Volume

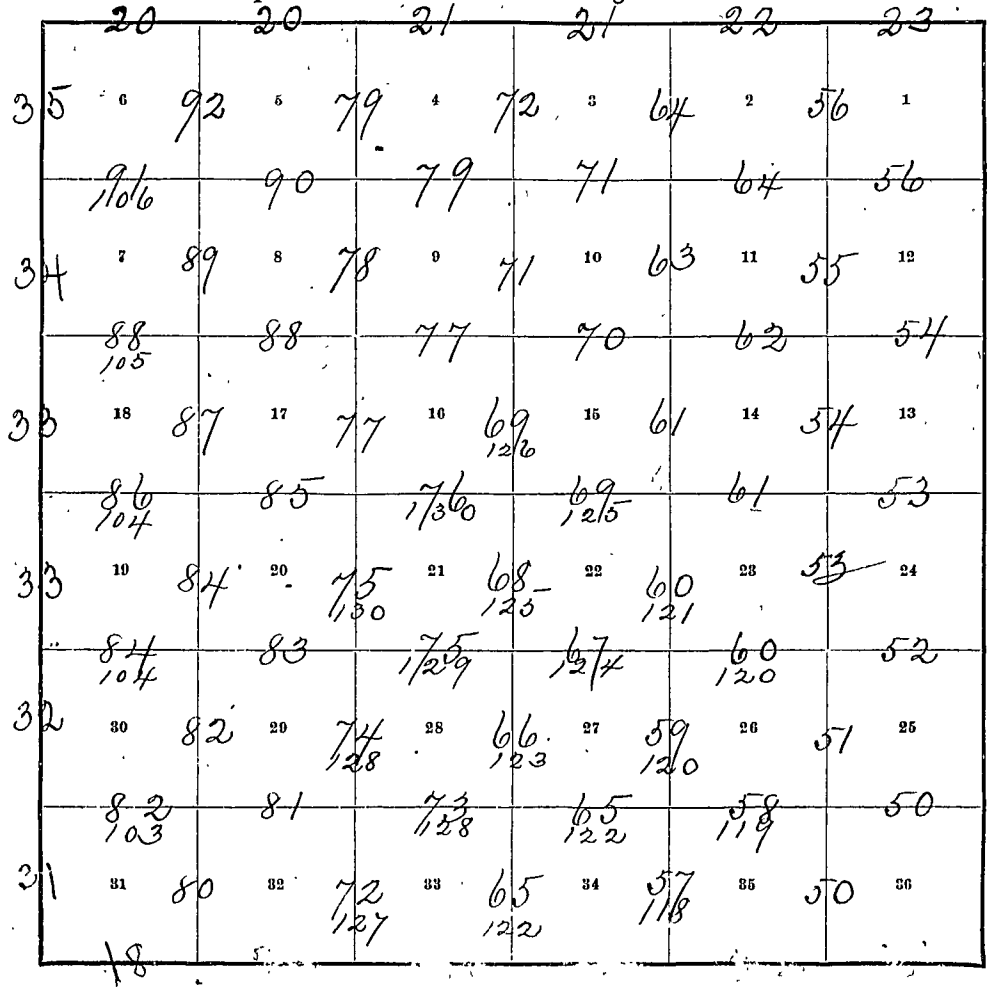
# #

R0244

BOOK A-244

INDEX DIAGRAM.

Township 13 S, *Range* 8 E.



*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-244

INDEX DIAGRAM.

Township 15 S, *Range* 11 E.

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Meanders Page.....

PRELIMINARY OATHS OF ASSISTANTS.

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....., *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

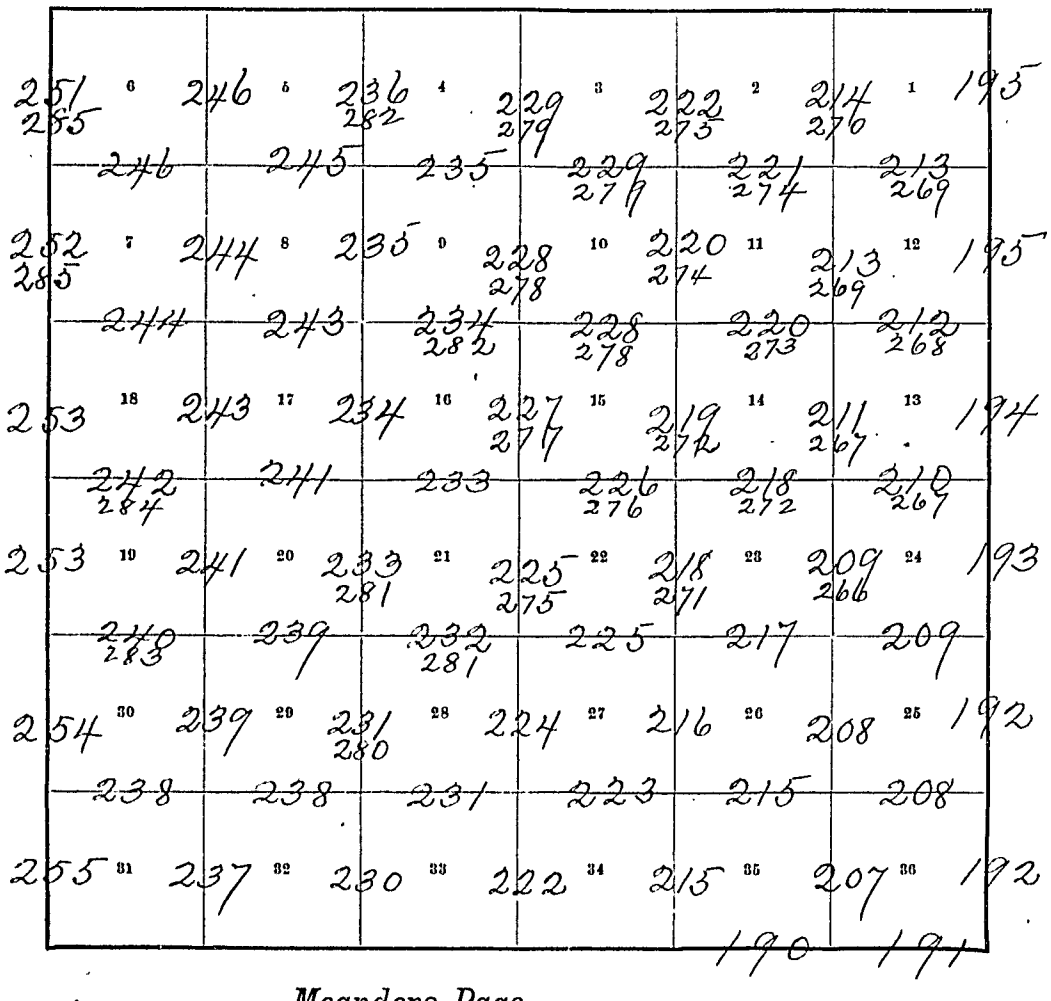
.....

SEAL

BOOK A-244

INDEX DIAGRAM.

Township 16 S, *Range* 11 E.



Meanders Page.....

PRELIMINARY OATHS OF ASSISTANTS.

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_____

_____, *Chainman.*

_____, *Chainman.*

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

SEAL.

_____

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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.

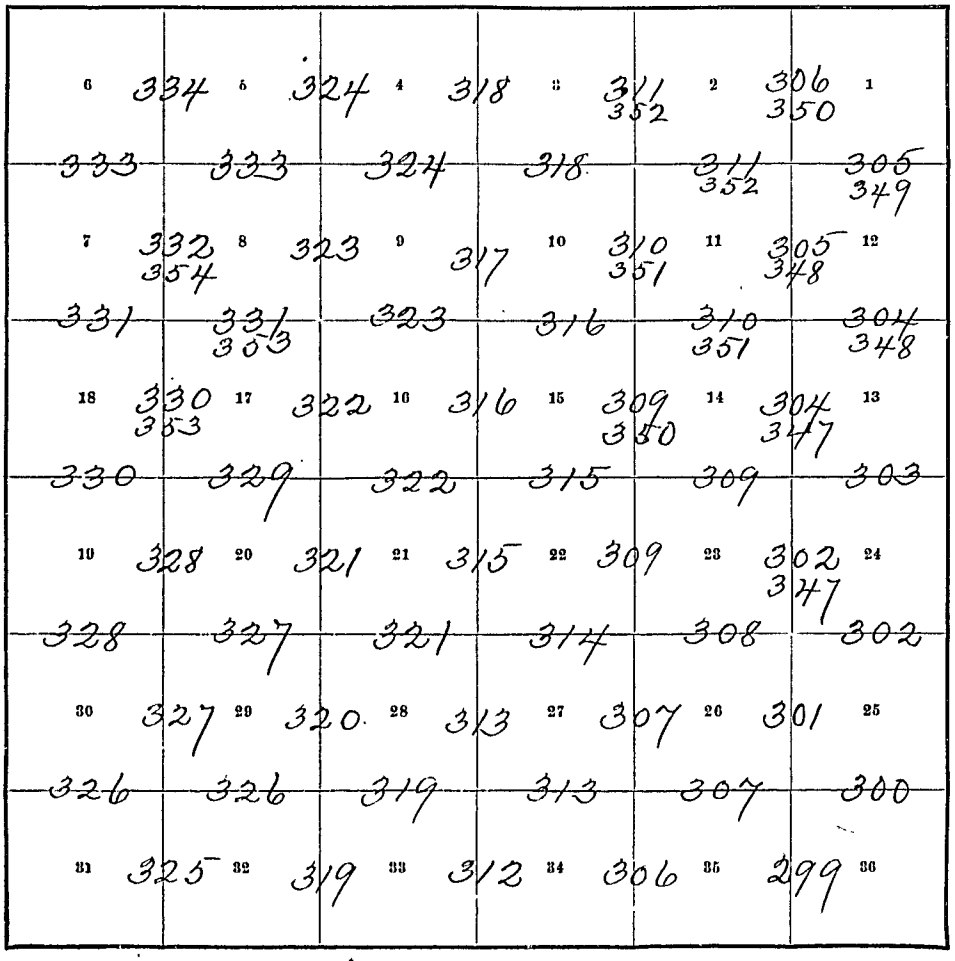
_____

_____

BOOK A-244

INDEX DIAGRAM.

