being overcast during the

Subdivision of T. 11 N. R. 2 E.

Chains	
	noon hour I was unable to observe the sun on the meridian. —
	N 0° 2' W. bet. secs. 26 and 27.
	Over mountainous land
	Ascending in rocky breaks.
21.00	Ravine 130 ft. deep. drains E
31.70	Top of spur runs S. 70° E. 800 ft. above cor.
	Thence on gradual ascent on broken E. slope
40.00	Set a limestone 18 x 10 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. —
54.50	Bottom of ravine 50 ft. deep course S 30° E
	Begin abrupt ascent
80.00	Set a limestone 18 x 10 x 6 in. 12 in. 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 750 ft. above ravine
	Land mountainous
	Soil rocky 4th rate
	Timber: a few pine and cedar scattering
	Mountainous land 80.00 chs. —
	East on a random line bet. secs. 23 and 26
40.00	Set limes. 1/4 sec. cor.
79.94	Intersect N and S line 10 chs. N. of cor. of secs. 23-24-26 and 26
	Thence S. run
	N 89° 56' W. on a true line bet. secs. 23 and 26
	Over mountainous land
	Descending on rocky broken slope
16.10	Bottom of ravine drains S 230 ft. below cor.
	Ascending
32.00	Top of spur runs S. 320 ft. above ravine. Descend
39.97	Set a limestone 17 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. —

Subdivision of T. 11 N R 2 E

Chains	
45.75	Bottom of ravine drains S.E. 200 ft. below spur
	Ascending abruptly to
79.94	The cor. of secs. 22-23-26 and 27
	This cor. stands 600 above ravine
	Land mountainous
	Soil rocky 4th rate
	Timber: a few cedar and pine scattering
	Mountainous land 79.94 chs.—
	July 16. 1901

July 17: at 7h 6m A.M. ? M ? I set off 41° 40' N. on the lat. arc 21° 18' 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

N 0° 2' W. bet. secs. 22 and 23

Over mountainous land

Ascending in broken ledges

2.40	Top of spur runs S 60° E.—
	Thence on gradual ascent on E slope to
22.50	Ravine 80 ft. deep drains S. 75° E.— ascend abruptly
40.00	Set a limestone 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.—
	This cor. stands on top of spur running S. 60° E. 620 ft. above sec. cor.
64.00	Head of ravine course S. 60° E.
	Ascending abruptly in break
72.50	Top of break and divide of watersheds 340 above 1/4 sec. cor. course S 25° W and N.E.
	Begin gradual descent on N.W. Slope
80.00	Set a limestone 16×8×7 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.—
	This cor. stands 50 ft. below top of ridge
	Land mountainous
	Soil rocky 4th rate

Subdivision of T. 11 N. R. 2 E.

Chains	
	Timber: a few cedar and pine scattering
	Mountainous land 80.00 chs.
	S 89° 55' E on a random line bet. secs. 14 and 23
40.00	Set temp 1/4 sec cor.
80.02	Intersect N. and S. line 12 lks. S. of cor. of secs. 13-14-23 and 24
	Thence I run
	S. 89° 59' W. on a true line bet. secs. 14 and 23
	Over mountainous land
	Ascending in dense undergrowth to-
20.00	Leave undergrowth - enter timber course N. and S
40.01	Set a limestone 18 x 10 x 8 in. 12 in. in the ground for 1/4 sec. cor. marked 1/4 on N. face from which
	A pine tree 9 in. diam. bears N. 34° 15' E. 95 lks. dist. marked 1/4 S 14-13 B.T.
	A pine tree 7 in. diam. bears S 38° 10' W. 65 lks dist. marked 1/4 S. 23 B.T.
67.65	Top of Ridge bears N. 10° E and S.W. 1180 ft. above cor. of secs. 13-14-23 and 24
	Leave timber course parallel with ridge
	Descend
80.02	The cor. of secs. 14-15-22 and 23
	This cor. stands 80 ft. below ridge
	Land mountainous
	Soil rocky and gravelly 4th rate
	Timber pine and aspen mainly scattering
	Mountainous land 80.02 chs.
	July 17: at this cor. I set off 21° 14' N. on the decl. arc and at 12 h 6 m p.m. I m.t. observed the sun on the meridian: the resulting lat. is 41° 41' N.
	N. 0° 2' W. bet. secs. 14 and 15
	Over mountainous land
	Descending gradually on N.W. slope
6.00	Enter pine timber course E. and W.
40.00	Set a sandstone 18 x 6 x 6 in. 12 ins. in the ground for 1/4 sec. cor. marked 1/4 on W. face from which

Subdivision of T. 11 N. R. 2 E.

drain	A spruce tree 14 inc. diam. bears S. 70° 35' E 31 lks dist. marked 1/4 S. 14 B.T.
	A spruce tree 24 inc. diam. bears N 49° 10' W. gelev. dist. marked 1/4 S. 15 B.T.
49.00	Point of road from S 20° W leaves N.W.
76.00	Bottom of draw course S 30° W. and bottom of slope 500 ft. below sec. cor.
	Thence over rolling slope
80.00	Set a sandstone 16×9×6 inc. 11 inc in the ground for cor. of secs. 10-11-14 and 15 marked with 4 notches on S. and 2 notches on E. edges from which
	An aspen tree 10 inc. diam. marked T 11 N. R 2 E S 11 B.T. bears N. 67° 30' E 10 lks dist
	An aspen tree 4 inc. diam. bears S 15° 15' E. 4 lks. dist. marked T. 11 N. R. 2 E. S 14 B.T.
	An aspen tree 9 inc. diam. bears S. 79° 40' W. 25 lks dist. marked T 11 N R 2 E S 15 B.T.
	An aspen tree 8 inc diam. bears N. 66° 8' W. 13 lks. dist. marked T. 11 N. R. 2 E. S. 10 B.T.
	Land mountainous
	Soil gravely and rocky 3rd rate
	Timber fine and aspen of fair quality
	Mountainous land 80.00 chs.

	N. 89° 59' E. on a random line between 11 and 14
40.00	Set temp 1/4 sec. cor.
80.20	Intersect N. and S. line 14 lks S of cor. of secs. 11-12 13 and 14
	Thence I run
	S 89° 53' W. on a true line bet. secs. 11 and 14
	Over mountainous land
	Ascending on broken slope in dense undergrowth
29.00	Head of hollow drain S.E.
36.00	Begin abrupt ascent
40.10	Set a porphyry stone 18×10×5 inc. 12 inc. in the ground for 1/4 sec. cor. marked 1/4 on N. face: from which
	An aspen tree 4 inc diam bears S 41° 50' W. 12 lks dist marked 1/4 S 14 B.T.
	An aspen tree 4 inc. diam. bears N. 50° 55' W. 5 lks. dist. marked 1/4 S 11 B.T.

Subdivision of T. 11 N. R. 2 E.

Chains	
57.00	Top of ridge bears N 10° E and S. 15° W. 1060 ft. above sec. cor. — Descend
	Leave undergrowth and enter timber course parallel with ridge
38.00	Enter bottom of draw course S. 30° W. 490 ft. below ridge. —
80.20	The cor. of secs. 10-11-14 and 13 —
	Land mountainous
	Soil rocky and gravelly 3rd rate
	Timber pine and aspen of fair quality
	Mountainous land 80.20 chs. —
	July 17. 1901

July 18: at 7h 11m a.m. I set off 41° 41' 42" N. on the lat. arc 21.07: N. on the decl. arc and determine a true meridian, with the solar, at the cor. of secs. 10-11-14 and 13 — Thence I run N 0° 2' W. bet. secs 10 and 11

Over mountainous land

In timber

Ascending to —

4.50	Top of low spur runs S 30° W.
	Thence over rolling surface
23.85	Bottom of draw course S 20° W. 60 ft. deep
	Woodroad runs S 10° W and N. 20° E.
	Ascending
40.00	Set a sandstone 17 x 9 x 8 inc. 11 inc. in the ground for 1/4 sec. cor. marked 1/4 on W. face: from which
	A spruce tree 6 inc. diam. bears S. 38° 45' E. 8 lks. dist. marked 1/4 S. 11 B.T.
	A spruce tree 10 inc. diam. bears N. 28° 30' W. 31 lks. dist. marked 1/4 S 10 B.T.
56.00	Top of spur runs E. 170 ft. high. — Descending
60.30	Hollow drains S.E. - 50 ft. deep. - ascend
76.50	Top of rocky spur runs E 150 ft. high
	Descending abruptly to —
80.00	Set a limestone 18 x 7 x 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.

Chains	high W. of cor. Pits impracticable
	Land mountainous
	Soil rocky and gravelly 3rd rate
	Timber pine and aspen of fair quality but thin growth
	Mountainous land 80.00 chs.
	N. 89° 58' 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. 1-2-11 and 12
	Thence I run
	West on a true line bet. secs. 2 and 11
	Over mountainous land
	Ascending on broken slope in scattering timber
34.50	Top of ridge dividing watersheds, bears N. 10° E. and S. 10° W. 700 ft. above cor. —
	Descending
40.00	Set a limestone 18 x 9 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
45.00	Enter timber course N. and S.
75.00	Head of gulch drains N. 600 ft. below ridge
	Ascending abruptly to
80.00	The cor. of secs. 2-3-10 and 11
	This cor. stands 100 ft. above gulch
	Land mountainous
	Soil gravelly and rocky 3rd rate
	Timber pine and aspen of fair quality
	Mountainous land 80.00 chs. —
	July 18: at this cor. I set off 21° 4' N. on the decl. arc and at 12h 6m p.m. I with observed the sun on the meridian: the resulting lat. is 41° 42' 30" N.
	N. 0° 2' W. on a random line bet. secs. 2 and 3
40.00	Set temp. 1/4 sec. cor.
88.34	Intersect N. bdy. of Tp. 12 lks. E. of cor. of secs. 2-3-34 and 35 as heretofore described
	Thence I run

Subdivision of T 11 N R 2 E

Chains	
	S. 0° 7' E. on a true line bet. secs. 2 and 3.
	Over mountainous land
	Ascending gradually, in timber
23.00	Bottom of gulch course N. 30° W. 50 ft. deep.
	Thence along bottom gulch, broken slope
48.34	Set a limestone 17×9×7 ins. 11 ins. in the ground for 1/4 sec. cor. marked 1/4 on W. face: from which
	A pine tree 19 ins. diam. bears S 60° 15' W. 18 lks. dist. marked 1/4 S. 3 B.T.
	A pine tree 9 ins. diam. bears N. 64° 0' E. 27 lks dist. marked 1/4 S. 2 B.T.
77.00	Gulch turns to the S.E.
	Begin ascent on steep rocky slope
88.34	The cor. of secs. 2-3-10 and 11
	This cor. stands 500 ft. above cor. on N. bdy.
	Land mountainous
	Soil gravelly and rocky 3rd and 4th rate
	Timber pine and aspen of good size and quality — heavy forest
	Mountainous land 88.34 chs.-

	The westernmost 3½ miles on S. bdy. of Tp. being irregular I begin at the cor. of secs. 26-27. 34 and 35 as heretofore described, thence I run West on a sectional correction line bet. secs. 27 and 34.-
	Over mountainous land
	Ascending on broken rocky slope
35.00	Top of spur runs S. 15° E. 580 ft. above cor.
	Begin descent in rocky breaks
40.00	Set a limestone 17×9×7 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
80.00	Set a limestone 18×10×6 ins. 12 ins. in the ground for cor. of secs. 27-28-33 and 34 marked with 1 notch on S. and 3 notches on E. edge: raised a mound of stones 2 ft. base 1½ ft. high W. of cor.- Pits impracticable
	This cor. stands 700 ft. below top of spur
	Land mountainous

Subdivision of T. 11 N. R. 2 E.

Chains	
	Soil rocky 4th rate
	Timber, a few scrubby cedar scattering
	Mountainous land 80.00 chs. —
	July 18, 1901
	July 19: at 7h 12m a m I m T O set off 41°39' N. on the lat. arc 20°57' N. on the decl. arc and determine a true meridian with the solar at the cor. of secs. 27-28-33 and 34 thence from
	West bet. secs. 28 and 33; sectional correction line
	Over mountainous land
	Descending on rocky slope to
31.10	Bottom of Canon and stream 2 lks. wide course S. 50° E. 400 ft. below cor.
	Enter timber and brush. course parallel with canon
	Ascending abruptly
40.00	Set a limestone 16×8×6 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
69.00	Top of Canon bears N.W. and S.E. —
	Begin gradual ascent to
80.00	Set a limestone 17×8×6 in. 12 in. in the ground for cor. of secs. 28-29-32 and 33 marked with 1 notch on S. and 4 notches on E. edges: from which
	A pine tree 7 in. diam. bears S 25°45' W. 61 lks. dist. marked T. 11 N. R. 2 E. S. 32 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 900 ft. above bottom of gulch
	Land mountainous
	Soil rocky and gravely 4th rate
	Timber pine and aspen
	Mountainous land 80.00 chs. —
	West bet. secs 29 and 32, on sectional correction line
	Over mountainous land
	Ascending, in scattering timber
.50	Top of slope, and spur running N. — Descend

Subdivision of T. 11 N. R. 2 E.

Chains	
11.00	Bottom of draw 90 ft. deep course N 30° E.
	Leave timber course parallel with draw —
	Ascending
21.70	Top of spur running S. 180 ft. above draw
	Descending on S.W. slope
40.00	Set a limestone 16 x 9 x 8 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
63.00	Enter dense, rank maple brush course N. and S.
80.00	Set a Phonolite stone 16 x 8 x 6 inc. 11 inc. in the ground for cor. of secs. 29-30-31 and 32 marked
	with 1 notch 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 5.50 ft. below top of spur
	Land mountainous
	Soil gravely and rocky 3rd rate —
	Timber pine, scattering
	Mountainous land 80.00 chs. —
	July 19: The sky being overcast during the noon hour I was unable to observe the sun on the meridian. —
	West. bet. secs. 30 and 31, on sectional correction line
	Over mountainous land
	Descending in dense undergrowth —
11.06	Stream 1 lk. wide flows N.W. in bottom of gulch
	240 ft. below cor.
	Thence on broken N. slope
27.40	Bottom of hollow 120 ft. deep course N 30° W.
40.00	Set a phonolite stone 16 x 8 x 6 inc. 11 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 12° 55' W. 13 lks dist. marked 1/4 S 30 B.T.
	A maple tree 7 inc. diam. bears S 3° 0' W 20 lks. dist marked 1/4 S. 31 B.T.
	Descending to
46.52	Bottom of gulch 150 ft. deep course N. 25° W.

Subdivision of T. 11 N. R. 2 E.

chains	Ascending
68.00	Top of spur runs N. 300 ft. above gulch
	Thence on gradual descent to
73.60	Intersect W. bdy. of Tp. 16.20 chs. S. of E. cor. of secs. 25-30-31 and 36 as heretofore described, and from which I remove all markings pertaining to secs. 30 and 31
	I set a porphyry stone 16×8×6 in. 11 in. in the ground for closing cor. of secs. 30 and 31 marked C.C. on E. with 1 grove on S. and 5 groves on N. faces: from which
	A pine tree 9 in. diam. bears S. 64° 35' E. 40 lks. dist. marked T. 11 N. R. 2 E. S. 31 B.T.
	A pine tree 9 in. diam. bears N 71° 0' E. 20 lks. dist. marked T. 11 N. R. 2 E. S. 30 B.T.
	Land mountainous
	Soil gravely and rocky 3rd rate
	Timber, a few Pine scattering
	Dense rank undergrowth of maple, aspen and thorn.—
	Mountainous land 73.60 chs.—
	From the cor. of secs. 27-28-33 and 34 I run
	S. 0° 2' E. on a random line bet. secs. 33 and 34
40.00	Set temp. 1/4 sec. cor.
77.60	Intersect S. bdy. of Tp. 14 lks. E. of cor. of secs. 3-4-33 and 34 as heretofore described
	Thence I run
	N 0° 2' E on a true line bet. secs. 33 and 34
	Over mountainous land
	On broken rocky E. slope to
37.60	Set a limestone 17×8×5 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 1 1/2 ft. high W. of cor.—
	Pits impracticable
	Descending to
68.50	Bottom of canon 300 ft. below 1/4 sec. cor. course S.E.
58.70	Dragroad runs parallel with canon
	Ascending broken slope to
77.60	The cor. of secs. 27-28-33 and 34
	This cor. stands 460 ft. above bottom of canon
	Land mountainous

Subdivision of T. 11 N. R. 2 E.

chains	
	Soil rocky and gravelly 4th rate
	No timber
	Mountainous land 77.60 chs —
	July 19, 1901
	July 20: at 7.48 a m, I m T I set off 41° 39' N. on the lat. arc 20° 45' 30" N. on the decl. arc and determine a true meridian with the solar at the cor. of secs. 27-28-33 and 34 thence I run
	N. 0° 2' W. bet. secs. 27 and 28
	Over mountainous land
	Ascending on rocky broken slope
37.50	Perpendicular break bears E and W. 70 ft. high
40.00	Set a limestone 18 x 8 x 4 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. —
50.40	Top of slope, and spur running S.W. 1100 ft. above sec. cor. — Begin gradual descent
66.10	Bottom of hollow 90 ft. deep course S 70° W.
	Ascending
80.00	Set a limestone 18 x 10 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. edge; raised a mound of stones 2 ft. base 1½ ft. high W. of cor. Pits impracticable
	This cor. stands 120 ft above bottom of hollow
	Land mountainous
	Soil rocky and gravelly 4th rate
	Timber, a few pine and cedar scattering
	Mountainous land 80.00 chs. —
	East on a random line bet. secs. 22 and 27
40.00	Set limst. 1/4 sec. cor.
80.06	Intersect N. and S. line 16 lks S. of cor. of secs. 22-23-26 and 27
	Thence I run
	S. 89° 53' W. on a true line bet. secs. 22 and 27
	Over mountainous land
	Ascending abruptly on breaks.
23.70	Top of spur runs S 25° W. 580 ft. above cor.

Subdivision of T. 11 N. R. 2 E.

Chains	
	Descending
30.12	Bottom of ravine 100 ft. deep drains S. 30° W.
	Ascending abruptly
35.65	Top of breaks, and ridge bears N. and S. 300 ft. above ravine. — Descending to
40.03	Set a limestone 18×12×7 in. 12 in. in the ground for 1/4 sec. cor. marked 1/4 on N. face: from which
	A pine tree 18 in. diam. bears S. 19° 25' W. 26 lks. dist. marked 1/4 S. 27 B.T.
	A pine tree 12 in. diam. bears N. 63° 40' W. 45 lks. dist. marked 1/4 S. 22 B.T.
58.00	Bottom of hollow 40 ft. deep drains S.W.
80.06	The cor of secs. 21-22-27 and 28
	This cor. stands 300 ft. below top of ridge
	Land mountainous
	Soil rocky 4th rate
	Timber, a few pine and cedar scattering
	Mountainous land 80.06 chs. —
	July 20: at this cor. I set off 20° 42' 30" N. on the decl. arc and at 12h 6m p.m. I in 2 observe the sun on the meridian: the resulting lat. is 41° 40' N. —
	N. 0° 2' W. bet. secs. 21 and 22
	Over mountainous land
	Ascending gradually to
3.00	Wood road bears N. 70° E. and S. 70° W.
20.00	Begin abrupt ascent course N. 75° E. and S. 75° W.
40.00	Set a sandstone 18×9×6 in. 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. —
49.25	Top of Millville Peak, running east about 10 chs. and beginning to slope west from here
	Aneroid gives elevation 9100 ft., 700 ft. above sec. cor.
	Begin abrupt descent
76.50	Enter timber course E. and W. and descend gradually
80.00	Set a sandstone 18×9×8 in. 12 in. in the ground for cor. of secs. 15-16-21 and 22 marked with 3 notches on S. and E. edges: from which
	A pine tree 15 in. diam. bears S. 19° 18' W. 45 lks. dist

Subdivision of T. 11 N. R. 2 E.

Chains	
	marked T. 11 N. R. 2 E. S. 21 B.T.
	A pine tree 11 in. diam. bears N. 37° 0' E. 37 lks.
	dist. marked T. 11 N. R. 2 E. S. 16 B.T.
	A pine tree 12 in. diam. bears N. 25° 46' W. 21 lks.
	dist. marked T. 10 N. R. 2 E. S. 16 B.T.
	A pine tree 6 in. diam. bears S. 48° 5' E. 40 lks.
	dist. marked T. 11 N. R. 2 E. S. 22 B.T.
	This cor. stands 1000 ft. below top of Peak
	Land mountainous
	Soil gravely and rocky 3rd rate
	Timber pine of good quality
	Mountainous land 80.00 chs. —
	N. 89° 53' E. on a random line bet. secs. 15 and 22
40.00	Set limst. 1/4 sec. cor.
79.96	Intersect N. and S. line 17 lks. N. of cor. of secs. 14-15-22 and 23
	Thence I run
	West on a true line bet. secs. 15 and 22
	Over mountainous land
	Descending
12.80	Wood road bears N. and S.
23.15	Bottom of gulch drains N. 200 ft. below cor.
	Ascending
31.50	Top of spur runs N. 130 ft. high. — Descending
39.98	Set a limestone 16 x 8 x 8 in. 11 in. in the ground for 1/4 sec. cor. marked 1/4 on N. face: from which
	A pine tree 9 in. diam. bears S. 41° 15' W. 16 lks.
	dist. marked 1/4 S. 22 B.T.
	A pine tree 14 in. diam. bears bears N. 63° 15' E.
	32 lks. dist. marked 1/4 S. 15 B.T.
56.85	Spring branch 2 lks. wide 40 lks. below head of spring
	course N.W.
	Old deserted cabin bears S.E. 1 ch.
	Begin gradual ascent
78.00	Enter pine timber course N. and S.
79.96	The cor. of secs. 15-16-21 and 22
	This cor. stands 150 ft. above branch
	Land mountainous
	Soil rocky and gravely 4th rate
	Timber scattering pine trees the whole distance

Chains	Mountainous land 79.96 chs. —
	N. 0° 2' W. bet. secs. 15 and 16
	Over mountainous land
	Descending, in timber
30,45	Stream 3 lks wide in bottom of Providence Canon course N. 75° W. 300 ft. below cor.
	Thence over broken surface and moraine in bottom of canon through brake and scattering timber
40,00	Set a phonolite stone 16 x 8 x 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
	This cor. stands on moraine ridge 100 ft. high.
	Descend to
43,00	Bottom of hollow 80 ft. deep course W.
	Begin ascent in slide rock
75,00	Top of spur runs S.W. 480 ft. above hollow. Descend
80,00	Set a phonolite stone 18 x 12 x 9 ins. 12 ins. in the ground for cor of secs. 9-10-15 and 16 marked with 3 notches on E and 4 notches on S. edges: from which
	A pine tree 9 ins. diam. bears N. 26° 30' W. 42 lks. dist. marked T. 11 N R 2 E S 9 B.T
	A pine tree 8 ins. diam. bears N 8° 10' E 38 lks. dist. marked T 11 N R 2 E. S 10 B.T.
	An aspen tree 6 ins. diam. bears S. 58° 50' E. 16 lks. dist marked T 11 N R 2 E. S 15 B.T.
	An aspen tree 9 ins. diam. bears S 5° 10' W. 55 lks. dist. marked T 11 N R 2 E S 16 B.T.
	Land mountainous
	Soil rocky and gravely 4th rate
	Timber pine and aspen
	Mountainous land 80,00 chs. —
	July 20, 1901
	July 21: at 7h 5m a.m. ? m ? I set off 41° 41' 42" N. on the lat. arc 20° 34' 30" N. on the dec. arc and determine a true meridian with the solar at the cor. of secs. 9-10-15 and 16
	Thence I run
	East on a random line bet. secs. 10 and 15

Subdivision of T. 11 N. R. 2 E.

Chains	
40.00	Set temp. 1/4 sec. cor.
79.92	Intersect N. and S. line 10 lks. N. of cor. of secs. 10-11-14 and 15.
	Thence I run
	N. 89° 56' W. on a true line bet. secs. 10 and 15 –
	Over mountainous land
	Ascending in scattering timber
1.75	Top of low spur runs S. 26° W. Descend
3.40	Bottom of hollow 60 ft. deep course S. 25° W.
	Wood road runs parallel in hollow. – Ascend
22.00	Begin abrupt ascent course N. 15° E. and S. 15° W.
34.00	Top of spur runs S. 650 ft. above hollow
	Begin gradual descent on broken S.W. slope
40.00	Set a phonolite stone 17 x 7 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
72.00	Begin descent on S.W. slope
79.92	The cor. of secs. 9-10-15 and 16
	This cor. stands 425 ft. below top of spur
	Land mountainous
	Soil rocky and gravelly 4th rate
	Timber pine and aspen scattering
	Mountainous land 79.92 chs. –
	N. 0° 2' W. bet. secs. 9 and 10
	Over mountainous land
	Ascending abruptly in scattering timber
20.00	Leave timber course E. and W.
40.00	Set a phonolite stone 18 x 9 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
61.50	Top of ridge bears N. 10° W. and S. 10° E: thence on gradual ascent on S.E. slope to –
80.00	Set a limestone 18 x 9 x 6 ins. 12 ins. in the ground for cor. of secs. 3-4-9 and 10 marked with 5 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
	This cor. stands 940 ft. above cor. of secs. 9-10-15

Subdivision of T 11 N R 2 E

chains	and 16. – Aneroid Elev. 9340 ft.
	Land mountainous
	Soil gravely and rocky 4th rate
	Timber pine and aspen
	Mountainous land 80.00 chs. –
	July 21: at this cor. I set off 20°31' N. on the lat. arc and at 12h 6m p.m. I mt observed the sun on the meridian the resulting lat. is 41°43' N.
	S. 89°56' E on a random line bet. secs. 3 and 10
40.00	Set temp. 1/4 sec. cor.
80.08	Intersect N and S. line at cor. of secs. 2-3-10 and 11.
	Thence I run
	N 89°56' W. on a true line bet. secs. 3 and 10
	Over mountainous land
	Ascending abruptly on rocky slope in timber
1.80	Perpendicular cliff 40 ft. high course N. and S.
25.00	Leave timber course N. and S.
40.00	Set a limestone 16×9×7 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.
65.00	Top of spur runs S. from Providence Peak which bears N. about 10 chs., 1430 ft. above sec. cor.
70.00	Begin descent
76.90	Bottom of ravine 80 ft. deep course S. 20° E.
	Ascending
77.50	Snowbank 16 ft. deep runs parallel with ravine
79.00	Leave Snowbank
80.08	The cor. of secs. 3-4-9 and 10
	Land mountainous
	Soil rocky and gravely 4th rate
	Timber, pine, scattering
	Mountainous land 80.08 chs.
	N 0°2' W. on a random line bet. secs. 3 and 4
40.00	Set temp. 1/4 sec. cor.
88.58	Intersect N. bdy. of Tp. at cor. of secs. 3-4-33 and 34 as heretofore described
	Thence I run
	S. 0°2' E. on a true line bet. secs. 3 and 4

Subdivision of T. 11 N. R. 2 E.

Chains	
	Over mountainous land
	Ascending gradually in bottom of canon in brush and scattering timber
48.58	Set a limestone 18×8×7 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.—
56.00	Begin abrupt ascent on precipitous rocky slope
71.00	Top of break and spur runs N.W. Leave timber
	Thence on N.W. even slope and gradual ascent
78.00	Top of Providence Peak bears E. about 15 chs.
86.00	Top of ridge bears N.E. and S. 20° W. 17.60 ft. above sec. cor.— Aneroid Elev. 9365, Peak about 200 ft. higher
	Descend
88.58	The cor. of secs. 3-4-9 and 10
	Land mountainous
	Soil rocky and gravely 4th rate
	Timber, pine, very scattering
	Mountainous land 88.58 chs.
	July 21. 1901
	July 22: at 7h 3m a.m. 7m t I set off 41°39' N on the lat. arc 20°23' N. on the decl arc and determine a true meridian with the solar at the cor. of secs. 28-29-32 and 33 thence I run S 0°3' E. on a random line bet. secs. 32 and 33
40.00	Set temp 1/4 sec cor.
73.10	Intersect S. bdy. of Tp. 7 lks. S 86°41' E. of cor. of secs. 32 and 33 as heretofore described
	Thence I run
	North on a true line bet. secs. 32 and 33
	Over mountainous land
	Ascending over broken surface
33.10	Set a limestone 18×11×8 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
51.40	Top of slope, and ridge running E. and W. 430 ft. above sec. cor.
	Begin descent on broken slope to
73.10	The cor. of secs. 28-29-32 and 33

Subdivision of T. 11 N. R. 2 E.

Chains	This cor. stands 180 ft. below top of ridge
	Land mountainous
	Soil gravelly 3rd rate
	No timber. — Aspen brake in patches
	Mountainous land 73.10 chs
	N 0° 3' W. bet. secs. 28 and 29
	Over mountainous land
	Descending in scattering timber
4.00	Descent becomes abrupt, in timber
18.75	Bottom of Canon course S. 75° E. 360 ft. below cor.
	Begin abrupt ascent; — Leave timber
34.00	Ascent becomes less abrupt course E. & W.
34.63	Wood road bears E. and W.
40.00	Set a limestone 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
52.00	Top of spur runs E. 500 ft. above bottom of canon
	Thence over steep broken E. slope to
80.00	Set a limestone 18 x 9 x 6 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 and rocky 3rd rate
	Timber, pine of young growth and aspen brake and brush. —
	Mountainous land 80.00 chs.
	July 22: at this cor. I set off 20° 19' 30" N. on the decl arc and at 12 h 6 m p.m. I next observed the sun on the meridian: the resulting lat. is 41° 40' N.
	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. 21-22-27 and 28
	Thence I run
	West on a true line bet. secs. 21 and 28

Subdivision of T 11 & R 2 E

Chains	
	Over mountainous land
	Descending in aspen brake
20,40	Wood road bears S 70° W. and N 70° E
24,50	Same road bears N.W. and S.E.
25,00	Small spring by abandoned sawmill seat bears N. 13° 51' W 56.0 chs
40,00	A stationary limestone 16 x 10 x 9 ins. 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 —
50,42	Edge of perpendicular canon 300 ft deep and it is impossible to chain further, therefor I set a flag at this point and measure a base line at right angles to my course, South 4.00 chs. and not being able to prolong the base beyond this point I there place a flag and go to a point on the opposite side of Canon where flag on line bears East and flag at S end of base line bears S. 80° 02' E. and the angle thus determined and which is a plate angle carefully measured is 9° 58' hence tang 4.00 : 1 :: X = $\frac{4.00}{\text{tang } 9°58'}$ = 22.76 =
73.18	West edge of canon course S. —
	Ascending to
77,45	Wood road bears N and S.
80,00	The cor. of secs. 20-21-28 and 29
	This cor. stands 130 ft. above edge of canon and 200 ft. below cor. of secs. 21-22-27 and 28
	Land mountainous
	Soil gravely and rocky 4th rate.
	Timber a few pine scattering and dense aspen brake. —
	Mountainous land 80.00 chs. —
	N. 0° 3' W. bet. secs. 20 and 21
	Over mountainous land
	Ascending on steep E. slope in dense brake and scattering timber
19.00	Top of spur runs S. 65° E. 150 ft. above cor.
	Descend
26.06	Bottom of gulch 90 ft. deep course S. 65° E.
	Ascending

Subdivision of T. 11 N. R. 2 E.

Chains

40,00 Set a phonolite stone 18 x 14 x 8 in. 12 in. in the ground for 1/4 sec. cor. marked 1/4 on W. face from which
An aspen tree 6 in. diam. bears S. 66° 27' W. 15 lks. dist. marked 1/4 S 20 B.T.
An aspen tree 4 in. diam. bears N. 62° 18' E. 11 lks. dist. marked 1/4 S 21 B.T.

65,50 Top of ridge bears E. and W. 570 ft. above gulch
Begin abrupt descent on N E. slope

80,00 On narrow ledge of perpendicular cliff facing N.E. 28 ft. high, at 9 ft. from bottom I mark a sharp point with 3 notches on S. and 4 notches on E. edges for cor. of secs. 16-17-20 and 21: raised a mound of stones 2 ft. base 1½ ft. high on ledge W. of cor. Pits impracticable
This cor. stands 180 ft. below top of ridge
Land mountainous
Soil gravelly and rocky 3rd rate
Timber, pine trees scattering and dense aspen of small size mainly. —
Mountainous land 80,00 chs. —

July 22, 1901

July 23: at 7h 12 m a.m. I set off 41° 41' N. on the lat. arc 20° 11' N. 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
East on a random line bet. secs. 16 and 21

40,00 Set temp. 1/4 sec. cor.

80,10 Intersect N. and S. line 7 lks. N. of cor. of secs. 15-16-21 and 22
Thence I run
N 89° 57' W. on a true line bet. secs. 16 and 21
Over mountainous land
Ascending gradually on broken N. slope in timber

10,10 Ascent becomes abrupt and broken

40,05 Set a phonolite stone 17 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

Subdivision of T 11 N R 2 E

Chains	
	1½ ft. high N. of cor. Pits impracticable
45,50	Top of spur running N. 400 ft. above sec. cor.
	Descend
51.00	Bottom of ravine 100 ft. deep course N. – ascend
67,40	Top of spur running N. 180 ft. high. – descend
74.12	Bottom of ravine 90 ft. deep course N.
	Ascending to
80.10	The cor. of secs. 16-17-20 and 21
	This cor. stands 100 ft. above ravine
	Land mountainous
	Soil gravely and rocky 3rd and 4th rate
	Timber, pine scattering
	Mountainous land 80.10 chs —
	N. 0° 3' W. bet. secs. 16 and 17
	Over mountainous land
	Descending steep rocky slope in scattering timber
34.30	Bottom of ravine 90 ft. deep course N. 20° W.
40.00	Set a limestone 17×9×5 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
45,45	Stream 10 lks wide in bottom of Providence Canon 1100 ft. below sec. cor. course W.
46,30	Wood road runs parallel with canon
	Begin abrupt ascent
80,00	Set a phonolite stone 18×9×6 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 700 ft. above bottom of canon
	Land mountainous
	Soil rocky 4th rate
	Timber pine and aspen mostly scattering
	Mountainous land 80,00 chs.
	July 23: at this cor. I set off 20° 7' 30" N. on the decl. arc and at 12h 6m p.m., 1 m.t. observe the sun on the meridian: the resulting lat. is 41° 41' 42" N.

Subdivision of T. 11 N. R. 2 E.

Chains	
	S. 89° 57' E. on a random line bet. secs. 9 and 16
40.00	Set limb 1/4 sec. cor.
79.92	Intersect N. and S. line at cor. of secs. 9-10-15 and 16
	Thence S. runs
	N. 89° 57' W. on a true line bet. secs. 9 and 16
	Over mountainous land
	Descending on broken slope in timber and undergrowth
6.05	Bottom of ravine course S. 20° W. 90 ft. below cor.
	Ascending
33.00	Top of spur running S. 20° W. 150 ft. high. — Descend
39.96	Set a phonolite stone 16 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. —
49.75	Bottom of ravine 250 ft deep course S. 20° W.
	Ascending
70.00	Top of spur 230 ft. above ravine, runs S. 20° W.
79.92	The cor. of secs. 8-9-16 and 17
	This cor. stands 140 ft. below spur
	Land mountainous
	Soil gravely and rocky 4th rate
	Timber pine and aspen, thin growth mainly
	Dense brake and brush
	Mountainous land 79.92 chs. —
	N. 0° 3' W. bet. secs. 8 and 9
	Over mountainous land
	Ascending abruptly in scattering timber, and brush
18.00	Top of spur runs S.W. 300 ft. above cor. Descend
28.00	Bottom of ravine 150 ft. deep course S.W. ascending
40.00	Set a phonolite stone 16 x 9 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
67.00	Top of ridge bears E. and W. 700 ft. above ravine
	Begin abrupt descent, in timber course E. and W.
80.00	Set a limestone 17 x 9 x 6 in. 12 in. in the ground for cor. of secs. 4-5-8 and 9 marked with 5 notches on S. and 4 notches on E. edge: raised a mound of stones 2 ft. base 1½ ft. high W. of cor. —
	Pits impracticable. —

Subdivision of T. 11 N. R 2 E.

Chains	
	This cor. stands 240 ft. below ridge
	Land mountainous
	Soil rocky and gravely 3rd rate
	Timber, pine, scattering
	Mountainous land 80.00 chs. —
	July 23, 1901.
	July 24: at 7h 14m a.m., 7 m 7 I set off 41°42'30" N. on the lat. arc 19°58' N. 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 S 89°57' E on a random line bet. secs. 4 and 9
40.00	Set temp. 1/4 sec. cor.
79.78	Intersect N. and S. line 12 lks. S of cor. of secs. 3-4-9 and 10
	Thence I run
	S 89°58' W. on a true line bet. secs. 4 and 9
	Over mountainous land
	Ascending gradually to
1.00	Top of ridge bears S. and N. 25° E. —
	Begin abrupt descent
5.00	Enter scattering timber
21.15	Bottom of gulch drains N 30° W. 600 ft. below ridge. — ascending steep rocky N.E. slope
39.89	Set a limestone 17×8×6 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.
	This cor. stands on top of spur running N. 350 ft above bottom of gulch. —
	Thence on broken N. slope and gradual ascent
79.78	The cor. of secs. 4-5-8 and 9
	This cor. stands 1.00 ft. above spur
	Land mountainous
	Soil gravely and rocky 4th rate
	Timber, pine, scattering mainly
	Mountainous land 79.78 chs. —
	N. 0°3' W. on a random line bet. secs. 4 and 5
40.00	Set temp. 1/4 sec. cor.
88.34	Intersect N. bdy. of Tp. 16 lks. W. of cor. of secs. 4-5

Subdivision of T. 11 N. R. 2 E.

Chains	
	32 and 33 as heretofore described
	Thence I run
	S. 0° 4' W. on a true line bet. secs. 4 and 5
	Over mountainous land
	Descending steep broken rocky slope in timber
21.50	Bottom of gulch 340 ft. below cor. course N. 66° W.
	Begin abrupt ascent
33.00	Top of spur runs N. 66° W. 250 ft. high. — Descend
48.34	Set a limestone 18 x 8 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. —
57.70	Bottom of Canon 520 ft. below ridge course N. 70° W.
	Ascending on steep rocky slope W.
88.34	The cor. of secs. 4-5-8 and 9
	This cor. stands 600 ft. above bottom of gulch
	Land mountainous
	Soil rocky and gravelly 4th rate
	Timber, pine, scattering
	Mountainous land 88.34 chs. —
	July 24: at this cor. I set off 19° 56' N. on the decl. arc and at 12h 56m p.m. l.m.t. observe the sun on the meridian: the resulting lat. is 41° 42' 30" N. —

	From cor. of secs. 29-30-31 and 32 as heretofore described I run
	S. 0° 4' E. on a random line bet. secs. 31 and 32
40.00	Set temp. 1/4 sec. cor.
68.32	Intersect S. bdy. of Tp. 19 lks. W. of cor. of secs. 31 and 32 as heretofore described
	Thence I run
	N. 0° 14' W. on a true line bet. secs. 31 and 32
	Over mountainous land
	Descending on steep broken slope in scattering timber and dense brush
28.32	Set a limestone 16 x 8 x 6 inc. 11 inc. in the ground for 1/4 sec. cor. marked 1/4 on W. face from which
	A pine tree 6 inc. diam. bears S. 83° 8' E. 23 links distant marked 1/4 S. 32 B.T.

Subdivision of T 11 N R 2 E.

Chains	
	A pine tree 8 in. diame. bears N 74° 45' W. 22 lks dist. marked 1/4 S. 31 13. T.
55,50	Bottom of gulch and stream 1 lk wide course N. 60° W 600 ft. below sec. cor.
60,00	Top of spur running W. 50 ft. high. - Descend
63,10	Bottom of gulch. drain W. 45 ft. deep.
	Begin abrupt ascent
68,32	The cor. of secs. 29-30-31 and 32
	This cor stands 100 ft. above gulch
	Land mountainous
	Soil gravely 3rd rate
	Timber, scattering fine trees. -
	Dense rank undergrowth of maple willow and aspen. —
	Mountainous land 68,32 chs. —
	N 0° 4' W. bet. secs. 29 and 30
	Over mountainous land
	Ascending. in dense rank undergrowth —
4,25	Top of spur runs W. 50 ft. above cor. Descend
14,20	Bottom of gulch course S. 75° W. 200 ft. below spur
	Wood road runs parallel with gulch
	Ascending broken slope
32,50	Top. spur runs SW. 330 ft. above gulch. -
	Thence along W. slope on gradual ascent to -
40,00	Set a limestone 18 x 10 x 8 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
50,00	Descend
54,55	Spring branch 1 lk. wide flows S.W. in bottom of ravine 50 ft. deep. Spring bears N.E. about 2 chs.
	Begin abrupt ascent on broken slope to -
80,00	Set a phonolite stone 17 x 9 x 7 in. 12 in. in the ground for cor of secs. 19-20-29 and 30 marked with 2 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 700 ft. above wood road in bottom of gulch. —
	Land mountainous

Subdivision of T. 11 N. R. 2 E.

Chains	
	Soil gravely and rocky 4th rate
	Timber, a few scattering pine.—
	Dense rank underbrush
	Mountainous land 80.00 chs.—
	July 24, 1901
	July 25: at 7h 10m a.m. I set off 40°00' N. on the lat. are 19°46' N. on the decl. are 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.
80.12	Intersect N. and S. line 16 lks. S. of cor. of secs. 20 21-28 and 29.
	Thence I run
	S. 89°54' W on a true line bet. secs. 20 and 29
	Over mountainous land
	Ascending abruptly in scattering timber and dense undergrowth.—
29.50	Top of ridge bears N. and S. 520 ft. above cor.
32.00	Descending.— Leave timber and undergrowth—
38.50	Enter dense aspen brake
40.06	Set a Bloodite stone 17×8×6 in. 12 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. 34°25' W. 10 lks dist. marked 1/4 S. 20 B.T.
	An aspen tree 4 in. diam. bears S. 45°20' W. 11 lks. dist. marked 1/4 S. 29 B.T.
80.12	The cor. of secs. 19-20-29 and 30
	This cor. stands 515 ft. below top of ridge
	Land mountainous
	Soil gravely and rocky 4th rate
	Timber, scattering pine and aspen.
	Dense brake and brush
	Mountainous land 80.12 chs.—
	By reason of closing on W. bdy. bet. sec. 30 and 31 I run
	West bet. secs. 19 and 30 on true line
	Over mountainous land

Subdivision of T. 11 N. R. 2 E.

Chains	
	Descending
17.50	Bottom of gulch drains S. 30° W. 200 ft. below cor.
	Ascending
28.45	Top of spur 140 ft. high runs S. 25° W. Descend
39.75	Bottom of gulch 175 ft. below spur, course S. 15° W.
	Ascending
40.00	Set a phonolite stone 18 x 15 x 3 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
44.00	Top of spur runs S. 65 ft. high. - Descend
47.25	Bottom of gulch course S 90 ft. below spur
	Begin abrupt ascent
64.50	Top of ridge runs N and S 325 ft. above gulch
	Descending
73.86	Intersect W. bdy. of Tp. 16.00 chs. 50 lks. cor. of secs. 19-24-25 and 30 as heretofore described and from which cor. I remove all markings relating to secs. 19 and 30. thence
	I set a limestone 18 x 10 x 5 inc. 12 inc in the ground for closing cor. of secs. 19 and 30 marked C.C. on E with 2 grooves on S and 4 grooves on W. faces. I raised a mound of stones 2 ft. base 1½ ft. high E. of cor. Pits impracticable
	This cor. stands 90 ft. below top of ridge
	Land mountainous
	Soil gravelly and rocky 3rd and 4th rate
	No timber. - Dense undergrowth in patches
	Mountainous land 73.86 chs
	July 25: The sky being overcast during the noon hour I was unable to observe the sun on the meridian. —
	N. 0° 4' W. bet. secs. 19 and 20
	Over mountainous land
	Ascending on steep broken slope
38.00	Top of spur running W. 500 ft. above cor.
	Begin descent
40.00	Set a limestone 18 x 10 x 4 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.

Subdivision of T 11 N R 2 E

Chains	
	high W. of cor. Pits impracticable
50.65	Bottom of ravine 200 ft. below spur course N 75° W.
	Ascending
68.50	Top of spur runs W. 150 ft. high. – Descend
80.00	Set a limestone 18×9×6 ins. 12 ins in the ground for cor. of secs. 17–18–19 and 20. marked with – 3 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. –
	This cor. stands 170 ft. below top of spur
	Land mountainous
	Soil gravely and rocky. 3rd and 4th rate
	No timber. –
	Mountainous land 80.00 chs. –
	N. 89° 54' E on a random line bet. secs. 17 and 20
40.00	Set temp 1/4 sec. cor.
79.96	Intersect N. and S. line 15 chs N. of cor. of secs. 16–17–20 and 21
	Thence S run
	West on a true line bet. secs. 17 and 20
	Over mountainous land
	Ascender, on steep N.E. slope in scattering timber
3.60	Top of spur runs N. 70 ft. above cor. Descend
18.50	Bottom of ravine 250 ft. deep course N.
	Ascending broken slope to –
39.98	Set a limestone 16×9×7 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. –
45.40	Top of spur runs N. 10° W. 200 ft. above ravine
	Descend
68.15	Bottom of ravine 320 ft. below spur, course N 10° W.
	Ascending to –
79.96	The cor of secs. 17–18–19 and 20
	This cor stands 150 ft. above ravine
	Land mountainous
	Soil rocky and gravely 4th rate
	Timber pine, scattering trees. –
	Dense underbrush
	Mountainous land 79.96 chs

Subdivision of T. 11 N. R. 2 E.

Chains	July 25. 1901
	July 26: by reason of former closings on W. bdy I run
	West bet. secs. 18 and 19 on true line
	Over mountainous land
	On steep broken N. slope in dense undergrowth to
32.00	Top of spur runs N.W.
	Begin abrupt descent
40.00	Set a limestone 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
51.90	Bottom of gulch 380 ft. below spur, course N. 60° W.
	Begin abrupt ascent to
74.32	Intersect W. bdy. of Tp. 17.00 chs. S. of cor. of secs. 13-18-19 and 24 as heretofore described, and from which I remove all markings relating to secs. 18 and 19. Thence
	I set a limestone 18 x 9 x 3 in. 12 in. in the ground for closing cor. of secs. 18 and 19 marked C.C. on E. with 3 grooves on N. and S. faces: raised a mound of stones 2 ft. base 1½ ft. high E. of cor. Pits impracticable
	This cor. stands 225 ft. above bottom of gulch
	Land mountainous
	Soil rocky and gravelly 4th rate
	No timber — Dense rank underbrush
	Mountainous land 74.32 chs. —
	From the cor. of secs. 17-18-19 and 20 I run N. 0° 4' W. bet. secs. 17 and 18
	Over mountainous land
	Descending abruptly on rocky slope
40.00	Set a limestone 18 x 9 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
43.12	Bottom of Providence Canon and stream 10 lks. wide course W. 1150 ft. below sec cor.
44.50	Wood road runs parallel with canon

Chains	
	Begin abrupt ascent on rocky slope
80,00	Set a limestone 16×9×6 in. 11 in. in the ground for cor. of secs. 7-8-17 and 18 marked with 4 notches on S. and 6 notches on E. edge: raised a mound of stones 2 ft. base 1½ ft. high W. of cor.
	Pits impracticable
	This cor. stands 1200 ft. above bottom of canon
	Land mountainous
	Soil barren rock mainly
	Timber a few pine and cedar trees scattering
	Dense undergrowth - on S side of canon
	Mountainous land 80,00 chs. —
	East on a random line bet. secs. 8 and 17
40,00	Set temp. 1/4 sec. cor.
80,00	Intersect N. and S. line 19 lks N. of cor of secs. 8-9-16 and 17
	Thence I run
	N 89° 52' W. on a true line bet. secs. 8 and 17
	Over mountainous land
	Ascending gradually on steep rocky S. slope
15,50	Top of spur runs S.W. 140 ft. above cor.
	Descend
32,00	Bottom of gulch 200 ft. deep course S. 30° W.
	Ascending
40,00	Set a limestone 18×7×6 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
54,00	Top of spur running S. 20° W. 250 ft. high
	Descending
71,25	Bottom of ravine 160 ft. deep course S.
	Ascending abruptly to
80,00	The cor. of secs. 7-8-17 and 18
	Land mountainous
	Soil rocky
	Timber, scattering pine and cedar trees
	Dense brush undergrowth on E ½ mile
	Mountainous land 80,00 chs.
	July 26: the sky being overcast during the morn hours I was unable to observe the sun

Subdivision of T 11 N R 2 E

Chains	on the meridian
	July 26 at 4h 12m p.m. I set off 41°41'42" N. on the lat. arc 19°28' N. on the decl arc and determine a true meridian with the solar at the cor. of secs. 7-8-17 and 18. thence by reason of previous closings on W. bdy of Tp, I run
	West bet. secs. 7 and 18 on true line
	Over mountainous land
	Ascending gradually on steep rocky S. slope to
30.00	Top of spur runs S 20° W. 250 ft. above cor.
	Begin abrupt descent on broken slope
40.00	Set a limestone 18×9×5 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
74.58	Intersect W. bdy of Tp. 17.36 chs. S. 15 ℓ cor. of secs. 7-12-13 and 18 as heretofore described and from which I remove all markings pertaining to secs. 7 and 18; thence
	I set a limestone 16×9×5 ins 11 ins. in the ground for closing cor. of secs. 7 and 18 marked C.C. on E. 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 780 ft. below top of spur
	Land mountainous
	Soil rocky
	No timber
	Mountainous land 7458 chs.—
	July 26. 1901
	July 27: at 7h 14m a.m. I set off 41°41'42" N. on the lat. arc 19°20' N. 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 on rocky broken slope to

Chains	
40.00	Set a limestone 18 x 7 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
45.00	Top of spur running S.W. 900 ft. above sec. cor. Thence on W. slope at head of ravine to
70.80	Top of ridge bears E and W. 120 ft. above spur. Begin abrupt descent
80.00	Set a limestone 17 x 9 x 6 ins. 11 ins. in the ground for cor. of secs. 5-6-7 and 8 marked with 6 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 175 ft. below top of ridge. Land mountainous. Soil rocky. No timber. Mountainous land 80.00 chs.
	S 89° 52' E on a random line bet. secs. 5 and 8.
40.00	Set temp. 1/4 sec. cor.
80.14	Intersect N. and S. line 8 chs. S of cor. of secs. 4-5-8 and 9. Thence Trav. N. 89° 56' W. on a true line bet. secs. 5 and 8. Over mountainous land. Descending gradually on steep rocky N. slope to
40.07	Set a limestone 18 x 7 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. —
80.14	The cor. of secs. 5-6-7 and 8. This cor. stands 300 ft. below cor. of secs. 4-5-8 and 9. Land mountainous. Soil rocky. Timber a few pine trees scattering on E ½ mile. Mountainous land 80.14 chs. — July 27: at this cor. I set off 19° 16' N. on the decl. arc and at 12 h. 6 m. p.m. I not observe the

Subdivision of T. 11 N. R. 2 E.

chains	
	S. on the meridian the resulting lat is 41°42'30" N.
	By reason of former closings on W bdy of Tp. I run West bet. secs. 6 and 7 on true line Over mountainous land Descending on broken rocky N.W. slope to
40.00	Set a limestone 16×9×6 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.
	This cor. stands on top of spur running N 75° W and 290 ft. below sec. cor. Thence on S.W. slope descending to
75.04	Intersect W. bdy of Tp. 17.70 chs S. of cor. of secs. 1-6-7 and 12 as heretofore described and from which I remove all markings relating to secs. 6 and 7 thence I set a limestone 18×8×6 in. 12 in. in the ground for closing cor. of secs. 6 and 7 marked C.C. on E. with 6 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 750 ft. below the 1/4 sec. cor. Land mountainous Soil rocky and gravelly 4th rate No timber Mountainous land 75.04 chs.—
	From cor. of secs. 5-6-7 and 8 I run N 0° 4' W. on a random line bet. secs. 5 and 6
40.00	Set temp. 1/4 sec. cor.
88.20	Intersect N. bdy. of Tp. 14 chs. E. of cor. of secs. 5-6-31 and 32 as heretofore described Thence I run S. 0° 10' E. on a true line bet. secs. 5 and 6 Over mountainous land Ascending to
6.00	Top of ridge bears N.W. and S.E.

Subdivision of T. 11 N R 2 E

Chains	
	Begin abrupt descent on S.W. slope
35,25	Bottom of Dry Canon 750 ft. deep course N 60° W.
36,00	Wood road runs parallel with canon
	Begin abrupt ascent
48,20	Set a limestone 18 x 7 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
88,20	The cor. of secs. 5-6-7 and 8
	This cor. stands 1100 ft. above bottom of canon
	Land mountainous
	Soil rocky
	No timber
	Mountainous land 88,20 chs.—
	July 27, 1901

July 28 I return to the meridian established July 13 from Polaris;— At 7h 30m a.m. l.m.t. I set off 49°40' N on the lat. arc 19°6' N on the decl. arc and test the adjustments of my solar, finding it gives the same meridian as before and conclude the adjustments are satisfactory.—

July 28, 1901

General Description

This township is all mountainous land exceedingly rough and broken and composed of steep slopes and sharp ridges and canons.— The soil is rocky but in places fertile and where not covered by impenetrable brush produces native grasses and weeds which afford good summer grazing.—

Not one acre of the township is suitable for cultivation.—

There are a few patches of good pine timber scattered throughout the township and much firewood.—

There are no mines nor quarries nor did I find any croping nor indications of mineral of any kind.—

Subdivision of T. 11 N. R. 2 E.

The township is well watered for grazing purposes but the northwestern part is so rough as to be valuable area for grazing.—
There are no settlers nor improvements within the township.—
The eastern half of this township has a heavy rainfall and a high elevation and the timber which has been largely destroyed should be protected for storage purposes having far more value for that purpose than for any other.—

Andrew P. Hanson
U.S. Dep. Surveyor

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FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by 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 survey of Subdivision lines of Tp. 11 N. R. 3 E. – Tp. 10 N. R. 3 E. and Tp. 11 N. R. 2 E. showing the respective capacities in which they acted:

W. W. Barton, Chainman.
B. M. Heston, Chainman.
W. W. Barton, Moundman.
Harold Hobbs, Moundman.
M. B. Heston, Axman.
R. S. Sanborn, Axman.
Harold Hobbs, Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted Andrew P. Hansen, United States Deputy Surveyor, in surveying all those parts or portions of the Subdivision lines of Tp. 11 N. R. 3 E. – Tp. 10 N. R. 3 E. and Tp. 11 N. 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.

W. W. Barton, Chainman.
M. B. Heston, Chainman.
W. W. Barton, Moundman.
Harold Hobbs, Moundman.
M. B. Heston, Axman.
R. S. Sanborn, Axman.
Harold Hobbs, Flagman.

Subscribed and sworn to before me this 29th day of July, 1901, ~~189~~

Sam Raney
Notary Public

SEAL

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FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, Andrew P. Hansen, United States Deputy Surveyor, solemnly swear that, in pursuance of a contract received from Jacob B. Blair United States Surveyor General for Utah, bearing date of the 30th day of November, 1899, I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for Utah, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of ~~West, North, and South boundaries~~ and Subdivision lines of Tp. 11 N. R. 3 E. ~~West bdy. and~~ Subdivision lines of Tp. 10 N. R. 3 E. and ~~North, West, and South boundaries and~~ Subdivision lines of Tp. 11 N. R. 2 E. of the Salt Lake Base and in lieu of meridian, in the State of Utah, which are represented in the foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for Utah and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey; and should any fraud be detected, I will suffer the penalty of perjury under the provisions of an Act of Congress approved August 8, 1846.

Andrew P. Hansen
United States Deputy Surveyor.

Subscribed by said Andrew P. Hansen, and sworn to before me this 9th day of January 1902

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

SEAL

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, August 27, 1902 189

The foregoing field notes of the survey of the Subdivisions of Township 11 North Range 2 East of the Salt Lake Base and Meridian, Utah

executed by Andrew P. Hansen under his contract No. 234, dated November 30, 1899, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Edward H. Anderson
United States Surveyor General.

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

United States Surveyor General.

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A.

BOOK A-280

FIELD NOTES

OF THE re SURVEY OF THE

Colorado Guide Meridian

through

Township Nos 33 & 34 South.

between

Ranges Nos 23 & 24 East

Of the Salt Lake Case and Meridian,

In the State of Utah

AS SURVEYED BY

Hubert D. Page U.S. Deputy Surveyor Compassman for James M. Sanby, United States Deputy Surveyor,

Under his Contract No. 738, dated March 14th, 1900

Survey commenced December 14th, 1900

Survey completed December 17th, 1900

Rus—	33.5 high	4.61.70		✓	
	low		1-18.31	✓	6.00.00
	34.5 high	4.65.40		✓	
	low		1-14.60	✓	6.00.00
		9.47.10	2.32.90	✓	

BOOK A-280

NAMES AND DUTIES OF ASSISTANTS.

Newark S. Dawson	Chainman
John E. Rogerson	"
Harvey D. Heist	"
John Baker	"
Heber Christensen	Moundman
Julius Hovinghoff	Adman
Orson Allred	Flagman

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BOOK A-280

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Meanders Page.....

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BOOK A-280

PRELIMINARY OATHS OF ASSISTANTS.

WE, Newark S. Dawson, John E. Rogerson, Harvey D. Heist and John Baker 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 Colorado Guide Meridian through Tps 33 and 34 S. bet. ranges 23 and 24 E. of the Salt Lake Base Meridian State of Utah.

Newark S. Dawson
Harvey D. Heist

John E. Rogerson, Chainman.
John Baker, Chainman.

Subscribed and sworn to before me this 14th day of December, 1900

Hubert D. Page
U.S. Deputy Survey

SEAL

WE, I Heber Christensen 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 Colorado Guide Meridian through T. 33 and 34 S. bet. Rs. 23 and 24 E. of the Salt Lake Base and Meridian in the State of Utah.

Heber C. Christensen, Moundman.
, Moundman.

Subscribed and sworn to before me this 14th day of December, 1900

Hubert D. Page
U.S. Deputy Surveyor

SEAL

WE, I Julius Hovinghoff and do solemnly swear that we will well and truly perform the duties of axman in the establishment of corners and other duties, according to instructions given me, to the best of my skill and ability, in the re survey of Colorado Guide Meridian through Tps 33 and 34 S. bet. Rs. 23 and 24 E. of the Salt Lake Base and Meridian in the State of Utah.

Julius Hovinghoff, Axman.
, Axman.

Subscribed and sworn to before me this 14th day of December, 1900

Hubert D. Page
U.S. Deputy Surveyor.

SEAL

I, Orson Allred, 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 Colorado Guide Meridian through T. 33 and 34 S. bet. Rs. 23 and 24 E. of the Salt Lake Base and Meridian in the state of Utah.

Orson Allred, Flagman.

Subscribed and sworn to before me this 14th day of December, 1900

Hubert D. Page
U.S. Deputy Surveyor

SEAL

6—151

Resurvey of the
...ado Guide Meridian through T. 33 S. bet Rs. 23 and 24 E.

Survey commenced
Dec. 14th 1900.
And executed with a W. and L. E. Gurley light mountain transit No. - with solar attachment the horizontal limb is provided with two double verniers placed opposite to each other, reading to single minutes of arc, which is also the least count of the verniers of the latitude and declination arcs.

The instrument was examined tested on the true meridian at Salt Lake City, found correct and was approved by the Surveyor General of Utah. June 16th 1900.

I examined the adjustments of the instrument, and found them correct, then to test the solar apparatus, by comparing its indications made during a.m. and p.m. hours, with a true meridian determined by observation on Polaris.

I proceed as follows:
At the cor. of T. 33 and 34 S., Rs. 23 and 24 E. Lat. 37°53'51" N. Lon. 109°22'35" W. which is a sand stone 18×16×8 ins. laying loose on the ground. marked as described by the Surveyor General.

I set off 37°54' N. on lat. arc. 23°10' S. on decl. arc; and at 4 p.m., l.m.t., determine with the solar a true meridian, and mark the point

Colorado Guide Meridian
through T. 33 S., between Rs. 23 and 24 E. continued

thereof on a stone firmly set in the ground 5 chs. N. of the Cor.

At 4h 52m p.m. I observe polaris at lower Culmination in accordance with the manual of instructions the true meridian thus determined falls 0.4 ins. east of the mark determined by the solar. Dec. 14th 1900.

Dec. 15th 1900 at 8 a.m. l.m.t., I set off 37°54' N. on lat. arc; 23°12'½" S. on decl. arc; the true meridian determined with the solar falls 0.4 ins. east of the true meridian established by Polaris observation.

The solar apparatus, by p.m. and a.m. observations, defines positions for true meridian respectively about 0'21" west and 0'21" east of the meridian established by Polaris observation; therefore, I conclude that the adjustments of the instrument are satisfactory.

The magnetic bearing of the true meridian at 8h30m is N. 15°05' W.; the angle thus determined, reduced by the table, page 100, gives the mean mag. decl. 15°03' E.

Preliminary to commencing the subdivisions of this township I run north on blank line bet. secs 31 and 36.

40.00 chs. after dilligent search no trace of 1/4 sec. cor. can be found.

80.00 chs. after dilligent search no trace of old cor. to secs. 25, 30, 31 and 36 can be found; therefore, I continue

Colorado Guide Meridian
through T. 33 S., between Rs. 23 and 24 E. continued

my line north, find no part of the Colorado Guide Meridian in alignment, or measurement, and that many of the corners are obliterated.

At 5 miles 80.70 chs., intersect E. and W. line 1.80 chs. West of cor. of Ts. 32 and 33 S., Rs. 23 and 24 E. which is a sandstone 16x11x8 ins. above ground, firmly set and marked as described by the Surveyor General.

From this cor. I continue my retracement north at 39.97 chs I find the 1/4 sec. cor. 5 lks. E. which is a sandstone 12x14x3 ins. above ground, firmly set, I mark C.36 on W. and 31 on the E. faces, and raised a mound of stone, 2 ft base, 1 1/2 ft. high W. of Cor.

Pits impracticable.

and at 80.15 chs. 10 lks. E. I find the cor. of secs. 25, 30, 31 and 36. which is a cedar post, well set and marked as described by the Surveyor General.

Tps. 33 and 34 S.

having not been subdivided, I resurvey the range line between them as follows:

December 16th 1900 At the cor. of Ts. 32 and 33 S. Rs. 23 and 24 E.

Lat. 37°59'04" N. Long. 109°22'35" W.

Already described. At 8 a.m. l.m.t. I set off 37°59' N. on lat. arc: 23°51½' S on decl. arc: and determine

a true meridian with the solar.
Thence I run
South bet. secs. 1 and 6.
Ascending over rolling land, through dense
artemisia
No difference bet. measurements of 40.00 chs.
by two sets of chain men.
40.00 Set a sand stone 14x8x8 ins. 8 ins. in the
ground, for re-established 1/4 sec. cor. marked 1/4
S. 1 on W. 6 on E. faces, from which a cedar
6 ins. in diam. bears S. 80° W. 1.30 chs. dist.
Marked 1/4 S. 1. B.T. No other trees within
limits, raise a mound of stone 2 ft.
base, 1½ ft. high W. of cor. Pits impracticable
40.30 I find old 1/4 sec. cor. W. 30 lks.
which is an oak stake partially de-
cayed, I destroy all trace of same.
41.00 Ridge bears E. and W. descend.
No difference bet. measurements of 80.00 chs.
by two sets of chain-men.
80.00 Set a sand stone 12x10x6 ins. 8 ins.
in the ground, for re-established cor. of
secs. 1, 6, 7 and 12. marked with 1 notch
on the N. and 5 notches on the S. edge.
raised a mound of stone 2 ft. base, 1½ ft.
high W. of cor.
Pits impracticable
I find old sec. cor. which is a sand
stone 12x10x8 ins. lying loose on
the ground, marked as described by
the Surveyor General
S. 29° 00' E. 96 lks. dist.
I destroy all trace of same.
Land rolling
soil sandy loam. 1st rate
No timber
Dense undergrowth
80.00 chs.

Resurvey of the
Grado Guide Meridian through Tp. 33 S. 1st Rs. 23 and 24 E. Continued.

South bet. secs. 7 and 12.
Over rolling land dense sage brush
31.80 Dry run 6 ft. deep, 8 ft. wide
drains E.
Difference between measurements of
40.00 chs., by two sets of chainmen,
is 10 lks.; position of middle point
By 1st set 39.95 chs.
By 2nd set 40.05 chs.; the mean of
which is
40.00 set a cedar post 3 ft. long 3 ins. sq.,
with marked stone, 24 ins. in the
ground, for 1/4 sec. cor.; marked 1/4 S 12
on W. and 7 on E. faces.
dig pits 18 x 18 x 12 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.
From this point the old 1/4 sec. cor.
a decayed cedar post. bears S 45° E
1.05 chs dist. I destroy the same.
50.00 Stake and rider fence bears E. and
W.
68.25 Dry run, Drains N.E.
75.50 point of heavy pinon and Cedar
timber bears S.E.
Difference between measurement
of 80.00 chs.; by two sets of chain-
men is 16 lks.; position of middle
point, By 1st set 79.92 chs.
By 2nd set 80.08 chs.; the
mean of which is.
80.00 Set a sandstone 14 x 12 x 4 ins. 10 ins.
in the ground for cor. of secs. 7,
12, 13 and 18. Marked with 4 notches on
N., and 4 notches on S. edges.
from which
A pinon 8" ins. in diam
bears S. 50° E. 24 lks dist. Marked

Guide Meridian through T. 33 S. between Rs. 23 and 24 E. continued

chains.	
	T. 33 S., R. 24 E., S. 18. B.T. No other trees within limits, raised a mound of stone 3 ft. base, 1½ ft. high N. of Cor. Pits impracticable.
	The old cor. which is a sand stone 8 x 8 x 4 ins above ground finly set, and marked and witnessed as described by the Surveyor General bears S. 34° E. 85 lks dist.
	I destroy this stone, and marks on old bearing trees.
	Land, rolling.
	Soil, sandy loam and clay 1st rate.
	No timber.
	Dense undergrowth 80.00 chs.
	South bet. secs. 13 and 18.
	Over rolling land, dense artimesia
7.50	enter heavy timber pinon and cedar, bears N. E. and S. 5° W.
10.00	Top of ridge bears E. and W.
17.00	Leave timber N. W. and S. E.
34.50	enter timber N. E. and S. W.
	Difference between measurements of 40.00 chs, by two sets of chainmen, is 8 lks: position of middle point
	By 1st set 40.04 chs.
	By 2nd set 39.96 chs. the mean of which is
40.00	set a sand stone 14 x 10 x 4 ins. 10 ins in the ground. for 1/4 sec. cor. Marked 1/4 S. 13 on W. and 18 on E. faces.
	from which.
	a. Cedar 10 ins. in diam. bears S. 65° W. 65 lks. marked 1/4 S. 13 B.T.
	a pinion 8 ins. in diam. bears N. 30° E. 43 lks. dist. marked 1/4 S. 18 B.T.

Chains	
	The old 1/4 sec. cor. which is a sandstone 10x12x9 ins. above ground firmly set. marked and witnessed as described by the Surveyor General bears S 40° W 36 lks.
	I destroy this stone and marks on old bearing trees.
58.00	Leave timber bears N. W. and S. E.
76.90	Wood road bears E. and W.
79.15	Dry wash 15 ft. deep 20 ft. wide Drains S. E. ascend
	Difference between measurements of 80.00 chs. by two sets of chainmen 14 lks. position of middle point.
	By 1st set 80.07 chs.
	By 2nd set 79.93 chs. the mean of which is.
80.00	set a sandstone 12x8x6 ins. 9 ins. in the ground for reestablished cor. of secs. 13, 18, 19 and 24. marked with 3 notches on the N. and S. edges. raised a mound of stone 2 ft. base, 1½ ft. high W. of cor.
	Pits impracticable.
	After diligent search no trace of old sec. cor. can be found.
	Land, rolling
	Soil, loam and clay. 1st and 2nd rate.
	Timber, Cedar and pinion
	Dense undergrowth and heavily timbered 80.00 chs.
	South bet. secs. 19 and 24.
	Ascending over rolling land dense artemisia
3.50	Enter dense pinon and cedar timber bears E. and W.

Chains	
6.00	Leave dense timber. Scattering pinon and cedar. Difference between measurement of 40.00 chs. by two set of chainmen is 8 lks.; position of middle point By 1st set 40.04 chs. By 2nd set 39.96 chs.; the mean of which is
40.00	set a sand stone 16x10x6 ins. 11 ins. in the ground for reestablished 1/4 sec. cor. marked 1/4 S. 24 on N. 19 on the E. faces. raised a mound of stone 2 ft. base 1½ ft. high N. of cor. Pits impracticable. After diligent search no trace of old 1/4 sec. cor. can be found.
74.50	Top of ridge, bears E. and N. descend. Leave timber, bears E. and N. Difference between measurement of 80.00 chs. by two set of chainmen is 18 lks.; position of middle point. By 1st set 80.09 chs. By 2nd set 79.91 chs.; the mean of which is.
80.00	set a sand stone 15x6x6 ins. 10 ins. in the ground for reestablished cor. of secs. 19, 24, 25 and 30. marked with 4 notches on the N. and 2 notches on the S. edges. raised a mound of stone 2 ft. base, 1½ ft. high, N. of cor. Pits impracticable. The old sec. cor. which is a sandstone 12x12x6 ins. lying loose on the ground. bears S. 69° 30' W. 7.12 chs. dist. bearing trees have been destroyed. I obliterate all trace of old cor.

Chains.	
	Land, rolling. Soil, stony loam and clay 1st and 4th rate. Timber, cedar and pinon. Heavily timbered and dense undergrowth 80.00 chs. Dec. 16th At this cor. I set off 23°18½' S. on decl. arc; and at 11h 56m a. m., L. m. t., observe the sun on the meridian: the resulting azt. is 37°56' W
	South bet. secs. 25 and 30. Descending through dense artemisia
7.50	Bush fence, bears E. and W.
5.70	Leave dense undergrowth, enter cultivated field bears E. and W.
9.50	Dry run, and bottom of ravine 100 ft deep, drains E. ascend. Difference between measurements of 46.00 chs.; by two set of chainmen is 1 lks. position of middle point, By 1st set 110.02 chs. By 2nd set 39.98 chs. the mean of which is.
40.00	Set a sandstone 16 x 8 x 6 ins. 11 ins. in the ground for reestablished 1/4 sec. cor., marked 1/4 S. 25 on W. and 30 on E. faces. Raised a mound of stone 2 ft. base 1½ ft high. W. of cor. Pits impracticable. After diligent search no trace of the old 1/4 sec. cor. can be found.
78.50	Corral fence bears E. and W.
79.50	C. E. Walton's log stable 16 ft by 40 ft.

Colorado Guide Meridian

through T. 33 S., between Rs. 23 and 24 E., continued

Chains	
80.00	falls on barn, cannot set cor. at this point, therefore set a witness cor.
	Difference between measurements of 80.15 chs. by two sets of chainmen is 8 lks.: position of middle point
	By 1st set. 80.11 chs.
	By 2nd set. 80.19 chs. the mean of which is.
80.15	set a sand stone 24x17x8 ins. 18 ins. in a mound of stone and earth for reestablished witness to secs. 25, 30, 31 and 36.
5.70 / 4.30	Marked with W.C. on N.E. face with 5 notches on the N. and 1 notch on the S. edges.
	raised a mound of stone 7 ft. base, 1½ ft. high W. of Cor.
	Pits impracticable.
	After diligent search no trace of the old sec. cor. can be found.
	Land, rolling,
	Soil, loam and clay, 1st and 2nd rate.
	No timber
	dense undergrowth 5.70 chs.
	From the true point for cor. to secs. 25, 30, 31 and 36
	Run south bet. secs. 31 and 36.
	over rolling land,
0.80	Wagon road to fields
	bears E. and W.
1.00	Fence, (poles) bears E. and W.
	enter cultivated field.
11.75	Pole fence, bears E. and W.
23.75	Wire fence, bears E. and W.; leave field.
24.00	Road to Colorado bears E. and W.
	Enter dense sage and oak brush.

Colorado Guide Meridian

through T. 33 S., between Rs. 23 and 24 E. continued.

Chains	
27.00	Grist mill
	bears West 2.50 chs.
30.25	Ravine 75 ft. deep. drains S.E.
	Difference between measurements of 40.00 chs. by two sets of chain men is 6 lks.; position of middle point is
	By 1st set 40.03 chs.
	By 2nd set 39.97 chs.; the mean of which is
40.00	On north side of Cañon
	Set a sand stone 14 x 9 x 8 ins. 10 ins in the ground. for re-established 1/4 sec. cor. marked 1/4 S. 36 on W. and 31 on E. faces.
	raised a mound of stone 2 ft. base, 1 1/2 ft. high W. of Cor.
	Pits impracticable
	After diligent search no trace of old 1/4 sec. cor. can be found.
52.00	North fork of Montezuma Creek 10 lks wide 4 in deep.
	and bottom of Cañon 200 ft. deep
	Course E. ascend.
63.25	Wagon road, monticello to Verdure
	Bears N.W. and S.E.
	Difference between measurements of 80.00 chs. by two sets of chain-men is two lks. position of middle point
	By 1st set 80.01 chs
	By 2nd set 79.99 chs.; the mean of which is
80.00	Set a sand stone 24 x 12 x 6 ins. 18 ins. in mound of stone and Earth.
	for reestablished Cor. of
56/24	T. 33 and 34 S., R. 23 and 24 E.
	marked 33 S. on N.E., 24 E on S.E., 34 S. on S.W., 23 E. on N.W. faces,

Colorado Guide Meridian
through T. 33 S., between Rs. 23 and 24 E. concluded.

Chains	
	with 6 notches on each edge. raised a mound of stone 7 ft. base 1½ ft high S. of Cor. Pits impracticable. The old Cor. which is a sand stone 18 x 16 x 8 ins. laying loose on the ground, bears S. 68 45 W. 1.93 chs. dist. I destroy all trace of same. Land rolling and broken. Soil, loam and stony, 1st and 4th rate. No timber. Dense undergrowth, 5.60 chs.
	December 16th 1900.
	For general description see subdivisions. Tp. 33 S., Rs. 23 and 24 E.
	Hubert D. Page U.S. Deputy Surveyor, Compass man for. James M. Lentz, U.S. Deputy Surveyor.

Colorado Guide Meridian

ough T. 34 S., between Rs. 23 and 24 E. ast

chains	
	Dec. 17th 1900.
	At 8h 0m a.m. l. m.t. I set off 23°18' S on decl. arc; 37°54' N. on lat. arc; and determine a true meridian with the solar, at the cor. of T. 33 and 34 S., Rs. 23 and 24 E.
	Thence I run.
	South between secs. 1 and 6.
	over rolling land scattering oak brush
7.00	Wagon Road, Monticello to Verdure, bears N. 20° E. and S. 20° W.
37.00	Bottom of Ravine 75 ft. deep drains N. 10° E.
	Difference between measurements of 40.00 chs. by two sets of chainmen is 5 lks. position of middle point
	By 1st set 40.02½ chs.
	By 2nd set 39.97½ chs. the mean of which is.
40.00	Set a sandstone 15×10×6 ins. 10 ins. in the ground, for reëstablished 1/4 sec. cor., marked 1/4 S 1 on W. and 6 on E. faces.
	Raised a mound of stone 2 ft. base, 1½ ft. high. W. of Cor.
	Pits impracticable.
	After diligent search no trace of old 1/4 sec. cor. can be found.
79.60	Bottom of ravine 60 ft. deep drains N. E.
	Difference between measurements of 80.00 chs. by two set of chain-men is 12 lks. position of middle point
	By 1st set 80.06 chs.
	By 2nd set 79.94 chs. the mean of which is
80.00	Set a sandstone 13×12×8 ins. 9 ins. in the ground, for reëstablished cor. to secs. 1, 6, 7 and 12. marked with 1 notch

Chains	
	on the N. and 5 notches on the S. edges. Raised a mound of stone 2 ft. base, 1½ ft. high N. of Cor. Pits impracticable. After diligent search no trace of old sec. cor. can be found. Land rolling. Soil loam and clay 1st and 2nd rate. No timber.
	South bet. secs. 7 and 12. over rolling land. dense page and oak brush.
30.00	Bottom of ravine 75 ft. deep. drains N. E.
	Difference between measurement of 40.00 chs. by two sets of chainmen is 6 lks. position of middle point. By 1st set 40.03 chs. By 2nd set 39.97 chs. the mean of which is
40.00	Set a sand stone 12 x 12 x 3 ins. 9 ins. in the ground. for reestablished 1/4 sec. Cor. Marked 1/4 S. 12 on N. and 7 on E. faces. raised a mound of stone 2 ft. base, 1½ ft. high N. of Cor. Pits impracticable. The old 1/4 sec cor. which is a sand stone 11 x 9 x 7 ins. lies loose on the ground. bears S 80° W 1.50 dist. I destroy all trace of same.
70.00	Ravine 60 ft. deep drains E.
	Difference between measurements of 80.00 chs. by two sets of chainmen is 12 lks. position of middle point

Colorado Guide Meridian

through T. 34 S., between Rs. 23 and 24 E. continued.

Chains	
	By 1st set 80.06 chs.
	By 2nd set 79.94 chs. the mean of which is
80.00	Set a sand stone 25x15x10 ins. in a mound of stone. for restablished cor. to secs 7, 12, 13 & 18. marked with 2 notches on N. and 4 notches on South edges. Raised a mound of stone 2 ft. base, 1½ ft. high W. of Cor. Pits impracticable. The old cor. which is a partially decayed post lying close on the ground. bears S 3°20' W. 1.75 chs. dist. I destroy all trace of same. Land, rolling Soil, loam, 1st rate. No timber. Dense undergrowth, 80.00 chs.
	South bet. secs. 13 & 18. Over rolling land, dense artemisia and oak brush. Difference between measurement of 40.00 chs. by two sets of chain men is 6 lks. position of middle point. By 1st set 39.97 chs. By 2nd set 40.03 chs. the mean of which is
40.00	Set a sand stone 12x8x6 ins. 9 ins. in the ground. for restablished 1/4 sec. cor. marked 1/4 S. 13 on W. 18 on E. faces. Raised a mound of stone 2 ft. base, 1½ ft. high W. of Cor. Pits impracticable.

Colorado Sixth Meridian

through T. 34 S., between Rs. 23 and 24 E. contin

Chains	
	A mound of stone with no marked rock bears S. 3.90 chs dist. I destroyed same.
60.00	Bottom of ravine 70 ft deep. drains E.
	Difference between measurement of 80.00 chs. by two sets of chain men is 10 lks. position of middle point
	By 1st set 80.05 chs.
	By 2nd set 79.95 chs. the mean of which is.
80.00	Set a sand stone 14 x 6 x 6 ins. 10 ins. in the ground, for reestablished cor. to secs. 13, 18, 19 and 24. Marked with 3 notches on the N. and S. edges raised a mound of stone 2 ft. base 1½ ft high W. of cor. Pits impracticable. After diligent search no trace of old cor. could be found.
	Land, rolling.
	Soil, loam 1st and 2nd rate
	No timber.
	Dense under growth 80.00 chs.
	Dec. 17th 1900
	At this cor. I set off 23°21' S. on decl. arc; and at 11h 56m a.m., l.m.t., observe the sun on the meridian; the resulting lat. is 37°51' N
	South bet secs. 19 and 24
	Over rolling land, dense artemisia and oak brush.
10.00	Enter dead and fallen cedar and pin on timber.

Colorado Guide Meridian

ought T. 34 S., between Rs. 23 and 24 E. continued

Chains	
24.50	Bottom of Ravine 100 ft deep. drains S.E.
	Difference between measurements of 40.00 chs. by two sets of chainmen is 8 lks. position of middle point,
	By 1st set 40.04 chs.
	By 2nd set 39.96 chs. the mean of which is
40.00	Set a sandstone 30 x 24 x 6 ins. in mound of rock. for pestablished 1/4 sec. Cor. Marked 1/4 S. 24 on W. and 19 on E. faces
	raised a mound of stone 2 ft. base, 1 1/2 ft. high W. of Cor.
	Pits impracticable.
	After diligent search no trace of old 1/4 sec Cor. can be found.
44.00	Top of ridge bears N. W. and S. E. descend
48.00	Entered Cedar and pine on timber bears E. and W.
50.00	Leave timber, bears E. & W.
	Difference between measurements of 80.00 chs. by two sets of chainmen is 12 lks. position of middle point.
	By 1st set 80.06 chs.
	By 2nd set 79.96 chs. the mean of which is
80.00	Set a sandstone 56 x 30 x 4 ins. in mound of stone, for pestablished Cor. of secs. 19, 24, 25 and 30. Marked with 2 notches on the S. and 4 notches on the N. edges
	raised a mound of stone 2 ft. base, 1 1/2 ft. high W. of Cor.
	Pits impracticable.

Colorado Guide Meridian

through T. 34 S., between Rs. 23 and 24 E. Continued

Chains	
	The old cor. which is a sandstone 36x24x4 ins. laying loose on the ground. bears S. 31° E. 3.95 chs.
	Destroy all trace of old cor.
	Land, rolling
	Soil, loam, 1st and 2nd rate.
	Timber, Cedar and Pinon
	Heavy timber and dense
	Undergrowth, 80.00 chs.
	South bet. secs. 25 and 30.
	Ascending through dense artemisia and oak
8.00	Enter scattering cedar and dead timber bears N. W. and S. E.
20.00	Top of ridge, bears N. W. and S. E. discend
39.00	Enter heavy timber Cedar and pinon
	Difference between measurements of 40.00 chs. by two sets of chainmen is 8 lks. position of middle point.
	By 1st set. 40.04 chs.
	By 2nd set 39.96 chs. the mean of which is.
40.00	set a sandstone 20x18x8 ins. in a mound of stone for reestablished 1/4 sec. cor.
	marked 1/4 S. 25 on W. 30 on E. faces
	From which a Pinon tree 5 ins. in diam. bears N. 5° W. 30 lks. marked 1/4 S. 25 B.T.
	A Pinon 8 ins. in diam. bears S. 80° E. 17 lks. dist. marked 1/4 S 30 B.T.
	After diligent search no trace of old 1/4 sec. cor. can be found

Colorado Guide Meridian
through T. 34 S., between Rs. 23 and 24 E. continued.

Chains	
4800	Ravine 100 ft. deep, drains S.E.
5725	Ravine 50 ft. deep, drains S.E.
6365	Top of sandstone ledges 80 ft. high trav. E. and W. — leave timber
7340	Enter cultivated ground bears E. and W.
7900	South fork of Montezuma Creek dry, and bottom of cañon 250 ft. deep drains E. ascend.
	Difference between measurement of 8000 chs. by two sets of chain-men is 14 lks.
	Position of middle point
	By 1st set 80.07 chs.
	By 2nd set 79.93 chs. the mean of which is
8000	set a sandstone 18 x 14 x 8 ins. 12 ins. in the ground, for re-established cor. of secs. 25, 30, 31 and 36.
7340 / 6.60	Marked with 5 notches on the N. and 1 notch on the S. edges.
	raised a mound of stone 2 ft. base, 1½ ft. high N. of cor.
	Pits impracticable
	After diligent search no trace of the old sec. cor. can be found.
	Land, broken.
	Soil, loam and stone, 1st and 2nd rate,
	Timber, heavy Cedar and Pinon heavy timber and dense under-growth, 73.40 chs

South bet. secs. 31 and 36.
Ascending over cultivated ground
8.00 Leave cultivated ground, enter

Colorado Guide Meridian

through T. 34 S., between Rs. 23 and 24 E. Continued

Chains	
	dense oak brush and scattering cedars bears E. and W.
18.00	Ravine 30 ft. deep drains E.
	Enter dense artemisia
25.40	wire fence, bears E. and W.
	Difference between measurements of 40.00 chs. by two sets of chain-men is 6 lks. position of middle point
	By 1st set 39.97 chs.
	By 2nd set 40.03 chs. The mean of which is
40.00	set a sandstone 18 x 12 x 4 ins. 12 ins. in the ground for reestablished 1/4 sec. cor. marked 1/4 S 36 on W. 31 on E. faces
	raised a mound of stone 2 ft. base, 1½ ft high W. of cor.
	Pits impracticable
	after diligent search no trace of old 1/4 sec. cor. can be found.
	Difference between measurements of 80.00 chs. by two sets of chain-men is 10 lks. position of middle point
	By 1st set 79.95 chs.
	By 2nd set 80.05 chs. The mean of which is
80.00	set a sandstone 15 x 12 x 4 ins. 10 ins in the ground for reestablished Cor. to
	T. 34 and 35 S., Rs. 23 and 24 E.
2/8	Marked 34 S on N.E., 24 E on S.E., 35 S. on S.W., 23 E. on N.W. faces
	with 6 notches on each edge.
	raised a mound of stone 2 ft. base, 1½ ft. high S. of cor.
	Pits impracticable.

Colorado Guide Meridian
through T. 34 S., between R. 23 & 24 E., concluded.

Chains	
	After diligent search no trace of old sec. cor. can be found.
	Land rolling.
	Soil, loam & stony. 1st & 3rd qts.
	No timber.
	Dense undergrowth. 7200 chs.
	December 17th 1900.
	For general discription see subdivisions of Tp 34 S R 23 E.
	Hubert D. Page, U.S. Deputy Surveyor, Compass man, for James W. Lentz, U.S. Deputy Surveyor.
	There being no notary public or other officer authorized to administer oaths within reasonable distance at the beginning or ending of the survey, in order to save time and expense, I administer the preliminary and final oaths myself.
	Hubert D. Page, U.S. Deputy Surveyor

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FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by Hubert D. Page, U.S. Deputy Surveyor, Compassman James M. Lentz, United States Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the survey of the Colorado Guide Meridian from Tps. 33 and 34 S., Rs. 23 and 24 E., of the Salt Lake Base and Meridian, State of Utah, showing the respective capacities in which they acted:

Newark S. Dawson and John E. Rogerson, Chainman.
Harvey D. Hirst and John Baker, Chainman.
Hebert Christensen, Moundman.
, Moundman.
Julius Hovinghoff, Axman.
Orson Allred, Flagman ~~Axman~~.
, Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted Hubert D. Page, U.S. Deputy Surveyor Compassman for James M. Lentz, United States Deputy Surveyor, in surveying all those parts or portions of the Colorado Guide Meridian through Tps. 33 and 34 South between Rs. 23 and 24 E.

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

Newark S. Dawson — J. E. Rogerson, Chainman.
Harvey D. Hirst — John Baker, Chainman.
Heber Christensen, Moundman.
, Moundman.
Julius Hovinghoff, Axman.
, Axman.
Orson Allred, Flagman.

Subscribed and sworn to before me this 17th day of January, 1901.

SEAL

Hubert D. Page
U.S. Deputy Surveyor.

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FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, Herbert E. Page, Chief Deputy Surveyor for James M. Lentz, United States Deputy Surveyor, solemnly swear that, in pursuance of a contract received from Jacob B. Blair, United States Surveyor General for The District of Utah, bearing date of the 14th day of March 1902, 189 , I have well, faithfully, and truly, in my proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for The District of Utah, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of The Colorado Grand Meridian Through Tp. 33 & 34 S. Between Rs. 23 & 24 E.

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 District of Utah, and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey; and should any fraud be detected, I will suffer the penalty of perjury under the provisions of an Act of Congress approved August 8, 1846.

Herbert E. Page, U.S. Deputy Surveyor Compassman for James M. Lentz,
(United States Deputy Surveyor)

Subscribed by said Herbert E. Page, and sworn to before me this 25th day of May 1901, 189

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

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL.

Salt Lake City, Utah, June 14 1902, 189

The foregoing field notes of the survey of The Colorado Grand Meridian Through Tp. 33 & 34 S. Between Rs. 23 & 24 E. of the Salt Lake Base and Meridian, Utah

executed by Herbert E. Page, Chief Deputy Surveyor Compassman for James M. Lentz, U.S. Deputy Surveyor under his contract No. 231, dated March 14, 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.

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BOOK A-280

FIELD NOTES

OF THE re SURVEY OF THE

South,

East and

North boundaries

of

Township No. 33 South

Range No. 24 East.

Of the Salt Lake Base and Meridian,

In the State of Utah.

AS SURVEYED BY

Hubert D Page U.S. Deputy Surveyor Compassman

James M. Lentz, United States Deputy Surveyor,

Under his Contract No. 238, dated March 14th, 1900. 189

Survey commenced December 18th, 1900

Survey completed December 20th, 1900.

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			m. chs. lks.
Resurvey S	Pkg	high	5-78-88 ✓
" E	"	"	4-41-00 ✓
" do	"	low	1-39-00 ✓
" N	"	high	5-78-35 ✓

6.0000

NAMES AND DUTIES OF ASSISTANTS.

John Baker,	Chainman
Harvey D. Hirst	"
Hebel Christensen	Mound man
Julius Hovinghoff	axe man
George Dalton	Flag man.

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Volume
#
R0280

BOOK A-280

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Meanders Page.....

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PRELIMINARY OATHS OF ASSISTANTS.

WE, John Baker and Harvey D. First

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 South, E. & N. bdys. of T. 33 S. R. 24 E. & the S., W. & N. bdys. of T. 33 S. R. 23 E. of the Salt Lake Base & Meridian in the state of Utah.

John Baker, Chainman.

Harvey D. First, Chainman.

Subscribed and sworn to before me this 14th day of December, 1900

Hubert D. Page
U.S. Deputy Surveyor

SEAL

WE, I. Heber Christensen 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 the South, E. & N. bdys. of T. 33 S. R. 24 E. & the S., W. & N. bdys. of T. 33 S. R. 23 E. of the Salt Lake Base & Meridian in the state of Utah.

Heber C. Christensen, Moundman.

, Moundman.

Subscribed and sworn to before me this 14th day of December, 1900

Hubert D. Page
U.S. Deputy Surveyor

SEAL

WE, I. Julius Hovinghoff 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 the S. E. & N. bdys. of T. 33 S. R. 24 E. & the S., W. & N. bdys. of T. 33 S. R. 23 E. of the Salt Lake Base and Meridian in the state of Utah.

Julius Hovinghoff, Axman.

, Axman.

Subscribed and sworn to before me this 14th day of December, 1900

Hubert D. Page
U.S. Deputy Surveyor

SEAL

I, George Dalton, do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of the S. E. & N. bdys. of T. 33 S. R. 24 E. & the S., W. & N. bdys. of T. 33 S. R. 23 E. of the Salt Lake and Meridian in the State of Utah.

George Dalton, Flagman.

Subscribed and sworn to before me this 14th day of December, 1900

Hubert D. Page
U.S. Deputy Surveyor

SEAL

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Resurvey of the South bdy., of T. 33 S., R. 24 E.

Chains	
	The reestablishment of the cor. of T. 33 and 34 S., Rs. 23 and 24 E. as well as the bad condition in which the corners were found makes it necessary to resurvey the boundaries of this Township.
	Survey Commenced, Dec. 18th 1900. and executed with the instrument described in book A of this survey.
	I prove the instrument to be in adjustment by recent observation, made Dec. 14th 1900 and recorded in book A of this survey.
	At 8 a.m., c.m.t., I set off 37°54' N. on lat. arc; 23°20' S. on decl. arc; and determine a true meridian with the solar.
	At the cor. of T. 33 and 34 S., Rs. 23 and 24 E.
	Thence I run
	East bet. secs. 6 and 31.
	Descending over rolling land dense sage and oak brush.
1,40	Wagon road, Monticello to Veldau, bears N. and S.
	Allowing for Convergency of Meridian
38.88	Set a sandstone 18 x 11 x 4 ins. 12 ins. in the ground. for re-established 1/4 sec. cor., marked 1/4 S. 31 on N. 6 on S faces. raised a mound of stone 7 ft. base,

Resurvey of South bdy. T.33 S. R.24 E., Continued

Chains	
	1½ ft. high N. of Cor.
	Pits impracticable
	Old ¼ sec. cor. which is a
	sand stone 15 x 7 x 7 ins.
	disintegrating and lying
	loose upon the ground.
	bears S. 62°30' W. 2.10 chs. dist.
	I destroy all trace of old
	Cor.
47.00	Enter heavy Cedar and Pinion Timber
	bears N. and S.
53.00	Leave timber, N.E. and S.W.
70.00	Bottom of ravine 250 ft. deep,
	and wash 25 ft. deep course N.E.
78.88	Set a sand stone 18 x 10 x 10 ins. 12 ins.
	in the ground, for reestablished Cor.
	of secs. 5, 6, 31 and 32.
	Marked with 1 notch on the W. and
	5 notches on the E. edges. raised
	a mound of stone 2 ft. base, 1½ ft.
	high W. of Cor.
	Pits impracticable.
	After diligent search no trace of
	the old cor. can be found.
	Land, broken
	Soil, stony loam and clay, 2nd and 3rd rate.
	Timber, pinion and Cedar.
	heavily timbered and dense undergrowth
	78.88 chs.
	East bch. secs 5 and 32.
	Descending through dense artemisia
	and oak brush along the south side
	of Montezuma Cañon
19.30	Pole fence N. 75° W. and S. 75° E.
21.30	" fence N. 15° E and S. 15° W.
40.00	Set a cobble stone 18 x 12 x 4 ins. 12 ins
	in the ground, for reestablished 1/4 sec.

Resurvey of the South bdy of T. 33 S., R. 24 E. continued.

Chains	
	Cor. Marked 1/4 S. 32 on N. 5 on S. faces. raised a mound of stone, 2 ft. base, 1½ ft. high N. of Cor. Pits impracticable After diligent search no trace of the old 1/4 sec. Cor. can be found.
44.20	Old road, bears N. W. & S. E.
50.20	Montezuma Creek, dry, course S. 75° E. ascend over stony soil and broken ledges, bear N. 75° W. and S. 75° E.
56.00	Sheep Corral 8 chs. S.
72.00	Enter scattering cedar and pinon timber bears N. W. and S. E. leave ledges
80.00	Set a sandstone 20 x 12 x 3 ins. 15 ins. in the ground and mound of stone, for reestablished cor. of secs. 4, 5, 32 and 33. Marked with 2 notches on the W. and 4 notches on the E. edges. From which a cedar 6 ins. in diam. bears N. 51° W. 19 lks. dist. Marked T. 33 S., R. 24 E., S. 32 B.T. A cedar 8 ins. in diam, bears N. 28° E. 6 lks. dist. Marked T. 33 S., R. 24 E., S. 33 B.T. No other bearing trees within limits, raise a mound of stone 2 ft. base, 1½ ft. high W. of Cor. Pits impracticable. After diligent search No trace of the old cor. can be found. Land, broken. Soil, stony, 2nd and 4th rate. Timber, scattering Cedar and pinon. Dense undergrowth 80.00 chs.
	East bet. secs. 4 and 33. Ascending through dense artemisia and scattering cedar.
9.00	Leave timber, bears N. and S.
11.00	Spur, projects S. descend
31.00	Box Cañon 200 ft. deep. 250 ft. wide, Course S.
39.00	Spur, projects S.
40.00	Set a sandstone 18 x 8 x 8 ins. 17 ins. in the ground, for reestablished 1/4 sec. cor. Marked 1/4 S. 33 N.

Resurvey of the South bdy. T. 33 S., R. 24 E., Continued

Chains.	
	4 on S. falls.
	raised a mound of stone, 2 ft. base, 1½ ft. high N. of Cor.
	Pits impracticable.
	The old ¼ sec. cor. which is a sandstone 17 × 7 × 6 ins. in a mound of stone, bears N. 59° W. 2.95 chs. dist.
	Destroy all trace of same.
49.00	Enter scattering cedar bears N. and S.
65.50	Leave cedar timber, bears N. and S.
80.00	Top of ridge, bears N. and S.
	Set a sand stone 18 × 10 × 3 ins. 17 ins. in the ground, for reestablished cor. of secs. 3, 4, 33 and 34. Marked with 3 notches on the E. and W. edges.
	raise a mound of stone, 2 ft. base, 1½ ft. high N. of Cor.
	Pits impracticable.
	After diligent search No trace of old sec. Cor. can be found.
	Land, rolling.
	Soil, stony loam, 2nd and 3rd rate.
	Timber, scattering
	Dense undergrowth 80.00 chs.
	Dec. 18th
	At this Cor. I set off 23° 22' S. on the decl. arc: and at 11 h. 57 m. a. m. L. mt. observe the sun on the meridian; the resulting lat. is 37° 54' N.
	East bet. secs. 3 and 34.
	Descend over rolling land, dense artemisia.
17.25	Top of sand stone ledge is 100 ft. high, bear N. and S.

Resurvey of the South bdy. T.33 S. R.24 E. continued.

Chains	
27.00	Vaga creek. Dry drains S.E.
34.75	Sand stone ledges 75 ft. high bear S.E. and N.W.
36.25	Sand stone ledges 50 ft. high S.W. and N.E.
38.50	Ravine 75 ft. deep. Course S.W. descend.
40.00	Set a sand stone 16 x 10 x 4 ins. 11 ins. in the ground for reestablished 1/4 sec. cor. Marked 1/4 S. 34 on N. 3 on S. Raised a mound of stone 2 ft. base, 1½ ft. high N. of cor. Pits impracticable. After diligent search no trace of old 1/4 sec. cor. can be found.
47.00	Top of sand stone ledges 75 ft. high bear N.E. and S.W.
80.00	Set a sand stone 18 x 14 x 3 ins. 12 ins. in the ground for reestablished cor. of secs. 2, 3, 34 and 35. Marked with 4 notches on the W. and 4 notches on the E. edges, raised a mound of stone 2 ft. base, 1½ ft. high W. of cor. Pits impracticable. The old sec. cor. which is a sand stone 14 x 8 x 6 ins. laying loose on the ground. bears S. 63° 30' W. 355 chs. dist. Destroy all trace of the old cor. Land rolling and broken. Soil, stony and loam. 1st and 4th rate. No timber. Dense undergrowth 80.00 chs.
	East bet. secs. 2 and 35. Ascending over rolling land dense attenuation.
40.00	Set a sand stone 18 x 12 x 3 ins.

Chains	
	12 ins. in the ground, for reestablished 1/4 sec. cor. Marked 1/4 S 35 on N. 2 on S. faces. raised a mound of stone 2 ft. base, 1 1/2 ft. high N. of Cor. Pits impracticable. After diligent search no trace of old 1/4 sec. cor. can be found.
80.00	set a sand stone 18 x 12 x 3 ins. 12 ins. in the ground, for reestablished cor. of sec. 1, 2, 35 and 36. marked with 5 notches on the W. and 1 notch on the east edges. raised a mound of stone 2 ft. base, 1 1/2 ft. high. W. of Cor. Pits impracticable, After diligent search no trace of old sec. cor. can be found. Land rolling. Soil, loam. 1st and 2nd rate. No timber. Dense undergrowth. 80.00 chs.
	East bet. secs. 1 and 36. Ascending over rolling land dense artemisia.
40.00	Set a cedar post, 3 ft. long 3 in. sq. with marked stone 24 ins. in the ground, for reestablished 1/4 sec. cor. Marked 1/4 S 36 on N. S 1 on S. faces. dig pits 18 x 18 x 12 ins. E. and W. of post 3 ft. dist.; raise a mound of earth 3 1/2 ft. base 1 1/2 ft. high N. of Cor. After diligent search no trace of old 1/4 sec. cor. can be found.
57.00	Top of ridge, bears N. and S.
	S. point of timber bears N.E. and N.W. descend.
80.00	Set a cedar post, 3 ft. long 4 ins. sq. with marked stone

Resurvey of the South bdy. T. 33 S., R. 24 E., Continued.

Chains	
	24 ins. in the ground, for the re-established cor. of T. 33 and 34 S., Rs. 24 and 25 E. Marked T. 33 S., S. 31 on N.E. R. 25 E., S. 6 on S.E., T. 34 S., S. 1 on S.W. R. 24 E. S. 36 on N.W. faces; with 6 notches on each edge. dug pits 24 x 24 x 12 ins. on each line N.E. and W., 4 ft., and S. of post 8 ft. dist.; and raise a mound of earth, 5 ft. base, 2½ ft. high S. of cor.
	After diligent search no trace of old sec. cor. can be found. Land, rolling.
	Soil, loam — 1st rate
	No timber
	Dense undergrowth, 80.00 chs.
	December 18th
	Resurvey East Boundary T. 33 S. R. 24 E.
	Dec. 18th 1900.
	At 4 p.m., l.m.t., I set off 37°54' N. on lat. arc: 73°26' S. on decl. arc; and determine a true meridian with the solar, at the cor. of T. 33 and 34 S., Rs. 24 and 25 E. The magnetic bearing of the true meridian at 4 p.m. is N. 15°05' W. the angle thus determined, reduced by the table, page 100. gives the mean mag. decl. 15°14' E.
	Thence I run North bet. secs. 31 and 36 Ascending over rolling land, dense artemisia
40.00	set a cedar post 3 ft. long, 3 ins. sq.

Resurvey of the East bdy. T. 33 S., R. 24 E., Continued

Chains	
	with marked stone, 24 ins. in the ground, for re-established 1/4 sec. cor. marked 1/4 S 36 on N. and 31 on E. faces. dig pits 18 x 18 x 12 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 N. of cor.
	After diligent search no trace of old 1/4 sec. cor. can be found.
48.00	Small grove of cedar and pinon timber
62.00	top of ridge. bears N. E. and S. W. descend.
80.00	Set a cedar post 3 ft. long 4 ins. sq. with marked stone 24 ins. in the ground for re-established cor. of secs. 25, 30, 31 and 36. marked T. 33 S., S. 30 on N. E., R. 25 E., S. 31 on S. E., S. 36 on S. W., and R. 24 E. S. 25 on N. W. faces; dig pits 18 x 18 x 12 ins. in each sec. 5 1/2 ft. dist. and raise a mound of earth and stone 4 ft. base, 2 ft. high N. of cor.
	After diligent search no trace of the old sec. cor. can be found.
	Land, rolling
	Soil, loam 1st and 2nd rate.
	Timber, cedar and pinon.
	Dense pinder growth. 80.00 chs.
	North bet. secs. 25 and 30. over rolling land, dense artemisia
14.00	Wagon road Monticello to Colorado bears E. and W.
18.00	Enter heavy cedar and pinion bear E. and W.
24.00	Leave timber bears E. and W.
40.00	Set a sandstone 14 x 10 x 4 ins. 9 ins

Chains	
	in the ground for reëstablished 1/4 sec. cor. marked 1/4 S. 25 on N. 30 on E. faces; raised a mound of stone 2 ft. base 1 1/2 ft. high N. of cor.
	Pits impracticable.
	After diligent search no trace of old 1/4 sec. cor. can be found.
80.00	set a sand stone 15 x 10 x 4 ins. 10 ins. in the ground for reëstablished cor. of secs. 19, 24, 25 and 30.
	Marked with 2 notches on the S. and 4 notches on the North edges.
	from which a cedar 16 ins. in diam. bears S. 30° W. 75 lks dist. marked T. 33 S., R. 24 E. Sec. 25. B.T.
	a cedar 12 ins. in diam. bears N. 20° W. 1.10 chs dist. marked T. 33 S., R. 24 E. S. 24. B.T.
	No other suitable trees within limits
	After diligent search no trace of old sec. cor. can be found.
	Land rolling.
	Soil, loam and clay 1st and 2nd rate.
	No timber
	Dense undergrowth. 8.00 chs.
	Dec. 18th 1900.
	Dec. 19th 1900.
	At 8. a.m., L.m.t., I set off 37°56' N on lat. arc; 23°21' S. on decl. arc; and determine a true meridian with the polar, at the cor. of secs. 19, 24, 25 and 30.
	Thence I run
	North bet. secs. 19 and 24.
	over rolling land, through dense artemisia

Resurvey of the East bdy. T.33S., R.24E. Continued

Chains	
40.00	Set a cedar post 3 ft. long, 3 ins. sq. with marked stone, 24 ins. in the ground, for re-established 1/4 sec. cor. marked 1/4 S 24 on N. and 19 on E. faces. dig pits 18x18x12 ins. N. and S. of post 3 ft. dist., and raise a mound of earth 3½ ft. base, 1½ ft. high N. of Cor. After diligent search no trace of the old 1/4 sec. cor. can be found.
43.50	Enter heavy cedar and pine on bear E. and N.
80.00	Set a sand stone 15x10x4 ins. 10 ins. in the ground for re-established cor. to secs. 13, 18, 19 and 24, marked with 3 notches on the N. and S. edges. from which a pine 6 ins. in diam. bears S. 40° W. 21 lks. dist. marked T.33S., R.24E. S.24 B.T. a pine 7 ins. in diam. bears N. 65° W. 14 lks. dist. marked T.33S., R.24E., S.13 B.T. a cedar 17 ins. in diam. bears N. 40° E. 21 lks. dist. marked T.33S., R.25E., S.18 B.T. a pine 8 ins. in diam. bears S. 75° E. 14 lks. dist., marked T.33S., R.25E., S.19 B.T. After diligent search no trace of old sec. cor. can be found. Land, rolling Soil, clay and loam, 2nd rate. Heavy timber Cedar and pine on. Heavy timber and dense undergrowth. 80.00 chs
	North bet. secs. 13 and 18 over rolling land, through heavy cedar and pine on timber
13.00	Leave heavy timber, bears N.E. and S.W. into dense

Resurvey of the East bdy. T.33S., R.24E., continued.

Chains	
	artemisia
40.00	Set a sandstone 15x10x4 ins. 10 ins in the ground for reëstablished 1/4 sec. cor. marked 1/4 S.13 on W., 18 on E. faces. raised a mound of stone 2ft. base 1½ft high W. of cor.
	Pits impracticable.
	After diligent search no trace of old 1/4 sec. cor. can be found.
80.00	Set a cedar post 3ft. long 4 ins. sq. with marked stone 24 ins. in the ground for reëstablished cor. of secs. 7, 12, 13 and 18.
	Marked T.33S., S.7 on N.E., R.25E. S.18 on S.E., S.13 on S.W., R.24E., S.12 on N.W. faces.
	dig pits 18x18x12 ins. in each sec. 5½ft. dist. and raise a mound of earth 4ft base, 2ft high W. of cor.
	The old cor. which is a partially decayed cedar post.
	bears S. 70° 00' W. 3.18 chs. dist.
	I destroy same.
	Land rolling.
	Soil, clay and loam 1st. and 2nd rate.
	Timber, cedar and pine.
	Dense undergrowth and heavy timbed
	80.00 chs.
	North bet. secs. 7 and 12.
	over rolling land, dense
	artemisia
1.00	Leave dense undergrowth.
	Enter prairie
40.00	Set a cedar post 3ft. long 4 ins. sq. with marked stone 24 ins. in the ground for reëstablished 1/4 sec. cor.
	Marked 1/4 S.12 on W. 7 on E. faces

Resurvey of the East bdy. of T. 33 S. R. 24 E. Contin

Chains	
	dig pits 18×18×12 ins. N. & S. of pos. 3 ft. dist; and raise a mound of earth 3½ ft. base, 1½ ft. high N. of cor.
	After diligent search no trace of old ¼ sec. cor. can be found.
11.50	Wagon road, bears N.W. & S.E. from Carlisle's ranch to Dolores, Colo.
11.00	Set a sandstone 18×14×13 ins. 12 ins. in the ground for reestablished cor. of secs. 1, 6, 7 & 12.
1/79.00	Marked with 5 notches on the S. and 1 notch on the N.
	raised a mound of stone 2 ft. base, 1½ ft. high N. of cor.
	Pit impracticable.
	The old cor. which is a sandstone 14×14×2 ins. disintegrating lies loose on the ground.
	bears S 60° W. 3.70 chs. dist.
	Destroy all trace of old cor.
	Land rolling
	Soil, stony & clay loam. 2nd rate.
	No timber.
	Dense rudge growth on 1 chain

North bet. secs. 1 & 6.

Over rolling prairie.

40.00	Set a sandstone 16×10×2 ins. 11 ins. in the ground, for reestablished ¼ sec. cor. marked ¼ S. on the N. cor. to face, raised a mound of stone 2 ft. base, 1½ ft. high N. of cor.
	Pit impracticable.
	After diligent search no trace of the old ¼ sec. cor. can be found.
	Enter dense artemisia

Resurvey of the East bdy. T. 33 S., R. 24 E.—concluded.

Chains	
80.00	Set a sandstone 24 x 8 x 5 ins. in a mound of stone and earth.
40/40	for reëstablished cor. to Ts 32 and 33 S., Rs. 24 and 25 E., marked with 6 notches on N.E. S. and W. edges and 32 S. on N.E., 25 E. on the S.E., 33 S on S.W., 24 E. on N.W. faces. raised a mound of stone 2 ft. base, 1½ ft. high S. of cor.
	Pits impracticable.
	After diligent search no trace of the old Tp. cor. can be found.
	Land rolling.
	Soil, clay & loam 1st and 2nd rate.
	No timber.
	Dense undergrowth 40.00 chs.

Resurvey North Boundary T. 33 S. R. 24 E.
Dec. 19th 1900.

At 10 a.m. l.m.t. I set off 37°59' N. on lat. arc. 23°24' S. on decl. arc; and determine a true meridian with the solar at the cor. of Ts 32 and 33 S., Rs. 24 and 25 E.

Thence I run
West on a random line, along the N. bdy. of T. 33 S., R. 24 E., setting temp. ¼ sec. and sec. cors. at intervals of 40.00 chs.; and at 478.35 chs. Intersect Colorado Guide Meridian at the cor. of T. 32 and 33 S., Rs. 23 and 24 E. previously described.
Therefore
I run

Resurvey of the North bdy. of T. 33 S., R. 24 E. continued

chains	
	East along the North bdy. of T. 33 S., R. 24 E. bet. secs. 6 and 31.
	Descending over rolling land, through dense artemisia.
28.00	Vaga Creek dry, drains S.E. ascend.
30.00	Wagon road, Carlisle's ranch to Colorado bears N.W. and S.E.
32.60	Sand stone ledge 25 ft high projects S.
38.35	set a sandstone 24 x 16 x 4 ins. in a mound of stone, for reëstablished 1/4 sec. cor. marked 1/4 S 31 on N. 6 on S. faces, raised a mound of stone 2 ft. base, 1 1/2 ft. high N. of cor.
	Pits impracticable
	After diligent search no trace of old 1/4 sec. cor. can be found.
61.00	Enter heavy cedar and pinion bear N. W. and S.E.
78.35	Set a sandstone 24 x 10 x 6 ins. in a mound of stone, for reëstablished cor. of secs. 5, 6, 31 and 32.
	Marked with 1 notch on the W. and 5 notches on the E. edges.
	From which a cedar 12" ins. in diam. bears N. 75° E. 12 lks. dist. marked T. 32 S., R. 24 E., S. 32. B.T.
	A cedar 8 ins in diam. bears S. 1° E. 50 lks. dist. marked T. 33 S., R. 24 E. S. 5 B.T.
	A cedar 12 ins. in diam. bears S. 85° W. 30 lks. dist. marked T. 33 S., R. 24 E., S. 6 B.T.
	A cedar 18 ins. in diam. bears N. 45° W. 135 chs. dist. marked T. 32 S., R. 24 E. S. 31 B.T.
	After diligent search no trace of old sec. cor. can be found.
	Land, rolling
	Soil, stony and loam, 1st and 3rd rate
	Timber, Cedar and Pinion
	Heavy timber and dense undergrowth 78.35 chs.

Survey of the North bdy. of T. 33 S., R. 24 E., Continued.

Chains	
	Dec. 20th 1900.
	At 8 a.m., l.m.t. I set off 37°59' N. on lat. arc, 23°22' S. on decl. arc, and determine a true meridian with the solar, at the cor. of secs. 5, 6, 31 and 32. On the north boundary of T.
	Thence I run
	East
	bet. secs. 5 and 32.
	over rolling land, through cedar and pinion and dense artemesia
4.00	Leave timber,
	bears N. and S.
24.00	Bottom of ravine 60 ft deep. drains S.
	Log cabin South 25 chs.
40.00	Set a sand stone 20 x 10 x 4 ins. in mound of stone, for reestablished 1/4 sec. cor. marked 1/4 S. 32 on N. 5 on S. faces; raised a mound of stone 2 ft. base 1 1/2 ft. high N. of cor.
	After diligent search no trace of old 1/4 sec. cor. can be found.
86.00	Set a cedar post 3 ft. long 4 ins. sq. with marked stone 24 ins in the ground for reestablished cor. of secs. 4, 5, 32 and 33. marked T. 32 S., S. 33 on N. E., R. 24 E., S. 4 on S. E., T. 33 S., S. 5 on S. W. and S. 32 on N. W. faces; with 4 notches on the E. and 2 notches on the W. edges.
	dig pits 18 x 18 x 12 ins in each sec. 5/2 ft. dist; and raise a mound of earth and rock 4 ft base 2 ft high. N. of cor.
	After diligent search no trace of old sec. cor. can be found.
	Sand, rolling
	Soil, sandy loam 1st rate
	Timber, Cedar and Pinion

Resurvey of the North bdy. of T. 33 S., R. 24 E. Contin.

Chains.	
	dense undergrowth 8000 chs.
	East bet. secs. 4 and 33. Over rolling land, through dense artemisia.
40.00	Set a sand stone 14 x 10 x 4 ins. 10 ins. in the ground, for reestablished 1/4 sec. cor. marked 1/4 S. 33 on N. 40 on S. faces, raised a mound of stone 2 ft. base, 1 1/2 ft. high N. of cor., Pits impracticable. The old 1/4 sec. cor. which is a sand stone 14 x 8 x 3 ins. above ground firmly set marked as described by the Surveyor General, bears S. 40° W. 3.30 chs. dist. I destroy all trace of old 1/4 sec. cor.
80.00	set a sand stone 13 x 10 x 4 ins. 9 ins. in the ground, for reestablished cor. to secs. 3, 4, 33 and 34. Marked with 2 notches on the E. and W. edges. raised a mound of stone 2 ft. base, 1 1/2 ft. high W. of cor. Pits impracticable. After diligent search no trace of old sec. cor. can be found. Land rolling Soil, loam and clay 1st rate, No timber Dense undergrowth 8000 chs
	East bet. secs. 3 and 34. Over rolling land, through dense artemisia

Resurvey of the North bdy. T. 33 S., R. 24 E. Contin

Chains.	
40.00	Set a sandstone 14x12x4 ins. 10 ins. in the ground, for reestablished 1/4 sec. cor. marked 1/4 S. 34 on N. 3 on S. faces, raised a mound of stone 2 ft. base, 1½ ft. high N. of cor. Pits impracticable. After diligent search no trace of old 1/4 sec. cor can be found.
80.00	Set a sandstone 15x12x6 ins. 10 ins. in the ground for reestablished cor. to secs. 2, 3, 34 and 35. Marked with 4 notches on the W. and 2 notches on the E. edges. Raised a mound of stone 2 ft. base, 1½ ft. high. W. of cor. Pits impracticable. The old cor. which is a sandstone 12x8x4 ins. lay flat on the ground, marked as described by the Surveyor General. Bears S. 38° W. 350 chs. dist. Destroy all trace of old cor. Land, rolling. Soil, clay and loam. 1st rate. No timber. Dense undergrowth. 80.00 chs.
	East bet. secs. 2 and 35. Over rolling land, through dense artemisia
40.00	Set a sandstone 14x12x4 ins. 10 ins in the ground for reestablished 1/4 sec. cor. marked 1/4 S. 35 on N. 2 on S. faces, raised a mound of stone 2 ft. base, 1½ ft. high N. of cor. Pits impracticable.

Chains	
	After diligent search no trace of the old 1/4 sec. cor. can be found.
80.00	Set a sand stone 18x12x3 ins. 12 ins. in the ground, for re-established cor. to secs. 1, 2, 35 and 36. Marked with 5 notches on the W. and 1 notch on the E., raised a mound of stone 2 ft. base, 1½ ft. high W. of cor. Pits impracticable. After diligent search no trace of old sec. cor. can be found. Land, rolling Soil, Clay and loam 1st and 2nd rate. No timber Dense undergrowth. 80.00 chs.
	Dec. 20th 1900. At this cor. I set off 23°25' S on decl. arc. and at 11h 58m a.m. l. m. t., observe the sun on the meridian the resulting lat. is 37°59' N
	East bet. secs. 1 and 36. over rolling land, through dense artemisia
40.00	Set a cedar post 3 ft. long 4 ins. sq. with marked rock 24 ins. in the ground for re-established 1/4 sec. cor. marked 1/4 S. 36 on N. 1 on S. faces. dig pits 18x18x12 ins. E. and W. of post 3 ft. dist. raised a mound of earth 3½ ft. base 1½ ft. high N. of cor.
80.00	The cor. of T. 33 S., R. 24 and 25 E.

Resurvey of the North bdy T.33 S., R.24 E. concluded.

Chains.

Land, rolling.
Soil, clay and loam, 1st and 2nd rate.
No timber
Dense undergrowth. 80.00 chs.
December 20th 1900.

Boundaries of T.33 S., R.24 E.
Latitudes, departures, and closing errors.

Line designated		Run bearing	Latitudes N.	Latitudes S.	Departures E.	Departures W.
Colorado Guide Meridian		South		480.00		
South bdy	T.33 S., R.24 E	East			478.88	
E. bdy.		North	480.00			
N. bdy		West				478.35
Convergency						56
			480.00	480.00	478.88	478.91
						478.88
	Error in Dep.					0.03

For general description see Subdivisions of this Township.

Hubert D. Page U.S. Deputy Surveyor, Compass man for James M. Lentz U.S. Deputy Surveyor.

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

Hubert D. Page
U.S. Deputy Surveyor.

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BOOK A-280

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

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

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

.....

showing the respective capacities in which they acted:

For final affidavits see book D. Tp. 33 S. R 23 E

....., *Chainman.*

....., *Chainman.*

....., *Moundman.*

....., *Moundman.*

....., *Axman.*

....., *Axman.*

....., *Flagman.*

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted .....

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

.....

.....

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

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

For final affidavits see book D. Tp. 33 S. R 23 E

....., *Chainman.*

....., *Chainman.*

....., *Moundman.*

....., *Moundman.*

....., *Axman.*

....., *Axman.*

....., *Flagman.*

.....

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

day of ....., 189

SEAL

.....

.....

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FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, ..., United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from ..... United States Surveyor General for ..... E. ....., 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 ..... for final affidavits see book D. Tp 33 S. R 24 E. ..... 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 14 1902, 189

The foregoing field notes of the re survey of the South East & North Boundaries of Tp 33 S. R 24 E. of the Salt Lake Base & Meridian, Utah

executed by Hubert Hage, U.S. Deputy Surveyor, Compassman for James M. Lentz, U.S. Deputy Surveyor under his contract No. 238, dated March 14 1900, 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.

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4—679.

C.

BOOK A-280

FIELD NOTES

OF THE SURVEY OF THE

Subdivision

of

Township No. 33

South

Range No. 24

East

Of the Salt Lake Base and Meridian,

In the State of Utah.

AS SURVEYED BY

Hubert D. Page Compassman for James McLentz, United States Deputy Surveyor,

Under his Contract No. 238, dated March 14th 1900.

Survey commenced December 20th, 1900

Survey completed December 27th, 1900

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m. chs. lks —

Subs — high — 54 56 68 ✓

low — 5, 17 25 ✓ 59 73.93

NAMES AND DUTIES OF ASSISTANTS.

John E. Rogerson	Chainmen
John Baker	"
Heber Christensen	Moundman
Julius Hovinghoff	Axman
George Dalton	Flagman.

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Volume
#
R0280

BOOK A-280

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Meanders Page.....

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PRELIMINARY OATHS OF ASSISTANTS.

WE, John E. Rogerson and John Baker 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 T.33S., R.24E. of the Salt Lake base and meridian in the State of Utah.

John E. Rogerson, Chainman.
John Baker, Chainman.

Subscribed and sworn to before me this 14th day of December, 1900

Hubert D. Page
U.S. Deputy Surveyor

SEAL

WE, J. Heber Christensen and do solemnly swear that ~~we~~ I will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given ~~us~~ me, to the best of ~~our~~ my skill and ability, in the survey of the subdivision lines of T.33S., R.24E. of the Salt Lake base and meridian in the State of Utah.

Heber J. Christensen, Moundman
, Moundman

Subscribed and sworn to before me this 14th day of December, 1900

Hubert D. Page
U.S. Deputy Surveyor

SEAL

WE, Julius Hoving Hoff and do solemnly swear that ~~we~~ I will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given ~~us~~ me, to the best of ~~our~~ my skill and ability, in the survey of the subdivision lines of T.33S., R.24E., of the Salt Lake base and meridian in the State of Utah.

Julius Hoving Hoff, Axman
, Axman

Subscribed and sworn to before me this 14th day of December, 1900

Hubert D. Page
U.S. Deputy Surveyor

SEAL

I, George Dalton, 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 T.33S., R.24E., of the Salt Lake base and meridian in the State of Utah.

George Dalton, Flagman

Subscribed and sworn to before me this 14th day of December, 1900

Hubert D. Page
U.S. Deputy Surveyor

SEAL

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Subdivision of T. 33 S. R. 24 E. Continued

Survey commenced Dec. 20th 1900 and executed with the instrument described in book A.

At the Cor. of Secs. 1, 2, 35 and 36 on the S. boundary of Tp. 33 S. R. 24 E.: latitude 37° 54' N. longitude 109° 17' W. I set off 37° 54' N. on the lat. arc: 23° 23' S. on the decl. arc: and at 4 p.m. L.M.T. determine with the solar a true meridian and mark a point thereof on a stone firmly set in the ground, 5 chs. N. of the Cor. December 20, 1900

Dec. 21:
At 1:19 A.M. I observe Polaris at western elongation, in accordance with Manual of Instructions and mark a point in the line thus determined on a piling driven in the ground, 5 chs. N. of my station.

Dec. 21: At 8 a.m. L.M.T. I lay off the azimuth of Polaris 1°33' to the East and mark the True Meridian thus determined by cutting a small groove in the stone set Dec. 20 on which the True Meridian falls 0.25 ins. West of the mark determined by the solar.

At 8 a.m. L.M.T. I set off 37° 54' N. on the lat. arc: 23° 23' S. on the decl. arc and mark a point in the true meridian determined

Subdivision of T. 33 S. R. 24 E. Continued

Chains	
	with the solar by a cross on the already set 5 chs. N. of my station this mark falls 0.3 ins. W. of the true meridian established by the Polaris observation.
	The solar apparatus by a. m. and p. m. observations defines positions for true meridians, respectively about 0°13" east and 0°16" west of the meridian established by the Polaris observation: therefor I conclude that the adjustments of the instrument are satisfactory.
	The magnetic bearing of the meridian at 8 a.m. is N. 15° 10' W. the angle thus determined, reduced by the table page 100, gives the mean mag. decl. 15° 08' E.
	From the S. & Cor. already described I run
	N. 0.1 W. bet. secs. 35 and 36.
	Over rolling land, through dense artimesia, descend.
34.00	Draw, 20 ft. deep, drains S. W. ascend.
40.00	Set a sandstone 15 × 12 × 3 ins. 10 ins. in the ground, for ¼ sec. cor. marked ¼ S. 35 on the W. and 36 on E. faces: and raise a mound of stone, 2 ft. base, 1½ ft. high W. of Cor.
	Pits impracticable.
80.00	Set a sandstone 16 × 12 × 3 ins. 11 ins. in the ground, for cor. of secs. 25, 26, 35 and 36, marked with 1 notch on the S. and 1 on E. edges and raise a mound of stone, 2 ft. base

Subdivision of T. 33 S. R. 24 E. Continued

Chains	
	1½ ft. high. W. of Cor.
	Pits impracticable
	Land, rolling
	Soil, loam. 1st Rate.
	No timber.
	Dense undergrowth. 80.00 chs.
	E. on a random line bet. secs. 25 and 36
40.00	Set temp. ¼ sec. cor.
80.00	Intersect E. bdy. of Tp. at the cor. of secs. 25, 30 and 31 & 36 heretofore described.
	Thence I run
	W. on a true line, bet. secs. 25 and 36
	Over rolling land, through dense artimesa. descend.
2.00	Enter scattering cedar and pinion timber, bears N. and S.
7.00	Leave scattering timber, bears N. and S.
40.00	Set a sandstone 15 x 10 x 4 ins. 12 ins. in the ground, for ¼ sec. cor. marked ¼ S. 25 on the N. and 36 on S. faces: and raise a Mound of stone, 2 ft. base, 1½ ft. high. N. of Cor.
	Pits impracticable
71.75	Thence, chains N. 40° W. ascend.
80.00	The cor. of secs. 25, 26, 35 and 36.
	Land, rolling.
	Soil, loam. 1st Rate
	Timber, cedar and pinion.
	Dense undergrowth. 80.00 chs.