Township 16 S, *Range* 10 E



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

_____

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WE, _____ and _____

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

_____

_____, *Axman.*

_____, *Axman.*

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

SEAL

_____

_____

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

_____, *Flagman.*

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

SEAL

_____

_____

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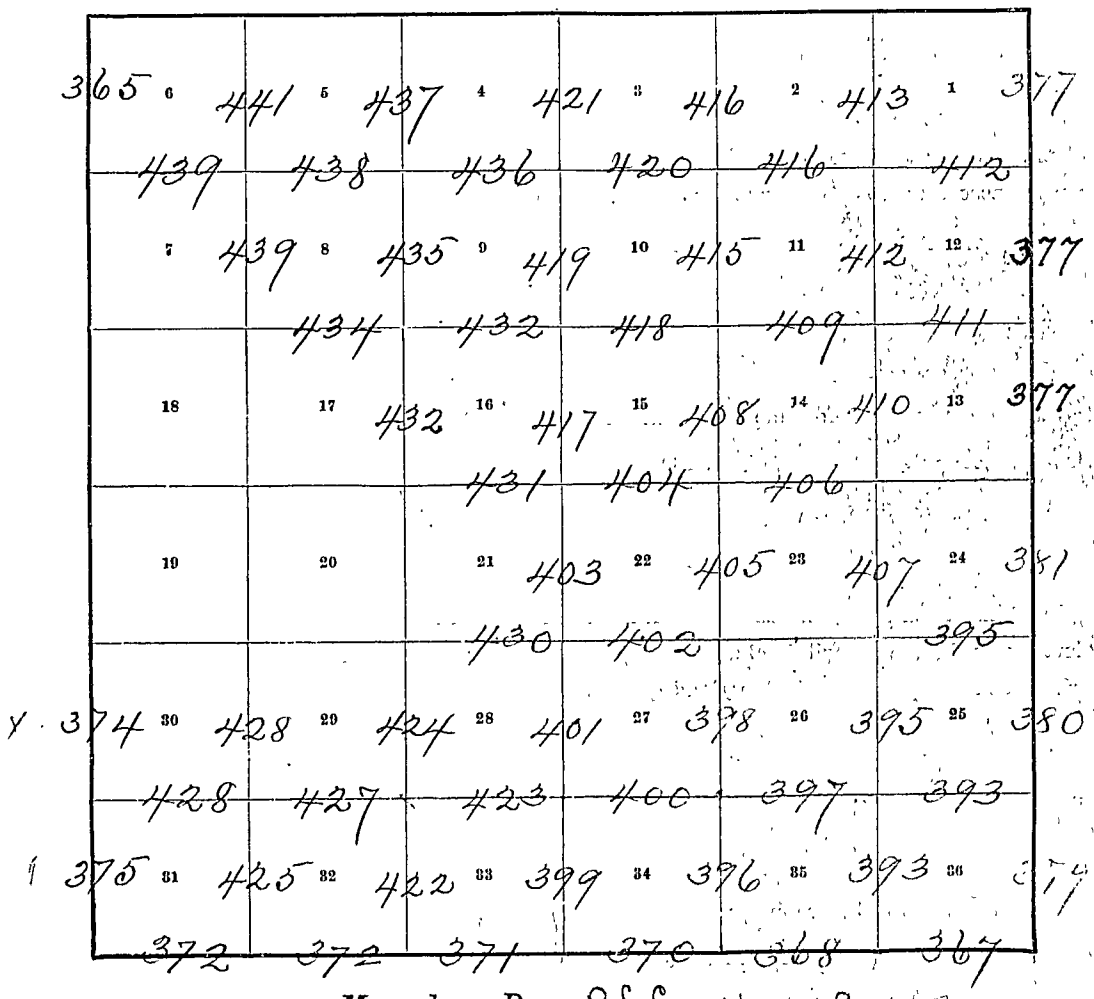
INDEX DIAGRAM.

Township 3 S, *Range* 3 W.



Meanders-Page P. S. C. 443-449.

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.*

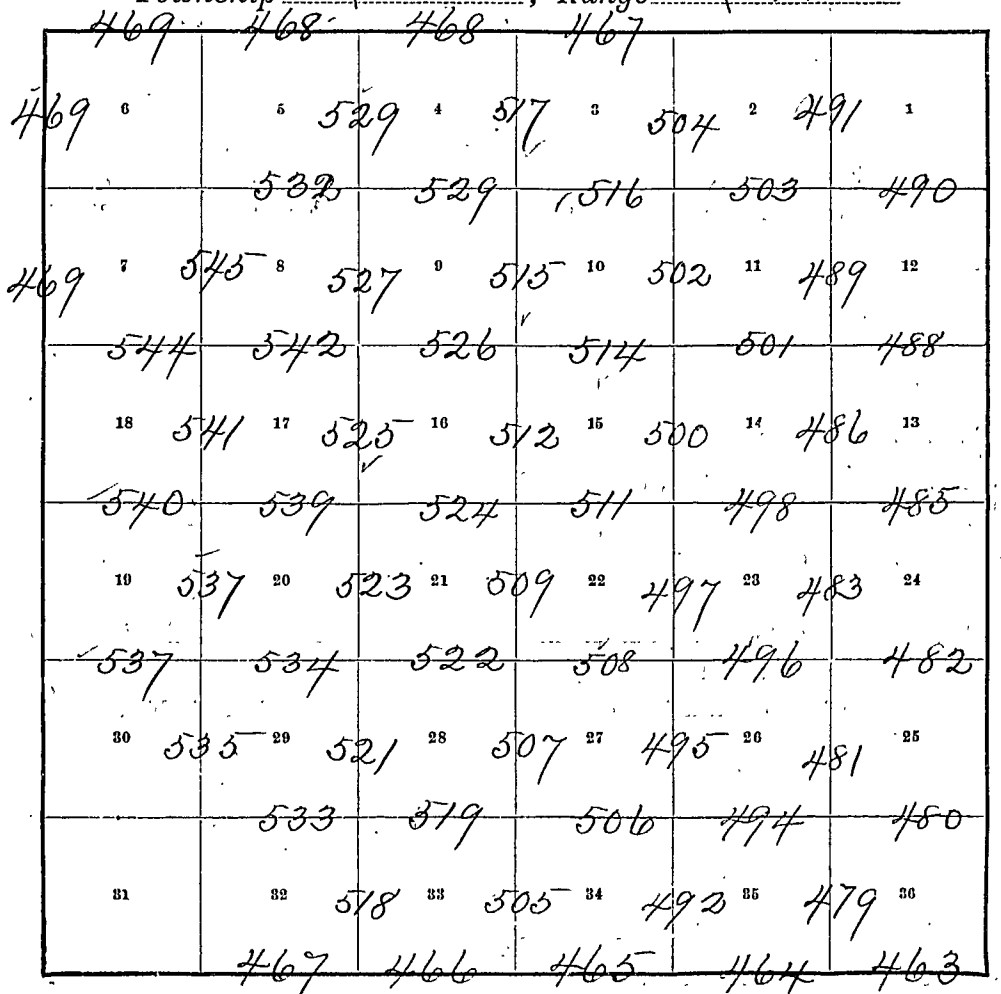
Subscribed and sworn to before me this _____ day of _____, 189

SEAL

BOOK A-244

INDEX DIAGRAM.

Township 4 S, Range 4 W.



~~Meanders Page~~ P.S.C. 547 to 572

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.)

J.M.A.
J.A.G.

BOOK A-244

H.J.B.

FIELD NOTES

OF THE SURVEY OF

Part of the South & the North boundary of Township No 13. South Range No 8 East

Of the Salt Lake Base & Meridian,

Territory of Utah

AS SURVEYED BY

John T. Breckon, U. S. Deputy Surveyor,

under his Contract No. 199, dated March 5th 1895.

Survey commenced August 21st, 1895.

Survey completed August 24th, 1895.

(1270—2,000.)

Names and Duties of Assistants.

Andrew F. Rieper	Chairman
John R. Bennett	Chairman
Parley Musser	Axeman
Harry H. Atkinson	Axeman
Wm H. Lowe	Axeman

BOOK A-244

INDEX DIAGRAM.

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6—151

Preliminary Oaths of Assistants.

WE, Andrew F. Riepen, Parley Musser, S. A. Chivens, and John R. Bennett

do solemnly swear that we will well and faithfully execute the duties of chain carriers; 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 distance to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us in the survey of the N. and S. boundaries and subdivisions of T. 13 S. R. 8 E. Subdivisions of T. 15 S. R. 11 E. E. and S. boundaries and subdivisions of T. 16 S. R. 11 E. Subdivisions of T. 16 S. R. 10 E. Subdivisions of T. 15 S. R's 15 and 16 E. W. S. and E. boundaries and subdivisions T. 16 S. R. 15 E. S. and E. boundaries and subdivisions T. 16 S. R. 16 E. of the Salt Lake Base and Meridian.

Andrew F. Riepen, Chainman.

Parley Musser, Chainman.

S. A. Chivens, Chainman.

John R. Bennett, Chainman.

Subscribed and sworn to before me this 20th day of August, 1895

James Caffrey
Notary Public

WE, Harry H. Atkinson and Wm. H. T. and Parley Musser

do solemnly swear that we will well and truly perform the duties of axemen in the establishment of corners and othe duties, according to instructions given us, and to the best of our skill and ability, in the survey of the N. and S. boundaries and subdivisions T. 13 S. R. 8 E. Subdivisions of T. 15 S. R. 11 E. E. and S. boundaries and subdivisions of T. 16 S. R. 11 E. Subdivisions T. 16 S. R. 10 E. Subdivisions of T. 15 S. R. 15 16 E. W. S. and E. boundaries and subdivisions T. 16 S. R. 15 E. S. and boundaries and subdivisions T. 16 S. R. 16 E. of the Salt Lake Base and Meridian.

Subscribed and sworn to before me this 20th day of August, 1895

Harry H. Atkinson, Axeman.

Wm. H. Trone, Axeman.

Parley Musser axema

James Caffrey
Notary Public

6—151

South boundary of T. 13 S. R. 8 E.

Survey commenced August 21 - 1895. and executed with a Gurley mountain transit with solar attachment. 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. & P. M. hours, with a true meridian determined by observations on Polaris, I proceed as follows;

At the cor. to Secs 5-6-31 & 32 on the S. bdy. of the township. lat. 39° 38' N. long. 111° 05' W. I set off 39° 38' on the lat. arc; 11° 37' W. on the decl. arc; & at 4h 50m 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 5.00 chs. N. of Cor.

At 9h 21m P. M. l. m. t. I observe Polaris at its eastern elongation in accordance with Manual of Instructions, and mark a point on the line thus determined, on a hub driven in the ground 5.00 chs N. of my station.

August 21 - 1895.

August 22 - at 7h 00m A. M. l. m. t. I lay off the Azimuth of Polaris 1° 38' to the west, and mark the true meridian thus determined, by marking a cross on stone set Aug. 21., on which the true meridian falls 0.4 lks. east of the mark determined by the solar.

At 9h 52m A. M. l. m. t. I set off 39° 38' on the lat. arc; 11° 24' W. on the decl. arc; and mark a point on the true meridian determined by the solar, with a cross on stone already set 5 chs. N. of my station. this point bears 0.3 lks. east of the true meridian established by the Polaris observations.

The solar apparatus by P. M. & A. M. observations defines positions for true meridians respectively about 0°.16" east and 0°.21" west of the meridian established by Polaris observations. Therefore I conclude the adjustments of the instrument are satisfactory,

South of U.S. S.R. 8. E. Continued.

Chains.	
	The magnetic bearing of this true meridian at 8h 30m A.M. l.m.t. is N16°20'W. the angle thus determined reduced by the table, page 100, gives the mean mag. decl. 16°15' E.
	From the cor. to Secs 5.6.31 & 32. which is a sandstone 8x12x10 ins. above ground, marked and witnessed as described by the Surveyor General, I run
	West on a random line bet. Secs 6 & 31.
40.00	Set temporary 1/4 Sec. Cor.
81.72	Intersect 42 lks. N. of cor. to Tps 13 & 14 S. Rs 7 & 8 E. which is a sandstone 10x15x8 ins. above ground marked and witnessed as described by the Surveyor General,
	Thence I run
	N89°42' E on a true line bet. Secs 6 & 31.
	Over broken ground, ascend 60 ft. to
1.30	Top of ridge, bears N.W. & S.E. descend 400 ft. to
12.70	Head of gulch, course S.E. ascend.
18.50	Top of ridge 150 ft. high, bears N.W. & S.E. enter brush, descend,
41.72	Bottom of ravine 200 ft. deep, course E. set a sandstone 19x14x5 ins. 13 ins. in the ground, for 1/4 Sec. Cor. marked 1/4 on N. face, and raise a mound of stone 2 ft. base, 1½ ft. high. N. of cor. Pits impracticable. Ascend 50 ft. to
47.50	Top of ridge, bears N.W. & S.E., descend,
50.70	Gulch 50 ft. deep, course S.E. ascend,
54.70	Point of ridge, bears N & S. descend,
59.22	Dry wash 100 lks. wide, 40 ft. deep, Course S.
64.12	Dry wash 50 lks. wide, 20 ft. deep, course S.E.
81.72	The cor. to Secs 5.6.31 & 32.
	Land, broken Mountains.
	Soil, Rocky 4th rate,
	Also timber, dense undergrowth on 63.22 chs,
	Mountainous land, 81.72 chains.
	August 22 - 1895.

August 22: At 4h 25m P.M. l.m.t. I set off 39.43' on the lat. arc; 11°37' for the decl. arc, and determine a true meridian with the solar at the cor. to Tps 12 & 13 S. Rs 8 & 9 E. which is a sandstone 15x6x6 ins.

Shams

above ground, marked and witnessed as described by the Surveyor General. I ran West on a random line along the N. bdy. of T. 13 S. R. 8. E. setting temporary 1/4 Sec. & Sec. Cors at intervals of 40.00 chs and at 81.42 chs intersected 30.93 chs. N. of the cor. to Tps. 12 & 13 S. Rs 7 & 8 E. which is a sandstone 12 x 14 x 8 ins. above ground marked and witnessed as described by the Surveyor General, Set an aspen post 4 ft. long, 4 ins. Sq. with marked stone 24 ins. in the ground, for closing corner to T. 12 & 13 S. R. 8. E. marked C. C. R. 8. E. on E.
T. 12. S. S. 31. on N. &
T. 13. S. S. 6. on S. faces; with 6 grooves on N. E & S faces; slag pits 30 x 24 x 12 ins. crossing on each line N & S. 4 ft. & E. of post 8 ft. dist; raised a mound of earth 5 ft. base, 2½ ft. high. E. of cor.
As this closing exceeds the limit of closing to such an extent as to show material discrepencies either in the east or west boundary of this township, I retrace the west boundary as follows;
From the cor. to Tps. 12 & 13 S. R. 7. E. I run South bet: Secs 1 & 6.
At 40.65 chs. the 1/4 Sec. Cor. on line & at 81.31 chs the cor. to Secs 1. 6. 7 & 12 bears N. 4 lks. dist:
South bet: Secs 7 & 12.
At 40.66 chs. the 1/4 Sec. cor. bears E. 3 lks dist: & at 81.26 chs. the cor. to Secs 7. 12, 13 & 18. on line,
South bet: Secs 13 & 18.
At 40 chs. no trace of old cor. & at 81.05 chs the cor. to Secs 13. 18. 19 & 24 on line,
South bet: Secs 19 & 24.
At 40.53 chs. the 1/4 Sec. Cor. on line. & at 81.05 chs the cor. to Secs 19. 24. 25 & 30 on line.
South bet: Secs 25 & 30.
At 40. chs. no trace of old corner, & at 80. chs. no trace of old cor. to Secs 25. 30. 31 & 36.
South bet: Secs 31 & 36.
At 38.10 chs. intersect at cor. to Tps. 13 & 14 S. Rs 7 & 8 E. as before described.
August - 23 - 1895.

See pages 1-6 Corrections ends-

North boundary of T. 13 S. R. 8 E.

Chains	
	From the closing cor. to T. 12 & 13 S. R. 8 E. I run.
	East on a true line bet. secs 6 & 31.
	On gradual descent over broken ground, enter brush.
22.00	Hollow, drains N. ascend 100 ft. to
41.42	Top of ridge, bears N. & S. Set a sandstone 24 x 12 x 4 ins. 18 ins. in the ground for 1/4 sec. cor. marked 1/4 on N. face and raised a mound of stones 2 ft. base, 1 1/2 ft. high. N. of cor. Pits impracticable, descend.
56.90	Bottom of Gulch 150 ft. below 1/4 sec. cor. course N. E. Ascend.
59.32	Spring branch 2 lks wide 1 ft. deep, flows N.
63.40	Top of ridge, 100 ft. high, bears N. E. & S. W. descend 400 ft. to
81.42	Set a sandstone 18 x 10 x 7 ins. 12 ins. in the ground for cor. to secs 5, 6, 31 & 32, marked with 5 notches on E. and 1 notch on W. edges; and raise a mound of stone 2 ft. base, 1 1/2 ft. high. W. of cor. Pits impracticable.
	Land, broken mountains.
	Soil, Rocky 4th rate.
	No timber, dense undergrowth on 81.42 chs.
	Mountainous land, on 81.42 chains.
	East bet. secs 5 & 32.
	Enter brush, descend 120 ft. to
3.50	Enter bottom.
6.30	Branch of Beaver Creek, 6 lks wide, 1 ft. deep, flows N. E.
9.00	Leave bottom, enter Spruce & Aspens, ascend.
30.00	Point of ridge, 200 ft. high, bears N. W. & S. E. descend 80 ft. to
40.00	Set a sandstone, 16 x 10 x 4 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, 1 1/2 ft. high. N. of cor. Pits impracticable, No bearing trees within limits.
57.00	Mouth of cañon 150 ft. deep, course N. E. ascend.
61.00	Point of ridge, bears N. & S. descend.
64.00	Enter bottom, leave timber.
77.20	Branch of Beaver Creek 6 lks wide 1 ft. deep flows S. E.
80.00	Set a sandstone 16 x 14 x 6 ins. 11 ins. in the ground for cor. to secs 4, 5, 32 & 33, marked with 4 notches on E. & 2 notches on W. edges; and raised a mound of stone 2 ft. base, 1 1/2 ft. high. W. of cor. Pits impracticable
	Land, broken mountains.

Chains.	
	Soil, rocky; 4th rate
	Timber, Scattering Spruce and aspen.
	Dense brush on 80.00 Chs.
	Mountainous Land. 80.00 Chs.
	East bet. Secs. 4 and 33.
	Over rocky bottom of Canon through brush.
4.40	Road. bears N. and S.
8.00	Beaver Creek. 8 Lks. Wide 6 in. deep Course N.
9.20	Creek. 12 Lks. Wide 6 in. deep Course N.
11.00	Enter Spruce. Ascend
19.42	Spring on line. Flows N. W.
20.00	Leave Spruce. enter aspen.
31.00	Top of ridge 200 ft. high. bears N. W. and S. E. descend
38.80	Bottom of Gulch. Course N. W. ascend
40.00	Set a Sand Stone 18 x 10 x 3 in. 12 in. in the ground for 1/4 Sec. Cor. marked 1/4 on N. face; from which An aspen 6 in. diam. bears N. 5° E. 3 Lks. dist. marked 1/4 S. B.T. An aspen. 6 in. diam. bears S. 47° W. 6 Lks. dist. marked 1/4 S. B.T.
49.00	Leave aspen.
54.00	Point of ridge, bears N. and S. enter brush descend 150 ft.
80.00	Set a Quartzite Stone 16 x 12 x 4 in. 11 in. in the ground for Cor. of Secs. 3, 4, 33 and 34 marked with 3 notches on E. and W. edges; and raise a mound of Stone 2 ft. base 1½ ft. high W. of cor. Pit impracticable. Land Broken. Soil. rocky. 4th Rate. Timber, Scattering Spruce and aspen Mountainous Land. 80.00 Chs.
	East bet. Secs. 3 and 34 Enter brush, descend
1.20	Bottom of Canon. 3 ft. below Sec. Cor. Course N. W.

North boundary of T. 13 S. R. 8 E.

Chains ascend.
22.00 Top of ridge 250 ft. high bears S. descend
27.00 Bottom of ravine, course S.W. leave brush ascend.
40.00 Set a Sandstone 16×12×5 ins. 11 ins in the ground 1/4 Sec. Cor. marked 1/4 on N. face; and raise a mound of Stone 2 ft. base 1½ ft. high N. of Cor. Pits impracticable.
46.00 Top of ridge 500 ft. above 1/4 Sec. Cor. bears N. and S. A grove of 3 pines about 1½ ft. in diam. each bears N. 2.50 chs. enter dense brush. descend 800 ft. to
80.00 Set a Sandstone 18×12×8 ins. 12 ins. in the ground for Cor. of Secs. 2. 3. 34 and 35. marked with 2 notches on E. and 4 notches on W. edges. and raise a mound of Stone 2 ft. base 1½ ft. high W. of Cor. Pits impracticable.

Land. broken.
Soil, rocky; 4th. rate.
No timber, dense brush on 61.00 chs.
Mountainous land [illegible].00 chs.

Past bet. Sec. 2 and 35.
enter dense brush, descend 200 ft. to
14.00 Bottom of Cañon, course S.E. enter aspen
15.50 Wash 30 lks. wide 6 ft. deep, course S.E.
18.00 Leave aspen ascend
25. In gully. Course S.
37.00 Sandstone bluff 40 ft. high bears N. 1.00 ch.
40.00 Set a Sandstone 18×10×6 ins. 12 ins in the ground for 1/4 Sec. Cor. marked 1/4 on N. face; and raise a mound of Stone 2 ft. base 1½ ft. high N. of Cor. Pits impracticable.
49.00 Top of ridge. 600 ft. high, bears N.W. and S.E. descend.
59.00 Hollow, drains N. ascend
62.40 Spur of ridge. bears N.E. descend 100 ft. to
80.00 Set a Sandstone, 20×12×7 ins. 15 ins. in the ground for Cor of Sec. 1. 2. 35 and 36, mark with 1 notch on E. and 5 notches on W. edges;

North boundary of T. 13 S. R. 8. E.
Continued.