Subdivision of T. 33 S. R. 24 E. Contin

Chains	
	N. 0°1' W. bet. secs. 25 and 26
	Over rolling land, through dense artemesia, descend.
1.40	Draw drains S. 35° W. ascend.
15.25	Road from Monticello to Dolores, bears E. and W.
40.00	Set a sandstone 15×14×4 ins. 10 ins. in the ground for ¼ sec. Cor., marked ¼ S. 26 on the W. and 25 on E. faces: and raise a mound of stone, 2 ft. base, 1½ ft. high W. of Cor. Pits impracticable
80.00	Set a sandstone 13×12×5 ins. 9 ins. in the ground, for cor. of secs. 23, 24, 25 and 26, marked with 2 notches on the S. and 1 notch on E. edges: and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of Cor. Pits impracticable
	Land, rolling.
	Soil, loam, 1st Rate
	No timber.
	Dense undergrowth. 80.00 Chs.
	Dec. 21: At this Cor. I set off 23.26 S. on the decl. arc and at 11h 58m A.M. l.m.t. observe the sun on the meridian: the resulting lat. is 37° 56' N.

Subdivision of T. 33 S. R. 24 E. Continued

Chains	
	E. on random line bet. secs. 24 and 25
40.00	Set temp. ¼ sec. cor.
80.00	Intersect E. bdy. of Township, 7 links S. of the Cor. of secs. 24, 25, 19 and 30. hereto fore described. Thence I run S. 89° 57' W. on true line bet. Secs. 24 and 25.
	Over nearly level ground through dense Sage brush.
40.00	Set a Cedar post, 4 ft. long, 4 in. sq. with marked Stone 36 ins. in ground for ¼ sec. cor. marked ¼ S. 24 on N. face and 25 on S. face dig pits. 18x18x12. E and W of post, 3 ft. dist.: and raise a mound of earth, 3½ ft. base 1½ ft. high N. of Cor.
80.00	The cor. of Secs. 23, 24, 25 and 26. Land, nearly all level. Soil, rich loam, 1st rate No timber... Dense undergrowth 80.00 chs.
	N. 0° 1' W. bet. Secs. 23 and 24. Over rolling country, through dense Sage.
40.00	Set a Sand stone 12x10x5 ins. 8 ins. in the ground, for ¼ sec. cor. marked ¼ S. 23 on the W. and 24 on the E. faces and raise a mound of Stone 2 ft. base, 1½ ft. high W. of Cor.
	Pits impracticable.

Chains	
80.00	Set a cedar post, 4 ft. long 5 ins. sq. with quart of Charcoal 36 ins. in the ground for cor. of secs. 13, 14, 23 and 24. marked T. 33 S., S. 13 on N.E. R. 24 E., S. 24 on S.E. S. 23 on S.W. and S. 14 on N.W. faces: with three notches on the S. and one on the E. edges; dig pits 18x18x12 ins. in each sec. 5½ ft. dist.: and raise a mound of earth, 4 ft. base, 2 ft. high W. of Cor. Land rolling. Soil, loam 1st rate. No timber. Dense undergrowth. 80.00 chs.
	N. 89°57' E. on random line bet. secs. 13 and 24.
40.00	Set temp. ¼ sec. cor.
79.90	Intersect E. bdy. of the 1/2 7 lks N. of the cor. of secs. 13, 18, 19 and 24. heretofore described,
	Thence I run W. on true line bet. secs. 13 and 24. Over gently rolling land, through heavy cedar and fir on timber, & dense artemisia
32.25	Leave heavy timber, bears N. and S.
39.95	Set a cedar post 4 ft. long, 4 ins. sq. with marked stone, 36 ins. in ground for ¼ sec. cor. marked ¼ S. 13 on N. and 24 on S. face, dig pits 18x18x12 ins. E. and W. of post, 3 ft. dist. and raise a mound of earth, 3½ ft. base, 1½ ft. high N. of Cor.

Subdivision of T. 33 S. R. 24 E. Continued

Chains	
46.75	Enter heavy cedar and pinion timber, bears N. ¾ S.
62.00	Leave heavy cedar and pinion timber bears N.E. ¾ S.W.
79.90	The Cor. of secs. 13, 14, 23 and 24
	Land, gently rolling.
	Soil: Loam: 1st rate
	Timber, Cedar and pinion
	Heavily timbered and dense undergrowth. 79.90 chs.
	N. 0° W. bet. secs. 13 and 14
	Over gently rolling country.
40.00	Set a cedar post, 4 ft. long 4 ins. sq. with marked stone, 36 ins. in the ground, for ¼ sec. cor. marked ¼ S. 14 on the W. and 13 on the E. faces, dig pits 18x18x12 W. and S. of post, 3 ft. dist.: and raise a mound of earth, 3½ ft. base, 1½ ft. high W. of Cor.
	Through scattering sage and bunch grass.
80.00	Set a cedar post 4 ft. long, 4 ins. sq. with quart of charcoal 36 ins. in the ground for cor. of secs. 11, 12, 13 and 14 marked T. 33 S. S. 12 on N.E. R. 24 E. S. 13 on S.E. S. 14 on S.W. and S. 11 on N.W. faces: with four notches on the S. and one on the E. edges, dig pits 18x18x12 ins. in each sec. 5½ ft. dist. and raise a mound of earth 4 ft. base, 2 ft. high, W. of Cor.

Subdivision of T.33 S. R.24 E. Cont

Chains	
	Land, gently rolling. Soil, loam, 1st rate. No timber.
	East on randomine bet. secs. 12 and 13.
40.00	Set temp. Cor. for ¼ sec.
79.86	Intersect E. bdy. of the Tp. at 7 links S. of the cor. of secs. 7, 12, 13 and 18, heretofore described. Thence I run S. 89° 57' W. on true line bet. secs. 12 and 13. Over rolling country, through cedar and pin on timber.
8.00	Leave cedar and pin on timber
39.93	Set a Sand stone 13x12x5 ins. 9 ins. in the ground, for ¼ sec. cor. marked ¼ S. 12 on the N. and 13 on the S. face. And raise a mound of stone 2 ft. base, 1½ ft. high W. of Cor. Pits impracticable.
79.86	The cor. of secs. 11, 12, 13 and 14. Land rolling. Covered with Sage. Soil, loam, 1st rate. Timber cedar and pin on 8 chs. Dense undergrowth 79.86 chs. December 21, 1900
	Dec. 22: At 8 a.m. l.m.t. I set off 37° 57' N. on the lat. arc 23° 23' S on the decl. arc, and determine a true meridian with the solar at the Cor. of secs. 11, 12, 13 & 14. Thence I run

Subdivision of T. 33 S. R. 24 E. Continued

Chains	
	N. 0° 1' W. bet. secs. 11 and 12. Over dense sage & gradually descending ground.
40.00	Set a Sand stone 16x10x5 ins. 11 ins. in the ground, for ¼ sec. cor. marked ¼ S. 11 on the W. and 12 on the E. faces. and raise a mound of stone 2 ft. base, 1½ ft. high, W. of Cor. Pits impracticable.
80.00	Set a Sand stone 20x15x3 ins. 15 ins. in the ground for cor. of secs. 1, 2, 11 and 12 marked with 5 notches on the S. and one notch on the E. edges. and raise a mound of stone 2 ft. base, 1½ ft. high, W. of Cor. Pits impracticable. Land, gently rolling. Soil, loam, 1st rate. No timber, dense undergrowth dense undergrowth. 80.00 chs.
	N. 89° 57' E. on a random line bet. secs. 1 and 12:
40.00	Set temp. ¼ sec. cor.
79.80	Intersect E. bdy of Tp. 2 lines S. of the Cor. of secs. 1, 6, 7 and 12, heretofore described. Thence I run S. 89° 56' W. on true line bet. secs. 1 and 12. Over nearly level country through dense artemisia.
39.90	Set a Sand stone 24x14x3 ins. 18 ins. in the ground, for ¼ sec. cor. marked ¼ S. 1 on the W. and 12 on the S. faces: and raise

Subdivision of T. 33 S. R. 24 E. Cont.

Chains	
	a mound of stone 2 ft. base 1½ ft. high W. of Cor. Pits impracticable.
53.70	Road from Carlisle's ranch to Dolores, bears N. 65 W. and S. 65 E.
79.80	The cor. of secs. 1. 2. 11. and 12. Land, nearly level. Soil, loam, 1st rate. No timber, dense undergrowth. 79.80 chs.
	N. 0° 7' W. on random line bet. secs. 1 and 2.
40.00	Set temp. ¼ sec. Cor.
80.00	Intersect W. bdy. of the Tp. 3 links E. of the Cor. of secs. 1. 2. 35 and 36. heretofore described. Thence I run S. 0° 2' E. on true line bet. secs. 1 & 2. Over dense sage and rolling land.
40.00	Set a Sand stone 18 x 10 x 3 ins. 12 ins. in the ground, for ¼ sec. Cor. marked ¼ S. 2 on W. face and 1 on E. face: and raise a mound of stone 2 ft. base 1½ ft. high W. of Cor. Pits impracticable.
77.85	Road from Carlisle's ranch to Dolores, bears N. 65 W. and S. 65 E.
80.00	The cor. of secs. 1. 2. 11. and 12. Land, rolling. Soil, loam, 1st rate. No timber. Dense undergrowth. 80 chs.
	From the Cor. of secs. 2. 3. 34 and 35. on the S. bdy. of the Tp. heretofore described, I run

Subdivision of T. 33 S. R. 24 E., Continued

Chains	
	high, N. of cor.
	Pits impracticable.
80.10	The Cor. of Secs. 26, 27, 34 and 35.
	Land, rolling.
	Soil, loam, 1st Rate.
	No timber.
	Dense undergrowth. 80.10 chs.
	N. 1° W. bet. Secs. 26 and 27.
	Over rolling land, gradual descent through dense artemisia
21.75	Creek, 30 ft. deep, Course S. W.
	Begin gradual ascent.
23.65	Road from Monticello to Moloes, bears E. and W.
40.00	Set a sandstone, 15×10×6 ins., 8 ins. in the ground, for ¼ Sec. Cor., marked ¼ S. 27, on W. and 26, on E. faces: and raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.
	Pits impracticable.
80.00	Set a sandstone, 15×10×5 ins., 10 ins. in the ground, for Cor. of Secs. 22, 23, 26 and 27, marked with 2 notches on S. and E. edges: and raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.
	Pits impracticable.
	Land, rolling.
	Soil, loam, 1st Rate.
	No timber.
	Dense undergrowth. 80.00 chs.
	December 22d. At this cor. I set off 23° 26' S. on the dect. arc: and at 11h 58m A. M. l. m. t. observe the sun on the meridian, the resulting lat. is 37° 56' N.

Subdivision of T. 33 S. R. 24 E. Continued

Chains	
	N. 0° 1' W. bet. secs. 34 and 35.
	Over rolling land, descend through
	dense artemisia
33.75	Bottom of ravine, 75 ft. deep,
	Course S. W. Ascend.
40.00	Set a sandstone, 18×16×8 ins. 12 ins. in
	the ground, for ¼ sec. cor., marked ¼ S. 34
	on W. and 35. on E. faces: and raise a
	mound of stone, 2 ft. base, 1½ ft. high,
	W. of cor. Pits impracticable
70.00	Top of low ridge, bears E. and W.
	Begin gradual descent.
80.00	Set a sandstone, 20×12×3 ins. 15 ins. in
	the ground, for cor. of secs. 26, 27, 34 & 35,
	marked with 1 notch on S. and 2
	notches on E. edges and raise a
	mound of stone, 2 ft. base, 1½ ft. high
	W. of cor. Pits impracticable.
	Land, rolling.
	Soil, loam, 1st Rate.
	No timber
	dense undergrowth. 80.00 chs.

	East, on a random line,
	bet. secs. 26 and 35.
40.00	Set temp. ¼ sec. cor.
80.10	Intersect W. and S. line, 7 lks. W. of
	the cor. of secs. 25, 26, 35 and 36.
	Thence N. on
	N. 89° 57' W. on a true line,
	bet. secs. 26 and 35.
	Descend, through dense artemisia
4.00	Down, 25 ft. deep, course S. W.
	Over rolling land, ascend gradually.
40.15	Set a sandstone, 14×12×5 ins. 9 ins. in
	the ground, for ¼ sec. cor., marked ¼ S. 26,
	on N. and 35. on S. faces: and raise a
	mound of stone, 2 ft. base, 1½ ft.

Subdivision of T. 33 S. R. 24 E. Continued

Chains	
	S. 89°57' E. on a random line bet. secs. 23 and 26.
40.00	Set temp. ¼ sec. cor.
80.12	Intersect N. and S. line At cor. of secs. 23, 24, 25 and 26. Thence I run N. 89° 57' W. on true line bet. secs. 23 and 26. Through dense artemisia and over rolling land: gentle descent
40.06	Set a Sand stone 24 x 12 x 4 ins. 18 ins. in the ground, for ¼ sec. cor. marked ¼ S. 23 on N. and 26 on the S. faces: and raise a mound of stone 2 ft. base, 1½ ft. high, N. of Cor. Pits impracticable.
80.12	The cor. of secs. 22 23 26 and 27. Land, rolling. Soil, loam, 1st rate. No timber. Dense undergrowth. 80.12 chs.
	N. 0° 1' W. bet. secs. 22 and 23. Over rolling land, dense artemisia.
40.00	Set a Sand stone 15 x 12 x 3 ins. 10 ins in the ground, for ¼ sec. cor. marked ¼ S. 22 on W. and 23 on E. faces: and raise a mound of stone 2 ft. base 1½ ft. high W. of Cor. Pits impracticable.
80.00	Set a Sand stone 15 x 12 x 3 ins. 10 ins. in the ground, for cor. of secs. 14, 15, 22 and 23, marked with 3 notches on S. and 2 notches on E. edges: and raise a mound of stone 2 ft. base 1½ ft. high, W. of Corner, Pits impracticable.

Land, rolling.
Soil, loam, 1st rate.
No timber, dense undergrowth 80 chs

S 89°57' E on a random line bet. secs. 14 and 23.
40.00 Set temp. ¼ sec. cor.
80.18 Intersect N. and S. line, 5 lks. S. of Cor. of secs. 13, 14, 23 and 24.
Thence I run
N. 89°59' W. on true line, bet. secs. 14 and 23.
Over rolling land, & dense artemisia
40.09 Set a Sand stone, 15×12×3 ins. 10 ins. in the ground, for ¼ sec. cor. marked ¼ S. 14 on N. and 23 on the S. faces: and raise a mound of stone 2 ft base, 1½ ft. high: N. of Cor.
Pits impracticable.
80.18 The cor. of secs. 14, 15, 22 and 23
Land, rolling.
Soil, loam, 1st rate.
No timber, dense undergrowth 80.18 chs.

N. 0°1' W. bet. secs. 14 and 15.
Over rolling land, & dense artemisia
40.00 Set a Sand stone 16×12×4 ins. 10 ins. in the ground, for ¼ sec. cor. marked ¼ S. 15 on W. and 14 on E. faces: and raise a mound of stone, 2 ft. base, 1½ ft. high W. of Cor. Pits impracticable.
80.00 Set a Sand stone 20×12×3 ins. 15 ins. in the ground, for cor. of secs. 10, 11, 14 and 15, marked with 4 notches on S. and 2 on E. edges, and raise a mound of stones 2 ft. base 1½ ft.

Subdivision of T. 33 S. R. 24 E. Continued

	Sligh. W. of Cor. Pits impracticable.
	Land rolling.
	Soil, loam, 1st rate.
	No timber
	Dense undergrowth. 80 chs.
	S 89°59' E on a random line bet. secs. 11 and 14.
40.00	Set temp. ¼ sec. cor.
80.18	Intersect N. and S. line 12 link S. of the Cor. of secs. 11, 12, 13 and 14.
	Thence I run.
	S. 89°56' W., on a true line bet. secs. 11 and 14.
	Over rolling land & dense artemisia
40.09	Set a cedar post 4 ft. long 4 ins. sq. with marked stone, 36 ins. in ground for ¼ sec. cor. marked ¼ S. 11 on N. face, and 14 on S. face: dig pits 18x18x12 ins. E. and W. of post 3 ft. dist: and raise a mound of earth 3½ ft. base 1½ ft. high N. of Cor.
80.18	The cor. of secs. 10, 11, 14 and 15.
	Land rolling
	Soil, loam, 1st rate.
	No timber
	Dense undergrowth 80.18 chs.
	N. 0°1' W. bet. secs. 10 and 11
	Over rolling land & dense artemisia
40.00	Set a Sandstone 15x12x3 ins. 10 ins. in the ground, for ¼ sec. cor. marked ¼ S. 10 on W. and 11 on E. faces: and raise a mound of stone 2 ft. base, 1½ ft. high, W. of Cor. Pits impracticable.

80.00 Set a Sandstone 16x12x4 ins. 10 ins. in the ground, for cor. of secs. 2, 3, 10 and 11, marked with 5 notches on the S. and 2 notches on the E. edges, and raise a mound of stone 2 ft. base, 1½ ft. high, W. of Cor. Pits impracticable.
Land, rolling.
Soil, loam, 1st rate.
No timber,
Dense undergrowth 80 chs.

N. 89°56' E. on a random line bet. secs. 2 and 11.
40.00 Set temp. ¼ sec. cor.
80.20 Intersect N and S. line, 19 links N. of Cor of secs. 1, 2, 11 and 12.
Thence I run
N. 89°56' W. on true line bet. secs. 2 and 11. Over rolling land and dense Sage
40.10 Set a Sandstone 15x12x3 ins. 10 ins. in the ground, for ¼ sec. cor. marked ¼ S. 2 on the N. and 11 on the S. faces: and raise a mound of stone, 2 ft. base, 1½ ft. high N. of Cor.
Pits impracticable
80.20 The cor. of secs. 2, 3, 10 and 11.
Land rolling.
Soil, loam, 1st rate.
No timber
Dense undergrowth 80.20 chs.
December 22, 1900

Dec. 23: At 8 a.m. G.M.T. I set off 37°58' N on the lat. arc: 23°23' S on the decl. arc and determine a true meridian with the solar, at the cor. of secs. 2, 3, 10 and 11.

Subdivision of T. 33 S. R. 24 E. Continued

Chains	
	N. 0° 1' W. on a random line bet. secs. 2 and 3.
40.00	Set temp. ¼ sec. cor.
80.12	Intersect N. bdy. of Tp. 5 lks. E. of the cor. of secs. 2, 3, 34 and 35.
	Heretofore described.
	Thence I run
	S. 0° 3' E. on a true line bet. secs. 2 and 3.
	Over rolling land and dense artemisia
40.12	Set a sandstone 20 x 12 x 3 ins. 15 ins. in the ground for ¼ sec. cor., marked ¼ S. 3 on the W. and 2 on E. faces; and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
	Pits impracticable.
51.75	Road from Carlisle's ranch to Holcombs, bears N. 65° W. and S. 65° E.
80.12	The cor. of secs. 2, 3, 10 and 11.
	Land, rolling.
	Soil, loam, 1st Rate.
	No timber
	Lime undergrowth. 80.12 chs.

From the cor. of secs. 3, 4, 33 and 34, on the S. bdy. of the Tp. heretofore described, I run

	N. 0° 2' W. bet. secs. 33 and 34.
	Over gradually ascending land, through dense artemisia
10.00	Begin descent.
37.00	Right bank of box canon, top of perpendicular ledges 200 ft. high, bear S. 70° E. point for triangulation. Point for ¼ sec. cor. falls in the canon, to locate position for ¼ sec. cor. and determine the dist across the canon, I set a flag on line on right bank

Subdivision of T. 33 S. R. 24 E. Cont.

Chains	
	of creek in bottom of Canon, and I set another flag on line on edge of ledges on left bank of Canon.
	Then I measure a base S. 89° 58' W. 5 chs. to a point, from which the flag in the Canon bears N. 64° 19' E., the W. end of the base bears S. 64° 19' W. from the flag, the dist. is tan. 25° 39' × base or 0.4802 × 5 = 2.40.
	And the flag on the left bank of the Canon bears N. 42° 14' E. the W. end of the base bears S. 42° 14' W. from the flag the dist. is tan. 47° 44' × base or 1.100 × 5.00 = 5.50.
	Adding to 37.00 chs. makes
39.40	Taga creek, 8 lks. wide, 12 ins. deep, pure water, Course S. 70° E. Ascend.
40.00	Set a sandstone 21 × 14 × 6 ins. 16 ins. in the ground, for ¼ sec. cor., marked ¼ S. 33. on the W. and 34. on E. faces: and raise a mound of stone, 2 ft. base, 1½ ft. high. W. of Cor. Pits impracticable.
	Then from triangulation 37.00 + 5.50
42.50	Left bank of Canon, top of perpendicular sandstone ledges, 200 ft. high, bear N. 40° W. and S. 40° E.
52.00	Top of Span, projects W. descend
60.00	Left bank of box Canon, top of perpendicular ledges, 150 ft. high, bear N. E. and S. W.
	point for triangulation.
	To determine the dist. across, I set a flag on line, on right bank, then measure a base N. 89° 58' E. 8.00 chs. to a point from which the flag bears N. 45° 02' W. from the flag the E. end of the base bears S. 45° 02' E. therefore the dist.

Subdivision of T. 33 S. R. 24 E. Continued.

Chains	
	is tan. 45.00° x base or 1.00 x 8.00 = 8.00 chs.
	adding to 60.00 makes
68.00	Right bank of box canon, top of
	perpendicular ledges 150 ft. high.
	bear N. E. and S. W.
	In the canon, Saga creek. Course
	S. W.; estimated distance 3.50 chs.
	S. from right bank of canon.
80.00	Set a sandstone 16 x 12 x 7 ins. 11
	ins. in the ground, for cor. of
	Secs. 33, 34, 27 and 28; marked with
	1 notch on the S. and 3 on E.
	edges: and raise a mound
	of stone, 2 ft. base, 1½ ft. high.
	W. of Cor. Pits impracticable.
	Land, rolling.
	Soil, stony and loam, 1st and 4th Rate.
	No timber.
	Mountainous land or dense
	undergrowth. 80.00 chs.
	E. on a random line bet. secs.
	27 and 34.
40.00	Set temp. ¼ Sec. Cor.
80.06	Intersect N. and S. line 7 chs. N. of
	Cor. of Secs. 26, 27, 34 and 35.
	Thence I. run
	N. 89° 57' W. on a true line, bet.
	secs. 27 and 34.
	Over rolling land, through
	dense artemisia.
40.03	Set a sandstone 15 x 14 x 3 ins. 10 ins.
	in the ground, for ¼ Sec. Cor.
	marked ¼ S. 27 on the N. and 34 on
	S. faces: and raise a mound
	of stones 2 ft. base, 1½ ft. high.
	N. of Cor. Pits impracticable.
73.45	Top of sandstone ledges, 75 ft. high.

Subdivision of T. 33 S. R. 24 E. Continued

Chains	
	bear N. and S. descend
76.20	Saga Creek, 5 lks. wide, 5 ins. deep
	Course S. 10° W. ascend
77.80	Top of sandstone ledges, 75 ft. high,
	bear N. and S.
80.06	The Cor. of Secs. 33, 34, 27 and 28.
	Land rolling and mountainous.
	Soil, stony and loam, 1st and 4th Rate
	No timber
	Mountainous land or dense
	undergrowth. 80.06 chs.
	Dec: 23°. At this Cor. I set off 23.25° on
	the decl. arc: and at 1 59 P.M. L.M.T.
	observe the sun on the meridian
	the resulting lat. is 37° 55' N.
	N. 0° 2' W. bet. secs. 27 and 28.
	Over rolling land, ascend
	through dense artemisia.
21.00	Begin descent.
32.00	Road from Monticello to
	Dolores, bears E. and W.
40.00	Set a sandstone 15 x 10 x 4 ins.
	10 ins. in the ground, for ¼ sec.
	cor., marked ¼ S. 28 on the W.
	and 27 on E. faces: and raise
	a mound of stone, 2 ft. base,
	1½ ft. high, W. of Cor.
	Pits impracticable.
50.50	Old road, bears E. and W.
75.50	Saga Creek, 8 lks. wide, 3 ins. deep
	pure water. Course S. 50° E. ascend
80.00	Set a sandstone, 18 x 12 x 4 ins. 12 ins. in
	the ground, for Cor. of Secs. 21, 22, 27
	and 28, marked with 2 notches on the
	S. and 3 notches on E. edges and raise
	a mound of stone, 2 ft. base, 1½ ft.

Subdivision of T. 33 S. R. 24 E. Continued

high. W. of Cor. Pits impracticable.
Land rolling and broken.
Soil stony and loam, 1st and 3rd rate.
No timber
Dense undergrowth, 80.00 chs

S 89° 57' E. on a random line bet. secs.
22 and 27.
40.00 Set temp. ¼ sec. cor.
79.90 Intersect N. and S. line, 7 lks. S. of cor. of
secs. 22, 23, 26 and 27.
Thence I run
W. on true line bet. secs. 22 and 27.
Over rolling land, dense artemisia
39.95 Set a Sandstone 14x13x5 ins. 9 ins. in
the ground, for ¼ sec. cor, marked
¼ S. 22 on N. and 27 on S. faces: and
raise a mound of stone 2 ft. base,
1½ ft. high. N. of Cor.
Pits impracticable.
76.20 Top of Sandstone ledges, 40 ft. high,
bear N. and S. on left bank of Canon.
79.90 The cor. of secs. 21, 22, 27 and 28.
Land rolling and mountainous.
Soil stony and loam. 1st and 3rd rate.
No timber.
Dense undergrowth and
mountainous land, 79.90 chs.

N. 0° 2' W. bet. secs. 21 and 22.
Ascend over rough stony ground.
7.00 Top of Sandstone ledges, 30 ft. high,
bear N. 30° W. and S. 30° E.
Thence over level land through
scattering timber.

Subdivision of T. 33 S. R. 24 E. Continued.

Chains	
23.60	Top of Sandstone ledges, 30 ft. high, bear S. 40° W. and N. 40° E. descend.
39.00	Steep Creek, 8 links wide, 3 ins. deep. Course S. 25° W. ascend.
40.00	Set a Sandstone 24×16×3 ins. 18 ins. in the ground, for ¼ sec. cor. marked ¼ S. 21 on W. and 22 on E. faces: and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of Cor. Pits impracticable.
48.00	Top of Sandstone ledges, 40 ft. high, bear S. 40° W. and N. 40° E. descend.
69.80	Draw chains S. W. 30 ft. dep. ascend.
80.00	Set a Sandstone 30×20×4 ins. 21 ins. in the ground, marked 33 S. on N.E. and 24 E. on S.E. faces, with 3 notches on S. and 3 notches on E. edges: and raise a mound of stone, 2 ft. base, 1½ ft. high W. of Cor. Pits impracticable.
	Land rolling and mountainous. Soil stony and bottom lands. 2nd and 4th rate. Timber, cedar and pinon. Mountainous land, 60.00 chs.
	E. on random line bet secs. 15 and 22.
40.00	Set temp. ¼ sec. cor.
80.16	Intersect N. and S. line 9 links S. of the Cor. of secs. 14, 15, 22 and 23. Thence I run S. 89° 56' W. on true line bet secs. 15 and 22. Over rolling country, and dense sage.
40.08	Set a Sandstone 20×10×4 ins. 15 ins. in the ground, for ¼ sec. cor. marked ¼ S. 15 on N. and 22 on S. faces

Subdivision of T. 33 S. R. 24 E. Continued

and raise a mound of stone 2 ft. base, 1½ ft. high. N. of Cor.
Pits impracticable.
80.16 The cor. of secs. 15, 16, 21 and 22.
Land rolling.
Soil loam, 1st rate.
No timber.
Lime undergrowth 80.16 chs.

N. 0° 2' W. bet. secs. 15 and 16.
Our gently rolling land, dense Artemisia
40.00 Set a Sandstone 22x20x3 ins. 16 ins. in the ground for ¼ sec. cor. marked ¼ S. 16 on W. and 15 on E. faces: and raise a mound of stone 2 ft. base, 1½ ft. high W. of Cor.
Pits impracticable.
42.50 Ridge, bears E. and W. Descend.
80.00 Set a Sandstone 16x10x8 ins, 10 ins. in the ground, for Cor. of secs. 9, 10, 15 and 16, marked with 4 notches on S. and 3 on E. edges; and raise a mound of stone, 2 ft. base, 1½ ft. high W. of Cor. Pits impracticable.
Land rolling.
Soil, loam 1st rate.
No timber.
Lime undergrowth. 80.00 chs.

N. 89° 56' E. on a random line bet. secs. 10 and 15.
40.00 Set temp. ¼ sec. cor.
80.05 Intersect W. and S. line, 2 links S. of Cor. of secs. 10, 11, 14 and 15.
Thence S. 0°

S. 89° 55' W. on a true line bet. secs. 10 and 15.
Over rolling land, with dense artemisia
40.04 Set a Sandstone 15 x 16 x 3 ins. 12 ins. in the ground, for ¼ sec. cor. marked ¼ S. 10 on N. and 15 on S. faces: and raise a mound of stone 2 ft. base, 1½ ft. high, N. of Cor. Pits impracticable.
80.08 The cor. of secs. 9, 10, 15 and 16
Land, rolling
Soil, loam, 1st rate.
No timber.
Dense undergrowth. 80.08 chs.

N. 0° 2' W. bet. secs. 9 and 10.
Over rolling land, with dense artemisia
40.00 Set a Sandstone 12 x 12 x 5 ins. 9 ins. in the ground, for ¼ sec. cor. marked ¼ S. 9 on W. and 10 on E. faces: and raise a mound of stone 2 ft. base, 1½ ft. high, W. of Cor.
Pits impracticable.
80.00 Set a Sandstone 14 x 12 x 5 ins., 9 ins. in the ground, for Cor. of secs. 3, 4, 9 and 10, marked 5 notches on the S. and 3 notches on the E. edges: and raise a mound of stone, 2 ft. base, 1½ ft. high W. of Cor.
Pits impracticable.
Land rolling.
Soil, loam, 1st rate.
Dense undergrowth. 80.00 chs.
December 23, 1900

Subdivision of T. 33 S. R. 24 E. Continued

Chains	
	Dec 24: At 8 A.M. l.m.t. I set off 37°58' N on the lat. arc: 23°22' 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. ¼ sec. cor.
80.20	Intersect N. and S. line 3 lks. S. of Cor. of secs. 2, 3, 10 and 11. Thence I run S. 89°54' W. on a true line bet. secs. 3 and 10. Over rolling land, through dense artemisia
40.10	Set a sandstone 12×12×4 ins. 8 ins. in the ground, for ¼ sec. cor. Marked ¼ S. 3. on the N. and 10 on S. faces: and raise a mound of stone 2 ft. base, 1½ ft. high, N. of Cor. Pits impracticable.
80.20	The Cor. of secs. 3, 4, 9 and 10. Land, rolling. Soil, loam, 1st Rate. No timber. Dense undergrowth. 80.20 Chs.
	N. 0°2' W. on a random line bet. secs. 3 and 4.
40.00	Set temp. ¼ sec. cor.
80.10	Intersect N. bdy. of Tp. 5 lks. E. of Cor. of secs. 3, 4, 33 and 34. heretofore described. Thence I run S. 0°4' E. on a true line bet. secs. 3 and 4. Over rolling land through dense artemisia

Chains	
31.75	Road from Carlisle ranch to Dolores, bears N. 65° W. and S. 65° E.
40.10	Set a sandstone 24x14x6 ins, 18 ins. in the ground, for ¼ sec. cor. marked ¼ S. 4 on the W. and 3 on E. faces: and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of Cor. Pits impracticable.
80.10	The cor. of secs. 3, 4, 9 and 10. Land, rolling. Soil, loam, 1st Rate. No timber. Dense undergrowth 80.10 chs.

From the cor. of secs. 4, 5, 32 and 33 on the S. bdy. of the Tp. hereto fore described, I run N. 0° 3' W. bet. secs. 32 and 33. Over gradually descending land, through dense artimesia

36.00	Road from Monticello to Dolores, bears E. and W.
37.50	Wire fence, bears E. and W.
40.00	Set a sandstone 14x12x5 ins. 9 ins. in the ground, for ¼ sec. cor. marked ¼ S. 32 on the W. and 33 on E. faces: and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of Cor. Pits impracticable.
62.50	Dly run, chains S.E. ascend.
80.00	Set a sandstone 15x12x4 ins. 10 ins. in the ground, for cor. of secs. 28, 29, 32 and 33. marked with 1 notch on the S. and 4 on E. edges: and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of Cor. Pits impracticable. Land, sloping towards the N. Soil, stony and loam, 1st and 3rd Rate. No timber. Dense undergrowth. 80.00 chs.

Subdivision of T. 33 S., R. 24 E. Continued.

Chains	
	East on a random line bet. secs. 28 and 33.
40.00	Set temp. ¼ sec. cor.
79.56	Intersect N. and S. line 7 lks. S. of Cor. of secs. 27, 28, 33 and 34.
	Thence I run
	S. 89° 57' W. on a true line bet. secs. 28 and 33.
	Over rolling land, through dense artemisia.
39.93	Set a sandstone 18x12x8 ins. 12 ins in the ground for ¼ sec. cor., marked ¼ S. 28 on the N. and 33 on S. faces: and raise a mound of stone, 2 ft. base, 1½ ft. high, N. of Cor.
	Pits impracticable.
44.80	Road from Monticello to Dolores bears N. 40° E. and S. 40° W.
55.80	Enter cedar and pinion timber, bears N. and S.
60.75	Leave timber bears N. 50° W. and S. 50° E.
78.80	Wire fence, bears N. 10° W. and S. 10° E.
79.86	The cor. of secs. 28, 29, 32 and 33.
	Land rolling.
	Soil, loam, 1st Rate.
	Timber, Cedar and pinion
	Heavily timbered or dense undergrowth. 79.86 chs.
	Dec. 24: At this Cor. I set off 28° 24' W. on the decl. arc and at 12 M. l. m. t. observe the sun on the meridian: the resulting lat. is 37° 55' N.
	N. 0° 3' W. bet. secs. 28 and 29
	Over rolling land, through dense artemisia
4.20	Wire fence, bears N. 30° W. and S. 30° E.
16.00	Enter dense cedar and pinion timber, bears E. and W.

Subdivision of T. 33 S. R. 24 E. Cont.

Chains	
34.00	Leave Cedar and pinon timber, bears E. & W.
40.00	Set a sandstone, 14x12x6 ins. 10 ins. in the ground, for ¼ Sec. Cor. marked ¼ S. 29 on the W. and 25 on E. faces and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of Cor.
	Pits impracticable.
41.50	Enter scattering Cedar and pinon timber, bears E. and W.
44.00	Leave scattering timber, bears E. and W.
80.00	Set a sandstone 15x12x9 ins. 12 ins. in the ground, for Cor. of Secs. 20, 21, 28 & 29. marked with 2 notches the S. and 4 notches on the E. edges: and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of Cor.
	Pits impracticable.
	Land, rolling.
	Soil, loam, 1st Rate.
	Timber, Cedar and pinon.
	Heavily timbered or dense undergrowth 80.00 chs.
	N. 89°57' E. on a random line, bet. Secs. 21 and 25.
40.00	Set temp. ¼ Sec. Cor.
79.90	Intersect N. and S. line, 3 lks. N. of Cor. of Secs. 21, 22, 27 and 25.
	Thence I run
	S. 89°58' W. on a true line, bet. Secs. 21 and 25.
	Over rolling land through dense artemisia gradually descending.
3.50	Dry bed of Daga creek, bottom of Cañon 100 ft. deep. Course S. 30° E.
	Begin ascent
17.90	Top of sandstone ledges, 40 ft. high. bear N. 40° W. and S. 40° E.
39.95	Set a sandstone 15x12x7 ins. 12 ins.

Chains	
	the ground, for ¼ sec. cor. marked ¼ S. 21 on the N. and 28 on S. faces: and raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.
	Pits impracticable
79.90	The cor. of secs. 20, 21, 28 and 29.
	Land, rolling.
	Soil, stony and loam, 1st and 3rd. Rate.
	No timber.
	Dense undergrowth. 79.90 chs.
	N. 0° 3' W. bet. secs. 20 and 21.
	Over rolling land, through dense artemisia. Descend.
40.00	Set a sandstone 18 x 12 x 3 ins. 12 ins. in the ground for ¼ sec. cor. marked ¼ S. 20 on the W. and 21 on E. faces: and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
	Pits impracticable.
58.25	Draw chains N. 70° E. 40 ft. deep. Ascend.
80.00	Set a sandstone 15 x 12 x 3 ins. 10 ins. in the ground, for cor. of secs. 16, 17, 20 and 21, marked with 3 notches on the S. and 4 notches on E. edges: and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
	Pits impracticable.
	Land, rolling.
	Soil, loam, 1st Rate.
	Dense undergrowth 80.00 chs.
	N. 89° 58' E. on a random line, bet. secs. 16 and 21.
40.00	Set temp. ¼ sec. cor.
79.96	Intersect N. and S. line, 5 lks. W. of

Chains	
	the cor. of Secs. 15, 16, 21 and 22.
	Thence I run
	W. on a true line, bet. Secs. 16 and 21.
	Over rolling land, ascending through
	dense artemisia
39.98	Set a sandstone 21×16×3 ins. 16 ins.
	in the ground, for ¼ sec. cor. marked
	¼ S. 16 on the N. and 21 on S. faces and
	raise a mound of stone, 2 ft. base,
	1½ ft. high, N. of cor.
	Pits impracticable.
	Pat's Spring, bears S. about 30.00 chs.
43.00	Begin descent.
48.00	Dry bed of Eaga creek, bottom of Canon,
	Course S. 30° E. begin ascent.
79.96	The Cor. of Secs. 16, 17, 20 and 21.
	Land, rolling,
	Soil, stony and loam, 1st and 3rd Rate.
	No timber.
	Dense undergrowth, 79.96 chs.
	December 24, 1900.

Dec. 25: At 8 a.m. l.m.t. I set off 37° 56' N. on the lat. arc: 23° 20' S. on decl. arc: determine a true meridian with the solar, at the cor. of Secs. 16, 17, 20 and 21.

Thence I run

N. 0° 3' W. bet. Secs. 16 and 17.

Over rolling land, through dense artemisia descend.

28.75	Dry bed of Eaga creek, Course S.E. ascend.
33.00	Top of sandstone ledges, 20 ft. high, bear N.W. and S.E.
	Enter scattering cedar and pin on bears S.E. and N.W.
40.00	Set a sandstone 16×15×6 ins. 11 ins.
	in the ground for ¼ sec. cor. marked
	¼ S. 17 on the W. and 16 on E. faces.

Chains	
	and raise a mound of stone 2 ft. base, 1½ ft. high, W. of Cor. Pits impracticable.
75.00	Stake and rider fence. bears N. 10° E. and S. 10° W.
80.00	Set a sandstone 18 x 14 x 4 ins. 12 ins. in the ground, for cor. of Secs. 8, 9, 16 and 17. marked with 4 notches on the S. and 4 notches on E. edges: and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of Cor. Pits impracticable from the cor.
	A Cedar, 3 ins. diam. bears N. 80° E. 82 lks. dist. marked T. 33 S., R. 24 E., S. 9, B. T.
	A Cedar, 12 ins. diam. bears S. 77° E. 1.20 chs. dist. marked. T. 33 S., R. 24 E., S. 16, B. T.
	No other trees available.
	Land, rolling.
	Soil, stony and loam, 2nd and 3rd Rate.
	Timber, Cedar and pinion.
	Dense undergrowth 80.00 chs.
	E. on a random line bet. secs. 9 and 16.
40.00	Set temp. ¼ sec. cor.
79.90	Intersect N. and S. line, 5 lks. S. of Cor. of Secs. 9, 10, 15 and 16.
	Thence, I run
	S. 89° 58' W. on a true line bet. secs. 9 and 16.
	Over rolling land, descend through dense artemisia
19.25	Dean 30 ft. deep. drains S. ascend.
39.95	Set a sandstone 18 x 15 x 3 ins. 12 ins. in the ground, for ¼ sec. cor. marked ¼ S. 9 on the N. and 16 on S. faces and raise a mound of stone, 2 ft. base, 1½ ft. high, N. of Cor. Pits impracticable

Subdivision of T. 33 S. R. 24 E. Continued

Chains	
70.95	Top of ridge, bears N. and S. begin descent
75.00	Enter scattering cedar and pinon, bears N. and S.
79.80	Stake and mdir. fence, bears N. 10 E. and S. 10 W.
	Leave timber, bears N. and S.
79.90	The cor. of secs. 8, 9, 16 and 17.
	Land, rolling.
	Soil, stony and loam, 2nd and 3rd Rate.
	Timber, cedar and pinon,
	Dense undergrowth. 79.90 chs.

N. 0°3' W. bet. secs. 8 and 9.
Open rocky soil, descend through dense artemisia and scattering cedar and pinion.

2.00	Leave timber, bears N.E. and S.W.
20.00	Log house of Welsh Bailey, bears W. 11 chs.
34.00	Enter cultivated land, bears N.E. and S.W.
40.00	Set a sandstone 20 x 16 x 5 ins. 15 ins. in the ground, for ¼ sec. cor. marked ¼ S. 8 on W. and 9 on E. faces: and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor. Pits impracticable.
61.25	Leave cultivated ground, wire fence, bears N. 40° W. and S. 40° E. begin ascent.
80.00	Set a sandstone 14 x 13 x 3 ins. 10 ins. in the ground, for cor. of secs. 4, 5, 8 and 9, marked with 5 notches on S., and 4 notches on E. edges: and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
52.75 / 27.25	Pits impracticable
	Land, rolling.
	Soil, stony and loam, 1st and 3rd Rate.
	Timber, cedar and pinion.
	Dense undergrowth. 52.75 chs.

Subdivision of T. 33 S. R. 24 E. Continued

Chains	
	N. 89°58' E. on a random line bet. secs. 4 and 9.
40.00	Set temp. ¼ sec. cor.
80.06	Intersect N. and S. line 3 lks. S. of cor. of secs. 3, 4, 9 and 10.
	Thence I run
	S. 89°57' W. on a true line bet. secs. 4 and 9.
	Over rolling land, through dense artemisia
40.03	Set a sandstone 14x12x3 ins., 9 ins. in the ground, for ¼ sec. cor., marked ¼ S. 4 on the N. and 9 on S. faces: and raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.
	Pits impracticable
80.06	The cor. of secs. 4, 5, 8 and 9.
	Land, rolling.
	Soil, loam 2nd Rate.
	No timber.
	Dense undergrowth. 80.06 chs.
	Dec. 25: At this cor. I set off 23°23' S. on the decl. arc, and at 12 M. l. m. t. observe the sun on the meridian, the resulting lat. is 37°58' N.
	N. 03 W. on a random line bet. secs. 4 and 5.
40.00	Set temp. ¼ sec. cor.
80.04	Intersect N. bdy. of Tp. 5 lks. E. of cor. of secs. 4, 5, 32 and 33.
	Heretofore described.
	Thence I run
	S. 0°56' E. on a true line bet. secs. 4 and 5.
	Over rolling land, through dense artemisia

Subdivision of T. 33 S. R. 24 E. Con

Chains	
16.95	Road from Carlisle's ranch to Dolores, bears N. 65 W. and S. 65 E.
40.04	Set a cedar post, 3 ft. long, 3 ins. sq. with marked stone, 24 ins. in the ground for ¼ sec. cor. marked ¼ S. 5, on the W. and 4 on E. faces; dig pits 18 x 18 x 12 ins. N. and S. of post, 3 ft. dist.; and raise a mound of earth, 3½ ft. base, 1½ ft. high W. of Cor.
80.04	The Cor. of secs. 4, 5, 8 and 9. Land rolling. Soil, loam, 2nd Rate. No timber. Dense undergrowth. 80.04 chs.
	From the Cor. of secs. 5, 6, 31 and 32, on the S. bdy. of the Tp. heretofore described, I run N. 0° 30' W. bet. secs. 31 and 32. Our rolling land descend through dense artemisia
5.00	Dry wash, 16 ft. deep, 8 ft. wide. Course N. E. ascend.
6.50	Pole fence, bears N. 70° W. and S. 70° E. descend
13.60	Dry bed of North Montezuma Creek and Canon, 30 ft. deep. Course S. 70° E. begin ascent.
31.00	Brush fence, bears E. and W.
40.00	Set a sandstone 16 x 12 x 3 ins. 11 ins. in the ground, for ¼ sec. cor. marked ¼ S. 31 on the W. and 32 on E. faces; and raise a mound of stone, 2 ft. base, 1½ ft. high W. of Cor. Pits impracticable. Begin descent.
51.30	Road from Monticello to Dolores bears E. and W.
51.60	Wire fence bears E. and W. Enter cultivated land, bears E. and W.

Subdivision of T. 33 S. R. 24 E. Continued

Chains	
65.00	Leave cultivated land, bears E. and W.
77.00	Enter cultivated land, bears E. and W.
80.00	Set a sandstone 20 x 15 x 8 ins. 15 ins. in the ground, for Cor. of Secs. 29, 30, 31 and 32, marked with 1 notch on the S. and 5 notches on E. edges: and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
51.30 / 28.70	Pits impracticable.
	Land, rolling.
	Soil, gravel and loam, 1st and 3rd Rate.
	Dense undergrowth 51.30 chs.
	E. on a random line bet. Secs. 29 and 32.
40.00	Set temp. ¼ Sec. Cor.
80.00	Intersect N. and S. line, 5 lks. S. of Cor of Secs. 28, 29, 32 and 33. Thence I run S. 89° 55' W. on a true line bet. Secs. 29 and 32. Over rolling land, through dense artemisia, ascend.
1.00	Dry wash, 6 ft. deep, 5 ft. wide Course S. W.
14.70	Enter cultivated ground bears N. 30° E. and S. 30° W.
19.70	Leave cultivated ground, bears N. 30° E. and S. 30° W.
40.00	Set a sandstone 16 x 13 x 7 ins. 11 ins. in the ground, for ¼ Sec. Cor. marked ¼ S. 29 on the N. and 32 on S. faces: and raise a mound of stone, 2 ft. base, 1½ ft. high, N. of Cor.
	Pits impracticable.
46.00	Begin gradual descent.

Subdivision of T. 33 S. R. 24 E. Continued

Chains	
62.75	Wire fence, bears N. and S.
78.00	Enter cultivated land, bears N. and S.
80.00	The cor. of secs. 29, 30, 31 and 32.
	Land, rolling
7290 / 7.10	Soil, loam 1st Rate.
	No timber
	Dense undergrowth 72.90 chs.
	W. on a random line bet. secs. 30 and 31
40.00	Set temp. ¼ sec. cor.
78.00	To pass log stable, I offset 15 lks. S.
78.79	Intersect Colorado Guide Meridian at cor. of secs. 25, 30, 31 and 36. which is a witness Cor. for 15 lks. S. of true point for cor. Thence I run E. on offset line.
20	E. end of Chas Waltons log stable 40x16 ft. bears E. and W. I offset 15 lks. N. and run E. on a true line bet. secs. 30 and 31. Over cultivated ground.
38.60	Road to Bailey's ranch, bears N.
38.79	Set a sandstone 14x10x8 ins. 10 ins. in the ground, for ¼ sec. cor. marked ¼ S. 30 on N. and 31 on S. faces: and raise a mound of stone, 2 ft. base, 1½ ft. high, N. of Cor. Pits, impracticable. Leave cultivated land, bears N. and S. enter dense artemisia
58.80	Enter scattering cedar and pinion timber bears N. W. and S. E.
65.70	Leave timber, enter cultivated land bears N. E. and S. W.
71.70	Wash, 6 ft. deep, 6 ft. wide, drains N. E.
78.79	The cor. of secs. 29, 30, 31 and 32.
2001 / 58.78	Land, gently rolling. Soil, loam, 1st Rate Timber, Cedar and pinion. Dense undergrowth 20.01 chs.

Chains	
	N. 0°3' W. bet. secs. 29 and 30.
	Over rolling cultivated ground.
4.50	Wash drains E. 6 ft. wide, 6 ft. deep.
40.00	Set a Cedar post, 3 ft. long 3 ins. sq. with marked stone, 24 ins. in the ground, for ¼ sec. cor. marked ¼ S. 30 on W. and 29 on E. faces: dig pits 18×18×12 ins. N. and S. of post, 3 ft. dist, and raise a mound of earth 3½ ft. base, 1½ ft. high. W. of cor.
	Pits impracticable.
63.25	Road from Monticello to Nephi Bailey's ranch bears N. 40° E. and S. 40° W.
80.00	Set a Sandstone 15×10×6 ins. 10 ins. in the ground, for cor. of secs. 19, 20, 29 and 30, marked with 2 notches on the S. and 5 notches on E. edges: and raise a mound of stone 2 ft. base, 1½ ft. high W. of Cor.
	Pits impracticable
	Land rolling.
	Soil rich loam, 1st. Rate.
	No timber.
	December 25, 1900

Dec. 26: At 8 A.M., L.m.t. I set off 37°56' on the lat. arc, 23°18' S. 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

N. 89°58' E. on a random line bet. secs. 20 and 29.

40.00	Set a temp. ¼ sec. cor.
80.02	Intersect N. and S. line 2 links N. of the cor. of secs. 20, 21, 28 and 29.

Thence I run

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

Subdivision of T. 33 S. R. 24 E. Continued

Chains	
	Over rolling land through dense artemisia, descending.
23.50	Enter heavy timber, bears N. and S.
34.00	Leave timber, bears N. 40° W. and S. 40° E.
40.01	Set a Sandstone 16x12x3 ins, 11 ins. in the ground, for ¼ sec. Cor., marked ¼ S. 20 on N. and 29 on S. faces: and raise a mound of stone, 2 ft. base, 1½ ft. high, N. of Cor.
	Hills impracticable, begin ascent.
48.00	Enter scattering Cedar, bears N. and S.
60.00	Brush fence, bears N. 40° W. and S. 40° E.
69.00	Spur, projects S. E. leave scattering Cedars, bear N. W. and S. E. descend.
70.00	Road from Monticello to Nephi Bailey's ranch, bears N. 30° E. and S. 30° W.
72.75	Wash, drains S.E. 6 ft. wide and 6 ft. deep.
80.02	The Cor. of secs. 19, 20, 29 and 30.
	Land rolling.
69/1.00	Soil, stony and loam. 2nd and 3rd Rate. Timber Cedar and pinon. Dense undergrowth and heavily timbered 69.00 chs.
	W. on a random line, bet. secs. 19 and 30.
40.00	Set a temp ¼ sec. Cor.
78.68	Intersect Colorado Guide Meridian, 5 links S. of the Cor. of secs. 19, 24, 25 and 30. heretofore described.
	Thence I run
	S. 89° 58' E. on a true line bet. secs. 19 and 30.
	Over rolling country through timber
6.00	Leave timbered land, bears N. and S.
7.00	Wash, 3 ft. wide, 3 ft. deep, drains N. E.
29.00	Brush fence, bears N. 70° E. and S. 70° W.
31.00	Wood road, bears N. 70° E. and S. 70° W.

Subdivision of T. 33 S. R. 24 E. Continued

Chains	
32.00	Enter cultivated ground, bears N. 80° E. and S. 80° W.
38.68	Set a Sandstone 19x10x5 ins. 12 ins. in the ground for ¼ sec. cor. marked ¼ S. 19 on N. and 30 on S. faces: and raise a mound of stone, 2 ft. base, 1½ ft. high. N. of Cor. Pits impracticable.
58.60	Wire fence, bears N. and S.
71.70	Wash 4 ft. deep 3 ft. wide drains N. E.
73.90	Leave cultivated land, bears N. 80° E. and S. 80° W. enter dense artemisia
78.68	The cor. of secs. 19, 20, 29 and 30. Land rolling.
10.78 / 67.90	Soil stony and loam, 1st and 3rd Rate. Timber, Cedar and pinion. Dense undergrowth and heavy timber. 10.78 Chs.
	N. 0° 3' W. bet. secs. 19 and 20 Over rolling land, under cultivation, ascend.
4.25	Wash, 8 ft wide, 10 ft deep, drains E.
9.75	Brush fence, bears E. and W. leave cultivated ground enter heavy Cedar timber.
20.00	Top of Span, projects S. E. descend.
22.25	Leave heavy timber enter scattering timber.
40.00	Set a Cedar post, 3 ft. long, 3 ins. sq., 24 ins. in the ground, for ¼ Sec. Cor. marked ¼ S. 19 on W. and 20 on E. faces; from which A cedar, 12 ins. bears N. 54° E. 1.30 chs. dist. marked ¼ S. 20. B. T. A cedar, 18 ins. diam. bears S. 53° W. 92 lks. dist. marked ¼ S. 19 B. T.
42.00	Leave scattering timber enter

Subdivision of T. 33 S. R. 24 E. Continued

Chains	
	heavy timber.
80.00	Set a cedar post, 3 ft. long, 3 ins. sq. 24 ins. in the ground, for cor. of secs. 17, 18, 19 and 20, marked T. 33 S., S. 17 on N. E. R. 24 E. S. 20 on S. E. S. 19 on S. W., and S. 18 on N. W. faces: with 3 notches on the S. and 5 notches on E. edges: from which
56.50 / 24.50	
	A pinion, 8 ins. diam., bears N. 37° W. 25 lks. dist., marked, T. 33 S. R. 24 E., S. 18. B. T.
	A pinion, 8 ins. diam., bears S. 63° W. 30 lks. dist., marked, T. 33 S. R. 24 E. S. 19, B. T.
	A pinion, 8 ins. diam., bears N. 32° E. 15 lks. dist., marked, T. 33 S. R. 24 E. S. 17, B. T.
	A cedar, 10 ins. diam., bears S. 60° E. 30 lks. dist., marked T. 33 S. R. 24 E. S. 20. B. T.
	Land, rolling.
	Soil loam, 1st and 2nd Rate.
	Timber, cedar and pin on
	Heavily timbered 50.50 Chs.
	N. 89° 59' E. on a random line bet. secs. 17 and 20
40.00	Set temp. ¼ sec. cor.
80.06	Intersect N. and S. line, 3 lks. N. of Cor. of secs. 16, 17, 20 and 21.
	Thence I run W. on a true line bet. secs. 17 and 20
	Over rolling land and dense Sage.
32.00	Road to Bailey's ranch bears N. and S.
40.03	Set a Sand stone 15 x 12 x 3 ins. 10 ins. in the ground, for ¼ sec. cor.

Subdivision of T. 33 S. R. 24 E. Continued

Chains	
	Marked ¼ S. 17. on N. and 20. on S. faces:
	And raise a mound of stone, 2 ft.
	base, 1½ ft. high, N. of cor.
	Pits impracticable.
42.00	Enter scattering timber, bears N. and S.
62.00	Enter heavy timber, bears N. and S.
80.06	The cor. of secs. 17, 18, 19 and 20.
	Land, rolling.
	Soil, loam. 2nd Rate.
	Timber, cedar and pinon.
	Heavily timbered or dense undergrowth. 80.06 chs.
	N. 89° 58' W. on a random line,
	bet. secs. 18 and 19.
40.00	Set temp. ¼ sec. cor.
78.61	Intersect Colorado Guide Meridian, 5 lks.
	N. of the cor. of secs. 13, 18, 19 and 24.
	Heretofore described.
	Thence I run,
	East, on a true line, bet. secs. 18 and 19.
	Over rolling land, through dense artemisia
1.50	Wash, 12 ft. deep, 8 ft. wide, course S. E.
12.00	Enter heavy timber, bears N. and S.
38.61	Set a sandstone, 15 x 15 x 6 ins.; 10 ins. in
	the ground, for ¼ sec. cor., marked ¼ S.
	18. on N. and 19 on S. faces;
	from which
	A pinon, 12 ins. diam., bears S. 40° W., 12
	lks. dist. marked ¼ S. 19. B. T.
	A pinon, 10 ins. diam., bears N. 60° E., 22
	lks. dist. marked ¼ S. 18. B. T.
56.00	Leave timber, bears N. and S.
76.50	Enter heavy timber, bears N. W. and S. E.
78.61	The cor. of secs. 17, 18, 19 and 20.
	Land, rolling.
	Soil, loam. 2nd Rate.
	Timber, cedar and pinon.
	Heavily timbered, or dense undergrowth. 78.61 chs.

Subdivision of T. 33 S. R. 24 E. Continued

Chains	
	December 26: At this cor. I set off 23° 21' S. on the decl. arc: and at 12 01 p.m. L.M.T. observe the sun on the meridian. The resulting lat. is 37° 56' N.
	N. 0° 3' W. bet. secs. 17 and 18. Over rolling land, descend through heavy timber.
11.00	Leave heavy timber, bears N.E. and S.W., enter scattering timber and dense artemisia
40.00	Set a cedar post, 3 ft. long, 3 ins. sq., with marked stone, 24 ins. in the ground, for ¼ sec. cor., marked ¼ S. 18. on W. and 17. on E. faces: dig pits 18 x 18 x 12 ins., N. and S. of post, 3 ft. dist., and raise a mound of earth, 3½ ft. base, 1½ ft. high, W. of cor.
52.00	Bottom of ravine, 50 ft. deep. Course S.E. Ascend.
57.00	Sandstone ledges, 15 ft. high, bear N.W. and S.E.
75.00	Leave timber, bears E. and W.
80.00	Set a sandstone, 15 x 6 x 6 ins., 10 ins. in the ground, for cor. of secs. 7, 8, 17 and 18, marked with 4 notches on S. and 5 notches on E. edges: and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor. Pits impracticable. Land, rolling. Soil, stony and loam, 2nd and 3rd Rate. Timber, cedar and pinon. Heavily timbered or dense undergrowth. 80.00 chs.
	East, on a random line, bet. secs. 8 and 17.
40.00	Set temp. ¼ sec. cor.

Subdivision of T. 33 S. R. 24 E. continued

Chains	
80.08	Intersect N. and S. line, 5 lks. S. of the cor. of secs. 8, 9, 16 and 17.
	Thence I run
	S. 89° 58' W. on a true line,
	bet. secs. 8 and 17.
	Over rolling land, descend through dense artemisia
4.00	Enter cultivated land, bears N. and S.
7.00	Dry bed of Saga Creek, course S. ascend.
11.00	Leave cultivated land, bears N. and S.
	Irrigating ditch, course S.
12.35	Road to Bailey's ranch, bears N. and S.
	From this point log house of Stephi
	Bailey, bears N. about 20.00 chs.
	Descend.
17.75	Wire fence, bears N. 17° E. and S. 17° W.
20.50	Bottom of ravine, 50 ft. deep, course S.
	Ascend.
40.04	Set a sandstone, 30 x 26 x 6 ins., 22 ins. in the ground, for ¼ sec. cor., marked ¼ S. 8 on N. and 17 on S. faces; and raise a mound of stone, 2 ft. base, 1½ ft. high. N. of cor. Pits impracticable.
	From the cor. a lone cedar, 4 ins. diam., bears S. 62 W. 37 lks. dist. marked ¼ S. 17. 73. T.
73.00	Enter scattering timber
80.08	The cor. of secs. 7, 8, 17 and 18.
	Land, rolling.
73.08/80	Soil, loam and stony, 1st, 2nd and 3rd Rate.
	Timber, cedar and pinon.
	Dense undergrowth. 73.08 chs.
	West, on a random line,
	bet. secs. 7 and 18.
40.00	Set temp. ¼ sec. cor.
78.50	Intersect Colorado Guide Meridian, 5 lks. N. of cor. of secs. 7, 12, 13 and 18.
	Heretofore described.

Chains	
	Thence I run
	N. 89° 58' E. on a true line,
	bet. secs. 7 and 18.
	Over rolling land, through scattering
	timber and dense artemisia
5.00	Enter heavy timber, bears N. E. and S. W.
19.00	Leave timber, bears N. E. and S. W.
38.50	Set a cedar post, 3 ft. long, 3 ins. sq. with
	marked stone, 24 ins. in the ground,
	for ¼ sec. cor. marked ¼ S. 7 on N. and 18
	on S. faces: dig pits 18 x 18 x 12 ins. E. and W.
	of post, 3 ft. dist., and raise a mound of
	earth, 3½ ft. base, 1½ ft. high, N. of cor.
48.00	Enter heavy timber, bears N. and S.
50.00	Leave timber, bears N. and S.
60.00	Enter heavy timber, bears N. and S.
66.00	Leave heavy timber, bears N. 10° W. and S. 10° E.
	Enter scattering timber.
78.50	The cor. of secs. 7, 8, 17 and 18.
	Land, rolling
	Soil, loam, 2nd Rate.
	Timber, cedar and pinion.
	Heavily timbered or dense
	undergrowth. 78.50 chs.

	N. 0° 3' W. bet. secs. 7 and 8.
	Over rolling land, descend through
	dense artemisia
40.00	Set a sandstone, 14 x 6 x 6 ins., 10 ins. in
	the ground, for ¼ sec. cor. marked ¼ S. 7
	on the N. and S. on E. faces: and raise a
	mound of stone, 2 ft. base, 1½ ft. high,
	N. of cor. Pits impracticable.
51.00	Bottom of ravine, 40 ft. deep. Course
	S. E. Ascend.
80.00	Set a sandstone, 12 x 12 x 5 ins., 8 ins. in
	the ground, for cor. of secs. 5, 6, 7 and 8
	marked with 5 notches on the E. and S.

Subdivision of T. 33 S. R. 24 E. Continued.

Chains	
	edges: and raise a mound of stone. 2 ft. base, 1½ ft. high, W. of cor. Pits impracticable. Land, rolling. Soil, loam, 1st and 2nd Rate. No timber. Dense undergrowth. 80.00 chs. December 26. 1900
	December 27: At 8 A.M. l. m. t. I set off 37°58' W. on the lat. arc: 23°16' S. on the decl. arc: and determine a true meridian, with the solar, at the Cor. of secs. 5, 6, 7 and 8. Thence I run W. 89°58' E. on a random line, bet. secs. 5 and 8.
40.00	Set temp. ¼ sec. cor.
80.10	Intersect W. and S. line, 7 lks. W. of the Cor. of secs. 4, 5, 8 and 9. Thence I run W. 89°59' W. on a true line, bet. secs. 5 and 8. Over rolling land, descend through dense artemisia
20.00	Sandstone ledges. 20 ft. high, bear N. W. and S. E. descend.
22.00	Dry bed of Eaga Creek, Course S. E. Ascend.
40.05	Set a Sandstone, 12×12×4 ins., 8 ins. in the ground, for ¼ sec. cor., marked ¼ S. 5 on the W. and 8. on S. faces: and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of Cor. Pits impracticable.
80.10	The cor. of secs. 5, 6, 7 and 8. Land, rolling. Soil, stony and loam, 1st and 3rd Rate. No timber. Dense undergrowth 80.10 chs.

Subdivision of T. 33 S. R. 24 E. Continued

Chains	
	S. 89° 58' W. on a random line.
	bet. secs. 6 and 7.
40.00	Set temp. ¼ sec. cor.
78.41	Intersect Colorado Guide Meridian
	7 lks. S. of cor. of secs. 1, 6, 7 and 12.
	heretofore described.
	Thence I run
	S. 89° 59' E. on a true line.
	bet. secs. 6 and 7.
	Over rolling land, through dense artemisia
38.41	Set a sandstone, 14×10×5 ins., 10 ins. in
	the ground, for ¼ sec. cor., marked ¼ S. 6.
	on the N. and 7. on S. faces: and raise
	a mound of stone, 2 ft. base, 1½ ft. high,
	N. of cor. Pits impracticable.
78.41	The cor. of secs. 5, 6, 7 and 8.
	Land, rolling.
	Soil, loam, 2nd Rate.
	No timber.
	Dense undergrowth 78.41 chs.
	N. 0° 3' W. on a random line,
	bet. secs. 5 and 6.
40.00	Set temp. ¼ sec. cor.
80.00	Intersect N. bdy. of Tp., 3 lks. E.
	of Cor. of secs. 5, 6, 31 and 32.
	heretofore described.
	Thence I run
	S. 0° 4' E. on a true line,
	bet. secs. 5 and 6.
	Over rolling land, descend through
	scattering timber and dense artemisia
5.00	Leave timber, bears E. and W.
7.40	Road from Carlisle's ranch to Dolores,
	bears N. 65° W. and S. 65° E.
12.00	Dry bed of Eaga Creek, Course S. E.
	Ascend gradually.
40.00	Set a sandstone, 18×15×3 ins., 12 ins. in

Subdivision of T. 33 S. R. 24 E. Concluded.

Chains

the ground, for ¼ Sec. Cor., marked ¼ S. 6, on the W. and 5 on E. faces; and raise a mound of stone 2 ft. base, 1½ ft. high, W. of Cor. Pits impracticable.

80.00 The Cor. of Secs. 5, 6, 7 and 8.
Land, rolling.
Soil, gravel and loam, 2nd and 3rd Rate.
Timber, Cedar and pinion.
Dense undergrowth. 80.00 Chs.

December 27, 1900.

General Description.

This township may be classed as undulating prairie, and the soil is of different qualities of loam.
The soil of the bottom land, and all other low ground is a rich black loam, capable of producing abundant crops without irrigation.
The soil of the higher ground, with the exception of the banks of the Saga Canon, where sandstone predominates, is an inferior quality of loam, but will produce crops without irrigation.
All the land not under cultivation or heavily timbered, is covered with a rank growth of Artemisia.
This growth ranging from 2 to 4 ft. in height, its height being regulated by the quality of the soil.
Cedar and pinion, the only timber growing here, is found in the western and eastern portions of the township.
The township is watered by the North Montezuma Creek, which runs through the south portion, and by seepage along the Saga Canon.

General Description of T. 33 S. R. 24 E. Concluded

The only spring is Pat's spring, in the N. E. ¼ Sec. 21.
All the land in this township is good grazing land.
There are no indications of mineral in this township.
Settlers:—
Hiphi Bailey is located in the S. E. ¼ Sec. 8.
Land under cultivation, about 50.00 acres.
Value of improvements about 1500 $.
C. C. Walton Jr., John A. Rogusson, F. J. Jones and about 10 others, all residents of Monticello, are joint owners of a cultivated field, which covers Sec. 30 and part of Secs. 19, 20, 29, 31 and 32.
Land under cultivation about 700 acres.

Hubert D. Page, U.S. Deputy Surveyor. Compass man for James M. Lentz, U.S. Deputy Surveyor.

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

Hubert D. Page
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 Hubert D Page Deputy Surveyor Compassman for James McLentz, 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 T. 33 S., R. 24 E. of the Salt Lake base & Meridian in the State of Utah, showing the respective capacities in which they acted:

John E Rogerson, *Chainman.*
John Baker, *Chainman.*
Heber Christensen, *Moundman.*
, *Moundman.*
Julius Hoyinghoff, *Axman.*
, *Axman.*
George Dalton, *Flagman.*

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted Hubert D Page U.S. Deputy Surveyor Compassman for James McLentz, United States Deputy Surveyor, in surveying all those parts or portions of the Subdivision lines of T. 33 S., R. 24 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.

John E. Rogerson, *Chainman.*
John Baker, *Chainman.*
Heber Christensen, *Moundman.*
, *Moundman.*
Julius Hoyinghoff, *Axman.*
, *Axman.*
George Dalton, *Flagman.*

Subscribed and sworn to before me this 17th day of January, 1901

Hubert D Page
U.S. Deputy Surveyor

SEAL

6—151

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

Hubert D. Page U.S. Deputy Surveyor Compassman for James M. Lentz, United States Deputy Surveyor, d solemnly swear that, in pursuance of a contract received from Jacob B. Blair United States Surveyor General for the District of Utah, bearing date of th 14th day of March 1900, 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 District of Utah, the Manual of Surveying Instructions, and the laws of th United States, surveyed all those parts or portions of the subdivision lines of Tp 33 S R 24 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 solemnl swear that all the corners of said survey have been established and perpetuated in strict accordance wit the Manual of Surveying Instructions, and the special written instructions of the United States Surveyo General for the District of Utah and in the specific manner described in the field notes, and th the foregoing are the original field notes of such survey; and should any fraud be detected, I will suff the penalty of perjury under the provisions of an Act of Congress approved August 8, 1846.

Hubert D. Page U.S. Deputy Surveyor Compassman for James M. Lentz
United States Deputy Surveyo

Subscribed by said Hubert D. Page, and sworn to before me this 25th day of May 1901, 189

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

SEAL

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, June 14 1902, 189

The foregoing field notes of the survey of the subdivision lines of Tp 33 S. R 24 E. of the Salt Lake Base & Meridian, Utah

executed by Hubert D. Page U.S. Deputy Surveyor Compassman for James M. Lentz U.S. Deputy Surveyor under his contract No. 208, dated March 14 1900, 189 , having bee critically examined, and the necessary corrections and explanations made, the said field notes, and th surveys they describe, are hereby approved.

Edward H. Anderson
United States Surveyor 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

8-512

4—679.

E.B.L.

D.

BOOK A-280

FIELD NOTES

OF THE Re SURVEY OF THE

North,

South and West

Boundaries

of

Township 33 South,

Range No. 23 East.

Of the Salt Lake Base and Meridian,

In the State of Utah

AS SURVEYED BY

Hubert D. Page, U.S. Deputy Surveyor compass man

for James M. Lentz, United States Deputy Surveyor,

Under his Contract No. 238, dated March 14th, 1900

Survey commenced December 28th, 1900

Survey completed December 31st, 1900

6—151

	m. chs. lks.	
S- Bdry- high	5-78-88 ✓	
W- " "	6-00-00 ✓	Low
N- " "	5-24-84 ✓	53-45 ✓
	5-78-29	

17 23-72

NAMES AND DUTIES OF ASSISTANTS.

John Baker	Chainman
Harvey D. Heist	"
Heber Christensen	Mound man
Julius Hovinghoff	Atman
George Dalton	Flagman

For preliminary affidavits see book B. Tp. 33 S. R. 24 E.

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BOOK A-280

INDEX DIAGRAM.

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

Meanders Page.....

6—101

PRELIMINARY OATHS OF ASSISTANTS.

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

_____, *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
_____

_____, *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

_____

_____

Resurvey of the South boundary of T. 33 S., R. 23 E.

The reëstablishment of the cor. of T. 33 S. 34 S. Rs 23 S. 24 E. as well as the bad condition in which the cors. were found

Makes it necessary to resurvey the boundaries of this township

Survey Commenced.

December 28th 1900.

and executed with the instrument described in book A. of this survey.

At the cor. of T. 33 S. 34 S., Rs. 23 S. 24 E.

Lat. 37°53'51" N. Long. 109°22'35" W.

Established by me. Dec. 16th

At 4 p.m. l.m.t., I set off 37°54' N. on lat. arc; 23°12' S. on decl. arc, and determine a true meridian with the solar. which falls 0.3 ins. E. of the mark on the rock 5 chs. N. of this cor. set by observation on Polaris made Dec. 14th 1900. and recorded in book A. of this survey.

1900

Dec 29th 1900

At 8 a.m. l.m.t., I set off 37°54' N. on lat. arc: 23°10' S. on decl. arc; and determine a true meridian with the solar, which falls 0.3 ins. W. of the mark on the rock 5 chs N. of the cor. of T. 33 S. 34 S. Rs. 23 S. 24 E. set by Polaris observation made Dec. 14th 1900. and recorded in Book A of this survey.

Resurvey of the South bdy. T.33 S., R.23 E., Continued

Chains	
	The polar Apparatus, by p. m. and a. m. observations, defines position for true meridian, about 16" E. of N. of true meridian, established by Polaris observation, therefore, I conclude the adjustments of the instrument are satisfactory.
	The magnetic bearing of the true meridian at 8 a.m. is N. 15° 05' W. The angle thus determined, reduced by the table, page 100 gives the mean mag. dec. 15° 03' E.
	I begin at the cor. of T. 33 and 34 S., R. 23 and 24 E.
	Thence Run
	West
	bet. secs. 1 and 36
	ascending over rolling land, through dense artemisia and oak brush.
2 32.50	Bottom of ravine, 100 ft deep, course N. 20° E. enter heavy cedar and pinon timber N. and S.
40.00	set a sand stone 14 x 14 x 5 ins. 10 ins. in the ground, for reestablished 1/4 sec. cor. marked 1/4 S 36 on N. 1 on S. faces.
	From which a cedar 30 ins. in diam. bears S. 50° W. 15 lks dist. marked 1/4 S 1 B.T.
	A pine 16 ins. in diam. bears N. 40° W. 40 lks. dist. marked 1/4 S. 36 B.T.
	After diligent search no trace of the old 1/4 sec. cor. can be found.
43.00	Leave timber, bears N. and S.
74.00	South fork of the North fork of Montezuma Creek 5 lks wide 3 ins. deep, course N. 85° E. and Bottom of cañon 200 ft deep.
77.10	Wood road bears N. E. and S. W.

Resurvey of the South bdy. T.33 S., R.23 E. continued

Chains	
80.00	set a sandstone 14x8x6 ins., 10 ins. in the ground for reestablished cor. of secs. 1, 2, 35 and 36. Marked with 1 notch on the E. and 5 notches on the W. edges. Raised a mound of stone 2 ft. base, 1½ ft. high W. of cor. Pits impracticable After diligent search no trace of the old sec. cor. can be found. Land, broken. Soil, stony loam and clay 2nd and 3rd rate. Timber, Cedar and pinion. Dense, ending south 80.00 chs.
	Thence Set. secs. 2 and 35 Ascending over rolling sand, through dense artemisia, oak and serviceberry brush.
1.60	Stake in rider fence N. 75° E. and S. 75° W.
6.50	Irrigation ditch, bears N.E. and S.W.
8.00	Enter dead and fallen timber, bears N. and S.
20.00	Leave timber, bears N. and S.
32.00	Enter scattering cedar timber bears N. and S.
40.00	set a sandstone 18x13x4 ins. in mound of stone for reestablished 1/4 sec. cor. Marked 1/4 S. 35 on N. & on S. faces, raised a mound of stone 2 ft. base, 1½ ft. high N. of cor. Pits impracticable After diligent search no trace of old 1/4 sec. cor. can be found.
48.00	Spur, projects S.E.
57.50	Bottom of ravine 15 ft deep, drains S.E.

Resurvey of the South bdy. of T. 33 S., R. 23 E. continued

Chains	
80.00	Set a sandstone 16 x 10 x 9 ins. 11 ins. in the ground, for reestablished cor. of secs. 2, 3, 34 and 35. I marked with 2 notches on the E. and 4 notches on the N. edges. From which a cedar 10 ins. in diam. bears N. 75° E. 120 lks dist. marked T. 33 S., R. 23 E., S. 35 B.T. a cedar 6 ins. in diam. bears S. 60° E. 80 lks. dist. marked T. 34 S., R. 23 E., S. 2. B.T. No other suitable trees within limits. After diligent search no trace of the old sec. cor. can be found. Land, broken, Soil, stony 2nd and 3rd rate. Timber, Cedar and pinon Dense undergrowth 80.00 chs.
	West. bet. secs. 3 and 34 ascending over broken land, through dense sage, oak and service berry brush. and scattering cedar and pinon timber.
13.00	Bottom of Ravine, 75 ft deep drains N. 20 E.
40.00	Set a sandstone 20 x 18 x 10 ins., in a mound of stone, for reestablished 1/4 sec. cor. marked 1/4 S. 34 on N. 3 on S. faces, raised a mound of stone 2 ft. base, 1 1/2 ft. high. No pits. Pits impracticable. The old 1/4 sec. cor. which is a sandstone 16 x 14 x 9 ins. marked 1/4 lying loose on the ground, bears S. 53° W. 3.10 chs. dist. I destroy all trace of the old cor.

Resurvey of the South bdy. of T. 33 S., R. 23 E. Continued.

Chains.	
80.00	Set a sandstone 14x12x8 ins. 10 ins. in the ground, for reëstablished Cor. of secs. 3, 4, 33 and 34. Marked, with 3 notches on the E. and W. edges, raised a mound of stone 2 ft. base 1½ ft. high W. of Cor. Pits impracticable, After diligent search no trace of the old sec. cor. can be found. Land, broken Soil, stony loam 3rd and 4th rate Timber, scattering pine, cedar and pinon Dense undergrowth 80.00 chs.
	West Between secs. 4 and 33. Ascending over broken land, through Dense artemisia, oak and Serviceberry brush.
7.00	Enter Large pine timber very scattering bears. N.E. and S.W.
17.00	Bottom of ravine, 6 ft. deep. drains N.E.
40.00	Set a sandstone 14x10x5 ins. 10 ins. in the ground, for reëstablished 1/4 sec. cor. marked 1/4 S. 33 on N. 4 on S. faces from which a pine 14 ins. in diam. bears S 85° E. 1.45 chs. dist. marked 1/4 S 4 B.T. The old 1/4 sec. cor. which is a sandstone 14x12x5 ins. marked and witnessed as described by the Surveyor General. bears S. 56° 20' W. 4.00 chs. I destroy old 1/4 sec. cor. and bearing trees.

Resurvey of the South bdy. of T. 33 S., R. 23 E. Contd

Chains	
8000	Set a sand stone 18 x 16 x 12 ins. 12 ins in the ground for reëstablished cor. of secs. 4, 5, 32 and 33. marked with 4 notches on the E. and 2 notches on the W. edges.
	From which a pine 3 ins. in diam. bears N. 65°00 E. 1.60 chs. dist. marked T. 33 S., R. 23 E., S. 33 B.T.
	A pine 35 ins. in diam. bears S. 75° E 95 lks. dist. marked T. 34 S., R 23 E. S. 4 B.T. A pine 12 ins. in diam. bears S 89° W. 05 chs. dist. marked T. 34 S., R 23 E. S 5, B.T.
	A pine 14 ins. in diam. bears N. W. 56 lks dist. marked T. 33 S., R. 23 E. S. 32. B.T.
	After diligent search no trace of old sec. cor. can be found.
	Land, broken
	Soil, stony 3rd rate,
	Timber, pine.
	Dense undergrowth 80.00 chs.
	Dec. 29: 1900
	At this cor. I set off 23°12' S on decl. arc; and at 0h.2 n.p.m. l.m.t., observe the sun on the meridian; the resulting lat. is 37°54' N
	West.
	Bet. secs. 5 and 32
	Ascending
	through dense undergrowth of oak, and sarvis berry. and large pine timber.
40.00	Set a sand stone 20 x 20 x 8 ins. in a mound of stone, for reëstablished 1/4 sec. cor.

Resurvey of the South bdy. of T. 33 N., R. 23 E. continued.

Chains.	
	Marked 1/4 S 32 on N. 5 on S. faces, raised a mound of stone 2 ft. base, 1½ ft. high. N. of Cor.
	Pits impracticable.
	After diligent search no trace of the old 1/4 sec. cor. can be found.
49.00	Leave pine timber
	bear. N. and S.
80.00	set a sand stone 14 x 12 x 4 ins. 10 ins. in the ground, for reestablished cor. of secs. 5, 6, 31 and 32.
	Marked with 5 notches on the E. and 1 notch on the N. edges
	raised a mound of stone 2 ft. base, 1½ ft. high. N. of cor.
	Pits impracticable.
	After diligent search no trace of the old sec. cor. can be found.
	Land, broken.
	Soil, stony 3rd rate.
	Timber, scattering pine.
	Dense undergrowth. 80.00 chs.
	West
	bet. secs. 6 and 31.
	ascending through dense oak brush,
4.50	Spring branch flows N. 20° E. 2 lks wide
	at foot of Abajo Mountains.
	bear N.E. and S.W.
	begin steep ascent.
28.00	Enter scattering aspen
	bears N.E. and S.W.
40.00	set a Quartzite 14 x 8 x 6 ins. 10 ins. in the ground, for reestablished 1/4 sec. cor. marked 1/4 S 31 on N., 6 on S. faces, raised a mound of stone 2 ft. base, 1½ ft. high N. of Cor.
	Pits impracticable

Resurvey of the South bdy. of T. 33 S., R. 23 E., Continued

Chains.	
	After diligent search no trace of the old 1/4 sec. cor. can be found.
51.00	Top of high spur.
	Projects N. E.
	Along N. side of spur: scattering timber
77.75	Bottom of ravine, 300 ft deep.
	Course N. E.
78.88	Allowing for convergence of meridians set a trachyte stone 5 x 10 x 4 ins., 10 ins. in the ground, for re-established cor. of
	T. 33 and 34 S., Rs. 22 and 23 E.
	Marked with 6 notches on each edge.
	From which a pine 12 ins. in diam. bears N. E. 20 lks. dist. marked
	T. 33 S., R. 23 E., S. 31. B.T.
	a pine 6 ins. in diam. bears S. E. 30 lks. dist. marked T. 34 S., R. 23 E., S. 6. B.T.
	a pine 5 ins. in diam. bears S. 20 W.; 28 lks dist. marked T. 34 S., R. 22 E., S. 1. B.T.
	a pine 8 ins. in diam. bears N. 15 W. 40 lks. dist. marked T. 33 S., R. 22 E., S. 36 B.T.
	The old cor. which is a trachyte 34 x 21 x 17 ins. marked and witnessed as described by the Surveyor General, bears S. 15 E. 22 lks. dist. I destroy all trace of old cor. and bearing trees.
	Land, Mountainous
	Soil, stony 4th rate.
	Timber, oak, aspen and pine.
	Mountainous and dense undergrowth 78.88 chs.
	Dec 29 1900

Resurvey of the Westbdy. T.33 S., R.23 E.

Chains	
	December 30th 1900
	At the cor. of
	T. 33 and 34 S., Rs. 22 and 23 E.
	Lat. 37°53'51" N. Long. 109°29'09" W.
	Established by me.
	At 8 a.m., l.m.t., I
	set off 37°54' N on lat. arc. 23°06'
	S. on decl arc. and determine a
	true meridian with the polar.
	Thence I run
	North
	between sec. 31 and 36
	Ascending along the East side
	of the Abajo Mts.
	through scattering aspen and
	pine timber.
22.00	Leave timber, bears E and W.
40.00	Set a trachyte stone 15 x 9 x 4 ins.
	10 ins. in the ground for reestablished
	1/4 sec. cor. marked 1/4 S. 36 on W. 31
	on E face, raised a mound of stone 2
	ft. base, 1½ ft. high. W. of cor.
	Pits impracticable
	After diligent search no trace
	of the old 1/4 sec. cor. can be
	found.
43.00	Top of high Mountain ridge,
	bears N.E. and S.W. descend.
47.00	Enter heavy pine and aspen timber
	bears N.E. and S.W.
75.50	Pole Cañon 1,000 ft deep and creek
	4 lks wide 3 in deep course
	N.E.
	Leave pine timber, bears E and W.
80.00	set a trachyte stone 16 x 10 x 4 ins.
	11 ins in the ground for reestablished
	cor. of secs. 25, 30, 31 and 36.
	Marked with 1 notch on S. and 5 notches

Chains

on the N. edges.
From which an aspen 6 ins in diam. bears N 12° E. 8 lks dist. marked T. 33 S., R 23 E. S. 30 B.T.
an Aspen 4 ins. in diam. bears S 18° E. 15 lks dist. marked T. 33 S., R. 23 E. S. 31 B.T.
An Aspen 3 ins. in diam bears S 57° W. 16 lks dist. marked T. 33 S., R. 22 E. S. 36 B.T.
an Aspen 3 ins. in diam. bears N 55° W. 30 lks. dist. marked T. 33 S., R. 22 E. S. 25 B.T.
After diligent search no trace of the old sec. cor. could be found.
Land mountainous
Soil stony. 4th rate.
Timber, pine and aspen.
Mountainous land
8000 chs.

North bet secs. 25 and 30.
Ascend through dense oak brush.
8.00 Spur projects N. E.
Descending through dense aspen, and oak timber and brush.
17.00 Spring branch 4 lks wide
pure water, flows N. E.
and Bottom of Cañon 200 ft deep, course N. E. ascend
Leave Aspen timber.
bears E. and W.
40.00 Top of ridge, bears N. E.
Set a sand stone 15 x 10 x 4 ins. 10 ins. in the ground for reestablished 1/4 sec. cor. marked 1/4 S. 25 on W. 30 on E. and raised a mound of stone 2 ft. base 1½ ft. high W. of cor.
Pits impracticable.
After diligent search no trace of the old 1/4 sec. cor. can be found.

Resurvey of the West bdy. of T. 33 S., R. 23 E., continued

Chains	
	Descend. through scattering pine timber.
56.00	Bottom of ravine, 150 ft. deep course N.E. ascend.
80.00	Set a sand stone 24 x 18 x 5 ins. a mound of stone for reëstablished Cor. of secs. 19, 20, 25 and 30. Marked with 2 notches on the S. and 4 notches on the N. edges. From which a pine 10 ins. in diam. bears N. 65° E. 85 lks. dist. marked T. 33 S. R. 23 E. S. 19. B.T. a pine 9 ins. in diam. bears S. 35° E. 105 lks. dist. marked T. 33 S., R. 23 E. S. 30. B.T. a pine 17 ins. in diam. bears S. 10° W. 92 lks. dist. marked T. 33 S., R. 22 E. S. 25 B.T. a pine 10 ins. in diam. bears N. 40° W. 75 lks. dist. marked T. 33 S., R. 22 E. S. 24 B.T. After diligent search no trace of the old sec. cor. can be found. Land, mountains, Soil, stony, 3rd rate. Timber, Aspen, oak and pine. Dense undergrowth and Mountainous land 80.00 chs.
	North bet. secs. 19 and 24. Ascending through scattering pine and dense oak brush.
17.00	Top of Mountain, bears E. and S. Descend.
40.00	Set a sand stone 16 x 12 x 10 ins. 11 ins. in the ground, for reëstablished 1/4 sec. cor. marked 1/4 S. 24 on W. 19 on E. Raised a mound of stone 2 ft. base, 1½ ft. high W. of Cor. Pits impracticable.

Chains	
	After diligent search no trace of the old 1/4 sec. cor. can be found.
80.00	Set a sandstone 18x12x6 ins. 12 ins. in the ground for re-established cor. of secs. 13, 18, 19 and 24. Marked with 3 notches on the N. and S. edges.
	From which a pine 14 ins. in diam. bears N. 30° E. 53 lks. dist. marked T. 33 S., R. 23 E. S. 18 B.T. No other suitable trees within limits.
	Raise a mound of stone 2 ft. base, 1 1/2 ft. high. W. of cor.
	Pits impracticable
	After diligent search no trace of the old sec. cor. can be found.
	Land, mountainous
	Soil, stony. 4th rate.
	Timber, scattering pine,
	Mountainous land and Dense undergrowth 80.00 chs.
	North.
	bet. secs. 13 and 18.
	descending, through dense oak, and sage brush, and scattering pine
21.10	Ravine, 40 ft. below sec. cor. course E.
35.00	Foot of sand stone ledges 5 ft. high bear E. & W.
36.00	Top of sand stone ledges.
38.00	To roots spur. projects E.
40.00	Set a sand stone 15x8x6 ins. 10 ins. in the ground for re-established 1/4 sec. cor. Marked 1/4 S. 13 on W. 18 on E. From which a pine 18 ins. in diam. bears S. 75° E. 55 lks., dist. Marked 1/4 S. 18 B.T. No other suitable

Resurvey of the West bdy. of T. 33 S., R. 23 E., continued.

Chains	
	ties within limits
	After diligent search no trace of
	the old 1/4 sec. cor. can be found.
5.00	Spur, project N.E. leave pine timber.
80.00	Set a sand stone 14 x 8 x 8 ins. 10 ins.
	in the ground for reëstablished cor
	of secs. 7, 12, 13 and 18.
	Marked with 4 notches on the S.
	and 2 notches on the N. edges.
	raised a mound of stone 2 ft. base,
	1½ ft. high. W. of cor.
	Pits impracticable
	After diligent search no trace
	of the old sec. cor. can be found.
	Land, Mountainous
	Soil, stony 3rd rate.
	Timber, scattering pine.
	Mountainous land and
	Dense undergrowth. 8.00 chs.
	Dec. 30½ at this cor. I set off
	23°08' S. on decl. arc; and at
	0h 2m p.m. l.m.t., observed the sun on
	the meridian the resulting
	lat. is 37°57'N
	North
	bet. secs. 7 and 12.
	Descending, through, dense artemisia
	oak and serviceberry brush,
	Leave Mountain.
11.00	Spring creek 4 lks wide, 2 ins.
	deep. pure water flows E.
	ascend.
20.20	Old wood road, bears E. and W.
40.00	set a sand stone 15 x 12 x 3 ins. 10
	ins in the ground for reëstablished
	1/4 sec. cor. Marked 1/4 S. 12 on W. 7 on E.

Resurvey of the West Ldy. of T.33S. R.23E. continued

Chains	
	faces, raised a mound of stone 2 ft. base 1½ ft. high N. of cor.
	Pits impracticable.
	After diligent search no trace of old ¼ sec. cor. can be found.
40.50	Dry run, drains N.E.
80.00	set a sand stone 18×10×4 ins. 12 ins in the ground, for reestablished cor. of secs. 1, 6, 7 and 12. marked with 5 notches on the S. and 1 notch on the N. edges. From which a pin on tree 6 ins. in diam. bears N.10E. 12 lks.
	Marked T.33S, R.23E. S.6 B.T.
	No other suitable trees within proper limits,
	raise a mound of stone 2 ft. base, 1½ ft. high N. of cor.
	Pits impracticable
	After diligent search no trace of the old sec. cor. can be found.
	Land, rolling
	Soil, stony 2nd and 3rd rate
	No timber,
	Dense undergrowth 80.00 chs.
	North
	bet. secs. 1 and 6.
	Ascending through dense artemisia and oak.
37.00	Enter scattering pinon and cedar timber bears N.N. and S.S.E.
40.00	Set a sand stone 30×15×10 ins in a mound of stone, for reestablished ¼ sec. cor. marked with ¼ S 1 on N. 6 on E faces
	From which a pinon 3 ins. in diam bears N.10E. 12 lks dist.
	Marked ¼ S 6 B.T.

Resurvey of the West bdy. of T. 33 S., R. 23 E. Concluded.

Chains.	
	No other suitable trees within limits
	After deligent search no trace of the old 1/4 sec. cor. can be found.
47.00	Enter dense pin oak and cedar timber dead and fallen
80.00	Set a sandstone 24 x 8 x 8 ins. in mound of stone for re-established cor. of T. 32 and 33 S., Rs. 22 and 23 E. Marked with 6 notches on each edge.
	From which a Pin oak 12 ins. in diam bears N. 3° E. 12 lks dist. marked T. 32 S., R. 23 E. S. 31 B.T.
	a pin oak 2 ins. in diam bears S. 45 E. 63 lks. dist. marked T. 33 S. R. 23 E. S. 6 B.T.
	a pin oak 6 ins in diam bears S. 55 W. 43 lks dist. marked T. 33 S., R. 22 E., S. 1 B.T.
	a pin oak 10 ins. in diam. bears N. 20° W. 11 lks. dist. marked T. 32 S., R. 22 E. S. 36 B.T.
	The old cor., which is a sandstone 20 x 12 x 6 ins. in a mound of stone, marked and witnessed as described by the Surveyor General, bears N. 64° 30' W. 310 lks dist.
	I destroy old cor. and witness trees.
	Land, rolling.
	Soil, stony. 3rd rate
	Timber, Cedar and pin oak
	Dense undergrowth and heavy timber 8.00 chs.

Reserve of the North bdy. T. 33 S., R. 23 E.

Chains

At the Cor. of
Ts. 32 and 33 S., Rs. 22 and 23 E.
Established by me.

At 3 p.m. l.m.t., I set off 37°59' N. on lat. arc. 23°07' S. on decl. arc; and determine a true meridian with the solar.
Thence
I run
East on a random line along the North bdy of T. 33 S., R. 23 E.
Setting temp. 1/4 sec. and sec. cors. at intervals of 4000 chs. after the first 1/4 sec. cor. where I allow 1.68 chs for convergency. and set the 1/4 sec. cor at 38.32 chs.
At 478.29 chs, Intersect the Colorado Guide Meridian at the Cor. of Ts. 32 and 33 S., Rs. 23 and 24 E.
Already described

Dec: 30th 1900

Dec. 31st 1900
At 8. a. m. l. mt. I set off 37°59' N. on lat. arc. 23°02' S. on decl. arc; and determine a true meridian with the solar.
At the Cor. of
Ts. 32 and 33 S., Rs. 23 and 24 E.
Thence I run
West
Set. secs 1 and 36.
Ascending, through dense artemisia

Resurvey of the North bdy. of T. 33 S., R. 23 E. continued.

Chains	
23.50	Wagon road Monticello to Maab, bears N. E. and S. W.
30.00	Wagon road, bears N. and S.
32.00	Stake and rider fence, bears N. 80° E. and S. 80° W.
33.00	Dry wash, drains N. E.
40.00	Set a sandstone 14 x 10 x 6 ins. 10 ins. in the ground for reëstablished 1/4 sec. cor. marked 1/4 S. 36 on N. & on S. faces, raised a mound of stone 3 ft. base, 1½ ft. high N. of Cor.
	Pits impracticable.
	The old cor. which was a pin on post, had been replaced by the settlers at this same point by a mound of stone.
51.75	Stake and rider fence, bears N. and S.
	Enter cultivated field.
54.00	Carlisle frame house bears South 8 chs.
58.00	Stake and rider fence, bears N. and S.
80.00	Set a sandstone 16 x 10 x 4 ins. 11 ins. in the ground, for reëstablished cor. of secs. 1, 2, 35 and 36. Marked with 1 notch on the E. and 5 notches on the W. edges; raised a mound of stone 3 ft. base, 1½ ft. high W. of Cor.
51.75 / 28.25	
	Pits impracticable
	At this point I find a partially obliterated mound of stone which is recognized as the place where the old section cor. had been placed.
	Land, rolling
	Soil, sandy loam and clay 1st rate
	No timber
	Dense Artemisia 54.75 chs.

Chains.	
	West
	bet. secs. 2 and 35
	Descending, over cultivated land.
50.00	Coga creek bed, dry wash
	10 ft. deep 10 ft. wide, course N. E.
	Ascend.
25.20	Pole fence, bears N. and S.
	Leave cultivated land.
	Enter dense artemesia
35.00	Pole fence, bears N. E. and S. W.
40.00	Set a p. and stone 13 x 10 x 4 ins. 9
	ins. in the ground, for reestablished
	1/4 sec. cor. marked 1/4 S. 35 on N. 2 on S.
	faces, raised a mound of stone 2 ft. base,
	1½ ft. high N. of cor.
	Pits impracticable.
	After diligent search no trace
	of the old 1/4 sec. cor. can be found.
75.00	Enter heavy cedar and pinion timber
	bears N. E. and S. W.
80.00	Set a p. and stone 15 x 10 x 4 ins., 10
	ins. in the ground, for reestablish-
	ed cor. of secs. 2, 3, 34 and 35
	marked with 2 notches on the E. and
	4 notches on the W. edges. From
	which a pinion 14 ins. in diam.
	bears N. 15° E. 45 lks. dist. marked
	T. 33 S., R. 23 E. S. 35 B. T.
	A pine 6 ins. in diam. bears
	S. 85° E. 21 lks. dist. marked T. 33 S. R. 23
	E. S. 2 B. T.
	A pin oak 8 ins. in diam. bears S. 80° W. 40
	lks. dist. marked T. 33 S., R. 23 E. S. 3 B. T.
	A cedar 9 ins. in diam. bears N. 45° W. 25
	lks. dist. marked T. 33 S., R. 23 E., S. 34 B. T.
	The old sec. cor. which is a pinion
	post marked and witnessed as described
	by the Surveyor General, bears N.
	11° 15' W. 201 lks. dist. I destroy all trace

Resurvey of the North bdy. T. 33 S., R. 23 E. Continued.

Chains	
	of the old cor. and bearing trees. Land, rolling. Soil, loam and stone. 1st and 2nd rate. Timber, Cedar and pinon. Dense undergrowth and heavy timber. 54.80 chs.
	West bet. secs. 3 and 34. Ascending through dense artemisia heavy cedar and pinon timber
40.00	Set a sandstone 16 x 9 x 5 ins. 10 ins. in the ground, for re-established 1/4 sec. cor. marked 1/4 S 34 on N. S 3 on S. faces. From which a pinon 12 ins. in diam. bears S. 10° W. 7 lbs dist. marked 1/4 S. 3. B.T., a cedar 8 ins. in diam. bears N. 2° W. 12 lbs. dist. marked 1/4 S. 34 B.T. After diligent search no trace of old 1/4 sec. cor. can be found.
80.00	Set a sandstone 14 x 12 x 4 ins. 10 ins in the ground, for re-established cor. of secs. 3, 4, 33 and 34. Marked with 3 notches on E. and W. edges. From which a pinon 13 ins. in diam. bears N 15° E. 33 lbs. dist. marked T. 32 S., R. 23 E. S. 34. B.T. A cedar 10 ins. in diam. bears S. 5° E. 6 lbs dist. Marked T. 33 S., R. 23 E., S. 3. B.T. A pinon 8 ins. in diam. bears S. 20° W. 22 lbs. dist. Marked T. 33 S., R. 23 E. S. 4. B.T. A pinon 6 ins. in diam. bears N. 10° W. 46 lbs. dist. Marked T. 32 S., R. 23 E. S. 33 B.T. The old cor. which is a sandstone

Resurvey of the North bdy. T. 33 S., R. 23 E. continued

Chains	
	9 x 8 x 6 ins above ground, marked and witnessed as described by the Surveyor General. bears N. 7° 15' E. 2.56 chs. dist. Destroy all trace of old cor. and bearing trees. Land, rolling. Soil, stony, 3rd rate. Timber, heavy cedar and pinon. Heavily timbered 80.00 chs.
	West. bet. secs. 4 and 33. Ascending, through heavy cedar and pinon timber
40.00	Set a sandstone 15 x 9 x 4 ins. 10 ins. in the ground for reestablished 1/4 sec. cor. marked 1/4 S. 33 on N. 4 on S. faces. From which a pine 12 ins. in diam bears S. 10° W. 18 lks. dist. marked 1/4 S 4 B.T. A pinon 4 ins. in diam. bears N. 25° W. 4½ lks. dist. Marked 1/4 S 33 B.T. The old 1/4 sec. cor. which is a pinon post cannot be found.
244.00	Ravine 75 ft. deep, drains N.E.
80.00	Set a sandstone 14 x 12 x 6 ins. 10 ins in the ground for reestablished G.L. secs. 4, 5, 32 & 33. marked with 4 notches on the E. and 2 notches on the W. edges. From which a pinon 7 ins. in diam. bears N. 15° E. 86 lks. dist. marked T. 32 S. R. 23 E. S. 33 B.T. A pinon 6 ins. in diam bears S. 18° E. 16 lks. dist. marked T. 33 S., R. 23 E. S. 4 B.T. A pinon 14 ins. in diam. bears S. 60° W. 29 lks. dist. marked T. 33 S., R. 23 E. S. 5 B.T.

Resurvey of the North bdy. of T. 33 S., R. 23 E., Continued.

Chains	
	A pin on 20 ins. in diam. bears N. 40° W. 27 lks. dist. marked T. 32 S., R. 23 E. S. 32 B.T. The old sec. cor. which is a sand stone 10 x 10 x 5 ins. m. marked and witnessed as described by the Surveyor General. Stands N. 53° E. 2.63 chs. dist. I destroy all trace of old cor. and bearing trees. Land, rolling, Soil, stony 3rd and 4th rate. Timber, heavy Cedar and pin on, heavily timbered 80.00 chs.
	West. Bet. secs. 5 and 32. Over rolling land, through dense serviceberry, heavy Cedar and pin on timber.
15.50	Dry run, drains N. E.
17.50	Dry run drains N. E.
35.00	Bottom of ravine 75 ft. deep, course N. E.
36.00	Sand stone ledges 50 ft. high, bear N. E. and S. W.
40.00	Set a sandstone 20 x 10 x 5 ins. in mound of rock for pri established 1/4 sec. cor. marked 1/4 S. 32 on N. 5 on S. faces. From which a pin on 20 ins. in diam bears N. 25° W. 47 lks dist. marked 1/4 S. 32 B.T. a pin on 20 ins. in diam bears S. 40° E. 30 lks dist. marked 1/4 S. 5 B.T. The old 1/4 sec. cor. which is a sandstone 10 x 12 x 3 ins. above ground marked and witnessed as described by the Surveyor General.

Chains.	
	bears N 40° E. 2.15 chs
	I destroy old 1/4 sec. cor. and bearing trees.
49.00	Spur projects S. W.
54.00	Bottom of ravine 200 ft. deep; course S. Leave timber, enter dense artemisia and fallen timber.
80.00	set a sand stone 18 x 10 x 3 ins. 12 ins. in the ground, for reestablished cor. of secs. 5, 6, 31 and 32. Marked with 1 notch on the W. and 5 notches on the E. edges. From which a pinon 8 ins. in diam. bears N 86° E. 1.05 chs. dist. marked T. 32 S. R. 23 E. S. 32 B.T. A pinon 10 ins. in diam. bears S 89° E. 1.20 chs. dist. marked T. 33 S., R. 23 E. S. 5. B.T. No other suitable trees within limits. After diligent search no trace of old sec. cor. can be found. Land broken. Soil, stony 4th rate. Timber, heavy cedar and pinon. Heavily timbered and Dense undergrowth 80.00 chs.
	West
	bet. secs. 6 and 31. Ascending over rolling land, though dense artemisia dead and fallen timber. Scattering cedar and pinon.
40.00	set a sand stone 14 x 12 x 6 ins. 10 ins. in the ground for reestablished 1/4 sec. cor. Marked 1/4 S. 31 on N. 6 on S. faces. From which a pinon 12 ins. in diam. bears N. 60° W. 30 lks. dist. marked 1/4 S. 31 B.T.

Resurvey of the North bdy. of T.33 S., R.23 E., concluded

Chains.

A pin on 4 ins. in diam. bears S 50° W.
20 lks. dist. marked 1/4 S.6. B.T.
After diligent search no trace
of the old 1/4 sec. cor. can be found.
7829 The cor. of
T.32 and 33 S., Rs. 22 and 23 E.
Established by me.
Land, rolling.
Soil, stony.
Timber, scattering cedar and pinon.
Dense undergrowth
4th rate.
7829 chs.
Dec. 31st 1900

Boundaries of T.33 S., R.23 E.
Latitudes, departures, and closing errors.

Line designated		True bearing	Distance	Latitudes. N.	Latitudes. S.	Departure. E.	Departure. W.
Colorado Guide Meridian		South.	480.00		480.00		
S. bdy.		West.	478.88				478.88
W. bdy.		North.	480.00	480.00			
N. bdy.		East	478.29			478.29	
Convergency						56	
				480.00	480.00	478.85	478.88
	Error in	Departure.					478.85
							03

For general description see book of subdivisions of this township

Hubert D. Page, U.S.
Deputy Surveyor Compass man.
for
James M. Lentz, U.S. Deputy
Surveyor.

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

Hubert D. Page
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 Hubert D Page Deputy Surveyor as Compassman for James M Lentz, United States Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the re survey of the S.E. & N. bdys of T. 33 S. R. 24 E. & the S. W. & N. bdys of T. 33 S R 23 E of the Salt Lake Base & Meridian in the State of Utah, showing the respective capacities in which they acted:

John Baker, Chainman.
Harvey D. Hirst, Chainman.
Heber Christensen, Moundman.
, Moundman.
Julius Hoovinghoff, Axman.
, Axman.
George Dalton, Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted Hubert D Page Deputy Surveyor as Compass man for James M. Lentz, United States Deputy Surveyor, in re surveying all those parts or portions of the South East and North bdys of T. 33 S, R. 24 E. & the South West and North bdys. of T 33 S, R 23 E. 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

John Baker, Chainman.
Harvey D. Hirst, Chainman.
, Moundman.
Heber Christensen, Moundman.
, Axman.
Julius Hoovinghoff, Axman.
George Dalton, Flagman.

Subscribed and sworn to before me this 17th day of January, 1901

SEAL

Hubert D. Page
U.S. Deputy Surveyor.

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FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, Hubert S. Page, U.S. Deputy Surveyor, Compassman for James M. Lentz, United States Deputy Surveyor, solemnly swear that, in pursuance of a contract received from Jacob B. Blair United States Surveyor General for the District of Utah, bearing date of 14th day of March 1900, 189 , I have well, faithfully, and truly, in my proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for the District of Utah, the Manual of Surveying Instructions, and the laws of United States, surveyed all those parts or portions of the S. E. & N. B'ds of T. 33 S. R. 24 E. and the S. M. & N. B'ds of T. 33 S. R. 23 E.

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

Hubert S. Page U.S. Deputy Surveyor Compassman for James M. Lentz
United States Deputy Surveyor

Subscribed by said Hubert S. Page, and sworn to before me this 25th day of May 1901, 189

SEAL

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

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, January 14, 1902

The foregoing field notes of the survey of the South West & North East Boundaries of T. 33 S. R. 23 E. & the Salt Lake Base and Meridian, Utah

executed by Hubert S. Page U.S. Deputy Surveyor Compassman for James M. Lentz, U.S. Deputy under his contract No. 228, dated March 14, 1900, 189 , having critically examined, and the necessary corrections and explanations made, the said field notes, and surveys they describe, are hereby approved.

Edward H. Anderson
United States Surveyor General

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

United States Surveyor General

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~~4—679.~~

E.

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BOOK A-280

FIELD NOTES

OF THE SURVEY OF THE

Subdivisions

of

Township No. 33 South

Range No. 23 East.

Of the Salt Lake Base and Meridian,

In the State of Utah.

AS SURVEYED BY

Hubert D Page U.S. Deputy Surveyor Compassman for James M. Lentz, United States Deputy Surveyor,

Under his Contract No. 238, dated March 14th, 1900 ~~189~~

Survey commenced January 1st, 1901 ~~189~~

Survey completed January 7th, 1901 ~~189~~

6—151

M. chs lks

Subs - high 58 - 61 - 25 ✓

" low - 1 - 11 - 52 ✓ 59-72-77

BOOK A-280

NAMES AND DUTIES OF ASSISTANTS.

John E. Rogerson,	chainman
Ezra Dalton	"
Hebert Christensen	moundman
Julius Hovinghoff.	aiman
George Dalton	Flagman

Volume
#
R0280

BOOK A-280

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Meanders Page.....

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BOOK A-280

PRELIMINARY OATHS OF ASSISTANTS.

WE, John E. Rogerson and Ezra Dalton 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 T. 33 S. and 34 S., R. 23 E. East of the Salt Lake Base and Meridian the State of Utah.

John E. Rogerson, Chainman

Ezra Dalton, Chainman

Subscribed and sworn to before me this 14th day of December, 1900

Hubert D. Page
U.S. Deputy Surveyor

SEAL

WE, J. Heber Christensen 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 lines of T. 33 S. and 34 S. R. 23 East of the Salt Lake Base and Meridian in the State of Utah

Heber C. Christensen, Moundman

, Moundman

Subscribed and sworn to before me this 14th day of December, 1900

Hubert D. Page
U.S. Deputy Surveyor

SEAL

WE, Julius Hoving Loff and do solemnly swear that ~~we~~ I will well and truly perform the duties of axman in the establishment of corners and other duties, according to instructions given ~~us~~ me, to the best of ~~our~~ my skill and ability, in the survey of the subdivision lines of T. 33 S. and 34 S., R. 23 East of the Salt Lake Base and Meridian in the State of Utah.

, Axman

Julius Hoving Loff, Axman

Subscribed and sworn to before me this 14th day of December, 1900

Hubert D. Page
U.S. Deputy Surveyor

SEAL

I, George Dalton, 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 T. 33 S. and 34 S., R. 23 East of the Salt Lake Base and Meridian in the State of Utah.

George Dalton, Flagman

Subscribed and sworn to before me this 14th day of December, 1900

Hubert D. Page
U.S. Deputy Surveyor

SEAL

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Subdivision of T. 33 S. R. 23 E.

Chains	
	Survey commenced, January 1: 1901 and executed with the instrument described in book A of this Survey. I know the instrument to be in adjustment by recent observations made December 28 & 29, 1900, and recorded in book D of this survey. January 1: On the S. bdy. of the township, at the cor. of secs. 1.2.35 & 36. heretofore described. At 8 A. M. l. m. t. I set off 37° 54' N. on lat. arc: 22° 58' S. on decl. arc: and determine a line meridian with the solar. Thence I run N. 0° 1' W. bet. secs. 35 & 36. Ascend, through dense artemisia scrub oak and scattering timber.
1.25	Pole fence, bears N. 70° W. & S. 70° E.
16.00	Irrigating ditch, 5 ft. wide, Course S. E.
30.00	Top of ridge, bears E. & W. descend.
40.00	Set a Sandstone 16×10×8 ins. 11 ins. in the ground, for ¼ sec. cor. marked ¼ S. 35 on W. and 36 on E. faces: and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor. Pits impracticable.
43.20	Irrigating ditch, 5 ft. wide, Course N. W.
50.00	North fork of North Montezuma Creek, now dry, in Cañon 150 ft. deep, Course S. E. Ascend.
52.50	Wood road, bears N. W. & S. E.
52.80	Irrigating ditch, 5 ft. wide, Course N. E. Leave timber
80.00	Set a Sandstone 16×10×6 ins. 11 ins. in the ground for cor. of secs. 25 26, 35 & 36, marked with 1 notch

Subdivision of T. 33 S. R. 23 E. Continued

Chains	
	on S. and E. edges: and raise a mound of stone, 2 ft. base: 1½ ft. high, N. of cor.
	Pits impracticable.
	Land mountainous.
	Soil stony and loam. 2nd and 3rd Rate.
	Timber: Cedar and pinon.
	Dense undergrowth on
	Mountainous land. 80.00 chs.
	East on a random line.
	Set secs. 25 and 36.
40.00	Set temp. ¼ sec. cor.
	To pass obstacles on line I offset
	S. 25 lks. Thence east.
79.90	Intersect Colorado Guide Meridian
	13 lks. S. of witness cor. to secs.
	25, 30, 31 and 36. heretofore described. which
	is 15 lks. S. of true cor. point. Thence I run
	S. 89° 59' W. on an offset line.
	25 lks. South of true line, set
	secs. 25 and 36.
	Gradual ascent
1.00	Pole fence, bears N. and S. Entire town of Monticello.
2.00	Middle of 2nd East Street, 66 ft. wide,
	bears N. 0° 30' W. and S. 0° 30' E.
	Thence along the north side of
	a street 66 ft. wide, bearing
	N. 89° 30' W. and S. 89° 30' E.
15.25	Middle of 1st East Street 66 ft. wide
	bears N. 0° 30' W. and S. 0° 30' E.
	From this point San Juan County
	Court house bears S. 30° W. 10.00 chs. dist.
	Monticello post office bears
	S. 10° W. 19.00 chs. dist.
29.25	Middle of Main Street of the town
	of Monticello, 72 ft. wide
	bears N. 0° 30' E. and S. 0° 30' W.
	Latter Day Saint meeting house

Subdivision of T. 33 S. R. 23 E. Continued

Chains	
	bears S. 45° W. 3.00 chs. dist.
	Begin gradual descent.
39.95	I offset 25 lks. north and
	set a sandstone 16 x 14 x 4 ins. 11 ins.
	in the ground, for ¼ Sec. Cor. marked
	¼ S. 25 on N. and 36 on S. faces:
	and raise a mound of stone, 2 ft.
	base, 1½ ft. high. N. of Cor.
	Pits impracticable
	This ¼ Cor. is set on cultivated
	land, 10 lks. north of a pole
	fence, running E. and W. along
	the north side of the strip.
	Thence S. 89° 59' W. on a true line
	bet. Secs. 25 and 36.
	Over cultivated land
51.50	Circular reservoir, 100 ft. diam.
	on line.
64.00	Leave cultivated land, bears
	N. and S. enter dense artemisia
70.25	wire fence, bears N. and S.
79.90	The Cor. of Secs. 25, 26, 35 and 36.
	Land rolling.
	Soil loam 1st Rate.
	No timber

	N. 0° 1' W. bet. Secs. 25 and 26.
	Over rolling land, ascend
	through dense artemisia.
22.75	Wire fence, bears E. and W.
	Enter cultivated land,
	bears E. and W.
30.00	Leave cultivated land
	bears E. and W.
40.00	Set a sandstone 15 x 10 x 4 ins.
	10 ins. in the ground, for

Subdivision of T. 33 S. R. 23 E. Continued

Chains	
	¼ sec. cor. marked ¼ S. 26 on W. and 25 on E. faces: and raise a mound of stone 2 ft. base 1½ ft. high, W. of cor.
	Pits impracticable.
	Begin descent
65.00	Ravine 80 ft. deep.
	Course E. ascend.
80.00	Set a sandstone 16 x 9 x 5 ins. 11 ins. in the ground for cor. of secs. 23, 24, 25 and 26. marked with 2 notches on S. and 1 on E. edges: and raise a mound of stone 2 ft. base 1½ ft. high, W. of cor.
	Pits impracticable.
	Land rolling
	Soil stony and loam 2nd and 3rd Rate.
	No timber
	Dense undergrowth. 80.00 chs.
	N. 89° 59' E. on a random line bet. secs. 24 and 25
40.00	Set temp. ¼ sec. cor.
79.96	Intersect Colorado Guide Meridian at cor. of secs. 19, 24, 25 and 30. heretofore described.
	Thence I run
	S. 89° 59' W. on a true line bet. secs. 24 and 25.
	Pass rolling land, ascend through dense Artemisia and scattering timber.
12.00	Large timber bears N. W. and S. E.
29.50	Road from Moab to Bluff bears N. and S.
39.98	Set a sandstone 15 x 9 x 5 ins. 10 ins. in the ground for ¼ sec. cor. marked ¼ S. 24 on N. and 25 on S. faces: and raise a mound of stone 2 ft. base 1½ ft. high,

Subdivision of T. 33 S., R. 23 E. Continued

Chains	
	N. of Cor. Pits impracticable.
79.96	The cor. of Secs. 23. 24. 25 and 26. Land rolling. Soil stony loam, 2nd and 3rd Rate. Timber, Cedar and pinon. Dense undergrowth 79.96 chs.
	N. 0° 1' W. bet. Secs. 23 and 24. Over rolling land, ascend through dense artemisia.
40.00	Set a sandstone 15 x 10 x 4 ins. 10 ins. in the ground for ¼ Sec. Cor. marked ¼ S. 23. on W. and 24 on E. faces: and raise a mound of stone, 2 ft. base, 1½ ft. high, N. of Cor. Pits impracticable. This ¼ sec. cor. is on Top of ridge, bears E. and W. descend. Enter scattering cedar and pinon timber.
80.00	Set a sandstone 18 x 12 x 4 ins. 12 ins. in the ground, for Cor. of Secs. 13, 14, 23 and 24. marked with 3 notches on the S. and 1 notch on E. edges from which A pinon, 10 ins. diam. bears N. 40° W. 12 lks. dist. marked T. 33 S., R. 23 E. S. 14. B. T. A pinon, 8 ins. diam., bears S. 70° E., 26 lks. dist. marked T. 33 S., R. 23 E. S. 24. B. T. Mound stones within limits and raise a mound of stone, 2 ft. base, 1½ ft. high, N. of Cor. Pits impracticable. Land rolling. Soil loam, 2nd Rate. Timber cedar and pinon. Dense undergrowth. 80.00 chs.

Chains	
	N. 89°59' E. on a random line, bet. secs. 13 and 24.
40.00	Set temp. ¼ sec. cor.
79.95	Intersect Colorado Guide Meridian, 3 lks. S. of cor. of secs. 13, 18, 19 and 24, heretofore described. Thence I run S. 89°58' W. on a true line, bet. secs. 13 and 24. Over rolling land, gradual ascent, through dense artemisia
12.00	Enter dense cedar and pinon timber, bears N. and S.
36.80	Leave timber, bears N. and S.
39.97½	Set a sandstone, 18x12x4 ins. 12 ins. in the ground, for ¼ sec. cor., marked ¼ S. 13, on the N. and 24 on S. faces: and raise a mound of stone, 2 ft. base, 1½ ft. high. N. of cor. Pits impracticable.
45.00	Road from Moab to Monticello, bears N. and S.
77.90	Enter scattering timber, bears N. W. and S. E.
79.95	The cor. of secs. 13, 14, 23 and 24. Land, rolling. Soil, loam. 2nd Rate. Timber, cedar and pinon. Dense undergrowth. 39.95 chs. January 1: At this cor. I set off 23° 00' S. on the decl. arc: and at 0h 04m p. m., l. m. t. observe the sun on the meridian, the resulting lat. is 37° 56' N.

N. 0° 1' W. bet. secs. 13 and 14.
Over rolling land, through dense artemisia and scattering timber.

Subdivision of T. 33 S. R. 23 E. Continued

Chains	
2.50	Leave scattering timber, bears N.W. and S.E.
40.00	Set a sandstone 14 x 12 x 6 ins. 10 ins. in the ground, for ¼ Sec. Cor. marked ¼ S. 14. on the W. and 13 on E. faces: and raise a mound of stone, 2 ft. base, 12 ft. high W. of Cor.
	Pits impracticable.
76.33	Enter scattering cedar and pinon, bears N. 15° E. and S. 15° W.
80.00	Set a sandstone 14 x 12 x 6 ins. 10 ins. in the ground, for Cor. of Secs. 11, 12, 13 and 14. marked with 4 notches on the S. and 1 notch on E. edges: from which
	A Cedar, 10 ins. diam. bears N. 28 lks. dist. marked T. 33 S. R. 23 E. S. 11. S. 12. 13. T.
	A Cedar, 14 ins. diam. bears S. 18° W. 34 lks dist. marked T. 33 S. R. 23 E. S. 14. 13. T.
	No other bearing trees within limits.
	And raise a mound of stone, 2 ft. base, 12 ft. high W. of Cor. Pits impracticable.
	Land rolling.
	Soil. Loam. and Rock.
	Timber. Cedar and pinon.
	Dense undergrowth. 80.00 chs.
	N. 89° 58' E. on a random line, bet. Secs. 12 and 13.
40.00	Set temp. ¼ Sec. Cor.
79.90	Intersect Colorado Guide Meridian, 3 lks. N. of Cor. of Secs. 7, 12, 18 and 13. heretofore described.
	Thence I run S. 89° 59' W. on a true line, bet. Secs. 12 and 13.
	Ascend over rolling land, through dense artemisia.
28.00	Ridge bears N. and S.
	Begin descent.
39.95	Set a sandstone 20 x 8 x 6 ins. 15 ins.

Chains	
	in the ground for ¼ sec. cor. marked ¼ S. 12. on the N. and 13. on the S. faces from which A pin oak, 8 ins. diam. bears N. 10° W. 14 lks. dist. marked ¼ S. 12. B. T. A cedar, 12 ins. diam. bears S. 13° W. 18 lks. dist. marked ¼ S. 13. B. T.
41.80	Leave timber, bears N. W. and S. E.
43.00	Road from Moab to Monticello bears N. 30° W. and S. 30° E.
49.75	Enter dense timber, bears N. and S.
58.00	Leave timber, bears N. W. and S. E. Enter dense artemisia
79.00	Enter scattering timber.
79.90	The cor. of secs. 11, 12, 13 and 14. Land rolling. Soil loam 2nd Rate. Timber cedar and pinon. Dense undergrowth or heavy timbered 79.90 chs.
	N. 0° W. bet. secs. 11 and 12. Our rolling land, through dense artemisia and scattering cedar and pin on timber ascend.
19.00	Top of ridge, bears E. and W. descend. Leave timber.
40.00	Set a cedar post, 3 ft. long 3 ins. sq. with marked stone, 24 ins. in the ground, for ¼ sec. cor. marked ¼ S. 11. on the W. and 12. on E. faces. dig pits 18 x 18 x 12 ins. N. and S. of post 3 ft. dist. and raise a mound of earth, 3½ ft. base, 1½ ft. high W. of cor.
74.00	Stake and rider fence, bears N. 78° W. and S. 78° E.
80.00	Set a sandstone, 14 x 10 x 6 ins. 10 ins. in the ground, for Cor. of Secs. 1, 2, 11 and 12.

Subdivision of T. 33 S., R. 23 E. Continued

Chains	
	marked with 5 notches on the S. and 1 on E. edges: and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of Cor.
	Pits impracticable.
	Land, rolling.
	Soil, loam. 2nd Rate
	Timber, cedar and pinon.
	Dense undergrowth 80.00 chs.
	N. 89°59' E. on a random line bet. secs. 1 and 12.
40.00	Set temp. ¼ sec. cor.
79.85	Intersect Colorado Guide Meridian, 9 lks. N. of cor. of secs. 1, 6, 7 and 12 heretofore described.
	Thence I run
	N. 89° 57' W. on a true line bet. secs. 1 and 12.
	Over rolling broad, gradual ascent through dense artemisia.
39.92½	Set a Sandstone 15x10x6 ins., 10 ins. in the ground, for ¼ sec. cor. marked ¼ S. 1 on the N. and 12 on S. faces: and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of Cor.
	Pits impracticable.
44.00	Road from Moab to Monticello bears N. and S.
46.00	Stake and rider fence, bears N. and S.
79.85	The cor. of secs. 1, 2, 11 and 12.
	Land, rolling.
	Soil, loam. 2nd Rate.
	No timber.
	Dense undergrowth 79.85 chs.

Chains	
	N. 0° 1' W. on a random line bet. secs. 1 and 2.
40.00	Set temp. ¼ sec. cor.
79.92	Intersect N. bdy. of Tp. 12 lks. E. of Cor. of secs. 1, 2, 35 and 36 heretofore described.
	Thence I run
	S. 0° 6' E. on a true line bet. secs. 1 and 2.
	Over level cultivated ground.
8.00	Leave cultivated ground, begin gradual ascent over rolling land, through dense artemisia.
13.00	Stake and rider fence bears E. and W.
39.92	Set a sandstone 14x12x10 ins. 10 ins. in the ground for ¼ sec. cor. marked ¼ S. 2. on the W. and 1. on E. faces: and raise a mound of stone 2 ft. base, 1½ ft. high. W. of Cor.
	Pits impracticable.
79.92	The Cor. of secs. 1, 2, 11 and 12.
	Land rolling.
71.92 / 8.0	Soil, loam 1st and 2nd Rate.
	No timber.
	Dense undergrowth. 71.92 chs.
	January 1st 1901

January 2: At 8 A. M. L. M. t. I set off 37° 54' N on the lat. arc: 22° 53' S on the decl. arc: and determine a true meridian, with the Solar. On the S. bdy. of the Tp. at the Cor. of secs. 23, 34 and 35 heretofore described. Thence I run

N. 0° 1' W. bet. secs. 34 and 35.

Over rolling land, through dense artemisia and scrub oak. descend.