10 Chains.	and raise a mound of Stone 2 ft. base 1 1/2 ft. high W. of Cor. Pits impracticable Land broken Soil, rocky; 4th rate Timber, scattering aspen; dense brush on 80.00 chs. Mountainous Land 80.00 chs.
	East bet. Secs. 1 and 36 enter brush, descend.
4.00	enter Canon, 200 ft. below Sec. Cor., Course S. E.
4.34	Dry Wash, 20 lks. wide, 5 ft. deep Course S. E.
5.62	Cattle Trail, bears N. W. and S. E.
4.00	Leave Canon. ascend
25.00	Spur of ridge, bears S. descend.
32.00	Head of Gulch, Course S. ascend. 400 lks.
40.00	Set a Sandstone 16 x 12 x 6 ins. 12 ins in the ground for 1/4 Sec. Cor. marked 1/4 on N. face and raise a mound of Stone 2 ft. base 1 1/2 ft. high N. of Cor. Pits impracticable
41.00	Top of ridge 50 ft. above 1/4 Sec. Cor. bears N. W. and S. E. descend 500 lks.
63.20	Bottom of Canon, Course S. E. ascend
80.00	The Cor. of Tps. 12 and 13 S. Rs. 8 and 9 E. Land broken. Soil, rocky; 4th rate No timber, dense brush on 80 chs. Mountainous Land, 80.00 chs. August 7th 1895.

General Description

For General description See Subdivision of T. 13 S. R. 8 E.

John T. Breckon.

U. S. Deputy Surveyor.

Boundaries of T13.S. R8.E.

Latitudes, Departures and closing errors.

Line designated	True bearing	Distance	Latitudes N	Latitudes S	Departures E	Departures W.
West-boundary	South	480.03		480.03		
South boundary	N89°42'E	81.72	.42		81.72	
East-	East	400.00			400.00	
East-boundary	North	480.00	480.00			
North boundary	West-	481.42				481.42
Convergency						.60
			480.42	480.03	481.72	482.02
	Error in Lat:		480.03			481.72
			0.39			0.30
						Error in dep.

John T. Brecken
U.S. Deputy Surveyor

Volume
#
R0244

List of Names.

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

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

.....

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

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.....

.....

Final Oath of Assistants:

We hereby certify that we assisted .....

....., U. S. Deputy Surveyor, in surveying all those parts or portions of the .....

.....

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.....Meridian, ..., as 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 U. S. Surveyor General for .....

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Subscribed and sworn to before me this .....
day of ....., 18 .

SEAL

.....

.....

6—151

Final Oath of U. S. Deputy Surveyor.

I, _____, U. S. Deputy Surveyor, do solemnly swear that, in pursuance of instructions received from _____, U. S. Surveyor General for _____, bearing date of the _____ day of _____, 18 , I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the U. S. Surveyor General for _____, the surveying manual, and the laws of the United States, surveyed all those parts or portions of _____

_____

_____

_____

_____

_____ Meridian, in the _____, as are represented in the foregoing field notes as having been surveyed by me, and under my directions; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the surveying manual, printed instructions, the special written instructions of the U. S. Surveyor General for _____ and in the specific manner described in the field notes, and that the foregoing are the true 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.

_____

U. S. Deputy Surveyor.

Subscribed and sworn to before me this _____ day of _____, 18 .

SEAL

_____

_____

Approval.

Office of the U. S. Surveyor General,

Salt Lake City, Utah, June 30th, 1896.

The foregoing field notes of the survey of Part of the South and the North boundary of Township No. 13 South, Range No. 8 East of the Salt Lake Base & Meridian

_____

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_____

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_____

_____ executed by

_____

John T. Preston

under his Contract No. 199, dated March 5th, 1895, having been critically examined, the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

George W. Snow

U. S. 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.

_____

U. S. Surveyor General.

6—151

(4—679.)

No. 3.18.

Corrective

FIELD NOTES

OF THE SURVEY OF

West Boundary of T. 13 S., R. 7 E.

Of the Salt Lake Base and Meridian,

State of Utah

AS SURVEYED BY

John L. Buchanan, U. S. Deputy Surveyor,

under his Contract No. 19, dated March 5th 1895.

Instructions dated May 1st 1896

Survey commenced June 22nd, 1896.

Survey completed June 23rd, 1896.

(12/13—2,000.)

Names and Duties of Assistants.

John R. Bennett Chainman

G. R. E. Carleton Chainman

BOOK A-244

INDEX DIAGRAM.

Township 13 S. *Range* 8 E.

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Meanders Page.....

BOOK A-244

Preliminary Oaths of Assistants.

WE, John R. Bennett. and
G. R. & C. Carlston,

do solemnly swear that we will well and faithfully execute the duties of chain carriers; 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 distance to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us in the survey of the West Boundary of T. 13 S. R. 8 E.

John R Bennett, Chainman.
G. R. & C. Carlston, Chainman.
....., Chainman.
....., Chainman.

Subscribed and sworn to before me this 22nd day of June, 1896.

John T. Brecken
U. S. Deputy Surveyor

WE, ...

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

Subscribed and sworn to before me this ..... day of ....., 18 .

....., Axeman.
....., Axeman.

Resurvey of the W. bdy. of T13.S.R.8 E.

Survey commenced June 22nd 1896. and executed with a Gurley Mountain transit with solar attachment, same as used in subdivision of this township.

Pursuant to instructions dated May 1st 1896. I resurvey this line as follows;
From the corner to Sps 13 & 14 S. Rs 7 & 8 E. which is a Sandstone 10 x 15 x 8 ins. above ground, marked and witnessed as described by the Surveyor General, I run North Between Secs 31 & 36.

Enter brush, ascend,

1.20 Sandstone ledge 40 ft: high.
1.40 Top of ledge. ascend.
5.00 Sandstone ledge 40 ft: high
5.20 Top of ledge. ascend gradually.
8.20 Top of ridge. 150 ft: above Sp. corn. bears S & E. N.W. descend.
20.00 Head of ravine, course S. E. ascend
32.00 Top of ridge of mountain 800 ft: above Sp. cor. bears E & N. W. descend.
41.00 To trace of old corner, Set a Sandstone 16 x 12 x 7 ins. 11 ins. in the ground for 1/4 Sec. Cor. marked 1/4 on W. face and raise a mound of stone 2 ft: base, 1½ ft: high. W. of Cor. Pits impracticable.
42.50 Head of ravine, course E. N. E.
55.00 Top of ridge about 300 ft: above ravine. bears N. E & S. W. descend.
67.20 Enter Aspen and Pine timber.
70.80 Gulch. course N. E.
72.00 Leave timber. ascend.
78.00 Point of Ridge, descends east; descend 60 ft: E
80.00 Set a Sandstone 24 x 18 x 5 ins. 18 ins. in the ground, for Cor. to Secs 25. 30. 31 & 36. marked 1 notch on S. & W. notches on N. edges; and raise a mound of stone 2 ft: base 1½ ft: high. W. of Cor. Pits

Resurvey of W. bdy. of T. 13. S. R. 8. E.

chains.	
	impracticable. No trace of old corner.
	Land. broken mountains.
	Soil. Rocky and Gravelly, 3rd rate.
	Timber, Aspen and Pine, Dense under-growth on 80. chains.
	Mountainous land on 80. chains.
	North between Secs 25 and 30.
	Descend in oak brush.
4.50	Bottom of Cañon, 100 ft. below Sec. Cor. S. E.
6.50	Leave Cañon, ascend 100 ft. to
19.00	Point of ridge falls West: descend 80 ft. to
22.80	Gulch. course S.W. ascend along East slope on West side of gulch.
40.00	Set a sandstone 18x10x6 ins. 12 ins. in the ground for 1/4 Sec. Cor. Marked 1/4 on W. face; and raise a mound of stones 2 ft. base 1½ high. W. of cor. Pits impracticable. The old cor. to Secs 19. 24. 25 and 30. bears North 4.40 chains. I destroy all traces of the same.
53.00	Same gulch. course S. E. ascend steep slope in dense aspen brakes.
64.00	Top of ridge 600 ft. above gulch bears E & W. descend steep slope.
71.20	Enter Aspen and Pine timber.
75.70	Gulch, 800 ft. below top of ridge. course N.E. Ascend, leave timber.
80.00	Set a sandstone 18x12x5 ins. 12 ins. in the ground for cor. to Secs 19. 24. 25 and 30. marked 2 notches on S. and 4 notches on N. edges; and raise a mound stone 2 ft. base, 1½ ft. high, W. of cor. Pits impracticable. The old 1/4 sec. corner bears N 4.92 chains. I destroy all trace of same.
	Land. broken Mountains.
	Soil. Gravelly and Rocky 3rd rate.
	Timber. Aspen and Spruce, dense u on 80. chains.
	Mountainous Land on 80. chains.

Resurvey of N. bdy of T. 13 S. R. 8 E.

Chains	
	June 22, 1896. At 4:30 P.M. t. m. t. S. set off 39°.40' N. on the lat. arc; 23°.27' W. on the decl. arc; and determine a line meridian at the cor. to Secs 19.24.25 & 30.
	North between Secs 19 & 24.
	Ascend in dense undergrowth.
3.20	Ridge 50 ft. above Sec. Cor. bears N E & S W.
	descend in scattering Spruce.
17.80	Bottom of Cañon 900 ft. deep.
17.90	Creek 5 lks wide. 6 ins. deep, flows S 85° E.
19.10	Cañon road, S 85° E.
19.60	Leave Spruce, ascend steep sides of mountain
30.30	Cross point of ridge, bears S W. descend 300 ft.
38.20	Head of ravine, course S W. ascend 150 ft.
40.00	Set a sandstone 16 x 12 x 8 ins. 11 ins in the ground for 1/4 Sec. Cor. marked 1/4 on W. face; and raise a mound of stones 2 ft. base, 1½ ft. high, W. of Cor. Pits impracticable. The old Cor. to Secs 13.18.19 & 24. bears North 5.45 chs. I destroy all traces of the same.
55.00	Top of high ridge bears N W & S E. descend
73.00	Head of gulch 800 ft. below top of ridge, course N E. ascend,
80.00	Set a sandstone 20 x 10 x 8 ins. 15 ins. in the ground for cor. to Secs 13.18.19 & 24. marked 3 notches on N & S. edges; and raise a mound of stone 2 ft. base, 1½ ft. high. W. of cor. Pits impracticable. The old 1/4 Sec. cor. bet. Secs 13 & 18 bears N 6.00 chs, destroyed same.
	Land, broken mountains.
	Soil. Gravelly & Rocky 3rd rate.
	Timber, Spruce, Alder aspen & oak brush on 80 chs.
	Mountainous land on 80. chains.
	June 22nd 1896.