6.50	Ravine, 30 ft. deep, course E. Begin ascent.

Subdivision of T. 33 S. R. 23 E. Continued

Chains	
40.00	Set a Sandstone 16×9×4 ins. 11 ins. in the ground for ¼ sec. cor. marked ¼ S. 34 on the W. and 35 on E. faces: and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of Cor. Pits impracticable.
80.00	Set a Sandstone 21×12×5 ins. 15 ins. in the ground for cor. of secs. 26, 27, 34 and 35., marked with 1 notch on the S. and 2 on E. edges: and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of Cor. Pits impracticable. Land rolling. Soil loam. 1st Rate No timber. Dense undergrowth. 80.00 chs.
	E. on a random line bet. secs. 26 and 35.
40.00	Set temp ¼ sec. cor.
80.04	Intersect N. and S. line, 5 lks. N. of cor. of secs. 25, 26, 35 and 36. Thence I run N. 89°58' W. on a true line bet. secs. 26 and 35. Over rolling land, gradual descent through dense artemisia and scrub oak.
40.02	Set a porphyry stone 14×12×4 ins. 10 ins in the ground, for ¼ sec. cor., marked ¼ S. 26 on the N. and 35 on S. faces: and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of Cor. Pits impracticable.
43.00	North fork of North Montezuma Canon 80 ft. deep. Course S. 60° E. ascend.
80.04	The cor. of secs. 26, 27, 34 and 35

Subdivision of T. 33 S. R. 23 E. Continued

Chains	
	Land, rolling.
	Soil, loam. 1st Rate
	No timber.
	Dense undergrowth 80.04 chs.
	N. 0° 1' W. bet. secs. 26 and 27.
	Over rolling land, gradual descent through dense artemisia and scrub oak.
30.00	North fork of North Montezuma Canon, 90 ft. deep, course S. 60° E. ascend
40.00	Set a sandstone, 16 x 9 x 4 ins., 11 ins. in the ground, for ¼ sec. cor. marked ¼ S. 27 on the W. and 26 on E. faces; and raise a mound of stone, 2 ft. base 1½ ft. high, W. of Cor.
	Pits impracticable begin descend
64.50	Drain 40 ft. deep, drains E. ascend
80.00	Set a porphyry stone 15 x 8 x 6 ins., 10 ins. in the ground, for Cor. of secs. 22, 23, 26 and 27, marked with 2 notches on the S. and 2 on E. edges; and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of Cor.
	Pits impracticable.
	Land, rolling.
	Soil, loam 2nd Rate
	No timber
	Dense undergrowth, 80.00 chs.
	S. 89° 58' E. on a random line bet. secs. 23 and 26.
40.00	Set temp. ¼ sec. cor.
80.00	Intersect N. and S. line, 10 lks. S. of Cor. of Secs. 23, 24, 25 and 26.

Subdivision of T. 33 S. R. 23 E. Continued.

Chains	
	Thence I run
	S. 89° 58' W. on a true line
	bet. secs. 23 and 26.
	Over rolling land, descend through
	dense artemisia and scrub oak.
40.00	Set a sandstone 15 x 9 x 6 ins., 10 ins.
	in the ground, for ¼ sec. cor. marked
	¼ S. 23. on W. and 26. on S. faces:
	and raise a mound of stone, 2 ft.
	base, 1½ ft. high, W. of cor.
	Pits impracticable.
75.50	Bottom of ravine, 100 ft. deep,
	Course S. E., ascend.
80.00	The cor. of secs. 22, 23, 26 and 27.
	Land, rolling.
	Soil, loam, 1st Rate.
	No timber
	Dense undergrowth, 80.00 chs.

	W. 0° 1' W. bet. secs. 22 and 23.
	Over rolling land, descend through
	dense oak, artemisia and service
	berry bushes.
3.50	Head of ravine, Course S. E.
	ascend.
29.00	Top of ridge, bears E. and W.
	Descend.
40.00	Set a porphyry stone, 15 x 12 x 5 ins.
	10 ins. in the ground, for ¼ sec. cor.
	marked ¼ S. 22. on W. and 23 on E.
	faces: and raise a mound of
	stone, 2 ft. base, 1½ ft. high, W. of cor.
	Pits impracticable.
80.00	Set a porphyry stone, 15 x 12 x 8 ins.
	10 ins. in the ground, for cor. of
	secs. 14, 15, 22 and 23, marked with 3
	notches on S. and 2 notches
	on E. edges: and raise a mound of

Chains

of stone, 2 ft. base, 1½ ft. high. N. of Cor.
Pits impracticable.
Land, rolling.
Soil, loam, 1st Rate.
No timber.
Dense undergrowth. 80.00 chs.
January 2: At this Cor. I set off 22° 54' S.
on the decl. arc: and at 0h 04m p. m.
l. m. t. observe the Sun on the
Meridian, the resulting lat. is 37° 56' N.

N. 89° 58' E. on a random line.
bet. Secs. 14 and 23.
40.00 Set temp. ¼ Sec. cor.
80.00 Intersect N. and S. line, 5 lks. N.
of the cor. of Secs. 13, 14, 23 and 24.
Thence I run
West, on a true line,
bet. Secs. 14 and 23.
Over rolling land, through dense Artemisia
40.00 Set a porphyry stone, 14 x 8 x 6 ins., 10 ins. in
the ground, for ¼ Sec. cor. marked ¼ S. 14,
on N. and 23 on S. faces: and raise a
mound of stone, 2 ft. base, 1½ ft. high,
N. of cor. Pits impracticable.
80.00 The cor. of Secs. 14, 15, 22 and 23.
Land, rolling.
Soil, loam, 1st Rate.
No timber.
Dense undergrowth, 80.00 chs.

N. 0° 01' W. bet. Secs. 14 and 15.
Over rolling land, descend through
dense artemisia scattering oak and
service berry bushes.
40.00 Set a porphyry stone, 15 x 12 x 4 ins. 10 ins. in

Subdivision of T. 33 S. R. 23 E. Continued

Chains	
	the ground, for ¼ sec. cor. marked ¼ S. 15 on the W. and 14 on E. faces: and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of Cor.
	Pits impracticable.
41.00	Dlear, 30 ft. deep, drains N. 40° E. ascend
80.00	Set a Sandstone, 15×12×5 ins., 10 ins. in the ground, for cor. of secs. 10, 11, 14 & 15. marked with 4 notches on the S. and 2 on E. edges: and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of Cor. Pits impracticable.
	Land, rolling.
	Soil, loam — 1st Rate.
	No timber.
	Dense undergrowth — 80.00 chs.
—	
	E. on a random line bet. secs. 11 & 14.
40.00	Set temp. ¼ Sec. cor.
80.05	Intersect N. & S. line. 3 lks. S. of cor. of secs. 11, 12, 13 & 14.
	Thence I run
	S. 89° 59' W. on a true line bet. secs 11 & 14.
	Over rolling land, through heavy Cedar and pin on timber.
6.00	Leave timber, bears N. and S.
12.00	Enter timber, bears N. and S.
29.50	Leave heavy timber bears N. and S. descend.
40.03	Set a porphyry 14×12×6 ins. 10 ins. in the ground, for ¼ sec. cor. marked ¼ S 11. on the N. and 14 on S. faces: and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of Cor.
	Pits impracticable.
	This cor. is in a ravine, 60 ft. deep, Course N. 50° W. ascend.
49.60	Begin descent.
69.00	Ravine, 30 ft. deep. Course N. 40° E. ascend

Subdivision of T. 33 S., R. 23 E. Continued.

—	80.05	The cor. of secs. 10, 11, 14 and 15. Land, rolling. Soil, loam. 2nd Rate Timber, Cedar and pinon. Dense undergrowth or heavy timber. 80.05
		N. 0° 1' W. bet. secs. 10 and 11. Over rolling land, through dense artemisia scattering oak and service berry bushes.
	40.00	Set a sandstone 15×9×5 ins. 10 ins. in the ground, for ¼ sec. Cor. marked ¼ S. 10 on the W. and 11 on E. faces: and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of Cor. Pits impracticable.
—	80.00	Set a porphyry stone 4×8×6 ins. 10 ins. in the ground, for cor. of secs. 2, 3, 10 and 11 marked with 5 notches on the S. and 2 on E. edges: and raise a mound of stone 2 ft. base, 1½ ft. high, W. of Cor. Pits impracticable. Land, rolling Soil, loam. 1st Rate. No timber. Dense undergrowth 80.00 chs.
		N. 89° 59' E. on a random line, bet. secs. 2 and 11.
	40.00	Set temp. ¼ sec. cor.
	80.05	Intersect N. and S. line at cor of secs. 1, 2, 11 and 12. Thence I run S. 89° 59' W. on a true line, bet. secs. 2 and 11.

Subdivision of T. 33 S., R. 23 E. Continued.

Chains	
	Over rolling land, gradual descent through dense artemisia
20.00	Stake and Rider fence bears N. 78° W. and S. 78° E.
40.02½	Set a porphyry stone 5 x 13 x 5 ins. 12 ins. in the ground, for ¼ sec. cor. marked ¼ S. 2. on the E. and 11 on S. faces: and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of Cor. Pits impracticable.
45.50	Wire fence, bears E. 85° E. and S. 85° W.
71.00	Top of Spur projects N. 40° E. descend.
80.05	The cor. of secs. 2, 3, 10 and 11.
	Land, rolling.
	Soil, loam. 1st Rate
	No timber.
	Dense undergrowth. 80.05 chs.

	N. 0° 1' W. on a random line bet. secs. 2 and 3.
40.00	Set temp. ¼ sec. cor.
80.00	Intersect N. bdy of Tp. 7 lks. E. of cor. of secs. 2, 3, 34 and 35 heretofore described. Thence I run S. 0° 4' E. on a true line bet. secs. 2 and 3. Over rolling land, through dense artemisia and scattering timber, descend.
40.00	Set a sandstone 14 x 5 x 6 ins. 10 ins. in the ground, for ¼ Sec. cor. marked ¼ S. 3, on the W. and 2 on E. faces: and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of Cor. Pits impracticable.
	Leave scattering cedar and pine on.
48.00	Saga Creek, 4 ft. deep, 6 ft. wide, Course N. E.
80.00	The cor. of secs. 2, 3, 10 and 11.
	Land, rolling.
	Soil, loam. 1st Rate

Subdivision of T. 33 S. R. 23 E. Continued

Chains	
	Timber: Cedar and pinon
	Dense undergrowth 80.00 chs.
	January 2nd 1901
	January 3rd: At 8 a.m. l.m.t. I set off 36°34' N on the lat. arc: 22° 47' S. on decl. arc: and determine a true meridian, with the Solar, on the S. bdy. of the Tp. at the Cor. of secs. 3, 4, 33 and 34: heretofore described.
	Thence I run
	N. 0° 2' W. bet. secs. 33 and 34.
	Over rolling land, through dense artemisia and scrub oak: descend
8.00	Ravine, 40 ft. deep. Course N. 60° E. Ascend
40.00	Set a porphyry stone 14 x 10 x 5 ins. 10 ins. in the ground, for ¼ sec. Cor. marked ¼ S. 33 on the W. and 34 on E. faces: and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of Cor.
	Pits impracticable.
80.00	Set a porphyry stone 17 x 9 x 4 ins. 12 ins. in the ground, for Cor. of Secs. 27, 28, 33 and 34. marked with 1 notch on the S. and 3 on E. edges: and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of Cor.
	Pits impracticable.
	Land rolling.
	Soil: loam 2nd Rate.
	No timber.
	Dense undergrowth 80.00 chs.
	E. on a random line bet. Secs. 27 and 34
40.00	Set temp. ¼ Sec. Cor.

Subdivision of T. 33 S. R. 23 E. Continued

Chains	
39.95	Intersect N. and S. line at Cor. of secs. 26. 27. 34 and 35. Thence I run.
	N. on a true line, bet. secs. 27 and 34. Over rolling land, ascending through dense artemisia and scrub oak.
39.99	Set a porphyry 24 x 12 x 10 ins. 18 ins in the ground for ¼ sec. Cor. marked ¼ S. 27 on the N. and 34 on S. faces: and raise a mound of stone, 2 ft. base, 1½ ft. high. W. of Cor. Pits impracticable.
79.95	The Cor. of secs. 27. 28. 33 and 34. Land rolling. Soil loam. 2nd Rate. No timber. Dense undergrowth 79.95 chs.
	N. 0° 2' W. bet. secs. 27 and 28. Over rolling land descending through dense artemisia and scrub oak.
39.00	North fork of North Montezuma Canon 70 ft. deep, Course E. ascend.
40.00	Set a porphyry 16 x 12 x 8 ins. 11 ins. in the ground, for ¼ sec. Cor. marked ¼ S. 28 on the W. and 27 on E. faces: and raise a mound of stone 2 ft. base 1½ ft. high W. of Cor. Pits impracticable. descend.
76.50	Dean, 25 ft. deep drains S. 40° E. ascend
80.00	Set a porphyry 15 x 8 x 6 ins. 10 ins. in the ground, for Cor. of secs. 21. 22. 27 and 28. marked with 2 notches on the S. and 3 on E. edges: and raise a mound of stone, 2 ft. base, 1½ ft. high. W. of Cor.

Subdivision of T. 33 S. R. 23 E. Continued

Chains	
	Pits impracticable.
	Land rolling.
	Soil, loam. 2nd Rate.
	No timber.
	Dense undergrowth. 80.00 chs.
	E. on a random line bet. secs. 22 and 27.
40.00	Set temp. ¼ sec. cor.
79.96	Intersect N. and S. line, at cor. of secs. 22, 23, 26 and 27.
	Thence I run
	W. on a true line bet. secs. 22 and 27.
	Over rolling land, gradual ascent through dense artemisia and scrub oak.
39.98	Set a porphyry stone 5 x 12 x 5 ins. 10 ins. in the ground, for ¼ sec. cor. marked ¼ S. 22 on N. and 27 on S. faces: and raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.
	Pits impracticable.
79.96	The cor. of secs. 21, 22, 27 and 28.
	Land rolling.
	Soil, loam 1st Rate.
	No timber.
	Dense undergrowth. 79.96 chs.
	January 3: At this cor. I set off 22° 49' S. on the decl. arc. and at 0h 05m p. m., l. m. t., observe the sun on the meridian, the resulting lat. is 37° 55' N.
	N. 0° 2' W. bet. secs. 21 and 22.
	Over rolling land, through dense

Subdivision of T. 33 S. R. 23 E. Continued.

Chains	
	Artemisia
15.00	Begin descent. Top of ridge bears E. and W.
40.00	Set a sandstone, 12 x 8 x 8 ins. 8 ins. in the ground, for ¼ sec. cor. marked ¼ S. 21, on the W. and 22 on E. faces: and raise a mound of stone, 2 ft. base, 1½ ft. high W of Cor.
	Pits impracticable.
80.00	Set a sandstone 12 x 12 x 5 ins. 8 ins. in the ground, for cor. of secs. 15, 16 21 and 22, marked
	T. 33 S., S. 15. on N. E.
	R. 23 E., S. 22. on S. E.
	S. 21. on S. W. and
	S. 16 on N. W. faces: with 3 notches on S. and E. edges: and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of Cor.
	Pits impracticable.
	Land, rolling.
	Soil, loam. 1st Rate.
	No timber.
	Dense undergrowth. 80.00 chs.
	E. on a random line bet. secs. 15 and 22.
40.00	Set temp. ¼ sec. cor.
79.94	Intersect N. and S. line, 3 lks. S. of Cor. of secs. 14, 15, 22 and 23
	Thence I run
	S. 89° 59' W. on a true line bet. secs. 15 and 22.
	Over rolling land, ascending through dense artemisia.
39.97	Set a sandstone, 14 x 10 x 6 ins. 10 ins. in the ground, for ¼ sec. cor. marked ¼ S. 15 on the N. and 22 on S. faces: and raise a mound of stone, 2 ft. base, 1½ ft. high. N. of Cor.
	Pits impracticable.
62.00	Top of ridge, bears N. and S. Descend.

Subdivision of T. 33 S., R. 23 E. Continued

Chains	
79.94	The cor. of Secs. 15, 16, 21 and 22.
	Land, rolling.
	Soil, loam. 1st Rate.
	No timber.
	Dense undergrowth 79.94 chs.
	N. 0° 2' W. bet. Secs. 15 and 16.
	Over rolling land, ascend
	through dense artemesia
18.00	Enter cedar and pinon, bear N.W. & S.E.
22.00	Top of Ridge, bears N. 40° W and S. 40° E.
	Begin gradual descent.
24.00	Leave timber bears E. and W.
40.00	Set a sandstone 12x10x6 ins. 8 ins. in the ground, for ¼ sec. cor. marked ¼ S. 16, on the W. and 15. on E. faces: and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of Cor. Pits impracticable.
80.00	Set a sandstone 16x10x5 ins. 11 ins. in the ground for cor. of Secs. 9, 10, 15 & 16. marked with 4 notches on the S. and 3 on E. edges: and raise a mound of stone 2 ft. base, 1½ ft. high, W. of Cor. Pits impracticable.
	Land rolling.
	Soil loam. 1st Rate
	No timber.
	Dense undergrowth. 80.00 chs.
	N. 89° 59' E. on a random line bet. Secs 10 and 15.
40.00	Set temp. ¼ sec. Cor.
79.92	Intersect N. and S. line, 5 lks. S. of Cor. of Secs. 10, 11, 14 and 15.
	Thence I run

Subdivision of T. 33 S., R. 23 E. Continued.

Chains	
	S. 89°57' W. on a true line, bet. secs. 10 and 15. Over rolling land, descend through dense artemisia and oak bush.
39.96	Set a sandstone, 15 x 9 x 6 ins. 10 ins. in the ground, for ¼ sec. cor, marked ¼ S. 10. on N. and 15, on S. faces: and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor. Pits impracticable.
44.00	Wire fence, bears N. and S.
70.00	Wire fence, bears N. 80° W. and S. 80° E.
79.92	The cor. of secs. 9, 10, 15 and 16. Land rolling. Soil loam, 1st Rate. No timber. Dense undergrowth, 79.92 chs. January 3rd, 1901
	Jan. 4: At 8 A.M., L. M. T. set off 37°57' N. on lat. arc: 22°41' S. on decl. arc: and determine a true meridian with the solar, at the cor. of secs. 9, 10, 15 and 16. Thence I run N. 0°2' W. on a true line, bet. secs. 9 and 10. Over rolling land, through dense artemisia. descend.
1.25	Wire fence, bears N. 80° W. and S. 80° E.
30.50	Saga bottoms, bear N. 40° E. and S. 40° W. dry wash 6 ft. deep. Course N. E. Begin gradual ascent.
40.00	Set a sandstone, 16 x 10 x 5 ins. 11 ins. in the ground, for ¼ sec. cor, marked ¼ S. 9. on W. and 10, on E. faces: and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor. Pits impracticable.

Subdivision of T. 33 S. R. 23 E. Continued

Chains	
	Enter scattering timber.
80.00	Set a sandstone, 18x12x6 ins. 12 ins. in the ground, for cor. of secs. 3, 4, 9 and 10, marked with 5 notches on S. and 3 notches on E. edges: and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
	Pits impracticable.
	Land rolling.
	Soil loam 1st Rate
	Timber cedar and pinon.
	Dense undergrowth, 80.00 chs.
	N. 89°57' E. on a random line, bet. secs. 3 and 10.
40.00	Set temp. ¼ sec. cor.
79.98	Intersect N. and S. line, 7 lks. W. of cor. of secs. 2, 3, 10 and 11.
	Thence S. on
	West on a true line, bet. secs. 3 and 10.
	Over rolling land, descend through dense artemisia
32.00	Enter bottom and wash, course N. 40° E. Descend.
37.0	Enter heavy timber, bears N. and S.
39.99	Set a sandstone, 16x9x6 ins. 11 ins. in the ground, for ¼ sec. cor. marked ¼ S. 3 on N. and 10 on S. faces: from which
	A pinon, 8 ins. diam. bears N. 25° W. 115 lks. dist. marked ¼ S. 3. B. T.
	A cedar, 10 ins. diam. bears S. 45° E. 97 lks. dist. marked ¼ S. 10. B. T.
72.00	Leave timber, bears N. and S.
79.98	The cor. of secs. 3, 4, 9 and 10.
	Land rolling.
	Soil, loam 2nd Rate.
	Timber, cedar and pinon.
	Dense undergrowth or heavily timbered, 79.98 chs.

Subdivision of T. 33 S., R. 23 E. Continued

Chains	
	N. 0° 2' W. on a random line bet. secs. 3 and 4.
40.00	Set temp. ¼ sec. cor.
80.02	Intersect N. bdy of Tp. 3 lks. E. of Cor. of Secs. 3, 4, 33 and 34. heretofore described. Thence I run S. 0° 3' E. on a true line, bet. secs. 3 and 4. Over rolling land, ascending through dense cedar and pine on timber.
40.02	Set a trachyte stone 6 x 14 x 8 ins. 11 ins. in the ground, for ¼ sec. cor. marked ¼ S. 4 on the W. and 3 on E. faces: from which A pine on, 6 ins. diam. bears N. 75° W. 32 lks. dist. marked ¼ S. 4. B. T. A. Cedar, 12 ins. diam. bears N. 20° E. 16 lks. dist. marked ¼ S. 3. B. T.
58.00	Ridge, bears N. 80° E. and S. 80° W. descend.
76.00	Leave heavy timber, bears N. 40° E and S. 40° W.
76.50	Dly run, Course N. 40° E. ascend. Enter artemisia and scattering cedar and pinon.
80.02	The cor. of secs. 3, 4, 9 and 10. Land, rolling. Soil, loam, 2nd Rate Timber, Cedar and pinon on heavily timbered or dense undergrowth, 80.02 chs. January 4: At this cor. I set off 22° 43' S. on the decl. arc: and at 1h 15m p. M. L. m. t., observe the sun on the meridian, the resulting lat. is 37° 58' N.
	From the cor. of secs. 4, 5, 32 and 33 as heretofore described, I run

Subdivision of T. 33 S., R. 23 E. Conta

Chains	
	N. 0° 3' W. bet. secs. 32 and 33.
	Gradual descent, through
	heavy pine timber.
20.00	Cross 30 ft. deep, drains E. ascent.
39.00	Leave heavy timber, bears E. and W.
	enter dense artemisia, scrub oak,
	and service berry brush.
40.00	Set a porphyry 21 x 14 x 8 ins. 16 ins. in
	the ground, for ¼ sec. cor.
	marked ¼ S. 32 on the W. and
	33 on E. faces: from which
	A pine, 30 ins. diam., bears S. 45 E.
	1.42 chs. dist. Marked ¼ S. 33. B. T.
	Begin gradual descent.
80.00	Set a porphyry 15 x 12 x 4 ins. 10 ins.
	in the ground, for cor. of secs.
	28, 29, 32 and 33. marked with 1 notch
	on the S. and with 4 notches
	on E. edges: and raise a mound
	of stone, 2 ft. base, 1½ ft. high.
	W. of cor.
	Pits impracticable
	Land rolling.
	Soil, stony and loam. 2nd and 3rd Rate
	Timber, yellow pine,
	Heavily timbered or dense
	undergrowth. 80.00 chs.

	E. on a random line bet. secs.
	28 and 33.
40.00	Set temp. ¼ sec. cor.
80.02	Intersect N. and S. line, at cor. of
	Secs. 27, 28, 33 and 34.
	Thence I run
	W. on a true line, bet. secs.
	28 and 33.
	Over rolling land, ascending
	through artemisia and scrub oak.

Subdivision of T. 33 S. R. 23 E. Continued.

Chains	
40.01	Set a sandstone 24x5x6 ins. 15 ins. in the ground, for ¼ sec. cor. marked ¼ S. 28 on the N. and 33 on S. faces: and raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.
	Pits impracticable.
80.02	The cor. of secs. 28, 29, 32 and 33.
	Land, rolling.
	Soil, stony ¼ loam, 2nd and 3rd Rate.
	No timber.
	Dense undergrowth. 80.02 chs.
	N. 0° 3' W. bet. secs. 28 and 29.
	Over rolling land, thickened through dense artemisia and scrub oak.
40.00	Set a sandstone 17x10x8 ins. 12 ins. in the ground, for ¼ sec. cor. marked ¼ S. 29 on W. and 28 on E. faces: and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
	Pits impracticable.
49.00	North fork of North Montezuma Canon, 20 ft. deep. Course S. 50° E.
	Begin descent.
80.00	Set a sandstone 15x12x8 ins. 10 ins. in the ground for cor. of secs. 20, 21, 28 and 29, marked with 2 notches on the S. and 4 on E. edges. and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
	Pits impracticable.
	Land rolling.
	Soil, stony ¼ loam, 2nd and 3rd Rate.
	No timber.

Chains	
	Dense undergrowth. 80.00 chs
	E. on a random line bet. secs. 21 and 28.
40.00	Set temp. ¼ sec. cor.
80.00	Intersect N. and S. line, 7 lks S. of Cor. of secs. 21, 22, 27 and 28. Thence I run S. 89° 57' W. on a true line bet. secs. 21 and 28. Over rolling land, ascending through dense artemisia scrub oak and serviceberry brush.
40.00	Set a porphyry stone 8 x 8 x 3 ins. 12 ins. in the ground, for ¼ sec. Cor. marked ¼ S. 21 on the N. and 28 on S. faces: and raise a mound of stone, 2 ft. base, 1½ ft. high, N. of Cor. Pits impracticable.
80.00	The cor. of secs. 20, 21, 28 and 29. Land rolling. Soil, loam. 2nd Rate. No timber. Dense undergrowth 80.00 chs.
	January 4th, 1901
	January 5: At 8 a.m. l.m.t. I set off 37° 56' on the lat. arc: 22° 35' 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 N. 0° 3' W. bet. secs. 20 and 21. Over rolling land, descend through dense artemisia scrub oak and service berry bushes.

Subdivision of T. 33 S., R. 23 E. Continued

Chains	
40.00	Set a sandstone 12×8×6 ins. 8 ins. in the ground, for ¼ Sec. Cor. marked ¼ S. 20. on the W. and 21 on E. faces: and raise a mound of stone 2 ft. base, 1½ ft. high, W. of Cor. Pits impracticable.
59.00	Trash, 4 ft. wide, 8 ft. deep, drains W.
80.00	Set a sandstone 15×12×4 ins. 10 ins. in the ground, for Cor. of secs. 16, 17, 20 and 21. marked with 3 notches on the S. and 4 notches on E. edges: and raise a mound of stone. 2 ft. base, 1½ ft. high, W. of Cor. Pits impracticable.
	Land, rolling.
	Soil, loam. 2nd Rate.
	No timber.
	Dense undergrowth. 80.00 chs.
	N. 89°57' E. on a random line, bet. secs. 16 and 21.
40.00	Set temp. ¼ sec. Cor.
80.02	Intersect H. and S. line, 5 lks. N. of Cor. of Secs. 15, 16, 21 and 22. Thence I run S. 89°59' W. on a true line, bet. secs. 16 and 21,
	Ascend through dense Artemisia
21.00	Top of ridge, bears H. and S. descend.
30.00	Draw, 50 ft. deep, drains H. ascend.
	Enter scattering timber.
40.01	Set a sandstone, 12×10×5 ins. 8 ins. in the ground, for ¼ sec. Cor. marked ¼ S. 16 on the H. and 21 on S. faces: and raise a mound of stone, 2 ft. base, 1½ ft. high, H. of Cor. Pits impracticable.

Subdivision of T. 33 S. R. 23 E. Continued

Chains	
45.00	Top of ridge, bears N. 10° W. and S. 10° E. descend. Leave scattering timber, thence along N. slope of Spur projecting W. through dense oak and service berry bush descending.
72.00	Begin steep descent.
76.40	Foot of steep descent. leave dense bush, descend gradually.
80.02	The cor. of secs. 16, 17, 20 and 21.
76.40/3.62	Land rolling. Soil, stony and loam, 2nd and 3rd Rate. Timber, cedar and pin on. Dense undergrowth 76.40 chs.
	N. 0° 3' W. bet. secs. 16 and 17. Ascend through artemisia
10.00	Enter scattering cedar and pin on bears E. and W.
12.00	Spur projects W. Begin descent.
39.10	Saga Cuk. Wash 15 ft. deep 12 ft. wide. Course N. 40° E. Begin ascent.
40.00	Set a sandstone 14×12×6 ins. 10 ins. in the ground, for ¼ sec. cor. marked ¼ S. 17 on the W. and 16 on E. faces: and raise a mound of stone, 2 ft. base, 1½ ft. high. W. of Cor. Pits impracticable.
55.00	Ridge bears E. and W. Leave timber, begin descent through dense artemisia and scrub oak.
80.00	Set a sandstone 14×10×5 ins. 10 ins. in the ground, for cor. of secs. 8, 9, 16 and 17. marked with 4 notches on the S. and 4 notches on E. edges: and raise a mound of stone 2 ft. base, 1½ ft. high. W. of Cor.

Subdivision of T. 33 S., R. 23 E. Continued

Chains	
	Pits impracticable.
	Land, rolling.
	Soil, loam 2nd Rate.
	Timber, Cedar and pin on.
	Dense undergrowth 80.00 chs.
	N. 89°59' E. on a random line bet. secs. 9 and 16.
40.00	Set temp. ¼ sec. cor.
79.95	Intersect N. and S. line 3 lks. S. of Cor. of secs. 9, 10, 15 and 16.
	Thence I run
	S. 89°58' W. on a true line bet. secs. 9 and 16.
	Gradual descent through dense artemisia, and scrub oak.
34.00	Eaga Creek, Wash 15 ft. deep, 12 ft. wide, Course N. 40° E.
39.99	Set a porphyry stone 15x12x11 ins. 10 ins. in the ground, for ¼ sec. cor. marked ¼ S. 9, on the N. and 16 on S. faces: and raise a mound of stone 2 ft. base, 1½ ft. high, N. of Cor.
	Pits impracticable.
	Begin ascent.
57.00	Wire fence, bears N. and S.
79.98	The Cor. of secs. 8, 9, 16 and 17.
	Land rolling.
	Soil, loam. 2nd Rate.
	No timber.
	Dense undergrowth, 79.98 chs.
	January 5; At this cor. I set off 22°36' S on the decl. arc: and at 0h05m p.M., l. m. t. observe the sun on the meridian, the resulting lat. is 37°57' N.

Chains	
	N. 0° 3' W. bet. secs. 8 and 9.
	Descend through artemesia
	and scrub oak.
25.00	Spring Creek, Wash 8 ft. deep 6 ft
	wide, Course E.
	Begin ascent.
31.00	Enter heavy timber, bears E. and W.
40.00	Set a sandstone, 12 x 10 x 8 ins. 8 ins.
	in the ground, for ¼ sec. cor.
	marked ¼ S. 8, on the W. and 9 on E.
	faces: from which, A Cedar, 14 ins. diam. bears N. 15° E. 7.6
	lks. dist. marked ¼ S. 9, B. T. No other trees within limits, and
	raise a mound of stone 2 ft. base, 1½ ft. high, W. of Cor. Pits impracticable.
51.00	Top of ridge, bears N. 80° E. and S. 80° W.
	Leave heavy timber, begin
	descent through scattering
	timber and Serviceberry bush
80.00	Set a sandstone 14 x 8 x 6 ins.
	10 ins. in the ground, for Cor.
	of secs. 4, 5, 8 and 9., marked
	with 5 notches on the S. and
	4 notches on E. edges: and raise
	a mound of stone, 2 ft. base.
	1½ ft. high, W. of Cor.
	Pits impracticable.
	Land rolling.
	Soil, Stony and loam. 2nd and 3rd Rate.
	Timber, Cedar and pinon.
	Heavily timbered or dense
	undergrowth, 80.00 chs.
	N. 89° 58' E. on a random line, bet.
	Secs. 4 and 9.
40.00	Set temp. ¼ Sec. Cor.
80.00	Intersect N. and S. line, at Cor. of
	Secs. 3. 4. 9 and 10.
	Thence I run
	S. 89° 58' W. on a true line bet. secs. 4 and 9.

Subdivision of T. 33 S., R. 23 E. Continued

Chains.	
	Over rolling land, descending through dense artemisia and scattering timber.
3.50	Dly run. Course N. 40° E. Ascend.
22.00	Enter dense timber, bears N. 60° E. and S. 60° W.
37.00	Top of ridge, bears N. 60° E. and S. 60° W. Leave heavy timber, enter scattering and fallen timber. Descend.
40.00	Set a sandstone, 16×10×6 ins. 11 ins. in the ground, for ¼ Sec. Cor. marked ¼ S. 4 on the N. and 9 on S. faces: and raise a mound of stone, 2 ft. base, 1½ ft. high, N. of Cor. Pits impracticable.
80.00	The cor. of Secs. 4, 5, 8 and 9. Land, rolling. Soil, loam, 2nd Rate. Timber, Cedar and pine on. Heavily timbered or dense undergrowth. 80.00 chs.
	N. 0° 3' W. on a random line bet. Secs. 4 and 5.
40.00	Set temp. ¼ Sec. Cor.
80.04	Intersect N. bdy. of Tp. at Cor. of Secs. 4, 5, 32 and 33. heretofore described. Thence I run S. 0° 3' E. on a true line bet. Secs. 4 and 5. Descend through heavy timber
12.00	Ravine, 90 ft. deep Course N. 50° E. Leave heavy timber, begin ascent through dense scrub oak and Serviceberry bush.
40.04	Set a sandstone 12×10×6 ins. 8 ins. in the ground, for ¼ Sec. Cor. marked ¼ S. 5 on the W. and 4

Chains	
	on E. faces: and raise a mound of stone, 2 ft. base, 1½ ft. high. W. of Cor.
	Pits impracticable.
	Enter scattering timber bears N. 40° E. and S. 40° W. descend.
68.00	Draw, 40 ft. deep, drains N. 35° E. ascend.
80.04	The Cor. of Secs. 4, 5, 8, and 9.
	Land rolling.
	Soil, loam, 2nd Rate
	Timber, Cedar and pinion.
	Heavily timbered or dense undergrowth. 80.04 chs.
	January 5th 1901

January 6: At 8 a.m. L.M.t. I set off 87°54' N on the lat. arc: 22°28' S on the decl. arc: and determine a true meridian, with the solar, on the S. bdy. of the Tp. at the Cor. of Secs. 5, 6, 31 and 32, heretofore described. Thence I run

N. 0° 3' W. bet. Secs. 31 and 32.

Over rolling land, through dense artemisia and scrub oak, ascend.

4.85	Spring branch, 1 lk. wide, Course E.
6.00	Top of rocky spur, projects E.
	Begin descent.
30.00	Draw, 60 ft. deep, drains E. ascend.
40.00	Set a porphyry stone 8 x 12 x 5 ins. 12 ins. in the ground for ¼ Sec. Cor., Marked ¼ S. 31, on the W. and 32 on E. faces: and raise a mound of stone, 2 ft. base, 1½ ft. high. W. of Cor.
	Pits impracticable.
60.00	Top of Spur, projects N. 40° E. descend
80.00	Set a porphyry stone 5 x 10 x 6 ins. 10 ins. in the ground, for Cor. of Secs. 29, 30, 31 and 32, marked with 1 notch on

Subdivision of T. 33 S., R. 23 E. Continued

Chains	
	on the S. and 5 on E. edges: and raise a mound of stone 2 ft. base, 1½ ft. high, N. of Cor. Pits impracticable. Land rolling. Soil, Stony and loam, 2nd and 3rd Rate. No timber Dense undergrowth 80.00 chs.
	E. on a random line bet. secs. 29 and 32.
40.00	Set temp. ¼ sec. cor.
80.00	Intersect N. and S. line, 3 lks. S. of Cor. of secs. 28, 29, 32 and 33. Thence I run S. 89°59' W. on a true line bet. secs. 29 and 32. Over rolling land, through dense artemisia and scrub oak. Gradual ascent.
40.00	Set a porphyry stone 15x12x4 ins. 12 ins. in the ground, for ¼ sec. cor. Marked ¼ S. 29 on N. face, and 32. on S. face: and raise a mound of stone, 2 ft. base, 1½ ft. high, N. of Cor. Pits impracticable.
80.00	The Cor. of secs. 29, 30, 31 and 32. Land, rolling. Soil, Stony and loam, 2nd and 3rd Rate. No timber. Dense undergrowth 80.00 chs.
	N. on a random line bet. Secs. 30 and 31.
40.00	Set temp. ¼ sec. Cor.

Subdivision of T. 33 S., R. 23 E. Contin.

Chains	
78.78	Intersect W. bdy. of Tp. at cor. of Secs. 25, 30, 31 and 36. heretofore described. Thence S. 1mn E. on a true line bet. secs. 30 and 31. Descend over rocky soil, through dense scrub oak and Aspen.
4.75	Pole Canon, 1000 ft. deep and creek 4 lks. wide, 3 ins. deep Course N. E. Begin steep ascent.
31.60	Top of high spur, projects N. E, descend.
38.78	Set a trachyte stone 7 x 10 x 6 ins. 10 ins. in the ground, for ¼ Sec. Cor. marked ¼ S. 30 on the N. and 31 on S. faces: and raise a mound of stone, 2 ft. base, 1½ ft. high. W. of cor. Pits impracticable.
76.00	Foot of steep descent.
78.78	The Cor. of Secs. 29, 30, 31 and 32. Land, mountainous. Soil, rocky, 3rd and 4th Rate. Timber, Aspen. Mountainous land, 78.78 chs.

N. 0° 3' W. bet. Secs. 29 and 30. Over rolling land, through dense artemisia scrub oak and Service berry bush, descend.

9.00	Draw, 60 ft. deep. chains N. E. ascend.
40.00	Set a trachyte stone 7 x 14 x 3 ins. 12 ins. in the ground, for ¼ Sec. Cor. marked ¼ S. 30 on the W. and 29 on E. faces: and raise a mound of stone, 2 ft. base, 1½ ft. high. W. of Cor. Pits impracticable. descend.
42.00	North fork of North Montezuma Canon 100 ft. deep and creek 6 lks. wide 4 ins. deep. Course E. Ascend
45.00	Base ridge, bears E. and W.

Subdivision of T. 33 S. R. 23 E. Continued

Chains	
	Begin descent.
54.00	Cage, wash, 60 ft. deep, 1.00 ch. wide, course N. E.
79.50	Spring branch 1 ft. wide, course N. E.
80.00	Set a sandstone 18 x 6 ins. 12 ins. in the ground for cor. of secs. 19, 20, 28 & 31, marked with 2 notches on the S. and 3 notches on E. edges, and raise a mound of stone 2 ft. base, 12 ft. high. W. of cor.
	Pits impracticable.
	Land rolling and mountainous.
	Soil, stony & loam, 3rd & 4th rate.
	Lime undergrowth or mountainous land. 8.00 chs.

Resist on a random line bet. secs. 20 & 29.

40.00	Set temp. ¼ sec. cor.
80.00	Intersect 28 & 29 S. line, 3 ths. S. of cor. of secs. 20, 21, 28 & 29.
	Change of run.
	S. 80° 58' W. on a true line bet. secs. 20 & 29.
	Cover rolling land, ascend through dense scrub oak and service berry brush.
29.00	Top of steep descent.
40.00	Set a sandstone 15 x 12 x 9 ins. 10 ins. in the ground for ¼ sec. cor. marked ¼ S. 20 on the N. and 29 on S. faces; and raise a mound of stone 2 ft. base, 12 ft. high. W. of cor.
	Pits impracticable.
72.50	Cage, wash, 50 ft. deep, 90 ths. wide, course N. 30° E. foot of steep descent.

Subdivision of T. 33 S. R. 23 E. Cont

Chains	
78.90	Spring branch 1 lk. wide, Course N.E.
80.00	The Cor. of secs. 19, 20, 29 and 30.
	Land rolling.
	Soil, loam 2nd Rate
	No timber.
	Dense undergrowth 80.00 chs.
	January 6: At this Cor. I set off 22° 29' S on the decl. arc: and at 8h 06m p. M, l.m.t. observe the sun on the meridian, the resulting lat. is 37° 56' N.
	W. on a random line, bet. sec. 19 and 30.
40.00	Set temp. ¼ sec. Cor.
78.70	Intersect W. bdy. of Tp. 7 lks N. of Cor. of secs. 19, 24, 25 & 30, heretofore described. Thence I run N. 89° 57' E. on a true line bet. secs. 19 and 30. Over stony land, descend through dense artemisia and scrub oak, and scattering pine.
38.70	Set a Sandstone 15x12x4 ins. 10 ins. in the ground, for ¼ sec. cor. marked ¼ S. 19 on the N. and 30 on S. faces: and raise a mound of stone, 2 ft. base, 1½ ft. high, N. of Cor. from the Cor. A Pine 12 ins. diam. bears N. 20° E. 129 chs. dist. marked ¼ S. 19. B. T. No other trees within limit
51.00	Begin steep descent.
78.70	The cor. of secs. 19, 20, 29 and 30
	Land, mountainous.
	Soil stony 4th Rate
	Timber, yellow pine
	Mountainous land. 78.70 chs.

Subdivision of T. 33 S. R. 23 E. Continued

Chains	
	N. 0° 3' W. bet. secs. 19 and 20.
	Over rolling land, ascend along E. slope of Abajo mountains through dense oak and service berry brush.
10.00	Enter Cedar and pin on timber bear E. and W.
25.00	Leave timber bears N.E. and S.W. Begin descent.
40.00	Set a trachyte stone 13×10×6 ins. 9 ins. in the ground, for ¼ sec. Cor. marked ¼ S. 19 on the W. and 20 on E. faces: and raise a mound of stone. 2 ft. base, 1½ ft. high. W. of Cor. Pits impracticable.
80.00	Set a trachyte stone 13×9×5 ins. 9 ins. in the ground, for Cor. of secs. 17, 15, 19 and 20. Marked with 3 notches on the S. and 5 on E. edges: and raise a mound of stone, 2 ft. base, 1½ ft. high. W. of Cor. Pits impracticable.
	Land rolling.
	Soil, stony and loam. 2nd and 3rd Rate
	Timber, Cedar and pin on.
	Dense undergrowth. 80.00 chs.
	N. 89° 58' E. on a random line, bet. secs. 17 and 20.
40.00	Set temp. ¼ sec. cor.
80.05	Intersect N. and S. line, 3 lks N. of Cor. of secs. 16, 17, 20 and 21.
	Thence I run
	S. 89° 59' W. on a true line, bet. secs. 17 and 20.
	Over rolling land, descend through artemisia
29.50	Gaga Wash 12 ft. deep, 10 ft. wide.

Chains	
	Course N. 30 E. begin ascent through dense scrub oak and Service berry bush.
40.02½	Set a sandstone 18x10x4 ins. 12 ins. in the ground, for ¼ sec. cor. marked ¼ S. 17 on the N. and 20 on S. faces: and raise a mound of stone, 2 ft. base, 1½ ft. high. N. of Cor. Pits impracticable
80.05	The cor. of Secs. 17, 18, 19 and 20. Land rolling. Soil, loam, 1st and 2nd Rate. No timber. Dense undergrowth 80.05 chs.
	S. 89°57' W. on a random line, bet. Secs. 18 and 19.
40.00	Set temp. ¼ sec. cor.
78.61	Intersect W. bdy. of Tp. 9 lks. S. of Cor. of Secs. 13, 18, 19 and 24 heretofore described. Thence I run S. 89°59' E. on a true line, bet. Secs. 18 and 19. Over rolling land, descend through dense artemisia and oak bush, and scattering pine.
38.61	Set a sandstone 18x7x6 ins. 12 ins. in the ground, for ¼ sec. cor. marked ¼ S. 18 on the N. and 19 on S. faces: and raise a mound of stone, 2 ft. base, 1½ ft. high, N. of Cor. Pits impracticable.
43.50	Ravine, 25 ft. deep, drains N. 10° E.
	Leave scattering pine, ascend.
51.50	Top of ridge bears N. 20° E. and S. 20° W. descend.

Chains	
78.61	The cor. of Secs. 17.18.19 and 20.
	Land, rolling.
	Soil, stony loam, 3rd Rate
	Timber, yellow pine.
	Some undergrowth. 78.61 chs.
	January 6th 1901
	January 7. At 8 a.m. I m. t. I set off 37° 56' on the lat. arc: 22° 20' 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
	N. 0° 3' W. bet. Secs. 17 and 18.
	Over rolling land, descend through dense Artemisia, oak and service berry brush.
4.00	Spring branch, 1ft. wide, Course N.E. Ascend.
40.00	Set a trachyte stone 14x10x3 ins. 10 ins. in the ground, for ¼ Sec. Cor. marked ¼ S. 18. on the W. and 17 on E. faces: and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of Cor.
	Pits — impracticable.
44.00	Top of ridge bears N.E. and S.W. descend.
51.00	Drain, 30 ft. deep. drains N.E. Ascend.
	Enter scattering dead timber.
80.00	Set a trachyte stone 18x6x6 ins. 12 ins. in the ground, for Cor. of Secs. 7.8.17 and 18. marked with 4 notches on the S. and 5 on E. edges: and raise a mound of stone, 2 ft. base, 1½ ft. high. W. of Cor.
	Pits impracticable
	Land, rolling.
	Soil, loam. 2nd Rate
	Timber, cedar and pine.

Subdivision of T. 33 S. R. 23 E. Continued

Chains	
	Dense undergrowth 80.00 chs.
	N. 89° 59' E. on a random line, bet. secs. 8 and 17.
40.00	Set temp. ¼ sec. cor.
80.06	Intersect N. and S. line, 3 lks. S. of Cor. of secs. 8, 9, 16 and 17.
	Thence I run
	S. 89° 58' W. on a true line, bet. secs. 8 and 17.
	Over rolling land, ascend through dense artemisia and scrub oak.
25.00	Wash, 8 ft. deep, 6 ft. wide, drains N.
40.03	Set a sandstone 12×10×6 ins. 8 ins. in the ground for ¼ sec. cor. marked ¼ S. 8 on the N. and 17 on S. faces: and raise a mound of stone, 2 ft. base, 1½ ft. high, N. of Cor.
	Pits impracticable
43.00	Top of ridge, bears N. and S.
	Enter Cedar and pinon timber, bears N. and S.
	Begin descent.
45.00	Leave timber, bears N. and S.
50.00	Log house and stables of Nicholas Wilson, bear N. 11 chs. dist.
80.06	The cor. of secs. 7, 8, 17 and 18.
	Land rolling
	Soil, loam 2nd Rate.
	Timber, Cedar and pinon
	Dense undergrowth 80.06 chs.
	N. 89° 59' W. on a random line bet. secs. 7 and 18.
40.00	Intersect temp. ¼ sec. Cor.

Subdivision of T. 33 S., R. 23 E. Continued.

Chains	
78.52	Intersect W. bdy. of Tp. 3 lks. N. of Cor. of 7.12.13 and 18 heretofore described. Thence I run S. 89° 58' E. on a true line bet. Secs. 7 and 18. Descend over rolling land through dense artemisia oak and Service berry brush.
38.52	Set a sandstone 15 x 9 x 6 ins. 10 ins. in the ground, for ¼ sec. Cor. marked ¼ S. 7 on the N. and 18 on S. faces: and raise a mound of stone, 2 ft. base, 1½ ft. high, N. of Cor. Pits impracticable. begin ascent.
56.00	Top of ridge, bears N.E. and S.W.
78.52	The Cor. of Secs. 7.8.17 and 18. Land, rolling. Soil, Stony and loam, 2nd and 3rd Rate. No timber. Dense undergrowth. 78.52 Chs.
	N. 0° 3' W. bet. Secs. 7 and 8. Gradual descent, through dense artemisia, oak and Service berry brush.
19.50	Enter aspen timber bears E. and W.
22.00	Spring Creek, Wash 8 ft. deep. 6 ft. wide. Course E.
25.00	Leave aspen timber bears E. and W. Begin ascent.
31.00	Enter dense cedar and pinon timber. bears E. and W.
39.50	Top of ridge, bears E. and W. Begin descent.
40.00	Set a trachyte stone 4 x 10 x 4 ins. 10 ins. in the ground, for ¼ sec. Cor. marked ¼ S. 7 on the W. and

Chains	
	S. on E. faces: from which
	A pin oak, 12 ins. diam. bears N. 30° W.
	12 lks. dist. marked ¼ S. 7. B. 7.
	A Cedar, 9 ins. diam. bears S. 55° E. 58
	lks. dist. marked ¼ S. 8. B. 7.
	Leave dense timber enter
	scattering timber.
80.00	Set a sandstone 17x10x6 ins. 10
	ins. in the ground, for Cor. of
	Secs. 5, 6, 7 and 8, marked with 5
	notches on the S. and 5 notches
	on E. edges: and raise a mound
	of stone, 2 ft. base, 1½ ft. high,
	W. of Cor.
	Pits impracticable.
	Land rolling.
	Soil, loam, 1st and 2nd Rate.
	Timber Cedar pin oak and Aspen.
	Heavily timbered or dense
	undergrowth, 80.00 chs.
	January 7: At this Cor. I set off
	22° 22' S. on the decl. arc: and at
	8h 08m p. M. l. m. t. observe the sun on
	the meridian, the resulting
	lat. is 37° 58' N.
	N. 89° 58' E. on a random line bet. secs.
	5 and 8.
40.00	Set temp. ¼ sec. Cor.
80.08	Intersect N. and S. line, 9 lks. N. of
	Cor. of secs. 4, 5, 8 and 9.
	Thence I run
	N. 89° 58' W. on a true line bet.
	secs. 5 and 8.
	Over rolling land, descend
	through scattering timber
	dense oak and berry bush.

Subdivision of T. 33 S. R. 23 E. Continued.

Chains	
8.00	Thence 25 ft. deep. Course N. 35° E.
	Ascend.
40.04	Set a sandstone 16×10×6 ins. 11 ins. in the ground, for ¼ sec. cor. marked ¼ S. 5 on the N. and E. on S. faces and raise a mound of stone 2 ft. base, 1½ ft. high.
	N. of cor. Pits impracticable.
67.50	Top of ridge. Bears N. E. and S. W.
	Descend.
80.08	The cor. of secs. 5, 6, 7 and 8.
	Land, rolling.
	Soil, loam. 2nd Rate
	Timber, cedar and pine on.
	Dense undergrowth. 80.08 chs.

	N. 89° 58' W. on a random line,
	bet. secs. 6 and 7.
40.00	Set temp. ¼ sec. cor.
78.43	Intersect N. bdy. of Tp. at the cor. of secs. 1, 6, 7 and 12, heretofore described.
	Thence I run
	S. 89° 58' E. on a true line,
	bet. secs. 6 and 7.
	Over rolling land, descend through dense artemisia, oak and service berry bush.
38.43	Set a sandstone 16×9×6 ins. 11 ins. in the ground, for ¼ sec. cor. marked ¼ S. 6 on N. and 7 on S. faces; and raise a mound of stone 2 ft. base, 1½ ft. high.
	N. of cor. Pits impracticable.
39.50	Bottom of ravine, 100 ft. deep. Course N. E.
	Ascend.
41.00	Enter scattering timber.
78.43	The cor. of secs. 5, 6, 7 and 8.
	Land, rolling.
	Soil, loam. 2nd Rate
	Timber, cedar and pine on.

Subdivision of T. 33 S. R. 23 E. Concluded.

Chains	
	Dense undergrowth 78.43 chs.
	N. 0°5' W. on a random line,
	bet. secs. 5 and 6.
40.00	Set temp. ¼ sec. cor.
80.06	Intersect N. bdy. of Tp.
	At the cor. of secs. 5, 6, 31 and 32.
	heretofore described.
	Thence I run
	S. 0°5' E. on a true line,
	bet. secs. 5 and 6.
	Over rolling land, descend through
	oak and Service berry bush,
	dead and fallen timber.
25.00	Point of timber, bears N.W. and S.W.
	Leave dead and fallen timber.
40.06	Set a sandstone, 15 × 10 × 4 ins. 10
	ins. in the ground, for ¼ sec.
	Cor. marked ¼ S. 6. on the W.
	and 5. on E. faces: and raise a
	mound of stone, 2 ft. base,
	1½ ft. high, W. of cor.
	Pits impracticable.
48.00	Bottom of ravine, 100 ft. deep,
	Course W. 70° E.
	Ascend.
80.06	The cor. of secs. 5, 6, 7 and 8.
	Land, rolling.
	Soil, loam, 2nd Rate.
	Timber, cedar and pinion.
	Dense undergrowth 80.06 chs.
	January 7, 1901.

General Description of T. 33 S. R. 23 E.:

This township comprises the northeastern slope and foot hills of the Abajo mountains. The soil ranges from a rich black loam to rocky soil.
The soil of the eastern and central portion of the township is generally a rich black loam, and where not cultivated or heavily timbered, is covered with a dense undergrowth. It is capable of producing abundant crops, without irrigation.
The soil of the remaining land is rocky, and may be classed 3rd Rate; it is covered with an abundant growth of nutritious grasses and dense undergrowth, making it excellent grazing land.
Cedar and pinion are scattered over the foot hills, generally along the ridges.
Heavy pine and aspen timber is found along the Abajo Mountain.
The township is watered by the north fork of the North Montezuma Creek, which runs through the southern portion, the Saga Creek, which runs through the northwestern portion and by several small springs.
There are no indications of mineral found in this township.
The town of Monticello, the County seat of San Juan County, is situated in this Township, in Secs. 25 and 36.: it contains a Court house, one Latter Day Saint Church, three hotels, one Store and about 25 dwelling houses.
Its estimated population is 150.
Ranching and stock raising are the principal industries.

General Description of T. 33 S. R. 23 E. Concluded.

Settlers

Nicholas Wilson, is located in the S. W. ¼ Sec. 8.
Land under cultivation, about 10.00 acres.
Value of improvements, about 800 $.
Carlisle, is located in the W. W. ¼ Sec. 1 and N. E. ¼ Sec. 2.
Land under cultivation, about 40.00 acres.
Value of improvements, about 3000 $.
Benjamin Perkins, L. H. Mallon, A. L. F. McDermott, and several others, all residents of Monticello, are joint owners in a field, which covers part of Secs. 25, 26, and 36.
Land under cultivation about 500 acres.
Value of improvements, impossible to estimate.

Hubert D. Page, U.S.
Deputy Surveyor. Compassman for
James M. Lentz U.S. Deputy Surveyor.

There being no Notary Public or other officer authorized to administer oaths, within reasonable distance at the beginning or ending of the survey, I administer the preliminary and final oaths myself.

Hubert D. Page
U.S. Deputy Surveyor.

Book A-280

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

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

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

.....

showing the respective capacities in which they acted:

For final affidavits see book G. Tp. 34 S. R. 23 E.

....., *Chainman.*

....., *Chainman.*

....., *Moundman.*

....., *Moundman.*

....., *Axman.*

....., *Axman.*

....., *Flagman.*

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted .....

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

.....

.....

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

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

For final affidavits see book G. Tp. 34 S. R. 23 E.

....., *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, 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 14, 1900 18

The foregoing field notes of the survey of the subdivision lines of Tp. 33 S. R. 23 E. of the Salt Lake Base and Meridian, Utah

executed by Hubert Hoge, U.S. Deputy Surveyor, Commissioner for James M. Cook, U.S. Deputy Surveyor under his contract No. 235, dated March 14, 1900, 189 , having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Edward H. Anderson
United States Surveyor General.

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

United States Surveyor General.

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BOOK A-280

FIELD NOTES

OF THE SURVEY OF THE

South and West
boundaries of
Township No 34 South.
Range No. 23 East.

Of the Salt Lake Base and Meridian,
In the state of Utah.

AS SURVEYED BY

Hubert D. Page, U.S. Deputy Surveyor Compassman
for James M. Fenty, United States Deputy Surveyor,

Under his Contract No. 238, dated March 14th, 1900.

Survey commenced January 7th 1901., 189

Survey completed January 9th 1901., 189

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S. Bdy. high 5-79.44
W. " " 6-00-18

NAMES AND DUTIES OF ASSISTANTS.

John Baker	Chainman
Peter Christensen	"
Julius Hovinghoff	Mound man
Orson Allred	axman
Orson Allred	flagman

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Volume

#

R0280

BOOK A-280

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Meanders Page.....

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PRELIMINARY OATHS OF ASSISTANTS.

WE, John Baker and Heber Christensen 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 South and West bdys of T 34 S, R 23 E, of the Salt Lake Base and Meridian, in the state of Utah.

John Baker, Chainman

Heber Christensen, Chainman

Subscribed and sworn to before me this 14th day of December, 1900

Hubert D. Page
U.S. Deputy Surveyor

SEAL

~~WE~~, I Julius Hoving hoff 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 South and West bdys of T 34 S, R 23 E, of the Salt Lake Base and Meridian in the state of Utah

Julius Hoving hoff, Moundman

, Moundman

Subscribed and sworn to before me this 14th day of December, 1900

Hubert D. Page
U.S. Deputy Surveyor

SEAL

~~WE~~, I Orson Allred and do solemnly swear that ~~we~~ I will well and truly perform the duties of axman in the establishment of corners and other duties, according to instructions given ~~us~~ me, to the best of ~~our~~ my skill and ability, in the survey of the South and West bdys of T 34 S, R 23 E, of the Salt Lake base and Meridian in the state of Utah

Orson Allred, Axman

, Axman

Subscribed and sworn to before me this 14th day of December, 1900

Hubert D. Page
U.S. Deputy Surveyor

SEAL

I, Orson Allred, 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 South and West bdys of T 34 S, R 23 E, of the Salt Lake base and Meridian, in the state of Utah

Orson Allred, Flagman

Subscribed and sworn to before me this 14th day of December, 1900

Hubert D. Page
U.S. Deputy Surveyor

SEAL

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South boundary of T. 34 S., R. 23 E.

Survey Commenced
Jan. 7th 1901.
and executed with the instrument described in book "A" of this survey.
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 cor. of
T. 34 & 35 S., Rs. 23 & 24 E.
Established by me Dec. 17th 1900.
Lat. 37°48'37" N., Long. 109°22'35" W.

At 4 p.m. l.m.t. I set off 37°49' N. on dat. arc; 22°8'5" on decl. arc. and determine with the solar a true meridian; and mark a point thereof on a stone set firmly in the ground, 5 chs N. of the cor.

January 8th 1901.
at 0h 6m a.m. l.m.t., I observe Polaris at western elongation, in accordance with the manual of instructions, and mark a point on the line thus determined on a plug driven in the ground, 5 chs N. of the cor.

At 7h 50m a.m. l.m.t.
I lay off the azimuth of Polaris 1°33' to the East and mark the true meridian thus determined, by cutting a small groove in the stone set Jan. 7th on which the true meridian falls 0.3 ins

South bdy. T. 34 S., R. 23 E., continued.

West of the mark determined by the solar.
At 8.40 m., a.m. l.m.t., I set off 37°49' N on lat. arc; 22°13' S. on decl. arc; and mark a point in the true meridian determined with the solar, by a cross on the stone already set 5 chs. N. of the Cor. this mark falls 0.35 ins West of the true meridian established by the Polaris observation

The solar apparatus, by p.m. and a.m. observations, defines positions for true meridian respectively about 0'16" east and 0'19" west, of the true meridian established by the Polaris observation; therefore, I conclude the adjustment of the instrument are correct.

The magnetic bearing of the true meridian, at 8 a.m. is N. 15°05' W. the angle thus determined, reduced by the table, page 100, gives the mean mag. decl. 15°03' E.

I begin at the cor. of
T. 34 and 35 S., Rs. 23 and 24 E.
Established by me Dec. 17 1900.
Thence I run
West
bet. secs. 1 and 36
Ascending over rolling land.
through dense artemisia

38.00 Spur, projects N. W.

40.00 Set a porphry 15 x 10 x 3 ins. 10 ins. in the ground for 1/4 sec. cor. marked 1/4 S. 36 on N. face, 1 on S. face, raised a mound of stone 2 ft. base, 1 1/2 ft. high, N of Cor. Pits impracticable.

South boundary of T. 34 S. R 23 E. continued

Chains	
59.00	Ravine 100 ft deep course S.E.
67.00	Road, Verdunto Bluff City, bears N. and S.
80.00	set a porphry stone 20x16x3 ins 15 ins in the ground for cor. of secs, 1, 2, 35 and 36. marked with 1 notch on the E. and 5 notches on the W. edges. raised a mound of stone 2 ft. base, 1½ ft. high. W. of cor. Pits impracticable. Land rolling, Soil, clay & sandy loam 1st and 2nd rate. No timber. Dense undergrowth 80.00 chs.
	West bet. secs. 2 and 35. ascending over rolling land, through dense artemisia
20.00	Top of ridge, bears S.E. and N.W.
25.00	Sawmill road, bears N.W. and S.E.
40.00	set a sandstone 12x10x8 ins. 18 ins in the ground for 1/4 sec. Cor. marked 1/4 S.35 on N. 2 on S. raised a mound of stone 2 ft base, 1½ ft high, N. of cor. Pits impracticable.
60.00	Bottom of Ravine, 60 ft deep, Course S.E.
80.00	set a sandstone 24x14x8 ins in mound of stone and earth for cor. of secs 2, 3, 34 and 35 marked with 2 notches on the E. and 4 notches on the West edges. raised a mound of stone

South bdy. of T. 34 S., R. 23 E. continued

Chains	
	2 ft. base, 1½ ft. high. N. of Cor.
	Pits impracticable.
	Land, rolling
	Soil, loam, 1st & 2nd rate
	No timber
	Dense undergrowth, 8000 chs
	West.
	Det. secs. 3 and 34
	ascending over rolling land.
	through dense artemisia and
	serviceberry brush and scrub oak
11.25	Road in bottom of ravine,
	100 ft. deep. course S. E.
	Road bears N. W. and S. E.
40.00	set a sandstone 14 x 12 x 6 ins. 10
	ins in the ground, for 1/4 sec.
	Cor. marked 1/4 S. 34 on N. 3 on S.
	faces, raised a mound of stone
	2 ft. base, 1½ ft. high N. of Cor.
	Pits impracticable.
41.00	Spur, projects N.
66.00	Ridge runs N. W. and S. E.
73.00	Ravine, 100 ft. deep. course S. E.
80.00	set a porphyry 18 x 12 x 4 ins. 12
	ins. in the ground, for Cor. of
	secs. 3, 4, 33 and 34.
	Marked with 3 notches on the E. and W.
	edges, raised a mound of stone
	2 ft. base, 1½ ft. high. N. of Cor.
	Pits impracticable.
	Land, rolling
	Soil, loam & Clay 1st, 2nd & 3rd rate
	No timber.
	Dense undergrowth 8000 chs
	Jan 8th At this Cor. I set off
	22° 14' S on decl. arc; and at 6 h.
	7 m. p. m. l. m. t. observe the sun
	on the Meridian. The resulting lat. is 37° 4'

South bdy. of T. 34 S., R. 23 E. Continued.

Chains	
	West.
	bet. secs. 4 and 33.
	Ascending over rolling land,
	through dense oak and Serviceberry
	brush.
13.00	Top of ridge, bears N. and S.
36.00	Top of ridge, bears N. and S.
40.00	Set a sand stone 16×10×4 ins. 11
	ins. in the ground, for 1/4 sec. cor.,
	marked 1/4 S 33 on N. 4 on S.
	From which a pine 36 ins. in diam.
	bears N. 13° W. 1.70 chs. dist.
	Marked 1/4 S. 33. B.T.
	No other trees within limits.
40.50	Bottom of ravine 100 ft deep
	Course S.E.
57.00	Spur, projects S.E.
60.00	Bottom of Long Cañon 200 ft. deep.
	Course S.E.
80.00	Set a porphry 14×12×8 ins. 10 ins.
	in the ground, for cor. of secs.
	4, 5, 32 and 33
	Marked with 4 notches on the E,
	and 2 notches on the W. edges
	raised a mound of stone 2 ft. base,
	1½ ft. high. W. of cor.
	Pits impracticable.
	Land, broken
	Soil, Clay and loam. 2nd rate.
	No timber
	Dense undergrowth. 80.00 chs.

	West.
	bet. secs. 5 and 32.
	Ascending through dense artemisia
	and oak brush.
1.50	Top of ridge, bears N. W. and S. E.
21.00	Top of ridge, bears N. W. and S. E.

South bdy. of T. 34 S., R. 23 E., Continued.

Chains	
30.00	Ravine, 75 ft. deep. course S.E.
40.00	Set a sandstone 15 x 15 x 4 ins. 10 ins. in the ground for 1/4 sec. cor. marked 1/4 S. 32 on N. 5 on S. faces raised a mound of stone 2 ft. base 1 1/2 ft. high. N. of cor. Pits impracticable.
46.50	Dry run, course S.E.
48.00	Enter large pine timber, very scattering, bears N. and S.
63.50	Box Cañon 100 ft. deep. course S.
76.00	East side of Box Canon, bears S.E. leave pine timber
80.00	In Devil Cañon Set a sandstone 18 x 15 x 6 ins. 12 in in a mound of stone, for cor. of secs. 5, 6, 31 and 32. marked with 5 notches on the E. and 1 notch on the W. edges. raised a mound of stone 2 ft. base, 1 1/2 ft. high. W. of cor. Pits impracticable. Land, mountainous. Soil, stony. 4th rate. Timber, scattering pine. Mountainous, Land 80.00 chs.
	W. bet. secs. 6 and 31 Descending, through dense service and oak brush.
2.50	Bottom of Devil Cañon 500 ft. deep. Course S.E. ascend
7.00	West side of Box Canon. bears S.E. & N.W. enter heavy pine timber.
13.25	Wood road. bears N.W. and S.E.
36.00	Dry run. course S.
40.00	set a sandstone 16 x 16 x 3 ins. 11 ins. in the ground, for 1/4 sec. cor. marked 1/4 S. 31 on N. 6 on S. faces From which a pine 8" ins in diam. bears N. 20° E. 37 lks. dist. marked 1/4 S. 31 B.T.

South bdy. of T. 34 S., R. 23 E., concluded.

Chains	
	No other trees within limits. Raise a mound of stone 2 ft. base, 1½ ft. high. N. of cor. Pits impracticable.
72.00	Top of ridge, bears N. and S. descend.
79.44	Set a sand stone 18 x 12 x 4 ins. in mound of stone for cor. of T. 34 and 35 S., Rs 22 and 23 E. marked with 6 notches on each edge. From which a pine 18 ins. in diam. bears N. 32° E. .47 chs. dist. marked T. 34 S., R 23 E. S. 31, B.T. A pine 16 ins. in diam. bears, N 76° 20' W. 88 lks dist. marked T. 34 S., R 22 E., S. 36 B.T. no other suitable trees within limits. Raise a Mound 1½ 2 ft base 1½ ft high S. of cor. Pits impracticable. Land, mountainous Soil, stony 3rd rate. Timber, scattering pine. Dense undergrowth and Mountainous 79.44 chs. Jan 8th 1901

Jan. 9th 1901

At 8 a.m. l.m.t., I set off 37°19' N. on Lat. arc, 22°04' S on decl. arc; and determine a true meridian with the solar at the Cor. of Ts. 34 and 35 S., Rs 22 and 23 E.

Thence I run North on a random line along the West bdy. of T. 34 S., Rs 23 E. setting temp. ¼ sec. and sec. cors. at intervals of 40.00 chs. and at 480.18 chs; intersect the cor. of Ts. 33 and 34 S., Rs. 22 and 23 E.

Established by me

West bdy. of T. 34 S., R. 23 E., continued.

Chains	
	Jan 9th 1901. at 0h 7m p. m. l. m. t., I set off 37°54' N. on lat. arc; 22°05' S. on decl. arc; and determine a true meridian with the solar. at the cor. of T. 33 and 34 S., Rs. 22 and 23 E.
	Thence I run
	South
	bet. secs 1 and 6.
	Descending, through scattering pine along West Side of Mountain.
2.00	Bottom of ravine 300 ft deep, and creek 5 lks. wide
	course N. E. ascend
12.00	Top of mountain ridge bears N. E. and S. W.
40.18	Set a trachyte stone 15 x 10 x 4 ins. 10 ins. in the ground for 1/4 sec. cor. marked 1/4 S 1 on W. 6 on E. faces, raised a mound of stone 2 ft. base, 1 1/2 ft. high W. of cor. Pits impracticable
80.18	Set a trachyte stone 15 x 10 x 4 ins. 10 ins. in the ground for cor. of secs. 1, 6, 7 and 12. marked with 1 notch on the N. and 5 notches on the S. edges raised a mound of stone 2 ft. base, 1 1/2 ft. high W. of cor. Pits impracticable.
	Land, mountainous
	Soil, stony 4th rate
	Timber, pine and aspen.
	Mountainous land 80.18 chs.

West bdy. of T. 34 S., R. 23 E., continued.

Chains.	
	South
	bet. secs. 7 and 12.
	Ascending along the East side of
	Abajo Mountains over shale
	rock.
4.00	Top of high Mountain ridge.
	bears E. and W.
	descend
40.00	Set a trachyte stone, 15 x 9 x 5 ins.
	10 ins. in the ground for 1/4 sec. cor.
	marked 1/4 S. 1 for W. 4 on E. faces.
	raised a mound of stone 2 ft.
	base 1 1/2 ft. high, N. of cor.
	Pits impracticable.
70.00	Station of Canon 800 ft deep
	South fork of the north forks of
	Montezuma Creek S., Dry —
	ascend.
80.00	Set a trachyte stone 15 x 10 x 4 ins. 10 ins.
	in the ground for cor. of secs.
	7, 12, 13 and 18.
	marked with 7 notches on the N.
	and 4 notches on the S. edges.
	From which an Aspen 4 ins. in diam
	bears N. 75 E. 35 lks. dist. marked
	T. 34 S. R. 23 E. S. 7 B.T.
	an Aspen 3 ins. in diam bears N. 45 W.
	35 lks. dist. marked T. 34 S., R. 22 E.
	S. 12 B.T.
	a pine 6 ins. in diam. bears S. 16 E.
	40 lks dist. marked T. 34 S., R. 23 E.
	S. 18. B.T.
	a pine 8 ins. in diam bears S. 40 W.
	17 lks dist. marked T. 34 S., R. 22 E.,
	S. 13 B.T.
	Land, Mountainous
	Soil, stony — 4th rate.
	Timber, pine and aspen.
	Mountainous land, — 80.00 chs.

West bdy. of T. 34 S., R. 23 E., Continued.

Chains	
	South
	bet. secs. 13 and 18.
	Ascending, North slope of high ridge, through dense, oak, service and rose brush, scattering pine and aspen.
2.50	Road
	bears N. W. and S. E.
27.00	Top of ridge, bears E. and W.
	descend.
40.00	Set a trachytic stone 16 x 10 x 4 ins. 11 ins. in the ground for 1/4 sec. cor. marked with 1/4 S. 13 on W., 18 on E. faces, raised a mound of stone 2 ft. base, 1 1/2 ft. high. W. of cor.
	Pits impracticable.
42.25	Bottom of ravine 350 ft deep
	Course E.
68.50	Top of high ridge
	bears E. and W.
80.00	set a trachytic stone 15 x 9 x 5 ins. 10 ins. in the ground, for cor. of secs 13, 18, 19 and 24. marked with 3 notches on the N. and S. edges.
	Raised a mound of stone 2 ft. base 1 1/2 ft. high W. of cor.
	Pits impracticable.
	Jan. 9th 1901.
	At this cor. I set off 22°06' S. on decl. arc, and at m.t.m. p.m.l. m.t., observe the sun on the meridian the resulting lat. is 37°51' N.
	Land, Mountainous
	Soil, Stony, 4th rate.
	Timber, aspen and pine.
	Mountainous land
	and dense underg rowth
	80.00 chs.

West bdy. of T. 34 S., R. 23 E. continued.

Chains	
	South
	bet. secs 19 and 24.
	Descending along South side
	of ridge through dense oak
	and Servicebrush.
3.00	Bottom of ravine 300 ft. deep. Course
	E. ascend
22.00	Top of spur, bears S.E.
	descend along East side of
	Abajo Mts.
	over Shale rock.
40.00	Set a trachyte tree 15 x 10 x 4 ins.
	10 ins. in the ground for 1/4 sec.
	Cor. marked 1/4 S. 24 on W. 19 on E.
	faces. raised a mound of stone
	2 ft. base, 1 1/2 ft. high W. of Cor.
	Pits impracticable.
70.00	Foot of steep descent.
	bears N.E. and S.W. leave shale
	rock. enter dense artemisia
80.00	on high foothills of Abajo Mts.
	Set a trachyte tree 15 x 10 x 5 ins. 10 ins.
	in the ground for. cor. of secs.
	19, 24, 25 and 30. marked with 2 notches
	on the S. and 4 notches on the N.
	edges. raised a mound of stone 2 ft.
	base, 1 1/2 ft. high. W. of Cor.
	Pits impracticable.
	Land, mountainous,
	Soil, stony 3rd and 4th rate.
	Timber, Pine and aspen.
	Dense undergrowth
	and mountainous land 80.00 chs.
	South.
	bet. secs. 25 and 30.
	Descending, through dense oak
	and artemisia

West bdy. of T. 34 S., R. 23 E. continued.

Chains	
40.00	Set a trachyte tree 15 x 10 x 4 ins. 10 ins. in the ground for 1/4 sec. cor. Marked 1/4 S. 25 on W. 30 on E. faces. raised a mound of stone 2 ft. base, 1 1/2 ft. high. W. of cor. Pits impracticable. Scattering pine timber E. and W.
44.50	Top of sand stone cliffs 200 ft. high bear S. W. and N. E.
54.40	Old mill road. bears N. E. and S. W.
57.00	South Fork of Montezuma Creek 4 lks wide and bottom of Canon, course E. ascend,
76.00	South bank of Cañon, Ridge bears E. and W. descend
79.80	Old mill road bears N. W. and S. E. and Saw Mill bears S 50° E. about 35.00 chains.
80.00	Set a sand stone 18 x 12 x 5 ins. in mound of stone for cor. of secs. 25, 30, 31 and 36. marked with 5 notches on the N. and 1 notch on the S. edges raised a mound of stone 2 ft. base, 1 1/2 ft. high W. of cor. Pits impracticable. Land, mountainous Soil stony and loam 2nd and 4th rate. Timber scattering pine. Dense undergrowth and mountainous land 8000 chs.

South
bet. secs 31 and 36.

West boundary of T. 34 S., R. 23 E.

	Descending through dense artemisia and oak brush, scattering pine.
90.00	Dam to small reservoir drains S.E.
20.00	Enter heavy pine timber bears E. and W.
22.00	Ridge, bears E. and W.
32.50	Good road bears E. and W.
40.00	Set a sand stone 14x12x5 ins. 10 ins in the ground for 1/4 Sec. Cor. marked 1/4 S 36 on N. 31 on E. faces. From which a pine 16 ins. in diam. bears S. 45° W. 29 lks dist. marked 1/4 S. 36 B.T. a pine 3 ins in diam. bears S. 89° E. 20 lks. marked 1/4 S. 31 B.T.
80.00	The cor. of T. 34 and 35 S., R. 22 and 23 E. Set by me.

Land, mountainous
Soil stony, 3rd rate.
Timber, pine.
Dense undergrowth and mountainous land. 80.00 chs.

Jan. 9th 1901

For General description see book of subdivisions.

Hubert D. Page U.S. Compassman for
Deputy Surveyor James W. Lentz U.S. Deputy Surveyor

Boundaries of T. 34 S., R. 23 E.

Latitudes, departures and closing errors.

Line designated	True bearing	Distance	Latitudes N.	Latitudes S.	Departures E.	Departures W.	
Colorado Guide Meridian	South	480.00		480.00			✓
S. bdy.	West.	479.44				479.44	✓
W. bdy	North	480.18	480.18				✓
N. bdy	East	478.88			478.88		✓
Convergency.					478.56		✓
			480.18	480.00	479.44	479.44	✓
			480.00				
Error in Lat.			.18 ✓				

Hubert D. Page U.S.
Deputy Surveyor Compass man for.
James M. Lentz U.S. Deputy Surveyor

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

Hubert D. Page
U.S. Deputy Surveyor

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FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by Hubert D. Page, U.S. Deputy Surveyor, passman for James M. Lentz, United States Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the survey of the South and West 1 dys of T. 34 S., R. 23 E. of the Salt Lake base and meridian, in the state of Utah, showing the respective capacities in which they acted:

John Baker, Chainman.
Heber Christensen, Chainman.
Julius Hovinghoff, Moundman.
, Moundman.
Orson Allred, Axman.
, Axman.
Orson Allred, Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted Hubert D. Page, U.S. Deputy Surveyor, passman for James M. Lentz, United States Deputy Surveyor, in surveying all those parts or portions of the South and West 1 dys of T. 34 S., R. 23 E., 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.

John Baker, Chainman.
Heber Christensen, Chainman.
Julius Hovinghoff, Moundman.
, Moundman.
Orson Allred, Axman.
, Axman.
Orson Allred, Flagman.

Subscribed and sworn to before me this 17th day of January, 1901

Hubert D. Page
U.S. Deputy Surveyor

SEAL

4-141

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, Hubert D. Page U.S. Deputy Surveyor & Compassman for James M. Lentz, United States Deputy Surveyor, solemnly swear that, in pursuance of a contract received from Jacob B. Blair United States Surveyor General for the District of Utah, bearing date of 14th day of March 1900, 189, I have well, faithfully, and truly, in my proper person, and in strict conformity with the instructions furnished by the United States Surve General for the District of Utah, the Manual of Surveying Instructions, and the laws of United States, surveyed all those parts or portions of the South and West Boundaries of T 34 S R 23 E

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

Hubert D. Page U.S. Deputy Surveyor & Compassman for James M. Lentz.

United States Deputy Surve

Subscribed by said Hubert D. Page, and sworn to before me this 25th day of May 1901, 189

Edward H. Anderson

U.S. Surveyor General for Utah

SEAL

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City Utah June 14 1902 18

The foregoing field notes of the survey of the South and West Boundaries of T 34 S R 23 E of the Salt Lake Mer and Meridian, Utah

executed by Hubert D. Page U.S. Deputy Surveyor & Compassman for James M. Lentz U.S. Deputy Surve under his contract No. 238, dated March 14 1900, 189, having critically examined, and the necessary corrections and explanations made, the said field notes, and surveys they describe, are hereby approved.

Edward H. Anderson

United States Surveyor Gen

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

United States Surveyor Gene

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BOOK A-280

329

FIELD NOTES

OF THE SURVEY OF THE

Subdivision

of

Township No. 34 South

Range No. 23 East

Of the Salt Lake Base and Meridian,

In the state of Utah

AS SURVEYED BY

Hubert D. Page, U.S. Deputy Surveyor compassman

for James M. Lentz, United States Deputy Surveyor,

Under his Contract No. 238, dated March 14th, 1900

Survey commenced January 10th, 1901

Survey completed January 17th, 1901

6—161

M. chs. links

Sub- high 58 - 63 - 66 ✓

low — 1 - 12 - 22 ✓ 59 75 - 88

NAMES AND DUTIES OF ASSISTANTS.

John E. Rogerson	Chainman
Ezra Dalton	"
Peter Christensen	Mound man
Julius Hovingkoff	axe man
George Dalton	Flagman

For preliminary affidavits see book E, Tp 33 S, R 23 E

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Volume
#
R0280

BOOK A-280

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Meanders Page.....

PRELIMINARY OATHS OF ASSISTANTS.

WE, ... and .....
do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level
chain 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 assis
measuring, to the best of our skill and ability, and in accordance with instructions given us, in the surve
.....

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

..... *Axm*

..... *Axm*

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

SEAL

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

6—151

Subdivision of T. 34 S. R. 23 E.

Chains	
	Survey commenced January 10, 1901 and executed with the instrument described in book A of this survey. I know the instrument to be in adjustment by recent observations made January 8, 1901 and recorded in book F of this survey. At 8 a.m. l.m.t. I set off 37° 49' N. on lat. arc: 22° 56' S. on decl. arc: and determine a true meridian with the solar. On the S. bdy. of the Tp. at the cor of secs. 1.2.35 and 36. heretofore described, Thence I run N. 0° 1' W. bet. secs. 35 and 36. Over rolling land, through dense artemesia ascending.
11.25	Mill road, bears N. 40° E and S. 40° W.
33.00	Ridge, 50 ft. high, bears N. E. & S. W. descend.
39.00	Dhan drains, N. 40° E. ascend.
40.00	Set a Sandstone, 14 x 10 x 5 ins. 10 ins. in the ground, for ¼ Sec. cor., marked ¼ S. 35 on the W. and 36 on E. faces: and raise a mound of stone, 2 ft. base, 1½ high. W. of cor. Pits impracticable. Enter scattering timber, bears N. E. & S. W.
71.00	Leave scattering timber, bears N. and E.
72.55	Wire fence, bears E. and W.
75.45	Road to Deadline, bears E. and W.
77.00	Wire fence, bears E. and W.
80.00	Set a Sandstone, 14 x 10 x 6 ins. 10 ins. in the ground, for cor. of secs. 25.26.35 and 36., marked with one

Subdivision of T. 34 S. R. 23 E. Continued

Chains	
	notch on the S. and one notch on the E. edges and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
	Pits impracticable.
	Land rolling.
	Soil, loam, 2nd. Rate.
	Dense undergrowth. 80.00 Chs.
	E. on a random line, bet. secs. 25 and 36 to pass obstacles offset 20 lks. S.
40.00	Set a temp. ¼ sec. cor.
80.00	Intersect Tobeado Guide Meridian 20 lks. S. of cor. of secs. 25, 30, 31 and 36 hereto be described. Thence I run
	W. on a true line bet. secs. 25 and 36. Over level land, under cultivation.
4.00	Wire fence, bears N. and S.
24.00	Wire fence, bears N. and S.
34.50	Wire fence, bears N. and S.
40.00	Set a sandstone, 14 x 10 x 6 ins. 10 ins. in the ground, for ¼ sec. cor., marked ¼ S. 25 on the N. and 36 on the S. faces: and raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.
	Pits impracticable.
41.20	Irrigating ditch, 4 links wide Course N. 40° W.
45.10	Log house, 40 x 16 ft., belonging to Parley Butts, stands N. and S.
	To pass the log house I offset 20 links, S. and run W.
48.00	Verdure post office in Log house of G. A. Adams, 30 x 30 ft., stands N. & S. and E. & W. 5 lks. S. of line.
	Begin ascent.

Subdivision of T. 34 S. R. 23 E. Continued

Chains	
50.70	Pole fence, bears N. and S.
51.30	Road from Moab to Bluff bears N. and S.
51.95	Pole fence, bears N. and S.
	Verdure School house, bears S. 30 links dist.
65.00	Parley Butts' frame house, 16×32 ft. 5 lks. N. Stands N. and S.
	Parley Butts' log dwelling house, bears N. 2 chs. dist.
	Offset 20 lks. N. to true line.
68.00	Irrigating ditch flows S. 4 lks wide.
	Enter scattering timber and scrub oak.
74.00	Top of Spur, projecting N. Begin descent.
77.00	Leave scattering timber and scrub oak.
80.00	The cor. of secs. 25, 26, 35 and 36.
	Land rolling and level.
	Soil, loam and bottom land. 1st. and 2nd. Rate.
	Timber Cedar and pin on.
	N. 0° 1' W. bet. Secs. 25 and 26.
	Over bottom land, descend.
7.00	South Montezuma Creek, dry at time of survey, wash, 8 ft. wide, and 8 ft. deep, drains E. ascend.
10.00	Begin ascent, over huge Sandstone boulders, leading to perpendicular ledges 100 ft. high.
	point for triangulation.
	To determine the dist. to the top of the ledges, I set a flag on line on the edge of the ledges; then measure a base N. 99° 59' E.

Subdivision of T. 34 S. R. 23 E. Continued

Chains	
	5 Chains to a point from which the flag bears N. 39° 49' W.: from the flag the E. end of the base bears S. 39° 49' E.: therefore the dist. is tan. 50° 12' x base or 1.2002 x 5.00 = 6.00 chs.: making when added to 10.00, makes
16.00	Top of perpendicular Sandstone ledges, 100 ft. high bear E. and W.
	Enter dense timber, ascending.
29.00	Leave dense timber, bears E. and W.
40.00	Set a Sandstone 12 x 10 x 6 ins., 8 ins. in the ground, for ¼ Sec. cor., marked ¼ S. 26 on the W. and 25 on the E. faces: and raise a mound of stone 2 ft. base, 1½ ft. high W. of cor.
	Pits impracticable.
	Begin descent through artemisia
42.00	Enter cultivated ground bears N. E. and S. W.
44.00	Leave cultivated ground bears N. W. and S. E.
58.00	Wood road, bears E. and W.
73.50	Draw, 30 ft. deep, chains S. 80° E. ascend.
80.00	Set a Sandstone 12 x 12 x 4 ins. 8 ins. in the ground, for cor. of Secs. 23, 24, 25 and 26., marked with 2 notches on the S. and one on E. edges: and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
	Pits impracticable.
	Land rolling and broken
	Soil, stony and loam, 1st and 4th. Rate.
	Timber, cedar and pine on
	Dense undergrowth, heavily timber on mountainous land
	78.00 chs.

Subdivision of T. 34 S. R. 23 E. Continued

Chains	
	E. on a random line bet. secs. 24 & 25.
40.00	Set temp ¼ sec. cor.
79.96	Intersect Colorado Guide Meridian, 2 links S. of cor. of secs. 19, 24, 25 and 30 heretofore described.
	Thence I run
	S. 89° 59' W. on a true line bet. secs. 24 and 25.
	Over rolling land, through dense artemisia descend.
10.00	Draw 25 ft. deep, drains S. E. ascend.
38.00	Road from Moab to Bluff bears N. and S.
39.98	Set a sandstone 24 x 14 x 10 ins. 18 ins. in the ground for ¼ sec. cor, marked ¼ S. 24 on the N. and 25 on S. faces: and raise a mound of stone 2 ft. base, 1½ ft. high W. of cor. Pits impracticable.
79.96	The cor. of secs. 23, 24, 25 and 26.
	Land rolling
	Soil, loam, 2nd Rate.
	No timber.
	Dense undergrowth 79.96 chs.
	January 10. At this cor. I set off 21° 57' S. on the decl. arc: and at 8h 08m P. M. L. m. t., observe the sun on the meridian: the resulting lat. is 37° 50' N.
	N. 0° 1' W. bet. secs. 23 and 24
	Over rolling country, through dense artemisia and scattering scrub oak descending.

Subdivision of T. 34 S. R. 23 E. Continued

Chains	
14.00	Enter scattering dead timber
	Clean, 30 ft. deep, course E. ascend
14.50	Pole fence, bears E. and W.
40.00	Set a Sandstone, 12x12x4 ins. 8 ins. in the ground, for ¼ sec. cor. marked ¼ S. 23. on the W. and 24 on E. faces: and raise a mound of stone, 2 ft. base, 1½ ft. high W. of cor.
	Pits impracticable.
56.00	Top of ridge, bears N. 40° W. and S. 40° E.
	Begin descent, through
	scatting timber, bears N. and S.
74.00	Leave scattering timber.
80.00	Set a Trachytestone 30x24x6 ins. 23 ins. in the ground, for cor. of secs. 13x14x23 and 24, marked with 3 notches on S. and one one E. edges: and raise a mound of stone 2 ft. base, 1½ ft. high W. of cor.
	Pits impracticable.
	Land, rolling
	Soil, stony and loam, 2nd and 3rd Rate
	Timber, Cedar and Pinon,
	Dense undergrowth. 80.00 chs.

N. 89°59' E. on a random line bet. Secs. 13 and 24.

40.00	Set temp ¼ sec. cor.
80.00	Intersect Colorado Guide Meridian at cor. of Secs. 13, 18, 19 and 24. heretofore described.
	Thence I run
	S. 89°59' W. on a true line bet. Secs. 13 and 24
	Over level bottom land and dense oak brush.
5.00	Leave bottom land, ascend through dense artemisia

Subdivision of T. 33 S. R. 23 E. Continued

Chains	
15.00	Top of ridge, bears N. 40° W. and S. 40° E.
	Begin descent
30.00	Leave 15 ft. deep, drains, S. 40° E.
32.10	Road from Moab to Bluff, bears
	N. and S.
	Begin ascent
38.00	Enter scattering timber bears N. and S.
40.00	Set a Sandstone 18×12×8 ins.
	12 ins. in the ground, for
	¼ Sec. cor., marked ¼ S. 13 on
	the N. and 24 on S. faces: and
	raise a mound of Stone,
	2 ft. base, 1½ ft. high, W. of cor.
	Pits impracticable. descend.
40.15	Leave, drains S. 75° E., 20 ft. deep. ascend.
52.00	Top of ridge, 100 ft. high, bears
	N. 40° W. and S. 40° E. descend.
60.00	Leave scattering timber
	bears N. 40° W. and S. 40° E.
	Over bottom land, through
	artemisia
78.00	Wash, 10 ft. wide, 12 ft. deep,
	Course S. 50° E.
80.00	The cor. of secs. 13, 14, 23 and 24.
	Land, rolling and bottom land.
	Soil, loam, 1st and 2nd. Rate.
	Timber, Cedar and pinon.
	Dense undergrowth, 80.00 chs.

	N. 0° 1' W. bet. secs. 13 and 14
	Over bottom land, and
	artemisia.
1.25	Wash, 10 ft. wide, 12 ft. deep
	Course S. 85° E.
8.00	Leave bottom land, ascend
	through oak bush and
	scattering timber, bears N. W. and S. E.
30.00	Top of ridge, bears N. 80° W. and S. 80° E.

Subdivision of T. 34 S. R. 24 E. Contin

Chains	
	Leave scattering timber, descend.
40.00	Set a sandstone 15×12×4 ins. 10 ins. in the ground, for ¼ sec. cor., marked ¼ S. 14. on the W. and 13 on E. faces: and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor. Pits impracticable.
	Begin gradual ascend.
42.00	Wash, 10 ft. deep, chains E.
68.00	Wash, 10 ft. deep, chains E.
80.00	Set a sandstone, 12×11×6 ins. 8 ins. in the ground, for cor. of secs. 11, 12, 13 and 14, marked with 4 notches on the S. and one on the E. edges: and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor. Pits impracticable.
	Land, bottom land and rolling.
	Soil, loam, 1st and 2nd Rate.
	Timber, Cedar and pinon.
	Dense undergrowth. 80.00 Chs.

	N. 89° 59' E. on a random line bet. secs. 12 and 13.
40.00	Set temp. ¼ sec. cor.
79.90	Intersect Colorado Guide Meridian, 7 links N. of cor. of secs. 7, 12, 13 and 18. hereafter described. Thence I run N. 89° 58' W. on a true line bet. secs. 12 and 13. through scrub oak. Ascend gradually along the S. bank of a draw. Course E.
27.00	Road from Bluff to Moab bears N. and S.
39.95	Set a sandstone 15×10×4 ins. 10 ins. in the ground, for ¼ sec. cor.

Subdivision of T. 33 S. R. 24 E. Continued

Chains	
	marked ¼ S. 12 on the N. and 13 on S. faces: and raise a mound of stone, 1½ ft. high, 2 ft. base. N. of cor.
	Pits impracticable
79.90	The cor. of secs. 11, 12, 13 and 14.
	Land broken.
	Soil, stony and loam, 2nd and 3rd Rate
	No timber.
	Dense undergrowth. 79.90 chs.
	N. 0° 1' W. bet. secs. 11 and 12.
	Gradual ascent through dense artemisia and scattering oak.
40.00	Set a Sandstone 20 x 15 x 6 ins. 15 ins. in the ground, for ¼ sec. cor., marked ¼ S. 11 on the W. and 12 on E. faces: and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
	Pits impracticable. descend.
50.00	Wash, 10 ft. deep, chains E.
68.00	Draw, 50 ft. deep, chains E. ascend.
80.00	Set a Sandstone, 15 x 14 x 3 ins., 10 ins. in the ground, for cor. of secs. 1, 2, 11 and 12., marked with 5 notches on the S. and one on E. edges: and raise a mound of stone 2 ft. base, 1½ ft. high. W. of cor.
	Pits impracticable.
	Land, rolling.
	Soil, loam 2nd Rate.
	No timber.
	Dense undergrowth. 80.00 chs.
	January 10, 1901.

Subdivision of T. 34 S. R. 23 E. Continu

Chains	
	January 11: At 8 a.m. l.m.t. I set off 37°53' N on the lat. arc. 21°47' S. 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 S. 89°58' E. on a random line bet. secs. 1 and 12.
40.00	Set temp. ¼ sec. cor.
79.96	Intersect Colorado Guide Meridian, 3 links N. of cor. of secs. 1, 6, 7 and 12 heretofore described. Thence I run N. 89°59' W. on a true line bet. secs 1 and 12
1.10	Bottom of Draw, 60 ft. deep, drains N. 70° E. Ascending N. bank of a draw 60 ft. deep, Course N. 70° E. through dense scrub oak.
7.50	Road from Moab to Bluff bears N. 50° E. and S. 50° W.
9.00	Leave dense oak and draw, over nearly level land, sloping N. W. through artimesa and scattering scrub oak.
39.98	Set a trachyte stone 24 x 14 x 8 ins. 18 ins. in the ground, for ¼ sec. cor. marked, ¼ S. 1 on N. and 12 on S. faces: and raise a mound of stone, 2 ft. base, 1½ ft. high. N. of cor. Pits impracticable. descend.
68.00	Draw, 40 ft. deep, drains N. 35° E. ascend.
79.96	The cor. of secs. 1, 2, 11 and 12.
	Land rolling.
	Soil loam. 2nd Rate.
	No timber
	Dense undergrowth. 79.96 chs.

Subdivision of T. 34 S. R. 23 E. Continued.

Chains	
	N. 0° 1' W. on a random line bet. Secs. 1 and 2.
40.00	Set temp. ¼ sec. cor.
80.00	Intersect N. bdy. of Tp. 3 links E. of cor. of Secs. 1, 2, 35 and 36, heretofore described. Thence I run
	S. 00° 02' E. on a true line bet. Secs. 1 and 2.
	Over bottom land through dense scrub oak.
4.50	Wood road, bears E. and W.
5.00	South fork of North Montezuma creek, 4 links wide, 3 ins. deep. Course E.
	Steep ascent through dense scrub oak.
9.50	Top of steep ascent, gentle ascent over rolling land through artemisia and scattering oak
40.00	Set a sandstone 18x12x3 ins. 12 ins. in the ground, for ¼ sec. cor., marked ¼ S. 2 on the W. and 1 on E. faces: and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
	Pits impracticable descend.
73.00	Draw, 60 ft. deep, Course N. 35° E.
80.00	The cor. of Secs. 1, 2, 11 and 12.
	Land, rolling and bottom.
	Soil, loam, 1st and 2nd. Rate
	No timber.
	Dense undergrowth 80.00 chs.
	From the cor. of Secs. 2, 3, 34 and 35, on S. bdy. of the Tp. heretofore described.
	N. 0° 1' W. bet. Secs. 34 and 35.
	Over rolling land, through dense artemisia gentle ascent.
32.00	Begin descent, through scrub oak.

Subdivision of T. 34 S. R. 24 E. Contd

Chains	
40.00	Set a sandstone 14x12x4 ins. 8 ins. in the ground, for ¼ sec. cor. marked ¼ S. 34 on W. and 35 on E. faces: and raise a mound of stone, 2½ ft. base, 1½ ft. high, W. of cor. Pits impracticable.
65.00	Draw, 60 ft. deep, drains, N. 60° E ascend
70.00	Enter dead timber, bears E & W.
75.00	Top of Spur projecting N. E. Begin Steep descent, leave timber
79.00	Begin gradual descent
80.00	Set a sandstone 30x14x6 ins 23 ins. in the ground for cor of secs. 26, 27, 34 & 35, marked with one notch on S. and 2 notches on E. edges: and raise a mound of stone 2 ft. base, 1½ ft. high W. of cor. Pits impracticable. Land rolling. Soil, loam, 2nd. Rate Timber pin on. Dense undergrowth. 80.00 chs. January 11th 1901

January 12. At 8 a.m., l. m. t. I set off 37° 50' N on the lat. arc. 21° 37' S. on the decl. arc and determine a true meridian, with the solar, at the cor. of secs. 26, 27, 34 & 35.
Thence I run
E. on a random line bet. secs. 26 & 35

40.00	Set a temp ¼ sec. cor
79.90	Intersect N. & S. line, 3 links N. of cor. of secs. 25, 26, 35 & 36. Thence I run

Subdivision of T. 34 S. R. 23 E. Continued

Chains	
	N. 89° 59' W. on a true line bet. secs. 26 and 35.
	Gentle ascent over cultivated land.
8.00	Wire fence, bears N. and S.
10.22	Wire fence, N. 20° W. and S. 20° E.
	Leave cultivated land. enter scattering cedar, and dense artemisia bears N. and S., R. Hott dwelling house bears N., 15 chs. dist.
10.32	Road to Eudora, N. 21° W. and S. 20° E.
20.00	Wash, 3 ft. wide, 5 ft. deep. drains N.E.
32.00	Wire fence, bears S.W. and N.E.
39.95	Set a sandstone 20x10x4 ins. 15 ins. in the ground, for ¼ sec. cor. marked ¼ S. 26 on N. and 35 on S. faces: and raise a mound of stone, 2 ft. base, 1½ ft. high. N. of cor. Pits impracticable.
	Leave scattering cedar, bear N. and S. descend through dense scrub oak and service berry bushes.
65.00	Wire fence, bears S. 70° W. and N. 70° E.
79.60	Wire fence, bears N. 80° W. and S. 80° E.
79.90	The Cor. of Secs. 26, 27, 34 and 35.
	Land rolling.
69.68 / 10.22	Soil loam, 1st and 2nd Rate. Timber Cedar. Dense undergrowth 69.68 chs.

	N. 0° 1' W. bet. secs. 26 and 27. descend, through dense scrub oak and service berry bushes.
.15	Wire fence, bears N. 80° W. and S. 80° E.
11.75	Wire fence, bears E. and W.
14.00	Enter cultivated ground, bears E. and W.
18.65	South Montezuma Creek, 5 lks. wide 4 ins. deep, pure water course E.

Chains	
	Leave Cultivated ground.
18.80	Begin ascent, over large sandstone boulders, leading to perpendicular ledges 100 ft. high, through dense scrub oak and timber.
	Point for triangulation.
	To determine the dist. to the top of the ledges, I set a flag on line, on the edge of the ledges: then measure a base N. 89°59' E., 5.00 chs. dist. to a point from which the flag bears N. 31°42' W.: from the flag the E. end of the base bears S. 31°42' E. therefore the dist. is tan. 48°19' × base or 1.620 × 5.00 = 8.10 chs. which when added to 18.80 makes
26.90	Top of Sandstone ledges, 100 ft. high, bearing E. and W.
	Ascending through dense timber.
32.00	Begin gradual descent, leave dense timber, enter artemisia and scattering scrub oak.
40.00	Set a Sandstone 15×12×6 ins. 10 ins. in the ground, for ¼ sec. cor., marked ¼ S. 27 on the W., and 26 on E. faces: and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
	Pits impracticable.
49.00	Enter timber, bears E. and W.
71.00	Leave timber bears E. and W.
80.00	Set a Sandstone 18×10×5 ins. 12 ins. in the ground, for cor. of secs. 22, 23, 26 and 27, marked with 2 notches on the S. and 2 notches on E. edge: and raise a mound of stone, 2 ft. base 1½ ft. high, W. of cor. from which

Subdivision of T. 34 S. R. 23 E. Continued

Chains	
	The only tree within limits is a cedar, 8 ins. diam. bears E. 97 lks. dist. marked T. 34 S. R. 23 E., S. 23, S. 26, B. T. Pits impracticable. Land, rolling and mountainous Soil, stony and loam, 2nd and 4th Rate. Timber, cedar and pinon. Dense undergrowth on mountainous land 80.00 chs.
	S. 89°59' E. on a random line bet. secs. 23 and 26.
40.00	Set temp. ¼ sec. cor.
79.96	Intersect W. and S. line, 7 links S. of cor. of secs. 23, 24, 25 and 26. Thence I run S. 89°58' W. on a true line bet. secs. 23 and 26. Descending over rolling country, through artemisia and scattering timber and dense scrub oak
10.00	Draw, 50 ft. deep, drains S. 60° E. ascend
30.50	Pole fence, bears W. and S.
35.00	Enter dense timber, bears W. and S.
38.00	Leave dense timber, bears N.W. and S. E.
39.98	Set a sandstone 14x10x4 ins. 10 ins. in the ground for ¼ sec. cor., marked ¼ S. 23 on the N. and 26 on S. faces; and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor. Pits impracticable
46.00	Enter dense timber bears W. and S.
68.00	Leave dense timber, bears W. and S.
79.96	The Cor. of secs. 22, 23, 26 and 27. Land rolling Soil, loam 2nd Rate. Timber, cedar and pinon Heavily timbered or dense undergrowth 79.96 chs

Subdivision of T. 34 S. N. 23 E. Contin

Chains	
	N. 0° 1' W. bet. secs. 22 and 23.
	Gradual descent over rolling land, through scattering timber, scrub oak and Sewiceberry bushes
32.00	Draw. 50 ft. deep drains S. E. ascend.
40.00	Set a sandstone 12×10×6 ins. 8 ins. in the ground, for ¼ sec. cor., marked ¼ S. 22 on W. and 23 on E. faces: and raise a mound of stone, 2 ft. base. 1½ ft. high. W. of cor.
	Pits impracticable. descend.
46.00	Draw. 60 ft. deep drains. E. ascend.
80.00	Set a sandstone 14×10×7 ins. 10 ins. in the ground, for ¼ sec. cor., of secs. 14, 15, 22 and 23, marked with 3 notches on the S. and two on E. edges: and raise a mound of stone, 2 ft. base. 1½ ft. high; W. of cor.
	Pits impracticable.
	Land rolling
	Soil loam 2nd. Rate
	Timber, Cedar and pin on.
	Dense undergrowth 80.00 chs.
	January 12: At this cor. I set off 21° 38' S. on the decl. arc: and at 0h 08m P. M., l. m. t., observe the sun on the meridian: the resulting lat. is 37° 51' N.
	N. 89° 58' E. on a random line bet. secs. 14 and 23.
40.00	Set temp. ¼ sec. cor.
80.00	Intersect N. and S. line at cor of Secs. 13, 14, 23 and 24.
	Thence I run

Subdivisions of T. 34. S., R. 23 E.

Chains	
	S. 89° 58' W. on a true line. bet. Secs. 14 and 23. Gradual ascent over rolling land through dense artemisia and scattering scrub oak.
10.00	Enter heavy cedar and pinon timber, bears N. and S.
36.00	Leave timber bears N. and S.
40.00	Set a sandstone 15x10x9 ins., 10 ins. in the ground. for ¼ Sec. Cor. marked ¼ S. 14. on N. and 23 on S. faces: and raise a mound of stone, 2 ft. base, 1½ ft. high, N. of Cor. Pits impracticable.
48.00	Enter heavy timber, bears N. and S.
69.00	Leave timber. bears N. and S.
80.00	The Cor. of Secs. 14x15x22 and 23 land rolling. Soil, loam 2nd. Rate. Timber, cedar and pinon. dense undergrowth. 80.00 chs.

	N. 0° 1' W. bet. Secs. 14 and 15. Gradual ascent through dense artemisia and scrub oak.
6.00	Top of ridge, bears E. and W. descend.
19.00	Bottom of ravine, 50 ft. deep, Course E. ascend.
36.00	Top of spur, projects E. descend. Enter scattering timber.
40.00	Set a sandstone 18x14x8 ins. 12 ins. in the ground, for ¼ Sec. Cor., marked ¼ S. 15 on the W. and 14 on the E. faces: from which a pinion, 6 ins. diam., bears N. 40° W. 35 lks. dist. marked ¼ S. 15. B. T. No other bearing trees within limits. And raise a mound of stone,

Subdivision of T. 34 S. R. 23 E. Contin

Chains	
	2 ft. base, 1½ ft. high, N. of Cor.
	Pits impracticable.
56.50	Top of spur, projects E.
	Begin steep descent.
71.50	Ravine, 150 ft. deep. Course E.
	Begin steep ascent.
80.00	Set a porphyry stone, 15 x 12 x 4 ins.
	10 ins in the ground, for Cor.
	of Secs. 10, 11, 14 and 15, marked with
	4 notches on the S. and 2 notches
	on E. edges: from which
	A Cedar, 8 ins diam. bears S. 62° W. 22 lks.
	dist. Marked T. 34 S. R. 23 E., S. 15. B. T.
	A Cedar, 8 ins diam., bears N. 39° W. 47 lks. dist.
	Marked T. 34 S. R. 23 E., S. 10. B. T.
	No other trees within limits.
	And raise a mound of stone,
	2 ft. base, 1½ ft. high, N. of Cor.
	Pits impracticable.
	Land rolling.
	Soil loam. 3rd Rate.
	Timber Cedar and pine.
	Dense undergrowth 80.00 chs.
	N. 89° 58' E. on a random line
	bet. Secs. 11 and 14.
40.00	Set temp. ¼ Sec. Cor.
79.98	Intersect N. and S. line 9 lks. S.
	of Cor. of Secs. 11, 12, 13 and 14.
	Thence run
	S. 89° 54' W. on a true line
	bet. Secs. 11 and 14.
	Over rolling land, ascend
	through dense artemisia
	and oak bush.
39.99	Set a sandstone 15 x 12 x 6 ins
	10 ins in the ground for ¼ Sec.
	Cor. marked ¼ S. 11 on N. and 14.

Subdivision of T. 34 S. R. 23 E. Continued

Chains	
	on S. faces: and raise a mound of stone, 2 ft. base, 1½ ft. high, N. of Cor. Pits impracticable. Thence along the N. side of a ravine, Course N. 80 E.
49.00	Enter scattering timber, bears N. W. and S. E.
79.98	The Cor. of Secs. 10, 11, 14 and 15. Land rolling. Soil loam. 2nd Rate. Timber, Cedar and pinion. Dense undergrowth. 79.98 chs.
	N. 0° W. bet. Secs. 10 and 11 Ascending through dense artemisia, scrub oak and scattering timber.
8.50	Top of ascent, begin descent over rolling land. Leave timber.
40.00	Set a sandstone 12 x 8 x 6 ins., 8 ins. in the ground, for ¼ Sec. Cor. Marked ¼ S. 10. on the W. and 11. on E. faces: and raise a mound of stone, 2 ft. base, 1½ ft. high, N. of Cor. Pits impracticable.
42.00	Ravine, 100 ft. deep, Course N. E. ascend.
56.25	Top of ridge, and old road, bears N. E. and S. W. descend.
64.75	Bottom of ravine, 60 ft. deep, Course N. E. ascend.
80.00	Set a sandstone 18 x 8 x 6 ins. 12 ins. in the ground, for Cor. of Secs. 2, 3, 10 and 11, marked with 5 notches on S. and 2 notches on E. edges: from which

Subdivision of T. 34 S. R. 23 E. Continued

Chains	
	A Cedar, 14 ins. diam. bears N. 82° W. 25 lks. dist. Marked T. 34 S. R. 23 E. S. 3. B. T.
	A Cedar, 15 ins. diam. bears S. 85 W. 55 lks. dist. marked T. 34 S. R. 23 E. S. 10. B. T.
	No other trees within limits.
	And raise a mound of stone, 2 ft. base, 1½ ft. high, W. of Cor.
	Pits impracticable.
	Land rolling.
	Soil loam. 2nd Rate.
	Timber Cedar and pinion
	Dense undergrowth 80.00 chs.
	January 12. 1901
	January 13: At 8 A.M. l.m.t. I set off 37°53' N. on the lat. arc: 21°27' 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° 54' E. on a random line, bet. secs. 2 and 11.
40.00	Set temp. ¼ sec. Cor.
79.96	Intersect N. and S. line, 5 lks. N. of Cor. of secs. 1, 2, 11 and 12.
	Thence I run
	S. 89° 56' W. on a true line, bet. secs. 2 and 11.
	Over rolling land, descend through dense artemisia and scrub oak.
13.00	Draw, 40 ft. deep, Course N. E. ascend.
39.98	Set a Sandstone 18 x 12 x 3 ins. 12 ins. in the ground, for ¼ sec. Cor. marked ¼ S. 2. on the N. and 11 on S. faces: and raise a Mound of Stone, 2 ft. base, 1½ ft. high, W. of Cor.
	Pits impracticable: descend.
60.00	Draw, 40 ft. deep, Course N. ascend.

Subdivision of T. 34 S. R. 23 E. Continued

Chains	
66.00	Old road bears N.E. and S.W. descend.
76.00	Draw 30 ft. deep, drains N. ascend.
79.96	The cor. of secs. 2, 3, 10 and 11.
	Land rolling.
	Soil loam. 2nd Rate.
	No timber.
	Dense undergrowth 79.96 chs.

	N. 0° 01' W. on a random line bet. secs. 2 and 3.
40.00	Set temp. ¼ sec. cor.
80.10	Intersect N. bdy. of Tp. 3 lks. E. of cor. of secs. 2, 3, 34 and 35. heretofore described.
	Thence I run S. 0° 02' E. on a true line, bet. secs. 2 and 3.
	Descend through dense artemisia and scrub oak.
40.10	Set a porphyry stone 12 x 12 x 8 ins. 8 ins. in the ground, for ¼ sec. cor., marked ¼ S. 3 on the W. and 2 on E. faces: and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor. Pits impracticable.
50.00	Ravine 60 ft. deep. Course S.E. ascend.
51.00	Begin descent.
51.50	Ravine 30 ft. deep. Course E. ascend.
53.00	Begin descent.
68.00	South fork of North Montezuma Creek, now dry, and Cañon 200 ft. deep, Course N. 75 E. ascend.
80.10	The cor. of secs. 2, 3, 10 and 11.
	Land rolling and mountainous.
	Soil loam 2nd Rate
	No timber
	Mountainous land or dense undergrowth 80.10 chs.

Subdivision of T. 34 S. R. 23 E. Continued.

Chains	
	From the Cor. of secs. 3, 4, 33 and 34 on S.B. of R. heretofore described, I run N. 0°02' W. bet. secs. 33 and 34.
	Over rolling land, descend through dense artemisia and oak brush.
20.00	Road bears E. and W.
40.00	Set a sandstone 15×12×8 ins. 10 ins. in the ground, for ¼ sec. Cor. marked ¼ S. 33, on W. and 34, on E. faces: and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of Cor. Pits impracticable.
43.00	Draw, 50 ft. deep, drains S. E. ascend.
65.00	Top of ridge, 200 ft. above sec. cor. bears N. W. and S. E. descend.
67.00	Begin ascent.
70.00	Top of bare ridge, 250 ft. above sec. cor. bears N. W. and S. E. descend.
80.00	Set a sandstone 12×7×7 ins. 8 ins. in the ground, for cor. of secs. 27, 28, 33 and 34, marked with 1 notch on the S. and 3 notches on E. edges: and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor. Pits impracticable.
	Land rolling.
	Soil stone and loam, 2nd and 3rd Rate.
	No timber.
	Mountainous land or dense undergrowth. 80.00 chs.
	East, on a random line, bet. secs. 27 and 34.
40.00	Set temp. ¼ sec. cor.
80.10	Intersect N. and S. line, 7 lks. N. of cor. of secs. 26, 27, 34 and 35.
	Thence I run N. 89°57' W. on a true line, bet. secs. 27 and 34.

Subdivision of T. 34 S. R. 23 E. Continued

Chains	
	Descending over rolling land, along the N. slope of the S. bank of South Montezuma Cañon, through dense oak brush and scattering Cedar and pinon timber.
28.00	Draw 40 ft. deep, Course N. Ascend.
40.05	Set a sandstone 15 x 12 x 3 ins. 10 ins. in the ground, for ¼ Sec. Cor. marked ¼ S. 27. on the N. and 34. on S. faces. And raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor. Pits impracticable.
72.00	Begin descent.
76.00	Draw 30 ft. deep, Drains N. Ascend. Leave scattering timber.
80.10	The cor. of Secs. 27, 28, 33 and 34. Land mountainous. Soil sandy and stony 3rd Rate. Timber Cedar and pinon. Dense undergrowth on Mountainous land. 80.10 chs.
	N 0° 2' W bet. Secs. 27 and 28. Over rocky soil, steep descent, through dense scrub oak.
28.00	South Montezuma Creek, now dry, in Cañon 600 ft. deep. Course E. ascend.
30.00	Top of sandstone ledges, 25 ft. high, bed E. and W. Gradual ascent, through scattering timber.
40.00	Set a sandstone 18 x 15 x 4 ins. 12 ins. in the ground for ¼ Sec. Cor. marked ¼ S. 28 on W. and

Subdivision of T. 24 S. R. 23 E. Con't

Chains	
	27. on E. faces.
	from which
	A pinon, 12 ins. diam., bears N. 82° E.
	65 lks. dist. marked ¼ S. 27. B. T.
	A pinon, 10 ins. diam., bears S. 25° W.
	1.00 ch. dist. marked ¼ S. 28 B. T.
60.00	Top of Sands tone ledges.
	80 ft. high, bear E. and W.
61.00	Leave timber, bears E. and W.
	Enter dense artemisia and oak.
80.00	Set a Sands tone 15 x 12 x 7 ins.
	10 ins. in the ground for Cor.
	of secs. 21, 22, 27 and 28. marked
	with 2 notches on the S. and
	3 notches on the E. edges.
	and raise a mound of stone,
	2 ft. base, 1½ ft. high, W. of Cor.
	Pits impracticable.
	Land mountainous
	Soil, stony and loam.
	2nd and 3rd Rate.
	Timber, cedar, pinon and pine
	Mountainous land or dense
	undergrowth. 80.00 chs.
	January 13: At this Cor I
	set off 21° 28' S. on the
	elect. arc: and at 0h 09m p. m.
	I went to observe the sun on
	the meridian, the
	resulting lat. is 37° 50' N.
	S. 89° 57' E. on a random line
	bet. secs. 22 and 27.
40.00	Set temp. ¼ sec. cor.
80.06	Intersect N. and S. line, 5 lks.
	S. of Cor. of secs. 22, 23, 26 and 27.
	Thence I run

Subdivision of T. 34 S. R. 23 E. Continue

Chains	
	N. 89° 59' W. on a true line bet. Secs. 22 and 27.
	Ascending through scrub oak and Service berry bushes.
15.00	Top of ridge, bears N. and S. descend.
22.00	Draw, 40 ft. deep, chains N. ascend
40.03	Set a Sandstone 18 x 12 x 6 ins. 12 ins. in the ground, for, ¼ sec. cor., marked ¼ S. 22 on the N. and 27. on S. faces: and raise a mound of Stone, 2 ft. base, 1½ ft. high, N. of Cor. Pits impracticable.
	This cor. is on top of ridge bearing N. 30° W and S. 30° E.
	Begin descent.
74.00	Wash, 10 ft. deep, 12 ft wide, chains S. 30° E.
80.06	The cor. of Secs. 21, 22, 27 and 28.
	Land rolling.
	Soil, loam, 2nd Rate
	No timber
	Dense undergrowth 80.06 chs.
	N. 0° 2' W. bet. secs. 21 and 22.
	Ascending over rolling land, through dense artemisia and scrub oak.
10.50	Wash, 12 ft. deep, 14 ft. wide chains S. 30° E.
35.85	Wash, 10 ft. deep, 8 ft. wide, chains S. 80° E.
40.00	Set a Sandstone, 18 x 12 x 6 ins. 12 ins. in the ground, for ¼ sec. cor. marked ¼ S. 21, on the W. and 22 on E. faces: and raise a mound of Stone, 2 ft. base 1½ ft. high, W. of Cor.

Chains	
	Pits impracticable
	Top of ascent, over rolling
	land, descent
61.00	Draw, 20 ft deep drains E. ascent
65.00	Begin steep descent into draw.
80.00	Set a Sandstone, 20×10×4 ins.
	15 ins. in the ground, for
	Cor. of secs. 15, 16, 21 and 22.
	marked
	T. 34 S., S. 15 on N. E.
	R. 23 E., S. 22 on S. E.
	S. 21 on S. W. and
	S. 16 on N. W. faces: with 3
	notches on S. and E. edges: and
	raise a mound of stone
	2 ft base, ½ ft high, W. of Cor.
	Pits impracticable.
	Land, rolling.
	Soil, stony and loam.
	2nd and 3rd Rate.
	No timber
	Dense undergrowth 80.00 chs.
	S. 89°59' E. on a random line bet.
	secs. 15 and 22
40.00	Set temp. ¼ sec. cor.
80.00	Intersect N. and S. line, at Cor.
	of secs. 14, 15, 22 and 23.
	Thence I run
	S. 89°59' W. on a true line, bet. secs. 15 and 22.
	Gradual descent, through oak
	brush, scattering timber and
	dense artemisia
36.00	Draw, 100 ft. deep, drains S. 10° E. Ascend.
40.00	Set a Sandstone 20×15×4 ins.
	15 ins. in the ground, for ¼
	sec. cor., marked ¼ S. 15 on the
	N. and 22 on S. faces: and raise

Subdivision of T. 34 S. R. 23 E. Continue

Chains	
	a mound of stone, 2 ft base, 1½ ft high. W. of cor.
	Pits impracticable descend
46.00	Dhan, 40 ft deep, chains, S.E.
67.00	Dhan, 60 ft deep, chains, S.E. ascend.
72.00	Sandstone ledges, 25 ft. high begin descent into dhan.
76.00	Leave, scattering timber, enter bottom land.
77.00	Wash, 8 ft. deep, 6 ft. wide, in bottom of dhan 200 ft. deep. Course S. 75° E.
80.00	The cor. of secs. 15, 16, 21 and 22
	Land, rolling.
	Soil, stony, bottom land, and loam, 1st, 2nd and 3rd Rate.
	Timber: cedar and pinon.
	Dense undergrowth. 80.00 chs.
	N. 0° 2' W. bet. secs. 15 and 16.
	Over bottom land.
.85	Wash, 8 ft deep, 6 ft wide, in bottom of dhan, 200 ft. deep. Course S. 75° E.
2.00	Leave bottom land, ascend through scrub oak, artemisia and scattering timber.
10.65	Wash, 8 ft wide, 10 ft. deep, chains S. W.
32.00	Leave scattering timber.
40.00	Set a sandstone, 18×12×4 ins. 12 ins. in the ground, for ¼ sec. cor., marked, ¼ S. 16 on W. and 15 on E. faces: and raise a mound of stone 2 ft. base, 1½ ft. high, W. of cor.
	Pits impracticable.
42.00	Top of bare ridge, 300 ft. above

Subdivision of T. 34 S. R. 23 E. Contd.

Chains	
	Sec. cor., bears E. and W.
	Begin descent.
55.00	Wash, 8 ft. deep, 10 ft. wide, drains N. 30° W.
64.50	Draw, 60 ft. deep, drains E. Ascend.
80.00	Set a Sandstone 18x12x6 ins. 12 ins. in the ground, for cor. of secs. 9, 10, 15 and 16, marked with 4 notches on S. and 3 on E. edges: and raise a mound of Stone, 2 ft. base, 1½ ft. high. W. of Cor.
	Pits impracticable.
	Land rolling.
	Soil, stony and loam, 1st, 2nd and 3rd Rate.
	Timber cedar and pinon
	Dense undergrowth, 80.00 chs.
	January 13, 1901
	January 14: At 8 am. l. m. t. I set off 37° 52' N on the lat. arc 21° 17' 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
	S. 89° 59' E. on a random line, bet. secs. 10 and 15.
40.00	Set temp ¼ sec. cor.
80.00	Intersect N. and S. line, at cor. of secs. 10, 11, 14 and 15.
	Thence I run
	N. 89° 59' W. on a true line bet. secs. 10 and 15.
	Gradual ascent over rolling land, through dense Artemisia scattering timber and scrub oak.
4.50	Leave scattering timber NE & SW
21.00	Top of ridge, bears N.E. and S.W. ascend along ridge.
29.00	Top of Saddle bears N.W. and S.E. descend

Subdivision of T. 34 S. R. 26 E. Continued

Chains.	
31.00	Begin ascent.
35.00	Top of spur, projects N. 70° E. descend.
40.00	Set a sandstone 18 x 10 x 3 ins. 12 ins. in the ground, for ¼ Sec. Cor. Marked ¼ S. 10. on N. and 15 on S. faces: and raise a mound of stone. 2 ft. base, 1½ ft. high, N. of Cor. Pits impracticable.
55.00	Wash, 10 ft. deep, 8 ft. wide, in bottom of ravine, 150 ft. deep, Course N. 70° E. Ascend.
80.00	The Cor. of Secs. 9, 10, 15 and 16. Land rolling. Soil loam. 2nd Rate. Timber, Cedar and pinon. dense undergrowth. 80.00 chs.
	N. 0° 2' W. bet. secs. 9 and 10. Ascend through dense artemisia and scrub oak.
12.00	Top of ridge, bears N. E. and S. W. descend.
12.25	Cattle road, bears N. 70 E. and S. 70° W.
40.00	Set a sandstone 12 x 8 x 6 ins. 8 ins. in the ground, for ¼ Sec. Cor. Marked ¼ S. 9 on W. and 10. on E. faces: and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of Cor. Pits impracticable.
59.00	South fork of North Montezuma Creek, now dry, in canon 150 ft. deep, Course N. E. ascend.
65.00	Top of spur, projects N. E. descend.
73.00	Bottom of canon 100 ft. deep, Course E. ascend over sandstone broken ledges, and scattering timber.
80.00	Set a sandstone 14 x 12 x 6 ins. 10 ins. in the ground for Cor. of secs.

Chains	
	3.4.9 and 10. marked with 5 notches on the S. and 3 notches on E. edges: from which
	A Cedar, 15 ins. diam., bears N. 75° E., 1.10 chs. dist., marked T. 34 S. R. 23 E., S. 3. B. T.
	A Juniper, 6 ins. diam., bears N. 30° W., 87 lks. dist., marked T. 34 S. R. 23 E., S. 4. B. T.
	No other trees within limits.
	And raise a mound of stone, 2 ft. base, 1½ ft. high, W. of Cor.
	Pits impracticable.
	Land rolling or Mountainous.
	Soil, stony and loam, 2nd and 4th Rate.
	Timber, Cedar and pinon.
	Mountainous land of dense undergrowth, 80.00 chs.
	S. 89° 59' E. on a random line,
	bet. secs. 3 and 10.
40.00	Set temp. ¼ sec. cor.
79.90	Intersect N. and S. line, 12 lks. S.
	of cor. of secs. 2, 3, 10 and 11.
	Thence I run
	S. 89° 56' W. on a true line,
	bet. secs. 3 and 10.
	Gradual ascent, over rolling
	land, through dense artemisia
	and scrub oak.
21.00	Begin descent.
24.00	Allow. 40 ft. dep. chains N. ascend.
39.95	Set a bandstone 12 × 6 × 5 ins. 8 ins.
	in the ground, for ¼ sec. cor.
	marked ¼ S. 3 on the N. and 10 on
	S. faces: and raise a mound
	of stone, 2 ft. base, 1½ ft.
	high, W. of Cor. Pits impracticable.

Subdivision of T. 34 S. R. 23 E. Continued.

Chains	
43.00	Begin descent.
49.00	Bottom of South fork of North Montezuma Cañon 100 ft. deep, Course N. 60 E. Thence along the bottom of Cañon.
54.00	South fork of North Montezuma Creek, now dry. Course N. & ascend.
56.50	Top of Sandstone ledges, 30 ft. high, bear N. and S.
77.80	Enter timber bears N. and S.
79.90	The cor. of Secs. 3, 4, 9 and 10. Land rolling and broken. Soil stony and loam, 3rd and 4th Rate. Timber Cedar and pinon. dense undergrowth. 79.90 chs.
	N. 0° 2' W. on a random line, bet. Secs. 3 and 4.
40.00	Set temp. ¼ Sec. Cor.
79.90	Intersect N. bdy. of Tp. 3 lks. E. of Cor. of Secs. 3, 4, 33 and 34. heretofore described. Thence I run S. 0° 3' E. on a true line bet. Secs. 3 and 4. Over rolling land, ascend through dense artemisia scrub oak and scattering timber.
15.00	Leave timber, bears E. and W.
39.90	Set a Sandstone 14 x 8 x 6 ins. 10 ins. in the ground, for ¼ Sec. Cor. marked ¼ S. 4 on the W. and 3 on E. faces: and raise a mound of stone 2 ft. base 1½ ft. high, W. of Cor. Pits impracticable.
47.00	Top of ridge bears E. and W.