	North between Secs 13 & 18.
	Enter dense undergrowth, ascend 300 ft. to
9.00	Top of ridge, bears N 80° E. descend 300 ft. to
26.00	Head of Ravine, course E. ascend 500 ft. to
40.00	Set a sandstone 16 x 10 x 4 ins. 11 ins. in the ground, for 1/4 Sec. Cor. marked 1/4 on W. face;

4

Resurvey of W. bdy. of T. 13 S. R. 8 E.

Chains	
	and raised a mound of stone 2 ft. base, 1½ ft. high. Wit. to cor. Pits impracticable. The old cor. to Secs 7. 12. 13 & 18. bears North 6.50 chains. I destroy all trace of same.
44.00	Top of ridge, bears E & W. descend 800 ft. to
70.50	Enter bottom & willows, leave aspen brush,
73.10	Branch of Beaver Creek, 8 lks wide. 6 ins. deep. flows N. E.
73.60	Road. bears N E & S W. leave willows & bottom ascend in aspen timber.
80.00	Set a sandstone 24 x 15 x 6 ins. 18 ins. in the ground for cor. to Secs 7. 12. 13 & 18. marked 4 notches on S & 2 notches on N. edges: from which An aspen 16 ins. in diam. bears N. 74° E 21 lks dist: marked T. 13. S. R. 8. E. S. 7. B.T. An aspen 12 ins. in diam. bears S 2° 00' E 17 lks dist: marked T. 13. S. R. 8. E. S. 18. B.T. An aspen 16 ins. in diam. bears S 16° W 8 lks. dist: marked T. 13 S. R. 7. E. S. 13. B. T. An aspen 12 ins. in diam. bears S 3° W 22 lks. dist: marked T. 13. S. R. 7. E. S. 12. B.T. Land, broken, Soil. Gravelly & Rocky, 3rd rate. Timber. Aspen. Dense undergrowth on 80. chains. Mountainous land on 80. chains.
	North between Secs 7 & 12.
	Enter Aspen timber & brush, descend 80 ft. to
6.00	Enter flat: leave aspens. & enter willows.
7.10	The old ¼ Sec. cor. between Secs 7 & 12. bears E. 3 lks dist: I destroy all trace of same,
7.70	Branch of Beaver Creek, 10 lks wide, 6 ins. deep. flows N. E.
8.80	Leave willows. enter aspen brush. ascend,
12.00	Point of ridge, bears E. descend 80 ft. to
16.00	Enter flat: leave aspen brush & enter willows.
18.50	Leave willows, enter aspen brush. ascend,
40.00	Set a sandstone 18 x 12 x 8 ins. 12 ins. in

Resurvey of the N. bdy. of T. 13 S., R. 8 W.

Chains	
	the ground for 1/4 Sec. Cor. marked 1/4 on W. face; and raise a mound of stone 2 ft. base 1½ ft. high. N. of cor. Pits impracticable.
47.76	The old cor. to Secs 1, 6, 7 & 12 bears N. 4 lks dist: I destroy all traces of same.
68.00	Top of ridge, bears N 81° E & S 81° W. about 1000 ft. above Sec. Cor.. descend 400 ft. to
77.30	Branch of Beaver Creek. 5 lks wide. 3 ins. deep. flows East. ascend 400 ft. to
80.00	Set a sandstone 18 x 12 x 5 ins. 12 ins. in the ground for cor. to Secs. 1, 6, 7 & 12. marked 5 notches on E. and 1 notch on N. edges; and raised a mound of stone 2 ft. base 1½ ft. high. N. of cor. Pits impracticable,
	Land, broken,
	Soil. Gravelly & Rocky. 3rd rate,
	Timber. Aspens. Dense undergrowth on 80. chains,
	Mountainous land on 80 chains,
	North between Secs 1 & 6.
	Ascend in dense undergrowth.
4.00	Top of ridge, 150 ft. above Sec. Cor. bears N. E. & S. W.
8.42	The old 1/4 Sec. Cor. bet. Secs 1 & 6, on line. I destroy all traces of same.
11.00	Enter pines & Spruce timber, descend 1000 ft. to
	Branch of Beaver Creek 8 lks wide 4 ins. deep flows N. E. bears pines & Spruce. enter Aspens, ascend
40.00	Set a sandstone 14 x 10 x 6 ins. 10 ins. in the ground for 1/4 Sec. Cor. marked 1/4 on W. face & raise a mound of stone 2 ft. base, 1½ ft. high. N. of cor. Pits impracticable - No bearing trees within limits -
49.10	Intersect cor. to Tps 12 & 13 S. Rs 7 & 8 E. on line, which is a sandstone 12 x 14 x 8 ins. above ground, marked and witnessed as described by the Surveyor General. I destroyed

Resurvey of the W. bdy. of T.13.S. R.8.E.

Chains all marks relating to R.8.E.

5.10 Top of ridge 500 ft. above 1/4 Sec. Cor. descend leave timber.

80.03 Intersect the Closing Corner set by me in my survey of the N. bdy of this township, which bears S. 9.07 chs. from the 1/4 Sec. cor. on East side Sec. 36. T.12.S. R.7.E. and is an aspen stake 4x4x3 ft. long. above ground marked and witnessed as described by the Surveyor General,

Land, broken,

Soil, Gravelly and Rocky 3rd rate,

Timber, Pine, Spruce and Aspen,

Dense undergrowth on 80.03 chains,

Mountainous land on 80.03 chains.

June 23rd 1896.

General Description.

For General Description see subdivision of this township.

John T. [illegible]
U. S. Deputy Surveyor

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List of Names.

A list of the names of the individuals employed by John T. Brockon, U. S. Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the survey of the West Boundary of T. 13 S. R. 8 E.

of the Salt Lake Base & Meridian, in Utah, showing the respective capacities in which they acted:

John R. Bennett Chainman
G. R. E. Carleton Chainman

Final Oath of Assistants:

We hereby certify that we assisted John T. Brockon, U. S. Deputy Surveyor, in surveying all those parts or portions of the West Boundary of T. 13 S. R. 8 E.

of the Salt Lake Base & Meridian, Utah, as 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 U. S. Surveyor General for Utah.

John R. Bennett Chainman
G. R. E. Carleton Chainman

Subscribed and sworn to before me this 25th day of June, 1896.

SEAL

John T. Brockon
U. S. Deputy Surveyor

6—151

BOOK A-244

Final Oath of U. S. Deputy Surveyor.

I, John T. Breckon, U. S. Deputy Surveyor, do solemnly swear that, in pursuance of instructions received from George W. Snow, U. S. Surveyor General for Utah, bearing date of the 1st day of May, 1896, I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the U. S. Surveyor General for Utah, the surveying manual, and the laws of the United States, re-surveyed all those parts or portions of the West Boundary of T. 13 S. R. 8 E. of the Salt Lake Base and Meridian, in the State of Utah, as are represented in the foregoing field notes as having been re-surveyed by me, and under my directions; and I do further solemnly swear that all the corners of said re-survey have been established and perpetuated in strict accordance with the surveying manual, printed instructions, the special written instructions of the U. S. Surveyor General for Utah and in the specific manner described in the field notes, and that the foregoing are the true field notes of such re-survey; and should any fraud be detected, I will suffer the penalty of perjury under the provisions of an Act of Congress approved August 8, 1846.

John T. Breckon
U. S. Deputy Surveyor.

Subscribed and sworn to before me this 30th day of June, 1896

SEAL

George W. Snow
U. S. Surveyor General

Approval.

Office of the U. S. Surveyor General,

Salt Lake City, Utah, June 30th, 1896

The foregoing field notes of the re-survey of the West Boundary of Tp 13 S R 8 E of the Salt Lake Base & Meridian Utah

executed by John T. Breckon under his Contract No. 199, dated March 5th & instructions of May 1st 1896, 1895, having been critically examined, the necessary corrections and explanations made, the said field notes, and the re-surveys they describe, are hereby approved.

George W. Snow
U. S. 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.

U. S. Surveyor General.

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(4—679.)

BOOK A-244

6.3.13.

FIELD NOTES

OF THE SURVEY OF

Subdivisions of
Township No. 13. South. Range
No. 8. East

Of the Salt Lake Base & Meridian,

Territory of Utah

AS SURVEYED BY

John T. Breckon, U. S. Deputy Surveyor,

under his Contract No. 199, dated March 5th 1895.

Survey commenced August 24th, 1895.

Survey completed September 5th, 1895.

(12503—2,000.)

H. 6 [illegible]

Names an u ics o ssis

Andrew F. Riepen Chairman

John R. Bennett Chairman

Parley Musser Axeman

Harry H. Atkinson Axeman

Wm H Trone Axeman

6—151

BOOK A-244

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Meanders Page.....

We, _____

_____

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do solemnly swear that we will well and faithfully execute the duties of chain carriers; 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 distance 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 _____

_____

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_____

_____

_____, *Chainman.*

_____, *Chainman.*

_____, *Chainman.*

_____, *Chainman.*

Subscribed and sworn to before me this _____ day of _____, 18 .

_____

_____

We, _____

_____

_____

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

_____

_____

_____

_____

Subscribed and sworn to before me this _____ day of _____, 18 .

_____, *Axeman.*

_____, *Axeman.*

_____

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_____

Subdivision of T. 13 S. R. 8 E.

Survey commenced Aug 24th 1895, & executed with a Gurley Mountain Transit with Solar attachment as heretofore described.

I examine the adjustments of the transit, & correct the level & collimation errors; then to test the Solar apparatus by comparing its indications resulting from Solar observations with a true meridian determined by observations on Polaris, I proceed as follows:-

At the cor. of Tp. 13 & 14 S. Rs. 8 & 9 E., latitude 39°.38'N, longitude 111°.01 W, I set off 39°.38' on the lat. arc., 10°.56'N on the decl. arc., & at 4h 23m P.M. l.m.t., determined 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.

At 9h 13m P.M. l.m.t., I observe Polaris at eastern elongation, in accordance with Manual of Instructions and mark a point in the line thus determined on a ~~hub driven~~ in the ground 5 chs N of my station

Aug. 24. 1895.

August 25. At 4 A.M. l.m.t., I lay off the azimuth of Polaris, 1°38', to the West, and mark the True Meridian thus determined, by cutting a small groove in the stone set August 25 on which the true meridian falls 0.4 ins east of the mark determined by the Solar.