Subdivision of T. 34 S., R. 23 E. Continu

Chains	
	Begin descent through scattering timber.
79.90	The cor. of secs. 3, 4, 9 and 10.
	Land rolling.
	Soil loam. 2nd Rate.
	Timber, cedar, pinion and yellow pine.
	Dense undergrowth, 79.90 chs.
	January 14: At this cor. I set off 21°18' S. on the decl. arc: and at 0h 09m p. m. l. m. t. observe the sun on the meridian, the resulting lat. is 37°53' N.
	From the cor. of secs. 4, 5, 32 and 33. on ~~south boundary of the township and~~ heretofore described, I run N. 0° 6' W. bet. secs. 32 and 33.
	Over rolling land, descend through dense artemisia and scrub oak.
27.30	Ravine, 20 ft. deep, Course S. E. Ascend.
40.00	Set a sandstone 18×8×6 ins. 12 ins. in the ground, for ¼ sec. cor. marked ¼ S. 32 on the W. and 33 on E. faces: And raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor. Pits impracticable.
42.75	Top of spur, projects E. descend.
57.00	Enter heavy timber, bears N. W. and S. E.
63.00	Bottom of Long Cañon, 200 ft. deep, bears S. E. Ascend.
76.50	Road, bears N. E. and S. W.
80.00	Set a sandstone 18×12×5 ins. 12 ins. in the ground, for cor. of secs. 28, 29, 32 and 33, marked with 1 notch on the S. and 4 on E. edges: from which A pine, 18 ins. diam. bears N. 37° W. 1.26 chs. dist. marked:

Subdivision of T. 34 S. R. 23 E. Continued

Chains	
	T. 34 S., R. 23 E., S. 29, B. 7.
	a pine, 32 ins. diam. bears S. 45° E.
	82 lks. dist. marked
	T. 34 S., R. 23 E. S. 33, B. 7.
	a pine, 20 ins. diam. bears S. 24° W.
	1.12 lks. dist. marked
	T. 34 S., R. 23 E., S. 32, B. 7.
	a pine, 20 ins. diam. bears
	N. 47° E., 1.17 lks. dist. marked
	T. 34 S., R. 23 E., S. 28, B. 7.
	Land, rolling.
	Soil, loam. 2nd Rate
	Timber, yellow pine.
	Dense undergrowth 80.00 chs.
	E. on a random line bet.
	Secs. 28 and 33
40.00	Set temp. ¼ sec. cor.
80.06	Intersect N. and S. 7 lks. S. of cor.
	of Secs. 27, 28, 33 and 34.
	Thence I run
	S. 89° 57' W. on a true line, bet.
	Secs. 28 and 33.
	Along N. slope of the South
	bank of N. Montezuma Canon,
	through oak brush and
	Service berry bushes.
40.03	Set a sandstone 14 x 12 x 10 ins. 10
	ins. in the ground, for ¼ sec.
	cor. marked ¼ S. 28, on the N. and
	33, on S. faces: and raise a
	mound of stone, 2 ft. base,
	1½ ft. high, N. of cor.
	Pits impracticable
	Spur, projects N.W., descend.
48.50	Enter scattering timber, bears
	N. and S.
80.06	The cor. of Secs. 28, 29, 32, 33.

Subdivision of T. 34 S., R. 23 E. Continued

Chains	
	Land rolling Soil, stony and loam, 2nd and 3rd Rate. Timber, yellow pine. Dense undergrowth 80.06 chs.
	N. 0° 3' W. bet. secs. 28 and 29. Descend over broken country, through scattering timber and scrub oak
10.00	Draw, 30 ft. deep, chains E. Ascend.
17.00	Wire fence, bears N. 10° E. and S. 10° W. descend.
30.00	Wash, chains E. 10 ft. wide and 8 ft. deep.
36.00	South Montezuma creek, 3 lks. wide, 4 ins. deep, bottom of Canon 200 ft. deep, Course E. Begin ascent—
40.00	Set a sandstone 15 x 14 x 6 ins. 10 ins. in the ground, for ¼ sec. cor., marked ¼ S. 29 on W. and 28 on E. faces: and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of Cor. Pits impracticable.
65.00	Spring branch, 2 lks. wide, Course S. E.
69.50	Begin ascent over huge sandstone boulders, leading to perpendicular ledges, 150 ft. high. Point for triangulation To determine the dist. to the top of ledges, I set a flag on line on the edge of the ledges: then measure a base N. 89° 57' E., 5.00 chs. to a point from which the flag was N. 36° 22' W.: from the flag the E. end of the base bears S. 36° 22' E.: therefore the dist. is tan. 53° 41' x base or 1.360 x 5 = 6.80 chs. which added to 69.50 makes

Subdivision of T. 34 S. R. 23 E. Continued

Chains	
76.30	Top of Sandstone ledges, 150 ft. high, bear. E and W. Ascending over stony land thro. dense timber.
80.00	Set a Sandstone, 14 x 11 x 5 ins. 10 ins. in ground, for cor. of secs. 20, 21, 28 and 29., marked with 2 notches on the S. and 4 notches on E. edges: from which A cedar, 14 ins. diam. bears S. 45° W., 55 lks. dist. marked T. 34 S., R. 23 E., S. 29, B. T. A cedar, 24 ins. diam. bears N. 40° W. 52 lks. dist. marked T. 34 S., R. 23 E. S. 20, B. T. A Cedar, 12 ins. diam. bears N. 30° E. 50 lks. dist. marked T. 34 S., R. 23 E., S. 21, B. T. A cedar, 18 ins. diam. bears S. 85° E., 19 lks. dist. marked T. 34 S., R. 23 E. S. 28, B. T. Land broken and mountainous. Soil, stony, 3rd Rate Timber, yellow pine Cedar and pinon. Mountainous land. 80.00 chs.
	N. 89° 57' E. on a random line bet. secs. 21 and 28
40.00	Set temp. ¼ sec. cor.
80.04	Intersect N. and S. line, 3 lks. S. of cor. of secs. 21, 22, 27 and 28. Thence I run S. 89° 56' W. on a true line bet. secs. 21 and 28. Gradual ascent through artemisia, service berry bushes and oak bush.

Subdivision of T. 34 S. R. 23 E. continued

Chains	
22.00	Top of ridge, bears N. and S.
	Begin descent, through scattering
	Cedar and pinon timber.
40.02	Set a sandstone 12x10x8 ins. 8 ins.
	in the ground, for ¼ sec. cor.
	marked ¼ S. 21 on N. and 28 on S.
	faces: and raise a mound of
	stone, 2 ft. base, 1½ ft. high,
	N. of cor.
	Pits impracticable.
50.00	Draw, 100 ft. deep, drains S.
	Begin ascent.
65.00	Top of sandstone ledges, 50 ft.
	high, bear N. 40° W. and S. 40° E. descend.
70.00	Bottom of draw 200 ft. deep
	drains S. 40° E.
	Steep ascent over disintegrated
	rock
75.00	Top of steep ascent, gradual
	ascent, enter dense timber
	bears N. W. and S. E.
80.04	The cor. of secs. 20, 21, 28 and 29.
	Land rolling and mountainous.
	Soil stony and loam, 2nd and 4th Rate.
	Timber, Cedar and pinon;
	Dense undergrowth on
	mountainous land. 80.04 chs.
	January 14, 1901

January 15: At 8 a.m., L.M.T. I set off 37° 51' on lat. arc: 21 06 S. on decl. arc: and determine a true meridian with the solar, at the cor. of secs. 20, 21, 28 and 29.

Thence I run.

N. 0° 3' W. bet. secs. 20 and 21

Ascending over sandstone

through timber

8.00	Top of ridge, bears E. & W., leave timber

Subdivision of T. 34 S. R. 23 E. Continued

Chains	
	Begin descent through scrub oak and Service berry bushes.
23.00	Leave 50 ft. deep chains S. E.
	Begin ascent through heavy timber.
40.00	Set a Sandstone, 15 x 10 x 4 ins. 10 ins. in the ground, for ¼ sec. Cor., marked ¼ S. 20 on the W. and 21 on E. faces: and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of Cor. from the Cor. A pine, 30 ins. diam. bears N. 60° E., 40 links dist. Marked T. 34 S., R. 23 E., S. 21. B. T. A pine, 12 ins. diam. bears S. 50° W., 50 lks. dist. Marked T. 34 S., R. 23 E., S. 20. B. T.
50.00	Leave timber, enter dense scrub oak.
80.00	Set a Sandstone 15 x 12 x 6 ins. 10 ins. in the ground, for cor. of Secs. 16, 17, 20 and 21, marked with 3 notches on the S. and 4 on E. faces: and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of Cor. Pits impracticable. Land, rolling. Soil, Stony loam. 2nd and 4th Rate. Dense undergrowth or heavily timbered. 80.00 chs.
	N. 89° 56' E. on a random line bet. Secs. 16 and 21.
40.00	Set temp. ¼ sec. cor.
80.00	Intersect N. and S. line, 5 lks. N. of Cor. of Secs. 15, 16, 21 and 22. Thence I run S. 89° 58' W. on a true line bet. Secs. 16 and 21. Over level land.

Subdivision of T. 34 S. R. 23 E. Continued

Chains	
3.00	Walk, 4.4 ft. Course N. E. ascend through dense scrub oak, along N. bank of a ravine, Course N. 85° E.
40.00	Set a sandstone 16×10×4 ins. 11 ins. in the ground, for ¼ sec. cor. marked ¼ S. 16 on the N. and 21 on S. faces: and raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor. Pits impracticable. Leave bank of ravine, bears N. E. & S. W.
75.00	Top of ridge, bears N. 30° E. & S. 30° W. Begin descent
80.00	The cor. of secs. 16, 17, 20 & 21. Land rolling. Soil, loam, 2nd Rate. No timber. Dense undergrowth. 80.00 chs.

N. 0° 3' W. bet. secs. 16 & 17.
Over rolling country, descending through oak and berry bushes.

21.00	Draw, 30 ft. deep, chains E.
22.50	Enter scattering timber, bears E. and W. descend.
25.00	Draw, 40 ft. deep, chains S. 30° E.
40.00	Set a sandstone 18×10×3 ins. 12 ins. in the ground for ¼ sec. cor. marked ¼ S. 17 on the W. and 16 on E. faces: from which Br. aspen, 4 ins. diam. bears N. 80° E., 25 lks. dist. marked ¼ S. 16 B. T.
	Br. aspen, 6 ins. diam. bears S. 70° W. 10 lks. dist. marked ¼ S. 17 B. T. descend.
41.00	Draw, 100 ft. deep, chains E. Leave timber, begin ascent.

Subdivision of T. 34 S., R. 23 E. Continued

Chains	
61.00	Top of ridge, bears N. 40° E. and S. 40° W. descend.
64.00	Road bears E. and W.
74.00	Begin steep descent.
76.00	S. fork N. Montezuma Creek, now dry; in ravine 60 ft. deep. Course N. 40 E. enter timber.
80.00	Set a sandstone 20 x 15 x 3 ins. 15 ins. in the ground for cor. of Secs. 8, 9, 16 and 17, marked with 4 notches on S. and 4 notches on E. edges: from which A pine, 18 ins. diam. bears N. 40° W. 4 links, dist. marked T. 34 S., R. 23 E., S. 8, B. 7. A pine, 16 ins. diam. bears S. 20° W. 15 links dist. marked T. 34 S., R. 23 E., S. 17, B. 7. A pine, 22 ins. diam. bears S. 42° E. 1.65 chs. dist. marked T. 34 S., R. 23 E., S. 16, B. 7. A pine, 18 ins. diam. bears N. 21° E. 1.59 chs. dist. marked T. 34 S., R. 23 E., S. 9, B. 7. Land rolling. Soil stony and loam, 2nd and 3rd Rate. Timber, Aspen and yellow pine. Dense undergrowth. 80.00 chs.
	N. 89° 58' E. on a random line bet. Secs. 9 and 16.
40.00	Set temp. ¼ sec. cor.
79.95	Intersect N. and S. line, 7 links S. of cor. of Secs. 9, 10, 15 and 16. Thence I run S. 89° 55' W. on a true line bet. Secs. 9 and 16. Over rolling lands, ascending along N. side of ravine, bears E. and W. Through Artemisia and oak brush.

Chains	
39.97½	Set a porphyry stone 18 x 12 x 3 ins. 12 ins. in the ground, for ¼ Sec. Cor. marked ¼ S. 9. on N. and 16. on S. faces: and raise a mound of stone 2 ft. base, 1½ ft. high N. of Cor.
	Pits impracticable.
	Leave bank of ravine.
49.00	Top of ridge, and road bears N. 60° E. and S. 60° W. descend.
60.00	Enter scattering timber bears N. 50° E. and S. 50° W.
75.50	South fork of North Montezuma Creek and Canon, Creek 4 lks. wide 4 ins. deep Course N. 50° E. Canon 150 ft deep, Course N. 60° E.
79.95	The Cor. of Secs. 8, 9, 16 and 17
	Land rolling and Mountainous, Soil stony and loam, 2nd and 3rd Rate. Timber, aspen and yellow pine. Dense undergrowth and mountainous land. 79.95 chs.
	January 15: At this Cor. I set off 21° 07' S. on the decl. arc: and at 0 9" p. M., l. M. t., observe the sun on the meridian; the resulting lat. is 37° 52' N.
	N. 0° 3' W. bet Secs. 8 and 9. Over rolling land, descend through scattering timber and dense undergrowth
6.00	Dean, 60 ft. deep, chains S.E. ascend.
11.00	Top of sandstone ledges, 25 ft. high, bear N.W. & S.E. descend, leave scattering timber, enter dense scrub oak and Service berry bushes.
24.00	Spring branch 1 lk. wide, Course E.

Subdivision of T. 34 S. R. 23 E. Continued

Chains	
40.00	Set a sandstone 14x8x5 ins. 10 ins. in the ground, for ¼ sec. cor. marked ¼ S. 8 on the W. and 9 on E. faces: and raise a mound of stone, 2 ft. base 1½ ft. high W. of Cor. Pits impracticable. Begin descent.
80.00	Set a sandstone 13x10x4 ins. 9 ins. in the ground, for cor. of secs. 4.5.8 and 9., marked with 5 notches on the S. and 4 on E. edges: and raise a mound of stone 2 ft. base, 1½ ft. high W. of Cor. Pits impracticable. Land rolling. Soil, stony and loam, 2nd and 3rd Rate. Timber, yellow pine. Dense undergrowth. 80.00 chs.
	N. 89°55' E. on a random line bet. secs. 4 and 9.
40.00	Set temp. ¼ sec. cor.
79.98	Intersect — N. and S. line 5 lks N. of cor. of secs. 3, 4, 9 and 10. Thence I run S. 89°57' W. on a true line bet. secs. 4 and 9. Descend over stony ground, through artemisia and scrub oak.
9.00	Enter scattering timber, bears N. and S.
20.00	Wash, 20 ft. deep, drains S. 30° W.
25.00	Wash, 10 ft. deep, drains S.
39.00	Spring branch, 1 lk. wide, draw 100 ft. deep Course S. 60° E. Leave timber, begin gradual ascent through dense scrub oak and Sawtooth bushes.
39.99	Set a sandstone 14x9x4 ins. 10 ins.

Chains	
	in the ground, for ¼ sec. cor. marked ¼ S. 4. on the N. and 9. on S. faces: and raise a mound of stone 2 ft. base, 1½ ft. high W. of Cor.
	Pits impracticable. descend.
46.00	Dhan. 60 ft. deep, drains N. Ascend.
79.95	The Cor. of secs. 4, 5, 8 and 9.
	Land rolling.
	Soil, stony and loam, 2nd and 3rd Rate.
	Timber, Cedar and pine.
	Dense undergrowth 79.95 chs.
	N. 0° 3' W. on a random line bet. secs. 4 and 5.
40.00	Set temp. ¼ sec. cor.
79.92	Intersect N. bdy. of Tp. 3 lks. E. of Cor. of secs. 4, 5, 32 and 33 heretofore described.
	Thence I run
	S. 0° 4' E. on a true line bet. secs 4 and 5.
	Gradual descent over rolling ground through dense timber.
25.00	Dhan. 40 ft. deep, drains N. 40° E. Ascend.
39.92	Set a Sandstone 15×10×5 ins., 10 ins. in the ground, for ¼ sec. cor. marked ¼ S. 5 on the W. and 4 on E. faces: and raise a mound of stone 2 ft. base, 1½ ft. high. W. of Cor.
	Pits impracticable.
40.50	Top of ridge bears N. 85° W. and S. 85° E.
	Begin descent
	Leave dense timber bears N. 60° E. and S. 60° W.
69.00	Dhan. 60 ft. deep, Spring branch 1 lk. wide, Course S. E.
	Begin ascent through dense scrub oak.

Subdivision of T. 34 S., R. 23 E. Continued

Chains	
79.92	The cor. of secs. 4, 5, 8 and 9. Land rolling and mountainous. Soil, stony and loam, 2nd and 3rd Rate. Timber, cedar, pinon and yellow pine. Dense undergrowth, heavy timber and mountainous land, 79.92 chs.
	From the cor. of secs. 5, 6, 31 and 32 on the north boundary of the township line before described, I run N. 0° 3' W. bet. secs. 31 and 32. Over stony ground, ascend left bank of Dual Canon, through dense scrub oak and Service berry brush.
5.50	Top of Canon bank, begin gradual ascent over rolling land and through scattering timber.
40.00	Set a sandstone 15x15x6 ins., 12 ins. in the ground, for ¼ sec. cor. marked ¼ S. 31, on the N. and 32 on E. faces: and raise a mound of stone, 2 ft. base, 1½ ft. high W. of Cor. Pits impracticable.
52.00	Road, bears E. and W.
73.00	Wire fence, bears E. and W.
74.00	Top of south bank of canine, begin steep descent.
80.00	Set a sandstone 15x10x5 ins. 10 ins. in the ground for cor. of secs. 29, 30, 31 and 32, marked with one notch on the S. and 5 notches on E. edges; from which A pine, 12 ins. diam. bears N. 45° E., 1.20 chs. dist., marked T. 34 S., R. 23 E., S. 29, B. T. A pine, 24 ins. diam., bears N. 30° W. 27 lks. dist. marked T. 34 S. R. 23 E. S. 30 B.T. No other trees within limits. And raise a mound of stone, 2 ft. base, 1½ ft. high, W. of Cor. Pits impracticable.

Subdivision of T. 34 S. R. 23 E. Contin

Chains	
	Land rolling Soil, stony and loam 2nd & 3rd Rate Timber, yellow pine Dense undergrowth. 80.00 chs.
	E. on a random line bet. secs. 29 and 32.
40.00	Set temp. ¼ sec. cor.
80.06	Intersect N. and S. line at cor. of secs. 28, 29, 32 and 33. Thence I run W. on a true line bet. secs. 29 and 32. Over rolling land, ascending through scrub oak and scattering timber
40.03	Set a sandstone 18x12x8 ins. 12 ins. in the ground, for ¼ sec. cor. marked ¼ S. 29 on the N. and 32 on S. faces: from which A pine, bears N. 20 lks. dist. 36 ins. diam. marked ¼ S. 29. B.T. A pine, 24 ins. diam. bears S. 15 W. 67 lks. dist. marked ¼ S. 32. B.T.
46.00	Begin descent along N. slope of S. bank of South Montezuma Canon.
61.00	Wash, drains N. 20° E. 20 ft. dep. 30 ft. wide.
68.00	Bottom of ravine Course N. 85° E. Along bottom of ravine, through dense timber.
80.06	The cor. of secs. 29, 30, 31 and 32. Land rolling. Soil, stony and loam. 2nd & 3rd Rate. Timber, Aspen and yellow pine Dense undergrowth or heavy timber 80.06 chs.

January 15, 1901

Subdivision of T. 34 S., R. 23 E. Continued

Chains	
	January 16: At 8 a. m. l. m. t. I set off 37°49' on lat. arc: 20°55' S. on decl. arc: and determine a true meridian with the solar, at the cor. of secs. 29, 30, 31 and 32.
	Thence I run
	W. on a random line line bet secs 30 and 31
40.00	Set temp. ¼ sec. cor.
79.36	Intersect W. bdy. of Tp. 3 Lks. S. of Cor. of secs. 25, 30, 31 and 36 heretofore described.
	Thence I run
	S. 89°59' E. on a true line bet. secs. 30 and 31.
	Over rolling land, descend through dense timber.
.20	Old road, bears N. 40° W. and S. 40° E.
1.10	Leave dense timber, enter scattering timber, dense scrub oak and berry bushes.
39.36	Set a sandstone 17×8×4 ins. 12 ins. in the ground, for ¼ sec. cor. marked ¼ S. 30 on the N. and 31 on S. faces: and raise a mound of stone, 2 ft. base, 1½ ft. high, N. of Cor. Pits impracticable.
52.00	Enter heavy timber, bears N. W. and S. E.
56.60	Wire fence, bears N. and S.
79.36	The Cor. of secs. 29, 30, 31 and 32.
	Land rolling.
	Soil, loam, 2nd Rate
	Timber, yellow pine
	Dense undergrowth or heavy timber. 79.36 chs.

N. 0°3' W. bet. secs. 29 and 30.
Ascending through dense scrub

Subdivision of T. 34 S., R. 23 E. Continued

Chains	
	oak, heavy bushes and scattering timber.
10.00	Top of ascent, thence over broken land. descend.
19.25	South Montezuma Creek, 6 lks. wide 5 ins. deep, Course N. 85° E.
40.00	Set a Sandstone 15x12x4 ins. 10 ins. in ground. for ¼ Sec. cor., marked ¼ S. 30, on the W. and 29 on E. faces: and raise a mound of stone, 2 ft. base, 1½ ft. high. W. of Cor. Pits impracticable.
65.00	Begin ascent over Sandstone ledges and boulders.
67.50	Top of Sandstone ledges, 80 ft high bear N. 50° E and S. 50° W.
71.30	Top of sandstone ledges, 100 ft. high bear N. 40 W. and S. 40 E. descend
74.50	Spring branch 1 lk wide, Course: S. E.
77.30	Top of Sandstone ledges, 150 ft. high, bear S. 35° E. and N. 35° W.
80.00	Set a Sandstone, 15x10x5 ins. 10 ins. in the ground for Cor. of Secs. 19, 20, 29 and 30, marked with 2 notches on the S. and 5 notches on E. edges: and raise a mound of stone, 2 ft. base, 1½ ft. high. W. of Cor. Pits impracticable. Land, broken and Mountainous. Soil, stony, 4th Rate Timber, aspen, cedar, pinon and yellow pine. Dense undergrowth on mountainous land, 80.00 chs.

E. on a random line bet. secs. 20 and 29.

Subdivision of T. 34 S. R. 23 E. Continued

Chains	
40.00	Set temp. ¼ sec. cor.
80.05	Intersect N. and S. line 5 links N. of cor. of secs. 20, 21, 28 and 29. Thence I run N. 89° 58' W. on a true line bet. secs. 20 and 29. Gradual ascent over broken ground through scattering Cedar and pinon timber.
7.50	Sandstone ledges, 3 to 4 ft. high bear N. 60° W. and S. 60° E. descend.
9.30	Spring branch, 1 lk. wide, course S. E. ascend.
12.80	Top of Sandstone ledges, 80 ft. high bear N. 60° W. and S. 60° E.
40.04	Set a Sandstone, 14 x 10 x 3 ins. 10 ins. in the ground for ¼ sec. cor.: marked ¼ S. 20 on the N. and 29 on S. faces: from which A pine, 20 ins. diam. bears N. 60° W. 1.15 chs. dist. marked ¼ S. 20. B. T. A Cedar, 8 ins. diam. bears S. 35° E. 73 lks. dist. marked ¼ S. 29. B. T. Leave scattering Cedar and pinon enter scattering pine timber.
80.08	The cor. of secs. 19, 20, 29 and 30 Land broken and mountainous. Soil, rocky 4th Rate Timber, Cedar, pinon and pine. Mountainous land 80.08 chs.

N. 89° 59' W. on a random line bet. secs. 19 and 30.

40.00	Set temp. ¼ sec. cor.
79.25	Intersect W. bdy. of Tp. at cor. of secs. 19, 24, 25 and 30 heretofore described. Thence I run

Subdivision of T. 34 S., R. 23 E. Continued

Chains	
	S. 89° 59' E. bet. secs. 19 and 30, on a true line. Descend through dense scrub oak and Service berry brush.
36.50	Old road, bears N. 35° E. and S. 35° W.
39.28	Set a sandstone, 15 x 10 x 5 ins. 10 ins. in the ground, for ¼ sec. Cor.: marked ¼ S. 19, on the N. and 30, on S. faces: and raise a mound of Stone, 2 ft. base, 1½ ft. high, N. of Cor. Pits impracticable.
60.00	Enter scattering pine bear N.W. and S.E.
72.85	Top of Sandstone ledges, 100 ft. high, bear N. 50° W. and S. 50° E. Descend.
75.15	Spring branch, 1 ft. wide, Course S. 50° E. ascend.
77.00	Top of Sandstone ledges, 80 ft. high, bear N. 50° W. and S. 50° E. Begin gradual descent.
79.28	The Cor. of Secs. 19, 20, 29 and 30. Land, mountainous. Soil, stony and loam. 3rd and 4th Rate. Timber, yellow pine. Dense undergrowth and mountainous land. 79.28 chs.
	January 16: At this Cor. I set off 20° 56' S. on the decl. arc: and at 8 10m P.M. L.M.T., observe the sun on the meridian: the resulting lat. is 37° 50' N.
	N. 0° 3' W. bet. secs. 19 and 20. Over rolling land, ascend through dense artemisia and scrub oak.
37.00	Top of ridge, bears S. 40° E. and N. 40° W. Begin gradual descent.
40.00	Set a Sandstone 14 x 10 x 4 ins. 10 ins. in the ground, for ¼ sec. Cor.

Subdivision of T. 34 S., R. 23 E. Continued

Chains	
	Marked ¼ S. 19 on the W. and 20 on E. faces: And raise a mound of stone, 2 ft. base, 1½ ft. high, W. of Cor. Pits impracticable.
57.50	Bottom of narrow ravine, 150 ft. deep; Course S. E. Ascend.
79.75	Road bears N.E. and S.W.
80.00	Set a sandstone 16×8×6 ins. 11 ins. in the ground, for Cor. of Secs. 17, 18, 19 and 20, marked with 3 notches on the S. and 5 notches on the E. edges: and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of Cor. Pits impracticable. Land rolling. Soil stony loam, 2nd and 3rd Rate. No timber. Dense undergrowth on 80 chains
	S. 89° 58' E. on a random line, bet. Secs. 17 and 20.
40.00	Set temp. ¼ Sec. Cor.
80.10	Intersect N. and S. line, 3 lks. S. of Cor. of Secs. 16, 17, 20 and 21. Thence I run N. 89° 59' W. on a true line, bet. Secs. 17 and 20. Over rolling land. Descend through dense oak.
8.00	Draw, 30 ft. deep, Course S. Ascend.
17.00	Begin descent. Enter heavy pine timber bears N. and S.
32.00	Draw, 50 ft. deep, Course S. Ascend.
40.05	Set a sandstone 18×12×3 ins. 12 ins. in the ground, for ¼ Sec. Cor. Marked ¼ S. 17 on W. and 20 on S. faces: from which A pine, 10 ins. diam., bears N. 10° W.

Subdivision of T. 34 S. R. 23 E. Continued

Chains	
	30 lks. dist. marked ¼ S. 17. B. T.
	A pine 15 ins. diam., bears S. 35° E.
	63 lks. dist. marked ¼ S. 20. B. T.
47.00	Begin descent
52.00	Chan. 80 ft. deep, Course S. E. Ascend.
70.00	Leave timber, bears N. and S.
79.40	Road, bears N. E. and S. W.
80.10	The cor. of secs. 17, 18, 19 and 20.
	Land rolling.
	Soil loam. 2nd Rate
	Timber. Yellow pine.
	Dense undergrowth or
	heavily timbered. 80.10 chs.
	N. 89° 59' W. on a random line
	bet. secs. 18 and 19.
40.00	Set temp. ¼ Sec. Cor.
79.18	Intersect W. bdy. of Tp. at cor. of secs.
	13, 18, 19 and 24. Heretofore described.
	Thence I run
	S. 89° 59' E. on a true line
	bet. secs. 18 and 19.
	Descend over steep rocky land
	through dense oak and berry bush.
39.18	Set a hackyle stone 15 x 10 x 5 ins. 10 ins. in
	the ground for ¼ Sec. Cor. marked ¼ S.
	18 on N. and 19 on S. faces: and raise
	a mound of stone, 2 ft. base, 1½ ft. high
	N. of Cor. Pits impracticable.
63.00	Foot of steep descent
	Over rolling land
79.18	The cor. of secs. 17, 18, 19 and 20.
	800 ft. below Cor. of secs. 13, 18, 19 and 24.
	Land mountainous
	Soil stony. 3rd and 4th Rate
	No timber
	Mountainous land. 79.18 chs.

Subdivisions of T. 34 S. R. 23 E. Continued

Chains	
	N. 0° 3' W. bet. secs. 17 and 18.
	Ascend through dense artemisia
	and oak brush.
8.00	Top of spur, projects E. descend.
24.25	Road bears N.W. and S.E.
40.00	Set a sandstone, 16×10×4 ins., 11 ins. in
	the ground, for ¼ sec. cor., marked
	¼ S. 18, on the W. and 17 on E. faces:
	And raise a mound of stone, 2 ft.
	base, 1½ ft. high, W. of cor.
	Pits impracticable.
60.00	South fork of North Montezuma Creek,
	8 lks. wide, pure water, 6 ins. deep, in
	Canon 150 ft. deep. Course S.E.
	Ascend.
80.00	Set a sandstone, 16×12×6 ins., 11 ins.
	in the ground, for cor. of secs. 7, 8,
	17 and 18, marked with 4 notches on
	the S. and 5 notches on the E. edges:
	And raise a mound of stone,
	2 ft. base, 1½ ft. high, W. of cor.
	Pits impracticable.
	Land, rolling.
	Soil, loam, 2nd and 3rd Rate.
	No timber
	Dense undergrowth, 80.00 chs.

	S. 89° 59' E. on a random line,
	bet. secs. 8 and 17.
40.00	Set temp. ¼ sec. cor.
80.12	Intersect N. and S. line, 5 lks. W.
	of the cor. of secs. 8, 9, 16 and 17.
	Thence S. run
	N. 89° 57' W. on a true line
	bet. secs. 8 and 17.
	Cross rolling land, descend through
	dense artemisia and scattering pine timber.
20.50	Draw, 40 ft. deep, Course N. 25 E. ascend.

Subdivision of T. 34 S. R. 23 E. Continued

Chains

40.06 Set a sandstone, 30×24×6 ins., 23 ins. in the ground, for ¼ sec. cor., marked ¼ S. 8 on N. and 17 on S. faces: from which
A pine, 18 ins. diam., bears S. 20° E., 72 lks. dist., marked ¼ S. 17, B. T.
No other trees within limits, and raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor. pits impracticable.

80.12 The cor. of Secs. 7, 8, 17 and 18.
Land, rolling.
Soil, loam, 2nd Rate.
Timber, yellow pine.
Dense undergrowth. 80.12 Chs.

January 16, 1901

January 17: At 8 A.M., L. M. T., I set off 37°52' N. on lat. arc: 20°43' S. on decl. arc: and determine a line meridian, with the Solar, at the cor. of secs. 7, 8, 17 and 18.
Thence I run
N. 89°59' W. on a random line, bet. Secs. 7 and 18.

40.00 Set temp. ¼ sec. cor.

79.06 Intersect W. bdy. of Tp., at the cor. of secs. 7, 12, 13 and 18, heretofore described.
Thence I run
S. 89°59' E. on a true line, bet. Secs. 7 and 18.
Descend along the N. slope of a high spur, projecting E. through dense altimisia and scrub oak.

30.00 South fork of North Montezuma Creek, 7 lks. wide, fine water, 6 ins. deep, in canon 175 ft. deep, course S. E. Descend.

39.06 Set a trachyte stone, 16×10×4 ins., 11 ins. in the ground, for ¼ sec. cor., marked ¼ S. 7, on N. and 18 on S. faces. And raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.

Subdivision of T. 34 S. R. 23 E. Continued

Chains	
	Pits impracticable.
41.00	Begin descent.
75.00	Foot of steep descent.
	Over rolling land.
79.06	The cor. of secs. 7, 8, 17 and 18.
	Land mountainous.
	Soil stony and loam 3rd and 4th Rate.
	No timber.
	Dense undergrowth 79.06 chs.

N. 0° 3' W. bet. secs. 7 and 8.
Over rolling stony land ascend along the foot of the steep E. slope of the Abajo mountains through dense scrub oak and berry bushes.

40.00 Set a sandstone 14 x 9 x 5 ins. 10 ins. in the ground, for ¼ sec. cor. marked ¼ S. 7. on the W. and 8 on E. faces: And raise a mound of stone. 2 ft. base. 1½ ft. high. W. of cor.
Pits impracticable.
Begin descent.
Enter scattering pine timber.

80.00 Set a sandstone 15 x 12 x 8 ins. 10 ins. in the ground, for cor. of secs. 5, 6, 7 and 8 marked with 5 notches on S. and E. edges: from which
A pine, 30 ins. diam. bears N. 79 W. 1.20 chs. dist. marked T. 34 S. R. 23 E. S. 6. B. T.
No other trees within limits.
And raise a mound of stone 2 ft. base. 1½ ft. high. W. of cor.
Pits impracticable.

Subdivision of T. 34 S. R. 23 E. Continued

Chains	
	Land mountainous.
	Soil stony and loam 3rd and 4th Rate.
	Timber yellow pine.
	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.
80.08	Intersect N. and S. line 12 lks. S. of
	the 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 rolling land, ascend through dense
	oak and Service berry brush.
40.04	Set a sandstone 16 x 8 x 4 ins. 11 ins.
	in the ground, for ¼ sec. cor.
	marked ¼ S. 5 on N. and 8 on S.
	faces; and raise a mound of stone
	2 ft. base, 1½ ft. high, N. of cor.
	Pits impracticable.
62.00	Enter heavy aspen timber, bears
	N. and S. begin descent—
65.00	Draw 40 ft. deep. Course N. 15° E. ascend.
65.50	Leave timber bears N. and S.
71.00	Enter scattering pine timber.
80.08	The cor. of secs. 5, 6, 7 and 8.
	Land rolling
	Soil, stony and loam. 3rd and 4th Rate—
	Timber aspen and pine.
	Dense undergrowth 80.08 chs.
	January 17: At this cor. I set off
	20° 44' S. on the decl. arc: and
	at 0h 10m p. m. l. m. t observe
	the sun on the meridian
	the resulting lat. is
	37° 53' N.

Subdivision of T. 34 S. R. 23 E. Continued

Chains	
	N. 89°59' W. on a random line bet. secs. 6 and 7.
40.00	Set temp. ¼ sec. cor.
78.97	Intersect W. bdy. of Tp. at the cor. of secs. 1, 6, 7 and 12 heretofore described. Thence I run S. 89°59' E. on a true line bet. secs. 6 and 7. Over rocky soil, descend steep E. slope of the Sierra Mountains, through dense scrub oak.
38.97	Set a trachyte stone 16×10×4 ins. 11 ins. in the ground, for ¼ sec. cor. marked ¼ S. 6 on the N. and 7. on S. faces: and raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor. Pits impracticable.
76.85	Foot of steep descent. Over rolling land, enter scattering pine timber.
78.97	The cor. of secs. 5, 6, 7 and 8. 800 ft. below the cor. of secs. 1, 6, 7 and 12. on W. bdy. of Tp. Land mountainous. Soil stony 4th Rate. Timber pine. Mountainous land, 78.97 chs.

	N. 0°3' W. on a random line bet. secs. 5 and 6.
40.00	Set temp. ¼ sec. cor.
79.96	Intersect W. bdy. of Tp. 3 lks. E. of the cor. of secs. 5, 6, 31 and 32. heretofore described. Thence I run S. 0°04' E. on a true line bet. secs. 5 and 6.

Subdivision of T. 34 S. R. 23 E. Continued

Chains	
	Ascend along the east slope of the Abajo mountains, through dense oak bush.
39.96	Set a sandstone 15x9x5 ins. 10 ins. in the ground, for ¼ Sec. Cor. marked ¼ S. 6 on W. and 5 on E. faces: and raise a mound of stone, 2 ft. base, 1½ ft. high. W. of cor. Pits impracticable.
45.00	Top of ridge, bears E. and W. Descend.
	Enter scattering pine timber.
52.00	Draw, 40 ft. deep, Course S. 70 E. Ascend.
79.96	The cor. of secs. 5, 6, 7 and 8.
	Land mountainous.
	Soil stony and loam. 3rd and 4th Rate.
	Timber yellow pine.
	Mountainous land 79.96 chs.

General Description

This township comprises the eastern slope and foothills of the Abajo mountains, and the soil ranges from rich black loam to rocky soil.

The soil of the eastern half is generally a rich black loam, and where not cultivated or heavily timbered is covered with a dense undergrowth.

The soil of the remaining portion is rocky and may be classed 3rd Rate, it is covered with an abundant

General Description of T. 34 S. R. 23 E. Concluded.

Chains

growth of nutritious grasses and dense undergrowth making it an excellent stock range.
Cedar and pin on timber is scattered over the foothills, generally along the ridges.
Along and on the foot of the Abajo mountains is a belt of heavy yellow pine timber, while in the ravine and Cañons aspen timber is found.
The township is watered by the South fork of North Montezuma, in the northern portion, the South Montezuma Creek in the southern portion and by several small springs.
There is no indication of mineral in this township.
Eudure post office which is kept in the dwelling house of G. A. Adams is located in N. W. ¼ Sec. 36.
Eudure school house is located in N. W. ¼ Sec. 36.
R. P. Hott is located in S. E. ¼ Sec. 26.
John Butt is located in S. W. ¼ Sec. 25.
These three are the only settlers in this township, and to their settlement, the name of Eudure is given.
There is about 150 acres of land cultivated in this

General Description of T. 34 S. R. 23 E. Concl

township.
The value of the improvements amount to about 4000 $.

Hubert D. Page, U.S.
Deputy Surveyor Compassman for
James M. Lentz, U.S. Deputy Surveyor.

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

Hubert D. Page
U.S. Deputy Surveyor

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PAGE

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PAGE

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by Hubert D. Page Deputy Surveyor Compassman for James M. Lentz, United States Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the survey of the subdivision lines T. 33 & 34 S., R. 23 E., of the Salt Lake Base and Meridian in the State of Utah, showing the respective capacities in which they acted:

John E. Rogerson, Chainman.
Ezra Dalton, Chainman.
Heber Christensen, Moundman.
Julius Hoving Hoff, ~~Moundman.~~ Axman
, Axman.
, Axman.
George Dalton, Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted Hubert D. Page U.S. Deputy Surveyor Compassman for James M. Lentz, United States Deputy Surveyor, in surveying all those parts or portions of the subdivision lines of T. 33 and 34 S., R. 23 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.

John E. Rogerson, Chainman.
Ezra Dalton, Chainman.
Heber Christensen, Moundman.
, Moundman.
Julius Hoving Hoff, Axman.
, Axman.
George Dalton, Flagman.

Subscribed and sworn to before me this 17th day of January, 1901.

SEAL

Hubert D. Page
U.S. Deputy Surveyor

6—151

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, Hubert D. Page, U.S. Deputy Surveyor, Compassman for James McLentz, United States Deputy Surveyor, solemnly swear that, in pursuance of a contract received from Jacob B. Blair United States Surveyor General for the District of Utah, bearing date of 14th day of March 1900, ~~189~~, I have well, faithfully, and truly, in my proper person, and in strict conformity with the instructions furnished by the United States Surve General for the District of Utah, the Manual of Surveying Instructions, and the laws of United States, surveyed all those parts or portions of the subdivision lines of Tps 33 & 34 S. R 23 E.

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

Hubert D. Page, U.S. Deputy Surveyor Compassman for James McL

United States Deputy Surve

Subscribed by said Hubert D. Page, and sworn to before me this 25th day of May 1901, 189

Edward H. Anderson

U.S. Surveyor General for Utah

SEAL

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah June 14, 1902 189

The foregoing field notes of the survey of the subdivision lines of Tp 34 S. R 23 E of the Salt Lake Base & Meridian, Utah

executed by Hubert D. Page, U.S. Deputy Surveyor, Compassman for James McLentz, U.S. Deputy Surv under his contract No. 238, dated March 14, 1900, ~~189~~, having b critically examined, and the necessary corrections and explanations made, the said field notes, and surveys they describe, are hereby approved.

Edward H. Anderson

United States Surveyor 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

8—151

4—679.

BOOK A-280

FIELD NOTES

OF THE SURVEY OF THE

Subdivisions

of

Township 15 South Range 14 East

Of the Salt Lake Base and Meridian,

State of Utah

AS SURVEYED BY

Robert E. L. Collier, United States Deputy Surveyor,

Under his Contract No. 253, dated June 23, 1902, ~~189~~

Survey commenced July 30 1902, 189

Survey completed August 17 1902, 189

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High 40-01-05

Closings 5-69

contingent 2-78-78

BOOK A-280

NAMES AND DUTIES OF ASSISTANTS.

Lewis Larson	Chainman
Harry Rager	"
Peter Thorsen	Moundman
Hyrum Tidewell	Axeman
Asa Bailey	"
Frank M Cronkrite	Flagman

6—151

BOOK A-280

INDEX DIAGRAM.

*Township*_____, *Range*_____

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

*Meanders Page*_____

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PRELIMINARY OATHS OF ASSISTANTS.

WE, Lewis Larson and Harry Rager do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain over even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of the subdivisions of T 15 S R 14 E of the Salt Lake Base and Meridian Utah

Lewis Larson, Chainman.

Harry Rager, Chainman.

Subscribed and sworn to before me this 28th day of July 1902

SEAL

Henry R. Mortimer
Notary Public

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

..... 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, Frank M. Cronkrite, 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 the subdivisions of T 15 S R 14 E of the Salt Lake Base & Meridian Utah

Frank M. Cronkrite, Flagm

Subscribed and sworn to before me this 28th day of July 1902 189

SEAL

Henry R. Mortimer
Notary Public

6—151

BOOK A-280

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

I
WE, Peter Thorsen 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 subdivisions of T 15 S R 4 E of the Salt Lake Base and Meridian Utah

Peter Thorsen *Moundman.*

..... *Moundman.*

Subscribed and sworn to before me this 29
day of July, 1902

SEAL

R. E. L. Collins
U.S. Deputy Surveyor

WE, Hyrum Tidwell and Asa Bailey
do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey of
The subdivisions of T 15 S R 4 E of the Salt Lake Base and Meridian Utah

Hyrum Tidwell *Axman*

Asa Bailey *Axman*

Subscribed and sworn to before me this 29th
day of July, 1902

SEAL

R. E. L. Collins
U.S. Deputy Surveyor

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 .....

SEAL

6—151

Subdivisions - T 15 S, R. 14 E.

Chains

Survey commenced July 30 1902 and executed with a Gurley Light mountain Transit, No. with Solar attatchment.

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, Utah, found correct and was approved by the Surveyor General of Utah, July 21st 1902

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 meridian determined by observations on Polaris, I proceed as follows:

At the corner to secs. 35 and 36 on the 3rd Standard Par. So. on the S. Bdy. of T. 15 S. R. 14 E which is a Sand Stone 8x12x12 ins. above ground marked & witnessed as described by the Surv. Genl. Lat. 39°27'48" N. Longitude 110°20'38" W.; I set off 39°28' N. on the lat. arc, 18°35' N. on the decl. arc, and at 4h 00m p.m. l.m.t. determine with the solar a meridian and mark a point thereof on a stoke firmly set in the ground, 5 chs. N of the corner.

At 11h 23m p.m. by my watch which is 27m fast of l.m.t., I observe Polaris at eastern enongation, in accordance with the manual of Instructions, and mark a point in the line thus determined, on a peg driven in the ground 5 chs. N. of my station.

July 30, 1902

July 31 at 6h 00m a.m. l.m.t. I lay off the azimuth of Polaris 1°34' to the west. and mark the meridian thus determined

Subdivisions of T 15 S R. 14 E.

Chains

by driving a nail in a stake set July 30 on which the meridian falls 0.2 in. east of the mark determined by the solar.
At 8h 00m a.m. l.m.t. I set off 39°28' on the lat. arc. 18°25'30" N. on the decl. arc; and mark a point in the meridian determined with the solar on the stake already set 5 chs. N. of my station; this mark falls 0.3 ins. east of the meridian established by the Polaris observation
The solar apparatus by p.m and a.m. observations defines the positions for meridians, respectively about 0'10" west and 0'16" East of the meridian established by the Polaris observations therefore I conclude that the adjustments of the instrument are satisfactory
The magnetic bearings of the true meridian at 8h 30m a.m. l.m.t is N. 15°55' W the angle thus determined gives the magnetic decl. 15° 55' E.

From the corner to secs. 35 & 36 on the Third Standard Parallel South on the South Bdy of T 15 S. R. 14 E. already described, I retrace East, on the Third Standard Parallel South on the South Bdy of Sec. 36; and at 40.05 chs. intersect the 1/4 sec. cor.; and at 79.97 chs. fall 5 lks. N. of the corner to townships 15 and 16 South Ranges 14 and 15 East therefore the line bears East.
From the Tp. cor. I run North on the East bdy of Sec. 36; 40.00 chs. intersect the 1/4 sec. cor.; and at 80.02 chs. intersect the cor. to secs. 25, 30, 31 and 36; therefore the line bears North.
Therefore the bearings are as stated by the surveyor general, and my chaining practically agrees with the field notes of the original survey.

Subdivisions of T 15 S. R. 14 E.

Chains	
	I commence at the E.C. to sections 35 and 36 on the South Bdy of the township which is a sandstone 16 x 12 x 12 above ground, firmly set and marked and witnessed as described by the surveyor general.
	Thence I run
	N. 0° 01' W. bet. secs. 35 and 36.
	Descend over rough broken ground thro scattering pines and scrub cedars.
2.50	Trail bears E. & W.
3.00	Head of Horse Cañon drains West. ascend
14.05	Top of spur projects West thence descend over rough ground sloping West
36.00	Bottom of gulch drains S. W. Water near intersection of this gulch with Horse Cañon
	Ascend over sandstone ledges.
40.00	Set a sandstone 24 x 12 x 5 ins. 18 ins. in the ground for 1/4 sec. cor. marked 1/4 on W. face; from which
	a pine 8 ins diam. brs. S 85° E. 21 lks dist marked 1/4 S. 36 B. T.
	a pine 8 ins diam brs. S. 58° W 64 lks dist. Marked 1/4 S 35 B. T.
49.20	Top of very sharp sandstone spur projects S. 80° W. Enter dense pine timber E + W.
	Descend very rapidly.
78.00	Head of Cañon drains S. W. leave dense pine timber E and W.
80.00	Set a sandstone 24 x 12 x 6 ins 18 ins in the ground for cor. of secs. 25, 26, 35 and 36 marked with 1 notch on S; and 1 notch on E. edge from which
	a pine 20 ins diam brs. N 82° 30' E. 35 lks dist marked T 15 S R 14 E. S 25 B. T.
	a cedar 6 diam brs. N 46° 45' W. 91 lks dist. marked T 15 S. R. 14 E. S 26 B. T.
	a pine 24 ins diam. brs. S 6° 30' W. 46 lks dist marked T. 15 S. R. 14 E S 35 B. T.
	a Cedar 8 ins diam brs S. 9° 00' E. 98.5 lks dist marked T 15 S R. 14 E S 36 B. T.
	Land, mountainous
	Soil, stony and rocky 4th rate
	Timber, scattering pines + scrub cedars on 80.00 chs
	dense pine timber on 28.80 chs.
	Mountainous land on 8.000 chains.

Subdivisions of T. 15 S. R. 14 E.

Chains	
	East on a random line bet secs. 25 and 36
40.00	Set a temp 1/4 sec. cor.
79.90	Intersect East bdy of township at cor. to secs. 25, 30, 31, and 36, which is a sandstone 18 x 12 x 8 ins above ground marked and witnessed as described by the surveyor general.
	Thence I run.
	West on a true line bet. secs. 25 and 36
	Ascend over rough clifts thro scattering cedars, pine and mahogany.
39.95	The 1/4 Sec. cor. falls on a rock in place 3 x 3 x 2 feet above ground on which I cut a cross (X) at the exact cor. point and 1/4 north of the cross (X) and raised a mound of stone 2 ft base 1 1/2 ft. high N. of cor. No bearing trees within limit.
	Pits impracticable.
69.05	Top of ridge brs. N 10° W and S 10 E. descend
79.90	The cor to secs. 25, 26, 35 and 36.
	Land mountainous
	Soil, rocky and stony 4th rate
	Timber, scattering pines, cedars and mahogany on 79.90 chs
	Mountainous land on 79.90 chs.
	July 31 1902 At this cor. I set off 18° 22' 30" N on the declination arc. and at 12h 00m l. m. t. observe the sun on the meridian; the resulting lat. is 39° 28' 20" or within 10" of the proper lat.
	N 0° 01' W. bet. secs. 25 and 26
	Ascend over clifts and rough broken country thro scattering cedars and pines
7.40	Top of very sharp sandstone ridge brs. E and W.
	Descend along west slope of ridge
40.00	Set a sandstone 24 x 6 x 5 ins 18 ins in the ground for 1/4 sec. cor. marked 1/4 on W. face; from which
	a cedar 6 ins diam. brs. S. 43° E. 33 lks dist. marked 1/4 S. 25. B. T.
	a pine 15 ins. diam. brs. S 42° 45' W 12 1/2 lks. dist. marked 1/4 S 26 B. T.

Subdivisions of T. 15 S R 14 E.

Chains	
59.10	Top of main ridge brs. N. 58° W and S. 39° E. Descend very rapidly.
76.00	Head of Buckskin canon drains S. E. Enter mahogany
80.00	Set a sandstone 16 x 8 x 8 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. edge; from which
	a pine 12 ins. diam brs. S 66° 30' W 285 links dist marked T. 15 S. R. 14 E S. 26 B. T.
	No other bearing objects available therefore raised a mound of stone 2 ft. base 1½ ft. high West of corner. Pits impracticable.
	Land, mountainous
	Soil rocky and stony 4th rate
	Timber, scattering cedars and pine on 80.00 chs. mahogany on 4.00 chs.
	Mountainous land on 80.00 chs.

July 31 at 4h 00m p. m. l. m. t. I set off 39° 29' 30" on the lat. arc. 18° 20' 30" N. on the decl. arc; and determine a meridian with a solar at the corner of secs. 23, 24, 25 and 26

Thence I run

	East on a random line bet. secs. 24 and 25
40.00	Set temp 1/4 sec. cor.
80.12	Intersect East bdy of township at the corner of secs. 19, 24, 25 and 30 which is a sandstone 14 x 14 x 4 ins. above ground marked and witnessed as described by the surveyor general.

Thence I run

	West on a true line bet secs. 24 and 25
	Ascend abruptly over rough sandstone boulders
3.90	Ascend more gently, Enter scattering pines and cedars.
20.50	Ridge bears N. E. and S. W.
33.50	Ridge bears N 45° W + S 45° E. descend
40.06	Set a sandstone 14 x 12 x 4 ins. 10 ins in the ground for 1/4 Sec. Cor. marked 1/4 on N face; from which

Subdivisions of T 15 S. R. 14 E.

Chains	
	A pine 20 ins. diam. bears S 68° E 55 links dist. marked 1/4 S. 25 B. T.
	No other bearing objects available therefore raised a mound of stone 2 ft. base 1½ ft high N. of cor. Pits impracticable
50.00	Bottom of descent - ascend
60.00	Top of ascent - descend
64.00	Bottom of descent, ascend along south slope of ridge bs. N. & S.
80.12	The corner to secs. 23, 24, 25 and 26.
	Land, mountainous
	Soil rocky 4th rate
	Timber, scattering cedars and pines on 76.20 chs.
	Mountainous land on 80.12 chs.

	Aug 1 1902 at 8h 00m a. m. l. m. t. I set off 39°29'30" on the lat. arc; 18°11' N on the decl. arc; and determine a meridian with the solar at the cor. to secs. 23, 24, 25 and 26.
	Thence I run
	N 0° 01' W bet. secs. 23 and 24
	Ascend thro. scattering cedars, pines and mahoganys.
17.00	Top of ridge bears E and W. Descend thro. dense pine timber. Leave scattering cedars and mahogany
32.00	Gulch drains N. E. ascend. leave dense pine timber N.E. and S.W. Enter scattering pines, cedars and mahoganys.
40.00	Top of spur projects East.
	Set a sandstone 12 x 8 x 6 ins. 8 ins. in the ground for 1/4 sec. cor. marked 1/4 on W. face; from which a pine 10 ins diam. bears N. 1° W 17 links dist. marked 1/4 S. 23 B. T.
	No other trees available therefore I raised a mound of stone 2 ft base 1½ ft high W. of corner pits impracticable.
42.70	Small gulch drains East ascend.
63.40	Top of ridge bs. N. 75° E and S 75° W. leave scattering pines cedars and mahoganys enter dense pine and aspen timber. descend

Subdivisions of T 15 S R. 14 E.

Chains	
76.00	Bottom of gulch drains N.E. leave dense pine and aspen timber N.E. and S.W. ascend thro scattering pines, cedar, and mahogany.
80.00	Set a sandstone 24x18x8 ins 18 ins in the ground for corner of secs. 13, 14, 23 and 24 marked with 3 notches on S. and 1 on E. edge and raised a mound of stone 2 ft. base 1½ ft high W of cor. pits impracticable.
	Land, mountainous
	Soil, stony and rocky 4th rate
	Timber, dense pine and aspen timber on 31.10 chs dense pine timber on 45.00 chs. scattering cedar pine and mahogany timber on 51.90 chs.
	Mountainous land on 80.00 chs.
	East on a random line bet secs. 13 and 24
40.00	Set temp. 1/4 sec cor.
79.84	Intersect the E. bdy of township 7 links N. of of corner of secs. 13, 18, 19 and 24 which is a sandstone 24x12x8 above ground marked and witnessed as described by the surveyor general.
	Thence I run
	N 89° 57' W on a true line bet. secs 13 and 24
	Over rough clifts and broken country through scattering cedars, pines and mahogangs. ascend
39.92	Set a sandstone 14x12x8 ins. 10 ins in the ground for 1/4 sec. cor. marked 1/4 on N. face from which a pine 24 ins. diam. bears N 68° W. 24 links dist. marked 1/4 S. 13 B.T.
	A cottonwood 8 ins diam brs. S 9° 30' E. 45 links dist. marked 1/4 S. 24 B.T.
44.70	Top of ridge bears N.E. & S.W. leave scattering cedars and mahogany enter dense pine timber N.E. and S.W.
	Descend.
68.50	Bottom of gulch drains N.E. ascend - Leave dense pine timber N.E. and S.W. enter scattering pines, cedars, and mahogany.
79.84	The cor. to secs. 13, 14, 23 and 24.
	Land, mountainous
	Soil, rocky and stony 4th rate

Chains	
	Timber, scattering cedars, pines, and mahogany on 56.04 chs dense pine timber on 23.80 chs Mountainous land on 79.84 chs Aug. 1 1902 at this cor. I set off 18°08' N. on the decl. arc; and at 12h 00m l. m. t. observe the sun on the meridian; the resulting lat. is 39°30' or within 24' of the proper lat.
	N. 0°01' W bet. secs. 13 and 14 Ascend thro scattering mahoganys, cedar, pine and aspen timber.
12.50	Top of spur projects E. descend. Leave scattering mahogany, cedar, pine and aspen timber enter dense pine and aspen timber E and W.
29.40	Bottom of gulch drains East. leave dense pine and aspen timber E & W. enter scattering pine, cedar mahogany and aspen timber. Ascend over sandstone boulders
40.00	Set a sandstone 24x24x6 ins. 18 ins. in the ground for 1/4 Sec. Cor. marked 1/4 on W. face from which An aspen 12 ins. diam. bears N. 58° E 37 links dist. marked 1/4 S. 13 B. T. a pine 5 ins. diam. bears N. 63°45' W. 13 links dist. marked 1/4 S. 14 B. T.
57.45	Top of ridge bears N. 85° W and N 85° E. leave scattering pine, cedar, and mahogany timber enter small aspens and dead timber E. and W.
69.00	Bottom of gulch drains N. E. leave small aspens ascend thro scat. aspens and dead timber
80.00	Top of spur project N. E. Set a sandstone 24x24x6 ins 18 ins in the ground for cor. of secs. 11-12-13 and 14 marked with 4 notches on S. and 1 notch on E edge from which An aspen 6 ins diam. bears S 50°50' W. 61 links dist. marked T. 15 S. R. 14 E S. 14 B. T. An aspen 8 ins diam. bears N 64°30' W. 59½ lks dist. marked T. 15 S. R. 14 E S. 11 B. T. No other bearing trees available therefor.

Subdivisions of T. 15 S. R. 14 E.

Chains	
	I raised a mound of stone 2 ft. base 1½ ft. high W. of cor. Pits impracticable
	Land, mountainous
	Soil, stony and rocky 4th rate
	Timber, scattering pines, aspens, cedars and mahogany
	of 40.55 chs. dense pine and aspen timber on 16.90 chs.
	small aspens and dead timber on 11.55 chs.
	scattering aspens and dead pines on 11.00 chs.
	Mountainous land on 8.00 chs.
	Aug. 1: at 4h 00m p. m. l. m. t I set off
	39°31'16" on the lat. arc 18°06' N. on the decl. arc;
	and determine a meridian with the solar
	at the cor of secs. 11-12-13 and 14
	Thence I run
	S. 89°57' W. on a random line bet. secs. 12 and 13
40.00	Set temp. 1/4 sec. cor.
79.96	I intersect E. bdy of township 2 lks. S of the
	cor. of secs. 7-12-13 and 18 which is a sandstone
	12x6x6 ins. above ground marked and witnessed
	as described by the surveyor general
	Thence I run
	N. 89°58' W. on a true line bet. secs. 12 and 13
	ascend thro scattering cedars, pines and mahogany
	timber over sandstone boulders.
38.80	Top of spur projects N. E. descend
39.98	Set a sandstone 24x24x3 ins. 18 ins. in the
	ground for 1/4 sec. cor. marked 1/4 on N. face
	from which
	A pine 6 ins. diam. brs. S. 24° W. 28 lks. dist.
	marked 1/4 S 13 B. T.
	A pine 12 ins. diam. brs. N. 37°30' E 257 lks dist.
	marked 1/4 S. 12 B. T.
45.00	Leave scattering cedars pine and mahogany
	timber enter scattering aspens and dead
	timber brs. N. E. + S. W.
59.00	Bottom of gulch drains N. E. ascend over
	sandstone boulders
79.96	The Cor. of secs. 11-12-13-14

Subdivisions of T. 15 S. R. 14 E.

Shasta

Land, mountainous
Soil, rocky 4th rate
Timber, scattering cedars, pines and mahogany on 45.00 chs. scattering aspens and dead timber on 34.96 chs
Mountainous land on 79.96 chs.

Aug. 1st 1902

Aug 2: at 7h 00m a.m. l.m.t. I set off 34°31'16" on the lat. arc; 17°57' N. on the decl. arc: and determined a meridian with the solar at the cor. of secs. 11-12-13 and 14
Thence I run
N. 0°01' W. on a random line bet. secs. 11 and 12
20.00 Set temp. 1/4 sec. cor.
80.40 Intersect 6th N. line 130 lks. west of the corner of secs. 1-2-11 and 12 which is a sandstone 12x8x5 ins. above ground marked and witnessed as described by the surveyor general. This falling not being within limits at my point of intersection I set a sandstone 24x12x6 ins. 18 ins. in the ground for closing cor. for secs. 11 and 12 marked C.C. and 6 grooves on S. and 1 groove on E. face from which
An aspen 6 ins. diam. brs. S. 16°30' E. 40 lks. dist. marked T. 15 S. R. 14 E. S. 12 B. T.
A pine 6 ins diam. brs. S. 27° W. 70 lks. dist. Marked T. 15 S. R. 14 E. S. 11 B. T.
I destroyed all marks pertaining to secs. 11 and 12 on the old cor. thence I run
S. 0°01' E on a true line bet. secs. 11 and 12
Descend thro scattering pines and mahogany
4.00 Bottom of gulch drains East. Leave scattering pines and mahogany. Enter dense pine and aspen timber E and W. descend abruptly.
22.40 Top of spur projects E. Descend - leave dense pine and aspen timber enter scattering pines and mahogany.
40.20 Set a sandstone 14x12x6 ins. 10 ins in the ground for 1/4 sec. cor. marked 1/4 on W. face from which

Subdivisions of T. 15 S. R. 14 E.

Chains	
	A mahogany 6 ins. diam. brs. N. 25° E. 62 lks. dist. marked 1/4 S. 12 B.T.
	A mahogany 6 ins. diam. brs. S. 87° 30' W. 32 lks. dist. marked 1/4 S. 11 B.T.
46.40	Bottom of gulch drains N. E. leave scattering pines and mahogany Enter dense pine and aspen timber N. E. and S. W. ascend
51.90	Top of spur projects E. leave dense pine and aspen timber E. and W. Enter scattering pines and mahogany
70.80	Gulch drains East. ascend Leave scattering pines and mahogany enter small aspens and dead timber.
80.40	The cor. of secs. 11-12-13 and 14
	Land, mountainous.
	Soil, rocky and stony 4th rate
	Timber, dense pines and aspens on 28.50 chs. scattering pines and mahogany on 42.30 chs. small aspens and dead timber on 9.60 chs. Mountainous land on 80.40 chs.
	Aug. 2: at this cor I set off 17° 53' on the dial arc, and at 12h 00m l. m. t. observe the sun on the meridian, the resulting lat. is 39° 31' or within 16" of the proper lat.
	East on a retracement line bet secs 1 and 12 From the old cor of secs. 1-2-11 and 12 I run East on a retracement line bet. secs. 1 and 12
40.00	Intersect old 1/4 sec. cor.
C 78.70	Intersect E. bdy of Tp. at the cor of secs. 1-6-7 and 12
	Aug. 2nd 1902
	At the cor. to secs. 34 and 35 on the Third Standard Parallel South on the S. bdy of T. 15 S. R. 14 E. which is a sandstone 17x12x6 ins above ground marked and witnessed as described by the surveyor-general Aug. 3rd 1902 at 7h 00m a. m. l. m. t.

Subdivisions of T. 15 S. R. 14 E.

Chains	
	I set off 39°28' on the lat. arc; 17°41' N. on the decl. arc; and determine a meridian with the solar
	Thence I run
	N. 0°01' W. bet. secs. 34 and 35
	Ascend over a series of rough ledges thro scattering pines and scrub cedars
13.35	Top of sandstone ridge brs. N. 50° E. and S. 85° W.
	From this point a sharp sandstone spur runs North about 8 chs thence N. 10° W. descend
40.00	Set a sandstone 18x12x8 ins. 12 ins in the ground for 1/4 Sec. cor. marked 1/4 on W. face
	from which
	A pine 8 ins. diam. brs. S. 26°45' W. 37 lks. dist. marked 1/4 S. 34 B. T.
	A pine 12 ins. diam. brs. N. 9°45' E. 52 lks. dist. marked 1/4 S. 35 B. T.
60.00	Bottom of South Fork Horse Canon drains N. & W. Trail in bottom but W. side ascend
73.00	Bottom of gulch drains S. 30° W.
80.00	Set a sandstone 24x10x7 ins. 18 ins. in the ground for cor. of secs. 26-27-34 and 35 marked with 1 notch on S. and 2 notches on E. edges
	from which
	A pine 8 ins diam. brs. N. 56° E. 48½ lks. dist. marked T. 15 S. R. 14 E. S. 26 B. T.
	A pine 18 ins. diam. brs. S. 41° E. 25 lks. dist. marked T. 15 S. R. 14 E. S. 35 B. T.
	A pine 24 ins. diam. brs. S. 20° W. 28 lks. dist. marked T. 15 S. R. 14 E. S. 34 B. T.
	A pine 8 ins. diam. brs. N. 18°45' W. 77 lks. dist. marked T. 15 S. R. 14 E. S. 27 B. T.
	Land, mountainous
	Soil, rocky and stony 4th rate
	Timber, scattering pines and scrub cedars on 80.00 chs
	Mountainous land on 80.00 chs
	Aug. 3. at this cor. I set off 17°37' N. on the decl. arc; and at 12h 00m l. m. t. observe the sun on the meridian, the resulting lat. is 39°29' or within 20' of the proper lat.

Subdivisions of T 15 S. R. 14 E.

Chains	
	East on a random line bet. secs. 26 and 35
40.00	Set temp 1/4 sec. cor.
80.10	Intersect N. and S. line 10 lks. S. of the corner of secs. 25-26-35 and 36 thence I run
	S. 89° 56' W. on a true line bet. secs. 26 and 35
	ascend thro. scattering cedars, pines and mahogany
39.80	Top of ridge brs. N. 15 E and S 15° W. descend over rough cliffs and broken country
40.05	Set a sandstone 18 X 10 X 6 ins. 12 ins in the ground for 1/4 sec. cor. marked 1/4 on N. face from which a mahogany 6 ins. diam. brs. N. 16° 30' W. 26 links dist. marked 1/4 S. 26 B. T.
	a pine 18 ins. diam. brs. S. 55° W. 45½ links dist marked 1/4 S. 35 B. T.
75.00	Bottom of gulch drains S. 33° W. Leave mahogany ascend thro scattering cedars and pines
80.10	The cor. of secs. 26-27-34 and 35
	Land, mountainous
	Soil, rocky 4th rate
	Timber, scattering cedars and pines on 80.10 chs.; mahogany on 75.00 chs.
	mountainous land on 80.10 chs.

	Aug 3: at 3h 00m p.m. l.m.t. I set off 39°29' on the lat. arc; 17°35'30" N on the decl. arc; and determine a meridian with the solar at the cor. of secs. 26-27-34 and 35
	Thence I run
	N. 0° 01' W bet secs. 26 and 27
	Over nearly level side hill slopes to E. thro pines.
2.80	Steep ascent to gulch
5.75	Gulch drains S. 15° E.
15.50	Same gulch drains S. W. ascend over rough sandstone boulders.
28.71	ascend gently
33.30	Bottom of gulch drains S. E. descend abruptly over sandstone ledges bearing E. and W.
40.00	Set a sandstone 18 X 14 X 7 ins. 12 ins in the

Chains	
	ground for 1/4 sec. cor. marked 1/4 on W. face
	from which
	a pine 12 ins diam. brs. N.60°45'W. 56 links dist
	marked 1/4 S. 27 B.T.
	a pine 16 ins diam. brs. S.85°50'E. 132 lks. dist.
	marked 1/4 S.26 B.T.
45.45	Foot of cliff about 80 feet high brs. E and W.
46.95	Top of same cliff
56.06	Sandstone cliff about 100 feet high brs. E+W.
58.33	Head of gulch drs. West.
73.50	Top of sharp spur projects S.85°W. Thence steep descent thro pine thicket
80.00	Set a sandstone 18X13X7 ins. 12 ins in the ground for cor. of secs. 22-23-26 and 27 marked with 2 notches on S. and 2 on E. edge from which
	a pine 8 ins diam. brs. N74°E. 11 1/2 lks dist
	marked T.15S. R.14E S 23 B.T.
	a pine 14 ins. diam brs. S.6°45'E. 39 lks dist
	marked T.15S. R 14E S 26 B.T.
	a pine 16 ins. diam brs. S 57°W. 32 lks dist
	marked T.15S. R.14E. S 27 B.T.
	a pine 10 ins diam brs. N.18°W 14 lks. dist.
	marked T.15S R.14E. S 22 B.T.
	Land, mountainous
	Soil, stony and rocky 4th rate
	Timber, pines on 80.00 chs.
	Mountainous land on 80.00 chs.
	Aug. 3, 1902

	Aug 4 at 7h 30' a.m. l.m.t. I set off 39°29'30" on the lat. arc; 17°25'30" N. on the decl. arc; and determined a meridian with the solar at the cor. to secs. 22-23-26 and 27. thence I run
	N.89°56' E on a random line bet secs. 23 and 26
40.00	Set a temp. 1/4 sec cor.
80.10	I intersect N and S. line 3 lks W. of the cor. to secs. 23-24-25 and 26
	Thence I run
	S 89°57' W. bet secs. 23 and 26 on true line

Subdivisions of T. 15 S. R. 14 E.

Chains	
	Ascend over very rough sandstone boulders thro scattering pines cedars and mahogany
14.10	Top of sandstone ridge brs. N. and S.
14.25	Cliff about 40 feet high thence descend over sandstone boulders.
17.00	Bottom of descent. ascend gently
26.70	Top of spur projects S., joins main ridge about 7.50 chs north.
	Descend.
40.05	Set a sandstone 24 X 9 X 5 ins. 18 ins in the ground for 1/4 sec. cor. marked 1/4 on N. face; from which
	a pine 16 ins. diam. brs. N. 60° W. 92 lks dist. marked 1/4 S. 23 B. T.
	a cedar 12 ins diam brs. S. 44° E. 18 lks. dist. marked 1/4 S. 26 B. T.
50.00	Bottom of descent — ascend.
58.40	Top of sharp spur projects S 47° W. descend abruptly
63.00	Descend over ledges.
70.00	Descend more gently
80.10	The cor. to secs. 22-23-26 and 27
	Land, mountainous.
	Soil. rocky and stony 4th rate
	Timber, scattering pines, cedars, and mahogany on 80.10 chs.
	Mountainous land on 80.10 chs.
	Aug 4 at this cor. I set off 17°22' N, on the decl. arc, and at 12h 00m l. m. t., observe the sun on the meridian; the resulting lat is 39°30' or within 28" of the proper lat.
	N. 0°01' W bet. secs 22 and 23
	Descend over very steep ground sloping N. W. thro pine and cedar timber
6.50	Bottom of very rough gulch drains N. W.
	thence ascend over very rough ledges,
30.10	Top of very sharp, high spur projects West.
	thence descend over very rough sandstone

Subdivisions of T. 15 S. R. 14 E.

Chains

ledges

40.00 Set a sandstone 16 x 16 x 3 ins 10 ins. in the ground for 1/4 sec. cor. marked 1/4 on W. face; from which
a pine 16 ins. diam. bra. N. 63° 30' E. 21 1/2 lks. dist. marked 1/4 S. 23 B.T.
a pine 16 ins. diam. bra. N. 80° 50' W. 31 lks. dist. marked 1/4 S. 22 B.T.
Aug 4: at 2h 00m p.m. l.m.t. I set off 17° 20' N. on the decl. arc; 39° 30' on the lat. arc: and determine a meridian with the solar.

47.50 Bottom of very rough deep gulch drains N.W. thence ascend a series of very rough small ledges

80.00 Set a sandstone 20 x 15 x 6 ins 15 ins. in the ground for cor of secs. 14-15-22 and 23 marked with 3 notches on S. and 2 notches on E. edge from which
a cedar 16 ins. diam. bra. N. 15° 15' E. 30 lks dist marked T 15 S. R. 14 E. S. 14 B.T.
a cedar 12 ins diam bra. S 46° W. 38 lks dist. marked T 15 S R 14 E S. 22 B.T.
a cedar 10 ins. diam. bra. N. 18° 45' W. 28 lks dist. marked T. 15 S. R 14 E. S. 15 B.T.
No other bearing tree available therefore I raised a mound of stone 2 ft base 1 1/2 ft. high W. of cor. Pits impracticable
Land, mountainous
Soil, rocky 4th rate
Timber: pines and cedars on 80.00 chs
Very rough mountainous land on 80.00 chs.
Aug 4th 1902

Aug 5 at 7h 00m a.m. l.m.t. I set off 39° 30' N. on the lat arc. 17° 10' N. on the decl. arc. and determine a meridian with the solar at the cor. of secs. 14-15-22 and 23.
Thence I run
N. 8° 57' E. on a random line bet secs. 14 and 23
40.00 Set tmp 1/4 sec. cor.
79.96 Intersect N. and S. line 9 lks. N. of the cor. of

Subdivision of T. 15 S. R. 14 E.

Chains	
	Cor. of secs. 13-14-23 and 24
	Thence I run
	N 89°59' W. bet secs. 14 and 23 ~~[illegible]~~
	ascend thro scattering pines, cedars and mahogany
15.00	Leave scattering cedars, pines and mahogany enter pines and aspens N. W. and S. E.
30.00	Leave aspens E and W.
33.50	Top of main ridge bis. N 10° W and S 10° E. descend over clifts, leave pine timber enter scattering pines and cedars
36.00	Top of cliff 50 feet high.
39.98	Set a sandstone 24 x 18 x 8 ins. 18 ins in the ground for 1/4 sec. cor. marked 1/4 on N face and raised a mound of stone 2 ft. base 1 1/2 ft high N. of cor. Pits impracticable.
	From this corner U.S. Geological Monument bears N 38° 10' W. 23.90 Chs.
79.96	The cor of secs. 14-15-22 and 23
	Land, mountainous
	Soil, rocky and stony 4th rate
	Timber, scattering pines, cedars and mahogany on 15.00 chs. pine and aspen on 15.00 chs. pines on 3.50 chs. scattering pines and cedars on 46.46 chs
	Very rough mountainous land on 79.96 Chs.
	Aug 5 at this corner I set off 17°05'30" N. on the decl. arc; and at 12h 00m l.m.t observe the sun on the meridian. the resulting lat is 39°30' or within 24' of the proper lat.
	N. 0° 01' W. bet. secs. 14 and 15.
	Ascend over sandstone boulders thro scattering pines and cedars
5.20	Top of cliff about 20 ft. high bis. E and W. continue steep ascent.
10.40	Top of long spur projects N. 75° W. descend
34.00	Bottom of gulch drains N.W. heads about 7.75 chs S.E.
40.00	Set a sandstone 15 x 8 x 6 ins 10 ins in the ground for 1/4 sec. Cor. marked 1/4 on W. face; from which

Subdivisions of T. 15 S. R. 14 E.

Chains	
	a pine 7 ins. diam. brs. S 63° 40' E. 68 links dist. marked 1/4 S. 14 B. T.
	a pine 16 ins. diam. brs. N. 56° 15' W. 141 links dist. marked 1/4 S. 15 B. T.
42.90	Highest point on W. slope of mountain thence descend slightly to ravine
47.00	Ravine drains S. W. to gulch above Enter. scattering mahogany E. and W. ascend over very rough sandstone boulders
60.00	Top of spur projects N. 70° W. joins main Patmos about 16 chains East
80.00	Set a sandstone 18 X 14 X 5 ins 12 ins. in the ground for cor. to secs. 10-11-14 and 15 marked with 4 notches on S. and 2 notches on E edges from which
	a pine 9 ins. diam. brs. N. 38° 15' E. 40 lks dist. marked T 15 S. R. 14 E. S. 11 B. T.
	a pine 9 ins diam. brs. N. 28° 15' W 10 lks dist. marked T. 15 S. R. 14 E. S. 10 B. T.
	a pine 9 ins diam. brs. S. 69° 50' E. 12 lks. dist. marked T. 15 S. R. 14 E. S. 14 B. T.
	No other bearing objects available therefore I raised a mound of stone 2 ft. base 1½ ft. high
	W. of cor. Pits impracticable
	Land, mountainous
	Soil, rocky 4th rate
	Timber, scattering cedars and pine on 80.00 chs. scattering mahogany on 33.00 chs.
	Mountainous land on 80.00 chs.
	Aug 5 1902.

	Aug 6 at 8h 00m a. m. l. m. t. I set off 39° 31' 16" on the lat. arc; 16° 52' 30" N. on the decl. arc: and determine a meridian with the solar. at the cor. of secs. 10-11-14 and 15.
	thence I run
	S. 87° 59' E on a random line bet. secs. 11 and 14.
40.00	Set temp. 1/4 sec. cor.
80.06	Intersect N. and S. line 7 lks. S. of the cor. to secs. 11-12-13 and 14

Subdivisions of T. 15 S. R. 14 E.

Chains	
	Thence I run
	S 89° 58' W. on a true line bet. secs. 11 and 14
	Ascend thro small aspens and dead timber
3.50	Spring drains N.
32.00	Top of Patmos Head about 500 feet above sec. cor. brs.
	N.W and S.E. ascend gently thro aspens.
40.00	An aspen 6 ins diam., for 1/4 Sec. Cor. I marked 1/4 S. 11
	on N. side and 14 on S. side from which
	An aspen 6 ins. diam. brs. N. 38° W. 26 lks dist marked
	1/4 S. 11 B. T.
	An aspen 6 ins. diam. brs. S 25° 30' W. 14 lks. dist. marked
	1/4 S. 14 B. T.
45.00	Begin gentle descent.
67.00	W. edge Patmos Head. descend abruptly
80.06	The cor. to secs. 10-11-14 and 15.
	Aug. 6; at this cor. I set off 16° 49' 30" N. on the decl.
	arc. and at 12h 00m l m. t. observe the
	sun on the meridian the resulting lat is
	39° 31' or within 16" of the proper lat.
	Land mountainous. Soil Rock 4th rate.
	Timber quaking asp & Dead timber. Mountainous land 80 acres.
	Knowing that a closing cor. would be necessary
	on the South bdy. of Sec. 3 for secs. 10 and 11 I run
	N. 0° 01' W. on a true line bet. secs 10 and 11
	Descend thro pines and scattering cedars.
3.00	Head of gulch drains W.
7.30	Small Hog back projects Westerly descend rapidly
8.00	Enter small patch quaking asps. E and W.
13.50	Gulch drains Westerly, leave quaking asps E and
	W. ascend
38.00	Top of Hog back. Descend slightly
40.00	Set a sandstone 15 X 7 X 5 ins. 10 ins in the ground
	for 1/4 sec. cor. marked 1/4 on W. face from which
	a pine 15 ins. diam. brs. N. 1° E. 39 1/2 lks. dist marked
	1/4 S. 11 B. T.
	a pine 14 ins. diam. brs. S. 12° 30' W. 39 lks dist marked
	1/4 S 10 B. T.
41.00	Swail and Head of Horse Canon drains S. W. ascend
	over rough rocky ground sloping S. W.
59.00	Top of high ridge projects N. W. joins main
	Patmos Head ridge about 12 ch. S. E. Descend

Chains	
	45° slope - pines get thick on N. slope.
80.38	Fall 136 lks. W of the cor. to secs. 2-3-10 and 11 which is a sandstone 6 x 6 x 16 ins above ground marked and witnessed as described by the surveyor general. As this falling exceeds the limits at my point of intersection I set a sandstone 16 x 12 x 4 ins. 10 ins. in the ground for C. C. to secs. 10 and 11 marked with C.C. and 5 grooves on S. and 2 grooves on E. faces, from which
	a pine 6 ins. diam. brs. S. 63° 35' W. 31½ lks. dist. marked T. 15 S. R. 14 E. S. 10 B.T.
	No other tree in limits on Sec. 11 therefore I raised a mound of stone 2 ft. base 1½ ft. high S. of cor.
	Pits impracticable - I destroyed all marks pertaining to secs. 10 and 11 of the old cor.
	Land mountainous
	Quiz Rocky 4th Rate
	Inter. scattering pines, cedars & quaking asp.
	Mountainous Land 80.38 chs Aug 6 - 1902
	Aug 7 at 7h 30' a.m. l.m.t., I set off 39° 28' on the lat. arc. 16° 36' 30" N. on the decl arc; and determine a meridian with the solar at the cor. of secs. 33 and 34 on the Third Standard Parallel South on the S. bdy of T. 15 S. R. 14 E
	Thence I run
	From the cor. to secs. 33 and 34 on the S. bdy of T. 15 S R 14 E which is a sandstone 14 x 12 x 6 ins above ground marked and witnessed as described by the surveyor general. N. 0° 02' W. bet. secs. 33 and 34
	Descend thro. scattering scrub cedars and pines over rough broken country
10.40	Bottom of ~~Hain~~ Cuman drain S 35° W. Trail in Canon brs. S 35° W. N 352 ascend
40.00	Set a sandstone 18 x 8 x 6 ins. 12 ins. in the ground for 1/4 Sec. Cor. marked 1/4 on W. face from which
	a pine 5 ins. diam. brs. S 57° E. 42.5 lks. dist. marked 1/4 S 34 B.T.
	a cedar 12 in. diam. brs. S. 38° W. 56 lks. dist. marked 1/4 S. 33 B.T.
43.50	Ravine drains S. E. ascend

Subdivisions of T. 15 S. R. 14 E.

Chains	
45.00	Top of small spur projects S. E. descend
49.30	Ravine drains S. E. ascend gently
65.85	Descend into Left Fork, Horse Canon
74.30	Bottom of Left Fork, Horse Canon drains S. E. ascend over clifts.
80.00	Set a sandstone 20×10×8 ins 15 ins in the ground for cor. to secs. 27-28-33 and 34 marked with 1 notch on S and 3 notches on E. edges from which
	a cedar 6 ins. diam. brs. N. 85°15' E. 5 lks dist marked T. 15 S. R. 14 E. S 27 B. T.
	a cedar 12 ins. diam brs. S. 15°30' E. 39 lks dist marked T. 15 S. R. 14 E. S 34 B. T.
	a pine 6 ins. diam. brs. S. 2°30' W. 205 lks dist marked T. 15 S. R. 14 E. S 33 B. T.
	a pine 14 ins. diam. brs. N. 49°45' W. 33 lks dist. marked T. 15 S. R. 14 E. S 28 B. T.
	Land mountainous
	Soil, rocky 4th rate
	Timber, scattering cedars and pines on 80.00 chs.
	mountainous land on 80.00 chs.
	Aug 7: At this cor. I set off 16°33' N on the decl. arc., and at 12h 00m l. m. t observed the sun on the meridian, the resulting lat. is 39°29' or within 20" of the proper lat.
	E. on a random line bet. secs. 27 and 34
40.00	Set temp. 1/4 Sec. Cor.
79.94	I intersect N and S line 10 lks. N. of the cor of secs. 26-27-34 and 35
	Thence I run
	N. 89°56' W. on a true line bet. secs. 27 and 34
	Ascend thro scattering cedars and pines over broken country and sandstone ledges.
33.39	Top of main ridge 400 feet above the sec. cor. brs. S. 15° E. and N. 15° W. Descend.
35.50	Knowing from running of random line that 1/4 Sec. Cor. falls on a cliff at this point I set

Subdivisions of T. 15 S. R. 14 E.

Chains	
	a sandstone 24 X 16 X 12 ins. 18 ins in the ground for Witness 1/4 Sec. Cor. marked W.C. 1/4 on N. face from which
	a pine 24 ins diam. brs. S. 40° 15' E 6 1/2 lks. dist. marked WC 1/4 S. 34 B.T.
	a cedar 24 ins diam. brs. N. 62° 30' W. 7 lks. dist marked W.C. 1/4 S. 27 B.T.
39.97	Cliff about 50 feet high, 1/4 sec cor not set
53.70	Top of ridge bears N. and S.
79.94	The Cor. to secs. 27-28-33 and 34.
	Land mountainous, Soil Rocky 4th rate.
	Timber scattering, pine & cedar.
	Mountainous Land. 79.94 chs.
	Aug 7: at 3h 30' p.m. l.m.t I set off 39°29' on the lat. arc. 16° 30' 30" N. on the decl arc and determine a meridian with the solar at the cor. to secs. 27-28-33 and 34
	Thence I run
	N. 0° 02' W. bet. secs. 27 and 28
	ascend thro scattering cedars and pines over rough broken country
2.50	Small gulch drains W.
5.30	Top of ascent, descend
22.50	Horse Canon drains S. 15° W. ascend
27.50	Top of spur projects E. descend.
31.40	~~Horse Canon~~ drains S 75° E. ascend.
40.00	Set a sandstone 18 X 12 X 12 ins. 12 ins in the ground for 1/4 sec. cor. marked 1/4 on W. face from which
	a pine 8 ins. diam. brs. N. 5° W 34 lks. dist. marked 1/4 S 28 B.T.
	a cedar 12 ins diam. brs N. 55° E. 62 lks. dist marked 1/4 S. 27 B.T.
40.50	Begin descent.
46.00	Enter Bottom of ~~Horse Canon~~ drains S. 20° W.
48.00	Leave Gulch drains S. ascend.
80.00	Set a sandstone 16 X 16 X 8 ins 10 ins in the ground for cor to secs. 21-22-27 and 28 marked with 2 notches on S. and 3 notches on E. edge from which
	a pine 5 ins. diam. brs. N. 45° E 28.7 lks dist.

Subdivisions of T. 15 S. R. 14 E.

Chains	
	marked T. 15 S. R. 14 E. S. 22 B. T.
	a cedar 12 ins. diam. brs. S 14° 40' E. 133 lks dist
	marked T. 15 S. R. 14 E. S. 27 B. T.
	a cedar 8 ins. diam. brs. S. 32° 20' W. 155 lks. dist
	marked T. 15 S R. 14 E. S. 28 B. T.
	a pine 8 ins. diam brs. N. 83° 10' W. 86 lks. dist.
	marked T. 15 S. R. 14 E. S. 21 B. T.
	Land, mountainous
	Soil, rocky 4th rate
	Timber, scattering cedars and pinon 80.00 chs.
	Mountainous land on 80.00 chs
	Aug 7 1902
	Aug. 8: at 7h 00m A. M. l. m. t., I set off 39° 29' 30" on the lat. arc., 16° 20' N., on the dec. arc. and determine a meridian with the solar at the cor. of secs. 21-22-27 and 28
	Thence I run
	S. 89° 56' E. on a random line bet. secs. 22 and 27
40.00	Set temp 1/4 Sec. Cor.
80.10	Intersect the N. and S. line. 3 lks. S of the cor. of secs. 22-23-26 and 27
	Thence I run
	N. 89° 57' W. on a true line bet. secs. 22 and 27
	ascend slightly thro thick pinon and scrub cedars
0.75	Descend very steep, rough, sidehill sloping N.
40.05	Set a sandstone 14 x 12 x 6 ins 10 ins in the ground for 1/4 sec. cor. marked 1/4 on N. face from which
	a pine 10 ins diam. brs. N. 48° E. 19 lks dist. marked 1/4 S. 22 B. T.
	a pine 8 ins. diam. brs. S 68° W. 51 lks. dist. marked 1/4 S. 27 B. T. – This corner is about 700 feet lower than the sec. cor. East.
53.60	Bottom of gulch drains S. about 10.00 chs. thence S.W. ascend.
61.00	Top of high ridge brs. N. and S. descend.
73.00	Bottom of gulch drains S. – ascend over boulders.
80.10	The cor. to secs. 21-22-27 and 28
	Land mountainous

Chains	
	Soil, rocky 4th rate
	Timber, scattering cedars and pines on 80.10 chs.
	Mountainous land on 80.10 chs.
	Aug 8: At this cor. I set off 16°16' N. on the decl. arc; and at 12h 00m l. m. t. observe the sun on the meridian, the resulting lat is 39°30' or within 28" of the proper lat.
	N. 0°02' W. bet secs. 21 and 22
	Ascend thro scattering cedars and pines
10.50	Horse Canon drains S 35° E. ascend along E slope of Canon.
29.00	Bottom of Horse Canon drains S 15° W. ascend over rolling broken country
40.00	Set a sandstone 18 X 12 X 8 ins. 12 ins. in the ground for 1/4 sec. cor. marked 1/4 on W. face from which
	a pine 4 ins diam. brs. S 32° 30' E. 32 lks dist. marked 1/4 S. 22 B. T.
	a pine 6 ins diam brs. S 47° W 36 lks dist. marked 1/4 S 21 B. T.
80.00	Set a sandstone 18 X 16 X 4 ins 12 ins in the ground for cor of secs. 15-16-21 and 22 marked with 3 notches on S and 3 notches on E edges - from which
	a pine 10 ins. diam. brs. N. 29° E. 30 lks dist marked T. 15 S. R 14 E. S 15 B. T.
	a pine 10 ins. diam. brs. S. 60° 30' E. 43 lks dist marked T. 15 S. R. 14 E S. 22 B. T.
	A cedar 12 ins. diam. brs. S. 24° W 11 lks dist. marked T. 15 S. R. 14 E. S 21 B. T.
	A pine 12 ins diam brs. N. 50° 30' W. 7 lks. dist. marked T. 15 S R 14 E. S 16 B. T.
	Land, mountainous
	Soil, rocky 4th rate
	Timber, scattering cedars and pine on 80.00 chs.
	Mountainous land on 80.00 chs.

Subdivisions of T. 15 S. R. 14 E.

Chains	
	Aug 9: at 7h 30 a. m. l. m. t. I set off 39° 30' 30" on the lat. arc; 16° 03' N. on the decl. arc., and determine a meridian with the solar at the cor. of secs. 15-16-21 and 22.
	Thence I run
	S. 89° 57' E on a random line bet. secs. 15 and 22
40.00	Set temp. 1/4 sec. cor.
80.06	Intersect N. and S. line at the cor. of secs. 14-15-22 and 23
	Thence I run
	N. 89° 57' W on a true line bet. secs. 15 and 22.
	Ascend slightly over rough sandstone boulders thro scattering cedars and pines
5.00	Top of spur projects S. W. descend.
11.50	Head of gulch drains S. W. ascend
40.03	Set a sandstone 30 X 15 X 3 ins. 23 ins. in the ground for 1/4 Sec. Cor. marked 1/4 on N. face; from which A pine 14 ins. diam. brs. N. 80° 40' E. 18 1/2 lks dist marked 1/4 S. 15 B.T.
	No other bearing tree available therefore I raised a mound of stone 2 ft. base 1 1/2 ft high N. of cor. Pits impracticable.
41.00	Top of spur projects S. W. descend
46.00	Top of spur projects N. W. descend
72.50	Horse Canon drains South. ascend
80.06	The cor. of secs. 15-16-21 and 22
	Land, mountainous
	Soil, rocky 4th rate
	Timber; scattering cedars and pines on 80.06 Chs.
	mountainous land on 80.06 Chs.
	Aug 9: at this cor. I set off 15° 59' N on the decl arc; and at 12h 00m l. m. t. observe the sun on the meridian. the resulting lat. is 39° 30' or within 24" of the proper lat.
	N. 0° 02' W bet. secs. 15 and 16
	Ascend thro scattering cedars, pines and mahogany
25.00	Small ravine drains East.
40.00	Set a sandstone 12 X 8 X 8 ins. 8 ins. in the ground

Subdivisions of T. 15 S. R. 14 E.

Chains	
	for 1/4 sec. cor. marked 1/4 on W. face from which
	a pine 24 ins. diam. brs. N. 17° 30' E. 89 lks dist. marked
	1/4 S. 15 B. T.
	a pine 12 ins. diam. brs. N. 69° W. 170 lks dist. marked
	1/4 S. 16 B. T.
41.10	Ascend over clifts.
47.70	Ascend more gently
77.50	Top of ridge brs. E and W. Descend abruptly. Ridge about
	500 feet higher than sec. cor. south.
80.00	Set a sandstone 20x16x5 ins 15 ins in the ground for
	cor. of secs. 9-10-15 and 16 marked with 4 notches
	on S. and 3 notches on E. edges from which
	a pine 10 ins. diam. brs. N. 34° 10' E. 21 lks dist. marked
	T. 15 S. R. 14 E. S. 10 B. T.
	a pine 10 ins. diam. brs. S. 62° 15' E. 19 1/2 lks dist. marked
	T. 15 S. R 14 E. S. 15 B. T.
	a pine 6 ins. diam. brs. S 49° 30' W. 16 lks. dist. marked
	T 15 S. R. 14 E. S. 16 B. T.
	a pine 8 ins. diam brs. N 61° W. 37 1/2 lks. dist. marked
	T 15 S. R. 14 E. S. 9 B. T.
	Land, mountainous
	Soil, rocky 4th rate
	Timber, scattering cedars and pines on 80.00 Chs.
	Mountainous land on 80.00 Chs.

	Aug. 9: at 4h 30' p.m. l.m.t. I set off 39° 31'
	on the lat arc. 15° 56' N on the dec. arc; and
	determine a meridian with the solar at the
	cor. of secs. 9-10-15 and 16
	Thence I run
	S. 89° 57' E on a random line bet. secs. 10 and 15
40.00	Set temp. 1/4 sec. cor.
80.10	Intersect N and S line 7 lks. S. of the cor of secs.
	10-11-14 and 15.
	Thence I run
	West on a true line bet. secs. 10 and 15
	Descend very steep mountain slopes West. thru
	scattering cedar and pine.

Subdivisions of T. 15 S. R. 14 E.

Chains	
21.35	Bottom of gulch drains N.W. Enter quaking aspen N. and S.
27.60	Top of spur projects N.W. about 10.00 chs. Descend, leave aspens N. and S. Descend over a series of ledges bs. N. and S.
35.00	Enter Mahogany. High round knoll bs. N. about 45 chs.
39.00	Top of high ledges bs. N. and S.
40.05	Set a sandstone 24×10×5 ins 18 ins in the ground for 1/4 sec. cor. marked 1/4 on N. face from which a pine 18 ins. diam. bs. S. 50° W. 46 1/2 lks dist. marked 1/4 S. 15. B.T.
	No other bearing tree available therefore, I raised a mound of stone 2 ft base 1 1/2 ft. high N. of cor. Pits impracticable
44.60	Bottom of Horse Canon drains S. ascend
59.10	From this point a spring of good water bs. N. 51° E. about 12.00 chs.
77.40	Top of ridge bs. N. and S. Descend, leave mahogany
80.10	The cor. of secs. 9-10-15 and 16.
	Land, mountainous
	Soil rocky 4th rate
	Timber, Scattering cedars and pines on 80.10 chs. aspens on 6.25 chs. mahogany on 42.40 chs.
	Mountainous land on 80.10 chs.
	Aug. 9 1902

Aug 10: at 8h 00m a.m. l.m.t I set off 39° 31' on the lat. arc. 15' 45' N. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 9-10-15 and 16.

Knowing that a closing cor. would be necessary on S. bdy. sec. 4 I run N. 0° 02' W. on a true line bet. secs. 9 and 10.

Over slightly descending ground on W slope of ridge over sandstone boulders thro. scattering pines and cedars.

7.50	Ground becomes more rough – Top of high ridge about 4 1/2 chs. East.
40.00	Set a sandstone 12×12×4 ins. 8 ins. in the ground for 1/4 sec. cor. marked 1/4 on W. face; from which a pine 20 ins. diam. bs. N. 88° 25' W. 119 lks dist. marked 1/4 S. 9 B.T.

Chains	
	a fine 40 ins. diam. brs. S 62° 35' E 228 lks. dist. marked 1/4 S. 10 B.T.
40.15	ascend over very rough and steep sandstone ledges and boulders
61.20	Top of sharp ridge projects N. W. for ~~about 4 ch~~ thence West
80.36	Fall 153 lks. W. of the old cor. of secs. 3-4-9-10 which is a sandstone 11 X 6 X 6 ins. above ground marked and witnessed as described by the surveyor general.
	As this falling exceeds the limit, at my point of intersection I set a sandstone 16 X 8 X 4 ins. 11 ins. in the ground for Closing cor. for secs. 9 and 10 marked C.C. and 5 grooves on S. and 3 grooves on E. faces from which.
	A fine 9 ins. diam. brs. S 83° 40' W. 52 lks. dist. marked T. 15 S. R. 14 E. S. 9 B.T.
	A fine 12 ins. diam. brs. S. 25° 35' E. 40 1/2 lks. dist. marked T. 15 S. R. 14 E. S. 10 B.T. and destroyed all marks pertaining to secs. 9 and 10 of the old cor.
	Land mountainous
	Soil rocky and stony 4th rate
	Timber scattering cedars and pines on 80.36 Chs.
	Mountainous land on 80.36 Chs.
	Aug 10: at this cor. I set off 15° 41' 30" N. on the decl. arc; and at 12h 00m l.m.t. observe the sun on the meridian, the resulting lat. is 39° 32' or within 8' of the proper lat.
	Aug 10: at 3h 00m p.m. l.m.t. I set off 39° 28' on the lat. arc; 15° 39' 30" N. on the decl. arc and determine a meridian with the solar at the S.C. of secs. 32 and 33 on the Third Standard Parallel South, or the S. bdy of T. 15 S. R. 14 E. which is a sandstone 7 X 5 X 5 ins. above ground marked and and witnessed as described by the surveyor general. Thence I run

Subdivisions of T. 15 S. R. 14 E.

Chains

N. 0°03' W. bet. secs. 32 and 33

Ascend thro scattering cedars and pines

6.20 Top of ridge brs. E and W. descend.

34.00 Bottom of gulch drains S.W. ascend over sandstone boulders.

40.00 Set a sandstone 22x10x8 ins. 16 ins in the ground for 1/4 sec. cor. marked 1/4 on W. face from which

a pine 8 ins. diam. brs N. 20°40' W. 50 lks. dist marked 1/4 S. 32 B.T.

a pine 8 ins. diam. brs. S. 39° E. 83 lks dist. marked 1/4 S. 33 B.T.

46.20 Top of spur projects W. descend

56.50 Head of gulch drains S.W. ascend

59.00 Top of spur projects W. descend

62.00 Bottom of gulch drains W. ascend

63.50 Small spur projects W. descend

67.00 Bottom of gulch drains W. ascend over sandstone ledges and boulders.

80.00 Set a sandstone 18x8x6 ins 12 ins in the ground for cor. of secs. 28-29-32 and 33 marked with 1 notch on S and 4 notches on E. edges from which

a pine 8 ins. diam. brs. N. 85°30' E. 11½ lks. dist marked T. 15 S. R. 14 E. S 28 B.T.

a pine 10 ins diam. brs. S 78°40' E. 52 lks. dist. marked T. 15 S. R. 14 E. S. 33 B.T.

a pine 8 ins. diam. brs. S 56° W. 54½ lks. dist. marked T. 15 S. R. 14 E. S. 32 B.T.

a pine 10 ins. diam. brs. N. 25°45' W. 54 lks. dist. marked T. 15 S. R. 14 E. S. 29 B.T.

Land, mountainous

Soil, rocky 4th rate

Timber, scattering cedars and pines on 80.00 chs.

mountainous land on 80.00 chs.

Aug 11 at 7h 30m a.m. l.m.t. I set off 39°29' on the lat. arc; 15°28' N. on the decl. arc; and determine a meridian with the solar at the cor. of secs.

Subdivisions of T. 15 S. R. 14 E.

Chains	
	28-29-32 and 33
	East on a random line bet. secs. 28 and 33
40.00	Set a temp. 1/4 sec. cor.
80.16	I intersect the N. and S. line at the cor. of secs. 27-28-33 and 34.
	Thence I run
	West on a true line bet. secs. 28 and 33
	Over ascending ground thro scattering cedars and pines
3.00	Horse Canon, drains S 15° E. ascend over very steep ground covered with sandstone boulders.
40.08	Set a sandstone 18x12x6 ins 12 ins. in the ground for 1/4 sec. cor. marked 1/4 on N. face from which a pine 8 ins. diam. brs. N. 46° 30' E. 73½ lks. dist. marked 1/4 S. 28 B. T.
	a pine 10 ins. diam brs. S. 30° W. 10½ lks dist marked 1/4 S. 33 B. T.
44.50	Top of ridge brs. S. 15° W. thence descend slightly over rough sandstone boulders.
80.16	The cor. of secs. 28, 29-32 and 33
	Land, mountainous
	Soil rocky and stony 4th rate
	Timber, scattering cedars and pines on 80.16 chs.
	Mountainous land on 80.16 chs.
	Aug 11: at this cor. I set off 15° 24' N. on the decl arc: and at 12h 00m l.m.t. observe the sun on the meridian, the resulting lat. is 39° 29' or within 2' of the proper lat.

	West on a random line bet. secs. 29 and 32
40.00	Set temp. 1/4 sec. cor.
53.60	Top of impassable cliff about 300 feet high.
	To determine the distance from this point to the sec. cor. I set a flag at this point and measure a base of 20.00 chs. to the South thence set a flag on line at which the flag set 20.00 chs. S. of line bears S. 43° 45' E. therefore the distance is cotan. X Base, or .95729 X 20.00 ch. = 19.15 ch. making the whole distance 72.75 chs. thence I continue chaining

Subdivisions of T. 15 S. R. 14 E.

Chains	
	West and at
79.84	I intersect N. and S. line 23 lks. N. of the cor. of secs. 29-30-31 and 32 which is a sandstone 12x6x6 ins. above ground marked and witnessed as described by the surveyor general.
	Thence I run
	N. 89° 50' E. on a true line bet. secs. 29 and 32
	Ascend gently thro scattering cedars and pines.
7.08	from this point begin a bright ascent over sandstone ledges and boulders.
26.24	Top of perpendicular ledge 300 feet high brs. N. and S.
39.92	Set a sandstone 16 X 16 X 6 ins 12 ins in the ground for 1/4 sec. cor. marked 1/4 on N. face from which a pine 12 ins. diam. brs. N. 27° 45' W. 73 lks. dist. marked 1/4 S. 29 B.T.
	a pine 14 ins. diam brs. S. 73° 20' W 72 lks. dist. marked 1/4 S. 32 B.T.
40.13	Bottom of gulch drains S. ascend over rough sandstone ledges along W. slope of spur
52.59	Top of spur projects S.
70.84	Bottom of deep gulch drains S.W. heads about 23 chs. N.E. ascend.
79.84	The cor. of secs. 28-29-32 and 33
	Soil, rocky 4th rate
	Timber scat. cedars and pines on 79.84 chs.
	Mountainous land on 79.84 chs. Aug. 11 1902
	Aug. 12 1902 sky was overcast and solar observation impossible therefore I backsight on line bet. sec. 32 and 33 and continue the same
	N. 0° 03' W bet. secs. 28 and 29
	Ascend over ledges thro scattering cedars and pines
10.00	Small ravine drains S.W. ascend
12.50	Small spur projects S.W. descend
20.50	Bottom of gulch drains S.W. ascend
40.00	Set a sandstone 12x12x8 ins 8 ins in the ground for 1/4 sec. cor. marked 1/4 on N. face from which a pine 14 ins. diam. brs. N. 33° 30' E. 31 lks dist. marked 1/4 S. 28 B.T.
	a pine 14 ins. diam. brs. N. 63° W. 38 lks. dist. marked 1/4 S. 29 B.T.

Subdivisions of T. 15 S. R. 14 E.

Chains	
46.80	Top of ridge brs. S.55°W. and N.55°E. Set a flag on this ridge to use as triangulation base on line running E. bet. secs. 21 and 28 – descend
80.00	Set a sandstone 22×18×4 ins. 16 ins. in the ground for cor. of secs. 20-21-28 and 29 marked with 2 notches on S. and 4 on E. edges from which A pine 9 ins. diam. brs. N. 1° E. 18½ lks. dist. marked T.15 S. R. 14 E. S. 21 B.T. a cedar 8 ins. diam. brs. S. 35°30' E. 37½ lks dist. marked T. 15 S. R. 14 E. S. 28 B.T. a pine 7 ins. diam. brs. S. 89° W. 13 lks. dist. marked T. 15 S. R. 14 E. S. 29 B.T. No other bearing tree available therefore I raised a mound of stone 2 ft. base 1½ ft. high W. of cor. Pits impracticable Land, mountainous Soil, rocky 4th rate Timber, scattering cedars and pines on 80.00 chs. mountainous land on 80.00 chs. At noon hour sky was overcast and no observation impossible
	East on a random line bet. secs. 21 and 28. Ledges 100 to 300 feet high make it impossible to chain this mile so I set a flag on line on top of ridge above clifts. then to determine the distance I use the base of 33.20 chs. S. which bears S 48°28' W. therefore the distance is: log sin. 48°31' + log 32.20 chs. – log sin. 41°32 = 37.51 chs or, 9.8745679 + 1.5211381 = 1.3957060 – 9.8215500 = 1.5741560 = 37.51 chs as it was impossible to triangulate to a point any farther West an angle less than 45° had to be used.
40.00	Set temp. 1/4 sec. cor.
80.06	Intersect N. and S. line 7 lks. S. of the cor. of secs. 21-22-27 and 28 Aug 12: at 3h 00m p.m. l.m.t. I set off 39° 29' 30" on the lat. arc. 15° 04' N. on the decl. arc; and

Subdivisional of T. 15 S. R. 14 E.

Chains

determine a meridian with the solar at the cor. of secs. 21-22-27 and 28.
Thence I run
S. 89°57' W. on a true line bet. secs. 21 and 28.
ascend over sandstone boulders thro scattering cedars and pine
40.03 Set a sandstone 18 X 10 X 3 ins. 12 ins in the ground for 1/4 sec. cor. marked 1/4 on N. face from which
a pine 20 ins. diam. brs. N. 35°45' E. 34 lks. dist. marked 1/4 S. 21 B. T.
a cedar 8 ins. diam. brs. S. 79°15' E. 32 1/2 lks. dist. marked 1/4 S. 28 B. T.
42.55 Top of ridge brs N. and S. about 500 feet above sec. cor. East, and 600 feet above sec. cor. West.
descend over perpendicular clifts.
80.06 The cor. of secs. 20, 21-28 and 29
Land, mountainous
Soil, rocky 4th rate
Timber, scattering cedars and pines on 80.06 chs.
Mountainous land on 80.06 chs.
Aug. 12 1902

Aug 13: at 7h 30m a.m. d. m. t. at the cor. of secs. 20, 21, 28 & 29
I set off 34°29'38" on the lat. arc. 14°52' N. on the decl. arc. and determine a meridian with the solar
Thence I run
S. 89°50' W. on a random line bet. secs. 20 and 29
40.00 Set temp. 1/4 sec. cor.
79.90 I intersect N. and S. line 16 chs. S. of the cor. of secs. 19-20-29 and 30 which is a sandstone 18 X 18 X 12 ins above ground marked and witnessed as described by the surveyor general.
Thence I run
N. 89°57' E. on a true line bet. secs. 20 and 29.
Descend thro scattering cedars and pines
10.90 Bottom of gulch drains N. ascend gently
19.90 Foot of mountain, ascend gently, at this point I set a flag to use as one end of base for triangulation on line running N. bet. secs. 20 and 21

Subdivisions of T. 15 S. R. 14 E.

Chains	
39.95	Set a sandstone 18 x 6 x 6 ins. 12 ins. in the ground for 1/4 sec. cor. marked 1/4 on N. face from which
	a pine 8 ins. diam. brs. N. 13° 45' W. 15 1/2 lks dist. marked 1/4 S 20 B.T.
	a cedar 12 ins. diam. brs. S. 69° 50' E. 23 1/2 lks dist. marked 1/4 S. 29 B.T.
45.90	Highest point reached on N. slope descend gently
75.90	Bottom of draw drains N.
79.90	The cor. of secs. 20-21-28 and 29
	Land, mountainous
	Soil, rocky 4th rate
	Timber, scattering cedars and pines on 79.90 chs.
	Mountainous land on 79.90 chs
	At this cor. I set off 14° 48' N. on the decl. arc; and at 12h 00m l. m. t. observe the sun on the meridian the resulting lat. is 39° 29' 30" within 2' of the proper lat.
	N. 0° 03' W. bet. secs. 20 and 21
	Descend thro scattering cedars and pines over ledges
2.50	Main gulch drains W. about 2 chs. thence N.W. From this gulch rises nearly abrupt clifts about 500 ft high
20.00	Top of ledgy spur projects W. descend
32.50	Bottom of gulch drains S.W. ascend over impassable perpendicular clifts about 500 ft. high
	It being impossible to chain any farther I set a flag on top of ridge and to determine the distance I use the distance from the sec. cor. to the flag set on line bet. secs. 20 and 29 which is 6000 chs. as a base, from the flag set on top of ridge the west end of base brs. S. 45° 11' W. the sec. cor. brs. S. 0° 03' E giving me an angle of 45° 14'. therefore the dist. is cotan. of 45° 14' x base, or .992 x 60.00 = 59.52 chs.
40.00	As 1/4 sec. cor. falls on clifts it could not be set at this point.
59.52	On top of ridge brs. N. 78° E. and west. I set a sandstone 24 x 10 x 8 ins. 18 ins. in the

Subdivisions of T. 15 S. R. 14 E.

Chains

ground for Witness 1/4 sec. cor. marked W.C. 1/4 on W. face from which
a pine 12 ins. diam. brs. N. 20° 30' E. 18 lks. dist. marked W.C. 1/4 S. 21 B.T.
a pine 12 ins. diam. brs. S. 85° 45' W. 20 lks. dist. marked W.C. 1/4 S. 20 B.T.
Aug 13: at 5h 00m p.m. l.m.t I set off 39° 30' on the lat. arc. 14° 45' N. on the decl. arc; and determine a meridian with the solar at the the W.C. 1/4 Sec. Cor. bet. secs. 20 and 21
thence I continue N. 0° 03' W. —
Descend over smooth grassy N. slope,
80.00 Set a sandstone 15 x 15 x 7 ins. 10 ins. in the ground for cor. of secs. 16-17-20 and 21 marked with 3 notches on S. and 4 notches on E. edge from which
a pine 6 ins. diam. brs. S. 50° 15' E. 63 lks dist. marked T. 15 S. R. 14 E. S. 21 B.T.
a pine 9 ins. diam. brs. S. 75° 30' W. 39 1/2 lks. dist. marked T. 15 S. R. 14 E. S. 20 B.T.
a cedar 8 ins. diam. brs. N. 30° 13' W. 55 1/2 lks dist. marked T. 15 S. R. 14 E. S. 17 B.T.
No other bearing tree available therefore I raised a mound of stone 2 ft base 1 1/2 ft high. W. of cor. Pits impracticable.
Land, mountainous
Soil, rocky 4th rate
Timber, scattering cedars and pines on 80.00 chs.
Mountainous land on 80.00 chs.

Aug 13 1902

Aug 14: at 7h 00m a.m. l.m.t. I set off 39° 30' 30" on the lat. arc. 14° 35' N. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 16-17-20 and 21
Thence I run
N. 89° 57' E. on a random line bet. secs. 16 and 21
40.00 Set temp 1/4 sec. cor.
80.00 I intersect the N and S. line 3 lks S. of the cor. to secs. 15-16-21 and 22

Subdivisions of T. 15 S. R. 14 E.

Chains	
	Thence I run
	S. 89° 56' W. on a true line bet. secs. 16 and 21
	ascend thro scattering cedars and pines
22.00	Top of ridge bts. N. and S. descend gradually
40.00	Set a sandstone 20 x 12 x 10 ins. 15 ins. in the ground for 1/4 Sec. Cor. marked 1/4 on N. face and raised a mound of stone 2 ft. base 1½ ft. high N. of cor.
	Pits impracticable
48.50	Begin abrupt descent
60.50	Descend more gradually along N. slope of ridge
80.00	The cor. of secs. 16-17-20 and 21
	Land, mountainous
	Soil, rocky 4th rate
	Timber, scattering cedars and pines on 8.00 chs.
	Mountainous land on 8.00 chs.
	Aug. 14: at this cor. I set off 14° 29' N. on the decl. arc; and at 12h 00m l. m. t. observe the sun on the meridian, the resulting lat. is 39° 30' 30" or within 6" of the proper lat.
	S. 89° 57' W. on a random line bet. secs. 17 and 20
40.00	Set temp. 1/4 sec. cor.
80.04	Intersect N. and S. line 3 lks. S. of the cor. of secs. 17-18-19 and 20 which is a sandstone 24 x 16 x 12 ins. above ground marked and witnessed as described by the surveyor general
	Thence I run
	N. 89° 58' E. on a true line bet. secs. 17 and 20
	ascend thro scattering cedars and pines
1.50	Top of very small spur proj. S. descend over rough blue clay banks
6.00	Bottom of wash drains S. ascend over blue clay banks at foot of mountain
27.00	Ascend gently along N. slope of mountain
	Enter cedars and pines
40.02	Set a sandstone 16 x 12 x 6 ins. 11 ins. in the ground for 1/4 sec. cor. marked 1/4 on N. face from which

Subdivisions of T. 15 S. R. 14 E.

Chains	
	A cedar 14 ins. diam. brs. N. 43° 30' W 11½ lks. dist. marked 1/4 S. 17 B. T.
	A pine 6 ins. diam brs. S. 23° 45' E 41 lks. dist. marked 1/4 S. 20 B. T.
	At this cor. at 4h 00m p. m. l. m. t. I set off 39° 50' 50" on the lat arc. 14° 27' N. on the decl. arc. and determine a meridian with the solar. thence I continue N. 89° 58' E.
51.50	Enter grassy slope
80.04	The cor. of secs. 16-17-20 and 21.
	Land mountainous
	Soil, rocky and clay - 4th rate
	Timber, scattering cedars and pines on 53.04 chs.
	Mountainous land on 80.04 chs.
	Aug. 14 1902
	Aug. 15 the sky was overcast and solar observation impossible
	N. 0° 03' W. bet. secs. 16 and 17
	Descend over sandstone boulders thro scattering cedars and pines.
6.50	Bottom of gulch drains Westerly. Heads about 10.00 chs. East thence ascend over a series of sandstone ledges bear E and W.
15.00	Coal outcrop brs. N. W. and S. E.
22.00	End of spur brs. N. 20° E. and foot of cliff about 20 ft. high - thence along W end of cliff.
27.00	Cliff brs. W.
32.00	Ground gets more smooth slopes S. W. cedars and pines get thicker.
40.00	Set a sandstone 17 x 8 x 6 ins 12 ins. in the ground for 1/4 sec. cor. marked 1/4 on W. face from which A pine 8 ins. diam. brs. N. 50° 25' W. 27 lks. dist. marked 1/4 S. 17 B. T.
	A pine 10 ins diam brs. S. 11° 45' E. 10½ lks dist. marked 1/4 S. 16 B. T.
44.50	Ravine drains S. W. ascend very steep hill over rough sandstone boulders.
60.00	Top of steep ascent. ascend very gently

Subdivisions of T. 15 S. R. 14 E.

Chains	
8000	Set a sandstone 30 x 18 x 3 ins. 23 ins. in the ground for cor. of secs. 8-9-16 and 17 marked with 4 notches on S. and E. edges from which A pine 6' diam. brs. S. 32° 30' E. 110 lks. dist. marked T. 15 S. R. 14 E. S. 16 B.T. No other bearing trees available therefore I raised a mound of stone 2 ft. base 1½ ft. high W. of cor. Pits impracticable Land, mountainous Soil, rocky 4th rate Timber, scattering cedars and pines on 8000 chs. Mountainous land on 8000 chs. Aug 15: sky was overcast at noon hour and solar observation impossible
	N. 89° 56' E. on a random line bet. secs. 9 and 16.
4000	Set temp 1/4 sec. cor.
8000	I intersect the N. and S. line 9 lks. N. of the cor. of secs. 9-10-15 and 16. Thence I run West on a true line bet. secs. 9 and 16 Descend over a series of small ledges bearing N. and S. thro scattering cedars and pines.
2950	Bottom of big gulch drains N. W. ascend
4000	Set a sandstone 16 x 7 x 5 ins. 11 ins. in the ground for 1/4 sec. cor. marked 1/4 on N. face and raised a mound of stone 2 ft. base 1½ ft. high N. of cor. Pits impracticable
4055	Top of spur projects N. W. about 1500 lk. joins main ridge about 750 chs. S. E. Descend.
5450	Head of gulch drains N. W. ascend over smooth land sloping N.
8000	The cor. to secs. 8-9-16 and 17 Land, mountainous Soil, rocky 4th rate Timber, scattering cedars and pines on 8000 chs. Mountainous land on 8000 chs. Aug. 15, 1902

Subdivisions of T. 15 S. R. 14 E.

Chains	
	Aug 16: at 7h 30m A.m. l.m.t. I set off 39°31' on the lat. arc 13°57' N. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 8-9-16 and 17
	Thence I run
	S. 89°58' W. on a random line bet. secs. 8 and 17
4.00	set temp. 1/4 sec. cor.
79.37	I intersect N. and S. line 32 lks. S. of the cor. of secs. 7-8-17 and 18 which is a sandstone 10×8×7 ins. above ground marked and witnessed as described by the surveyor general
	Thence I run
	S 89°48' E on a true line bet. secs. 8 and 17.
	ascend gently thro scattering cedars and pines
5.25	Top of bench brs. N. and S. descend
9.40	Bottom of gulch drains S. ascend rapidly
34.37	Foot of ledge about 125 ft high brs. N.W. and S.E. also Coal outcrop brs. N.E. and S.W.
37.40	Top of ledge.
39.37	Set a sandstone 24×15×6 ins. 18 ins. in the ground for 1/4 sec. cor. marked 1/4 on N. face from which
	A pine 6 ins. diam. brs. S. 24° E. 34 1/2 lks. dist. marked 1/4 S. 17 B.T.
	No other bearing tree available therefore I raised a mound of stone 2 ft base 1 1/2 ft high N. of cor. Pits impracticable.
41.50	Top of rough stony spur projects about 10 chs N.W. descend
45.87	Bottom of gulch drains N.W. ascend
67.40	Top of ridge descend gently
79.37	The cor. to secs. 8-9-16 and 17.
	Land, mountainous,
	Soil, rocky 4th rate
	Timber, scattering cedars and pines on 79.37 chs.
	Mountainous land on 79.37 chs.
	Aug. 16: at this cor. I set off 13°52'30" N on the decl. arc; and at 12h 00m l.m.t. observe the sun on the meridian, the resulting lat. is 39°31' or within 16" of the proper lat.

Subdivisions of T. 15 S. R. 14 E.

Chains	
	Knowing that a Closing Cor. would be necessary on the S. bdy of sec. 5 for the cor. of secs. 8 and 9 I run
	N. 0° 03' W on a true line bet. secs. 8 and 9
	Descend over smooth descending land thru very scattering cedars and pines.
9.50	Descend over very steep ground to deep canon
28.80	Coal outcrop brs. N.E. and S.W.
30.00	Deep gulch drains westerly Thence ascend over a series of sandstone ledges.
30.90	Coal outcrop brs. S.E. and N.W.
40.00	Set a granite stone 24 x 14 x 6 ins. 18 ins in the ground for 1/4 sec. cor. marked 1/4 on W. face from which
	a cedar 9 ins. diam. brs. S. 22° 30' E. 90 lks. dist. marked 1/4 S. 9 B. T.
	No other trees in limit therefore I raised a mound of stone 2 ft. base 1 1/2 ft high W. of cor. Pits impracticable
51.50	Top of sharp spur projects S. 75° W about 1500 chs. descend gently on N.W. slope of spur over rough sandstone boulders.
80.30	I intersect E and W. line 150 lks. W. of the cor. of secs. 4-5-8 and 9 - This falling exceeds the limits therefore at my point of intersection I set a sandstone 12 x 12 x 8 ins. 8 ins. in the ground for Closing cor. for secs. 8 and 9 marked C.C. and 5 grooves on S. and 4 grooves on E. faces from which
	a pine 12 ins. diam. brs. S. 50° 15' W. 22 lks. dist. marked T. 15 S. R. 14 E. S. 8 B. T.
	No bearing tree available on Sec. 9 therefore I raised a mound of stone 2 ft base 1 1/2 ft high S. of cor. Pits impracticable
	I destroyed all marks pertaining to secs. 8 and 9 on the old cor.
	Land mountainous
	Soil, rocky 4th rate
	Timber, scattering cedars and pines on 80.30 chs.
	Mountainous land on 80.30 chs.

Subdivisions of T. 15 S. R. 14 E

Chains	
	Aug. 17. At 7h 30m a.m. l.m.t. I set off 39°30'30" N. on the lat. arc; 13°38' N. on the decl.; and determine a meridian with the Solar at the Cor. of Secs. 17, 18, 19 and 20
	Thence I run
	N. 0°03' W. on retracement line bet. Secs. 17 and 18
40.00	Fall 35 lks. W. of the 1/4 Sec. Cor.
C 80.00	Intersect E. and W. line 70 lks. W. of the Cor. of Secs. 7, 8, 17 and 18.
	Thence I continue on my line N. 0° 03' W. bet. Secs. 7 and 8
40.00	Fall 105 lks W of the 1/4 Sec. Cor.
C 80.00	Intersect the E. and W. line 140 lks W. of the Cor. of Secs. 5, 6, 7-8 Therefore I find the old line to run N. 0° 27' E instead of N. 0° 03' W
	To test the Solar, Aug. 17-1902 at the Cor. of Secs. 17-18-19 and 20 at 10h 14m by my watch which is 28m fast of l.m.t. I observe Polaris at Eastern Elongation and at 7h 00m a.m. l.m.t. Aug. 18, 1902 I set off to the west 1°34' 30" mag. Var. 15°55' E. and then turn on old line which I find to be N 0°27' E, thus checking my Solar line.

General Description –

This township contains only mountainous land and the soil is nearly all stony and rocky. The soil on top of Patmos Head is fairly rich, capable of producing a fair crop of grass without irrigation. Elevation 9,852 ft. The soil of the remaining portion of the Township can all be classed as 4th rate and has only a scant growth of mountain grasses and is too rough and stony to produce any kind of crops. Pine, cedar and some scattering mahogany and occasionally a patch of dense aspens and pines are found on all parts of the township. There are a number of sandstone ledges over the township but are of no commercial value.

Subdivision of T. 15 S. R. 14 E.

The portion of the township as surveyed by me is poorly watered, there is a small spring in Sec. 10, one on line bet. Secs. 11 and 14 and an alkali sump in Sec. 35.

There are no settlers in this township.

Coal has been found in Secs. 8, 9, 16 and 17 and I have with return the following as Coal lands, E½ of the E½ Sec. 8, N.W.¼ of N.E.¼ Sec. 8 S.W.¼ of S.E.¼ Sec. 8; west ½ of W½ Sec. 9; S.W.¼ Sec. 16; E½ of N.E.¼ Sec. 17; N.E.¼ of S.E.¼ Sec. 17 and N.W.¼ of N.E.¼ Sec. 17

Robert E. L. Collier
U.S. Deputy Surveyor

There being no Notary Public or other officer authorized to administer oaths at the place of survey, therefore in order to save time and expense I administer the preliminary oaths to Peter Thorsen, Hyrum Sidwell and W.W. Bailey myself

Robert E. L. Collier
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 Robert E. Collier, United States Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the survey of the subdivisions of T. 15 S. R. 4 E. of the Salt Lake Base & Meridian, Utah, showing the respective capacities in which they acted:

Harvey Ragan, Chainman.
Lewis Larson, Chainman.
Peter Thorson, Moundman.
, Moundman.
Hyrum Tidwell, Axman.
Asa Bailey, Axman.
Frank M. Cronkhite, Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted Robert E. Collier, United States Deputy Surveyor, in surveying all those parts or portions of the subdivisions of T. 15 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.

Harvey Ragan, Chainman.
Lewis Larson, Chainman.
, Moundman.
Peter Thorson, Moundman.
Hyrum Tidwell, Axman.
Asa Bailey, Axman.
Frank M. Cronkhite, Flagman.

Subscribed and sworn to before me this 18th day of August, 1892.

SEAL

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Notary Public.

6—151

My Commission Expires June 23rd, 1905.

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FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, Robert E. L. Collier United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from Edward H. Anderson United States Surveyor General for The District of Utah, bearing date of the 23d day of June 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 District of Utah, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of The Subdivisional lines of Township 15 South Range 4 East 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 District of Utah and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey; and should any fraud be detected, I will suffer the penalty of perjury under the provisions of an Act of Congress approved August 8, 1846.

Robert E. L. Collier
United States Deputy Surveyor.

Subscribed by said Robert E. L. Collier, and sworn to before me this 5th day of September, 1902.

SEAL

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

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, September 24 1902 189

The foregoing field notes of the survey of The Subdivisional lines of Township 15 South Range 4 East of the Salt Lake Base & Meridian, Utah

executed by Robert E. L. Collier under his contract No. 252, dated June 23 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.