At 8h 16m l.m.t., I set off 39°.38' on the lat. arc, 10°.43'N on the decl. arc., & mark a point in the true meridian determined with the Solar, by a cross on the stone already set 5 chs. N. of my station; this mark falls 0.3 ins. East of the true meridian established by the Polaris observation.

The Solar apparatus, by p.m. & a.m. observations, defines positions for true meridians, respectively about 0'.21" W. & 0'.16" E. of the meridian established by the Polaris observations; therefore I conclude that the adjustments of the instruments are satisfactory.

The magnetic bearing of the true meridian, at 8.30 A.M., is N 16°.14' W; the angle thus determined, reduced by the table, page, 100, gives the mean mag. decl 16°.14' E.

From the Tp. cor. already described, I run

Chains.	North, on the E. bdy of Sec. 36; and, at 39.98 chs, intersect the 1/4 Sec. cor, & at 79.97 ch. intersect the cor. of Secs. 25. 30. 31 & 36; therefore, the line bears North. From the Tp. cor. I run West on the S. bdy. of Sec. 36; at 39.98 chs., intersect the 1/4 Sec. cor, & at 79.96 intersect the cor. of Secs. 1. 2. 35 & 36 on the S. bdy. of the Tp. Consequently the S. bdy. of the Sec. 36, bears West. Therefore, the bearings are as stated by the Surveyor General, and my chaining practically agrees with the field notes of the original Survey.
	I commence at the cor. of Secs 1. 2. 35 & 36., on the S. bdy. of the Tp. which is a Sandstone, 5×15×4 ins. above ground, marked & witnessed as described by the Surveyor General. Thence I run N. 0°01' W. bet. Secs. 35 & 36. In a gradual ascent over broken ground.
38.00	Outer Cedars, ascend ridge
40.00	Set a Sandstone 16×8×6 ins. 11 ins. in the ground for 1/4 Sec. cor, marked 1/4 on W. face: dig pits 18×18×12 ins N. & S. of Stone 3 ft. dist., & raise a mound of earth, 3 1/2 ft. base, 1 1/2 ft. high, W. of cor.
41.00	Top of ridge, 100 ft. above Sec. Cor. descend
47.00	Leave Cedars
47.80	Road, bears N. W. & S. E.
64.00	Dry wash, 1 ch. wide, 8 ft. deep, Course S E. ascend
75.50	Outer Cedars
80.00	Set a Sandstone, 18×12×8 ins. 12 ins. in the ground, for cor. of Secs. 25. 26. 35 & 36, marked with 1 notch on S & E. edges and raise a mound of Stone, 2 ft. base, 1 1/2 ft. high, W. of Cor. Pits impracticable. Land, broken. Soil, rocky, 4th rate. Timber, Scattering Cedars. Mountainous land, 80.00 chs.
	East on a random line bet. Secs. 25 & 36.
40.00	Set temp. 1/4 Sec. Cor.
79.78	Intersect E. bdy. of Tp. 12 lks. N. of cor. of Secs. 25. 30. 31 & 36, which is a Sandstone 5×15×11 ins. above ground, marked and

Subdivision of T. 13 S. R. 8 E. - Continued.

Chains	
	witnessed as described by the Surveyor General
	Thence I run
	N. 89° 55' W. on a true line Bet. Secs. 25 & 26.
	Descend through Scattering cedars
4.00	Ascend
11.25	Top of ridge 30 ft. above Sec. Cor. bears N.W. & S.E. descend
39.59	Set a Sandstone 18 x 12 x 4 ins. 12 ins. in the ground, for 1/4 Sec. Cor. marked 1/4 on N. face; and raise a mound of Stone 2 ft. face 1½ ft. high N. of Cor. Pits impracticable. ascend.
49.20	Top of ridge, 40 ft. above 1/4 Sec. Cor. bears N. & S. descend
58.50	Bottom of Gulch, 60 ft. deep, Course S. E. ascend.
62.30	Top of ridge, bears N.W. & S.E. descend
66.90	Bottom of Gulch, Course S.E. ascend 100 ft. to
76.50	Top of ridge, bears N.W. & S.E. descend 40 ft. to
79.75	The Cor. of Secs. 25. 26. 35 & 36.
	Land, broken
	Soil, rocky, & Stony.
	Timber, Scattering Cedars.
	Mountainous Land. 79.75 Chs.

	N 0° 01' W. Bet. Secs. 25 & 26
	Ascend through Scattering Cedars
9.00	Top of ridge, 40 ft. above Sec. Cor. bears N.W. and S.E. descend
15.00	Bottom of Gulch, 60 ft. deep, Course S.E.
17.50	Leave Gulch, ascend.
18.60	Top of cliff, 45 ft. high, bears N.W. and S.E. descend
22.00	Head of Gulch, 45 ft. deep, Course S.E. ascend.
32.00	Top of ridge, bears N.W. and S.E. descend
40.00	Set a Sandstone 18 x 12 x 5 ins. 12 ins. in the Ground, for 1/4 Sec. Cor., marked 1/4 on W. face; and raise a mound of Stone 2 ft. face, 1½ ft. high, W. of Cor.. Pits impracticable.
49.00	Bottom of Gulch, 100 ft. deep, 60 ft. below 1/4 Sec. Cor., Course S.W. ascend.
50.00	Set a Sandstone, 18 x 12 x 5 ins. 12 ins. in the Ground, for Cor. of Secs. 23. 24. 25 & 26, marked with 2 notches on S. and 1 notch

Chains	on E. edges; and raise a mound of Stone, 2 ft. base, 1½ ft. high, N. of Cor. Pits impracticable: Land: broken Soil, rocky, 4th rate Timber, Scattering Cedar. Mountainous land, 50.00 chs.
	S. 59° 55' E. on a random line bet. Secs 24 and 25
40.00	Set temp. ¼ Sec. cor.
79.54	Intersect E. bdy of the Tp. 31th S. of cor. of Secs. 19. 24. 25. and 30. which is a Sandstone 5×10×4 ins. above ground, marked and witnessed as described by the Surveyor General. Thence I run N. 59° 56' W. on a true line bet. Secs. 24 and 25. Ascend through Scattering Cedars.
5.50	Top of ridge, 50 ft. above Sec. Cor. enter flat.
23.50	Descend
39.92	Set a Sandstone 16×10×4 ins. 11 ins. in the ground for ¼ Sec. Cor. marked ¼ on N. face; and raise a mound of Stone 2 ft. base 1½ ft. high, N. of Cor. Pits impracticable:
46.00	Bottom of Cañon, 600 ft. below ¼ Sec. cor. Course S. E. ascend 700 ft. to
74.00	Top of ridge, bears N. W. and S. E. descend 100 ft. to
79.54	The Cor. of Secs. 23. 24. 25 and 26. Land, broken Soil, rocky, 4th rate Timber, Scattering Cedars. Mountainous Land; 79.54 chs.
	N. 0° 01' W. bet. Secs. 23 and 24 Ascend rocky bluff. 150 ft. to
3.50	Top of ridge, bears N. W. & S. E. descend through Cedars
35.00	Bottom of Cañon, 800 ft. dup, Course S. E. ascend

Subdivision of T. 13 S. R. 8 E. - Continued.

Chains	
40.00	Set a Sandstone, 18×10×6 ins. 12 ins. in the ground for 1/4 Sec. cor., marked 1/4 on W. face: and raise a mound of Stone, 2 ft. base, 1½ ft. high, W. of cor. Pits impracticable.
54.00	Top of rocky bluff, bears E. & W. descend 600 ft. to
50.00	In bottom of Cañon
	Set a Sandstone 18×14×5 ins. 12 ins. in the ground for cor. of Secs. 13. 14. 23 & 24, marked with 3 notches on S. and 1 notch on E. edge: and raise a mound of Stone 2 ft. base, 1½ ft. high, W. of cor. Pits impracticable.
	Land, broken.
	Soil, rocky, 4th rate.
	Timber, Scattering Cedars.
	Mountainous land 50.00 chs.
	August 25. 1895.
	S. 89° 56' E. on a random line bet. Secs. 13 & 24
40.00	Set temp. 1/4 Sec. cor.
49.50	Intersect E. bdy. of Tp. 10 S. of cor. of Secs. 13. 18. 19 & 24, which is a Sandstone 10×8×5 ins. above Ground, marked & witnessed as described by the Surveyor General.
	Thence I run
	West on a true line bet. Secs. 13 & 24.
	Ascend through Scattering Cedars
12.50	Top of ridge 200 ft. above Sec. cor. descend
39.90	In bottom of Cañon, 500 ft. deep.
	Set a Sandstone, 16×12×5 ins. 11 ins. in the Ground for 1/4 Sec. cor., marked 1/4 on N. face: and raise a mound of Stone, 2 ft. base, 1½ ft. high, N. of cor. Pits impracticable.
41.00	Ascend.
51.00	Top of ridge, bears N. & S. descend 600 ft.
45.50	Enter bottom of Cañon, Course S. E.
49.50	The Cor. of Secs. 13. 14. 23. & 24.
	Land, broken.

Chains	
	Soil, rocky, 4th. rate. Timber, Scattering Cedars. Mountainous Land. 79.50 chs.
	N. 0°01' W. bet. Secs. 13 and 14 In bottom of Canon, enter Scattering Cedars.
4.00	Leave Canon ascend
40.00	Set a Sandstone, 18×10×6 ins. 12 ins. in the ground for 1/4 Sec. Cor., marked 1/4 on W. face; and raise a mound of Stone 2 ft. base 1½ ft. high, W. of cor. Pits impracticable. Leave cedars, enter aspen
53.20	Top of ridge, bears E. and W. descend 1.000 ft. to
80.00	Set a Sand. Stone 16×12×4 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; and raise a mound of Stone 2 ft. base 1½ ft. high W. of Cor. Pits impracticable. Sand. broken Soil, rocky, 4th rate. Timber, Scattering Cedars and aspen Mountainous Land, 80.00 chs.
	East on a random line bet. 12 and 13
40.00	Set temp. 1/4 Sec. cor.
79.90	Intersect E. bdy. of Tp. 7 N. R. 8 W. cor. of Secs. 7. 12. 13 and 18, which is a Sandstone 5×9×5 ins. above ground, marked and witnessed as described by the Surveyor General. Thence I run S. 89°54' W. on a true line bet. Secs. 12 and 13. Descend
8.40	Head of ravine 100 ft. deep, course N. E. ascend.
19.50	Top of ridge 150 ft. high, bears N. E. and S. W. descend.
29.00	Head of Gulch, Course N. ascend
36.00	Top of ridge 150 ft. high, bears N. and S. descend.

Subdivision of T 13 S R 8 E. Continued

Chains	
39.95	Set a Sandstone 16×12×5 ins. 11 ins. in the Ground for ¼ Sec. Cor., marked ¼ on N. face and raise a mound of Stone 2 ft. base 1½ ft. high, N. of cor. Pits impracticable.
	100 lks. to
46.00	Head of Gulch, 100 lks. dist. Course N. ascend
59.50	Top of ridge. 150 ft. high. bears N. & S. descend
70.00	Bottom of Gulch 150 lks. dist. Course N. ascend
75.50	Top of ridge 100 ft. high bears N. & S. descend
79.90	The Cor. of Secs. 11. 12. 13 & 14
	Land, broken
	Soil, rocky. 4th rate
	Timber, aspen & Pine in bottom of Gulch.
	Mountainous land. 79.90 chs.

	N 0°01' W. bet. Secs. 11 & 12.
	Descend
3.00	Enter Pines.
5.00	Bottom of Gulch, course N. E. leave Pines ascend gradually over broken gullies, through brush.
26.00	Point of ridge 50 ft. high, bears N. E. & S. W. descend 500 ft.
37.00	enter Pines
38.40	Bottom of Canon, course E. ascend 40 ft. to
40.00	Set a Sandstone, 16×12×7 ins. 12 ins. in the Ground for ¼ Sec. Cor., marked ¼ on W. face, and raise a mound of Stone 2 ft. base, 1½ ft. high, W. of cor. Pits impracticable
70.00	Top of ridge, 500 ft. high, bears N. W. & S. E. Thence descend gradually along Spur of ridge
80.00	Set a Sandstone, 16×12×10 ins. 12 ins. in the Ground. for Cor. of Secs. 1. 2. 11 & 12. marked with 5 notches on S. & 1 notch on E. edges; and raise a mound of Stone 2 ft. base 1½ ft. high, W. of cor. Pits impracticable.
	Land, broken
	Soil, rocky, 4th rate.

Chains.	
	Timber Scattering Pines Mountainous Land. 80.00 Chs.
	N. 89° 54' E. on a random line bet. Secs. 1 & 12
40.00	Set temp. 1/4 Sec. Cor.
80.00	Intersect E. bdy. of Tp. at the cor. of Secs. 1. 6. 7 & 12, which is a Sandstone 3 x 3 x 24 ins above Ground, marked & witnessed as described by the Surveyor General. Thence I run S. 89° 54' W. on a true line bet. Secs. 1 & 12. On rocky descent 200 ft. through dense brush to
19.80	Dry Wash. 20 ft. wide, 2 ft. deep. in bottom of Canon Course S. E. ascend 200 ft. to
40.00	Set a Sandstone 23 x 15 x 9 ins. 18 ins. in the Ground. for 1/4 Sec. Cor. marked 1/4 on N. face; and raise a mound of Stone 2 ft. base, 1½ ft. high. N. of Cor. Pits impracticable.
55.00	Top of ridge 200 ft. above 1/4 Sec. Cor. bears N. and S. leave brush, descend.
62.00	Bottom of Gulch. 500 ft. deep. Course N. ascend.
80.00	The cor. of Secs. 1. 2. 11 & 12. Land broken Soil rocky, 4th rate. No timber Mountainous land. 80.00 Chs.
	N 0° 01 W. on a random line bet. Secs. 1 and 2
40.00	Set temp 1/4 Sec. Cor.
80.10	Intersect N. bdy of Tp. at Cor. of Secs 1. 2. 35 and 36, which is a Sandstone 10 x 6 x 6 ins. above Ground, marked & witnessed as described in the Survey of North boundary - Thence I run S. 0° 01' E. on a true line bet. Secs. 1 and 2. Ascend through Scattering Cedars and dense oak brush
247.00	Top of ridge 500 ft. high, bears N. W & S. E. descend.

Subdivision of T. 53 S. R. 8 E. - Continued.

Chains.	
40.10	Set a Sandstone, 18 x 12 x 4 ins. 12 ins. in the ground for 1/4 Sec. Cor. marked 1/4 on W. face. and raise a mound of Stone 2 ft. base 1½ ft. high. W. of Cor. Pits impracticable.
64.20	Dry Wash 30 lks. wide 2 ft. deep. in bottom of Canon, Course E.
64.60	Ascend Point of ridge. bears N. & S. 600 ft. to
80.10	The Cor. of Secs. 1. 2. 11 and 12. Land, broken. Soil, rocky, 4th. rate. Timber, Scattering Cedars. Mountainous Land. 80.10 chs. August. 26. 1895.

From the Cor. of Secs 2. 3. 34 & 35 on the S. Bdy. of the Tp. which is a Sandstone 5 x 14 x 6 ins above Ground. marked and witnessed as described by the Surveyor General, I run N 0° 01' W. bet. Secs. 34 and 35.

Ascend through Scattering Cedars.

4.00	Top of ridge, 40 ft. above Sec. Cor. bears N. W. and S. E. descend
25.50	Enter bottom, 200 ft. below top of ridge
30.00	Creek, 10 lks wide, 6 ins. deep, Course S. E.
31.00	Enter Cultivated field
39.25	Leave field, ascend
40.00	Set a Sandstone, 22 x 16 x 4 ins. 16 ins in the ground for 1/4 Sec. Cor. marked 1/4 on W. face. and raise a mound of Stone 2 ft. base 1½ ft. high W. of Cor. Pits impracticable. Chas. Grants Cabin N. 75° W. 15 chs.
44.40	Cliff 30 ft. high, bears N. W and S. E. enter flat.
50.00	Leave Cedars
79.63	Fence, bears E and W.

See corrds No 1, page 118

	Chains.	
See cor note No 1 page 118	80.00	Set a Sandstone, 18×12×8 ins. 12 ins in the ground for Cor of Secs. 26. 27. 34 and 35. marked with 1 notch on S., and 2 notches on E. edges; and raise a mound of stone 2 ft. base 1½ ft. high W. of cor. Pits impracticable: Land, broken. Soil. rocky and gravelly. 4th rate. Timber, Scattering Cedars. Mountainous land, 80.00. chs.
		Past on a random line bet. Secs. 26 and 35
	40.00	Set temp. ¼ Sec. cor.
	79.84	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
		Descend through Scattering Cedars.
	12.34	Dry Wash, 50 lks. wide, 10 ft. deep. in bottom of Gulch, 40 ft. below Sec. cor. Course S. ascend
	29.30	Top of ridge 100 ft. high. bears N. and S. descend
	30.80	Bottom of Gulch, course S.E.
	35.50	Top of ridge. 100 ft. high. bears N. and S. descend
	38.30	Bottom of ravine, course S.W. ascend
See cor note No 1. page 119	39.92	Set a Sandstone, 20×12×8 ins. 15 ins. in the ground for ¼ Sec. Cor, marked ¼ on N. face; and raise a mound of stone 2 ft. base 1½ ft. high N. of cor. Pits impracticable.
	40.34	Point of ridge, 20 ft. high bears S. descend
	41.30	Enter Canon
	46.64	Dry Wash 50 lks. wide 2 ft. deep in bottom of Canon, course S.E. ascend
	49.80	Top of ascent, leave cedars
	56.50	Road, bears N.W. and S.E.
	57.94	Fence, bears N. and S. enter field.
	62.89	Fence, bears N.W and S.E. leave field
	65.04	Dry Wash 2.00 chs. wide, 25 ft. deep. Course S.E.
	72.84	Corrall fence, bears N. and S.
	73.84	Corrall fence, bears N and S. enter field
	75.30	E. Pratt's house. bears N. 1.20 chs.

Chains.	
79.54	The Cor of Secs. 26. 24. 34 & 35. Land. broken Soil rocky and gravelly 4th rate. Timbr. Scattering Cedars Mountainous Land. 79.54 chs.
	N 0°01' W. bet. Secs. 26 and 24. On Radial. ascent - min - field.
9.35	Dry Wash. 2.00 chs. wide 20 ft. deep, course S. E.
15.02	Fence bears E. & W. leave field
15.25	Road. bears E. and W.
33.00	Descend
36.70	Bottom of Ravine. 40 ft. deep, course S. E. ascend.
	enter cedars.
40.00	Set a Sandstone. 16x10x4 ins. 11 ins. in the ground for 1/4 Sec. cor. marked 1/4 on W. face. dig Pits 18x18x12 ins. N. and S. of Stone 3 ft. dist., and raise a mound of earth 3 1/2 ft. base. 1 1/2 ft. high. W. of cor.
	A cedar. 15 ins diam, bears N. 37° E. 16 lks. dist., marked 1/4 S. B. T.
80.00	Set a Sandstone 18x12x8 ins 12 ins. in the ground for cor. of Secs. 22. 23. 26 & 24, marked with 2 notches on S. & 2 notches on E. edges; dig Pits 18x18x12 ins. in each Sec. 3 1/2 ft. dist., and raise a mound of earth 4 ft. base. 2 ft. high, W. of Cor.
	Land. rolling and broken. Soil. gravelly and rocky, 4th rate. Timbr. Scattering Cedars. Mountainous land. 80.00 chs.
	August 24; At this Cor. I Set off 9°55' E. on the decl. arc; and at 0 hrs. 1 min. P. M. L. M. T., observe the Sun on the meridian; the resulting Lat. is 39°40' N.

Secondaries No 1 page 120

Subdivision of T 13 S R 8 E - Continued

66 Links	S. 59° 55' E. on a random line Bet. Sec. 23 & 26.
4.00	Set tmb. for Sec. Cor.
79.50	Intersect N. & S. line at Cor. of Sec. 23. 24. 25 & 26. Thence N. run N. 59° 55' W. on a true line Bet. Sec. 23 & 26 for Steep descent.
.50	Head of ravine, ascend gradually in Scattering Cedar.
13.00	Top of ridge, bears N. E. & S. W. descend
39.90	Set a Sandstone 20 x 24 x 14 ins. 19 ins. in the ground for 1/4 Sec. cor. marked 1/4 on N. face, and raise a mound of Stone. 2 ft. base. 1½ ft. high S. of Cor. Pits impracticable.
41.00	Bottom of Gulch 40 ft. below 1/4 Sec. Cor. Course S. ascend 200 ft. to
50.05	Top of ridge, bears N. E. & S. W. descend
64.00	Bottom of Gulch, 100 ft. deep, ascend gradually
79.50	The Cor. of Sec. 22. 23. 26 & 27. Land, Broken, Soil, rocky, 4th rate. Timber, Scattering Cedar. Mountainous land 79.50 ch.

	N. 0° 01' W. Bet. Sec. 22. & 23. Ascend through Scattering Cedars.
4.00	Top of ridge, bears N. W. & S. E. descend
7.50	In bottom, Course E. ascend
14.00	Top of ridge 200 ft. above Sec. Cor., bears E. & W. descend
34.00	Bottom of Gulch. Course S. W. ascend
40.00	Set a Sandstone, 16 x 10 x 6 ins. 11 ins. in the ground for 1/4 Sec. Cor. marked 1/4 on W. face, and raise a mound of Stone, 2 ft. base 1½ ft. high W. of Cor. Pits impracticable.
41.00	Foot of rocky Bluff
70.00	Top of Bluff.
80.00	Set a Sandstone, 16 x 12 x 5 ins. 11 ins. in the ground for Cor. of Secs. 14. 15. 22 & 23, Marked with 3 notches on S. and 2 notches on E. edge, and raise a mound of Stone 2 ft. base, 1½ ft. high W. of Cor. Pits impracticable.

Subdivision of T. 13 S. R. 8 E. - Continued.

Chains	
	Land, broken.
	Soil, rocky, 4th rate.
	Timber, Scattering Cedar.
	Mountainous Land. 70.00 Ch.
	S. 59° 5' E. on a random line bet. Secs. 14 & 23.
40.00	Set temp. 1/4 Sec. Cor.
40.44	Intersect N. and S. line 5 lks. E. of Cor. of Secs. 13. 14. 23 and 24.
	Thence I run
	West on a true line bet. Secs. 14 and 23.
	In bottom of Canon
9.50	Ascend
36.75	Top of ridge, 800 ft. above Sec. Cor. bears N. E. & S. W. descend
39.74	Set a Sandstone 15 x 12 x 5 ins. 12 ins. in the ground for 1/4 Sec. Cor, marked 1/4 on N. face, and raise a mound of Stone 2 ft. base 1½ ft. high N. of Cor. Pits impracticable.
43.25	Bottom of Gulch, Course N. E. ascend enter Scattering Spruce.
47.75	Top of ridge bears N. E and S. W. descend
50.50	Head of Gulch, Course N. E. ascend.
54.40	Leave Spruce.
60.25	Top of ridge, bears N. and S. descend, enter Spruce.
64.75	Head of Canon, course S. W. ascend
68.50	Top of ridge bears N. E and S. W. leave Spruce.
79.44	The Cor of Secs. 14. 15. 22. and 23.
	Land, broken.
	Soil, rocky, 4th rate.
	Timber, Scattering Spruce.
	Mountainous Land, 79.44 Chs.
	August 24, 1895.
	N. 0° 01' W. bet. Secs. 14 and 15
	on Radual ascent, 60 ft. to
8.50	Top of ridge, bears N. E. and S. W. descend.
11.80	Head of Canon 50 ft. dwd, Course N. ascend

Subdivision of T. 13 S. R. 5 E. - Continued.

Chains	
24.00	Top of ridge bears N. W. & S. E. descend
33.00	Outer aspen.
35.00	Bottom of Gulch, Course N. E. ascend
40.00	Set a Sandstone 12 x 10 x 5 ins. 8 ins. in the ground for 1/4 Sec. Cor., marked 1/4 on W. face; and raise a mound of Stone, 2 ft. base 1 1/2 ft. high, W. of Cor. Pit, impracticable.
	An aspen, 6 ins. diam., bears S. 3° W. 6. links dist., marked 1/4 S. B.T.
	An aspen, 6 ins. diam., bears N. 57° W. 6 Lks. dist., marked 1/4 S. B.T.
41.00	Point of ridge bears E. & W. descend
45.25	Bottom of Canon, Course S. E. ascend
62.00	Top of ridge, bears N. W. & S. E. descend
80.00	Set a Sandstone 20 x 16 x 6 ins. 15 ins. in the ground for Cor of Secs. 10. 11. 14 & 15; marked with 4 notches on S. and 2 notches on E. edge; and raise a mound of Stone 2 ft. base 1 1/2 ft. high W. of Cor. Pit, impracticable.
	An aspen, 12 ins. diam., bears S. 2° E. 30 Lks. dist., marked T. 13 S. R. 5 E. S. 14. B.T.
	A Pine, 5 ins. diam., bears N. 45° E. 1.10 Chs. dist., marked T. 13 S. R. 5 E. S. 11. B.T.
	Land, broken
	Soil, rocky, 4th rate.
	Timber, Scattering Pine & aspen.
	Mountainous Land. 80.00 Chs.

	East on a random line bet. Secs. 11 & 14
4.00	Set Stub 1/4 Sec. Cor.
79.60	Intersect N. & S. line at cor. of Secs. 11. 12. 13 & 14.
	Thence S. runs
	West on a true line bet. Secs. 11 & 14
	On Stub descend
2.30	Bottom of ravine, Course N. E. ascend.
21.30	Top of ridge, 600 ft. high, bears N. & S. descend
36.65	Bottom of Canon, Course N. ascend in east fork
39.90	Set a Sandstone, 20 x 14 x 4 ins. 15 ins. in the ground for 1/4 Sec. Cor., marked 1/4 on N. face; and raise

Chains	
	a mound of Stone 2 ft. base 1½ ft. high, N. of Cor. Pits impracticable.
53.30	Leave oak brush.
64.80	Top of ridge, bears N. W and S. E. descend.
74.00	Enter aspen
74.50	Bottom of Canon, Course N. W. ascend.
79.80	The Cor. of Secs. 10. 11. 14 and 15.
	Land, broken.
	Soil, rocky, 4th rate.
	Timber, Scattering aspen.
	Mountainous Land 79.80 chs.

N. 0° 01' W. bet. Secs. 10 and 11.
Descend through Scattering aspen

5.00	Bottom of Gulch, Course N. W. ascend
26.00	Point of ridge, bears S. E. descend Steep Slope
35.70	Bottom of Canon, 100 ft. deep, Course N. E. Leave aspen, ascend through oak brush
40.00	Set a Sandstone 18×12×9 ins. 12 ins. in the ground for ¼ Sec. Cor, marked ¼ on W. face, and raise a mound of Stone, 2 ft. base 1½ ft. high W. of cor Pits impracticable
52.00	Top of ridge, 600 ft. high, 300 ft. above ¼ Sec. Cor. bears E. and W. descend 300 ft. to
64.00	Bottom of Gulch, Course S. E. ascend 500 ft. to
80.00	Set a Sandstone, 18×12×9 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; and raise a mound of Stone 2 ft. base 1½ ft. high W. of Cor.
	Pits impracticable.
	Land, broken.
	Soil, rocky, 4th. rate.
	Timber Scattering aspen.
	Mountainous Land, 80.00 chs.

August 26: At this Corner I set off 9° 34' E. on the decl. arc; and at 0 hrs. 1 min. 6 m. l.m.t., observe the Sun on the meridian; the resulting Lat. is 39° 42' N.

0 Chains	East on a random line bet. Secs. 2 and 11.
40.00	Set temp. 1/4 Sec. Cor.
80.00	Inter Sect N. and S. line at Cor. of Secs. 1. 2. 11 and 12
	Thence I run.
	West on a true line bet Secs. 2 and 11.
	On Steep descent
3.50	Enter east brush
8.00	Head of Gulch 500 ft. below Sec. Cor. Course N. ascend
20.00	Leave brush.
22.00	Top of ridge, bears N. and S. ascend
39.50	Top of ridge, bears N.W. and S.E. descend
40.00	Set a Sandstone 19x16x5 ins. 14 ins. in the Ground for 1/4 Sec. cor., marked 1/4 on N face; and raise a mound of Stone 2 ft base 1½ ft. high N. of Cor. Pits impracticable:
45.00	Head of Gulch, Course S. ascend 250 ft. to
49.50	Top of ridge bears N. and S. descend
67.00	Head of Gulch 150 ft. deep. Course S. ascend.
76.00	Top of ridge, bears N. and S. descend 100 ft. to
80.00	The Cor. of Secs. 2. 3. 10 and 11.
	Land. broken.
	Soil, rocky. 4th rate
	No timber
	Mountainous Land. 80.00 Chs.

	N 0°01' W on a random line bet. Secs. 2 and 3
40.00	Set temp. 1/4 Sec. Cor.
80.00	Inter Sect N. bdy. of Tp. 5 Chs. W. of Cor of Secs 2. 3. 34 and 35;
	Thence I run
	S. 0°01' W. on a true line bet. Secs. 2 and 3.
	Descend mostly brush 150 ft. to
6.50	Bottom of ravine, Course E. ascend
15.00	Top of ridge, bears N.E. and S.W. descend.
28.00	Bottom of Gulch, Course N.E. ascend
36.00	Top of ridge, bears E. and W. descend.
40.00	Set a Sandstone 24x16x8 ins. 15 ins. in the Ground for 1/4 Sec. cor, marked 1/4 on W. face; and raise a mound of Stone 2 ft. base

Chains	
	1½ ft. high, Br. of cor. Pits impracticable.
49.00	Bottom of cañon, course E. ascend
55.50	Top of ridge, bears E. & Br. descend.
59.50	Head of gulch, Course N. E. ascend.
65.40	Top of ridge, bears N. W. & S. E. descend.
68.00	Leave east truck
80.00	The cor. of Secs. 2. 3. 10 & 11.
	Sand, broken.
	Soil, rock & 4 lb rate.
	No timber.
	Mountainous land, 80.00 chs.
	August 28. 1890.

From the Cor. of Secs. 3. 4. 33 & 34, on the S. bdy. of the Tp., which is a Sandstone, 11 × 16 × 4 ins. above ground, marked and witnessed as described by the Surveyor General, I run N 0° 02' W. bet. Secs 33 & 34.

over rolling mountains, on radial accent.

25.00	Top of ridge, bears N. W. & S. E. descend
40.00	Set a Sandstone 24 × 9 × 6 ins. 15 ins. in the ground for ¼ Sec. Cor., marked ¼ on W. face; and raise a mound of Stone 2 ft. base, 1½ ft. high, Br. of Cor. Pits impracticable
68.00	Bottom of gulch, Course S. E. ascend
80.00	Set a Sandstone, 20 × 16 × 6 ins. 15 ins. in the ground for Cor. of Secs. 27, 28, 33 & 34, marked with 1 notch on S. and 3 notches on E. edge; and raise a mound of Stone 2 ft. base 1½ ft. high, Br. of Cor. Pits impracticable.
	Sand, rolling mountains
	Soil, rock & 4 lb. rate.
	No timber
	Mountainous land, 80.00 chs.

See corner No 1 page 122

Post on a random line bet. Secs. 27 & 34

40.00	Set temp. ¼ Sec. Cor.
80.16	Intersect N. & S. line at cor. of Secs. 26 27, 34 & 35.

Chains	
	Thence I run
	West on a true line bet. Secs. 27 & 34
	Over rolling Ground on gradual descent.
1.16	Fence. bears N. & S.
21.00	Enter Cedars and Pines
24.00	Top of bluff, descend over bench.
40.00	Set a Sandstone 19×12×4 ins. 14 ins. in the Ground for 1/4 Sec. Cor., marked 1/4 on N. face; and raise a mound of Stone, 2 ft. base 1½ ft. high N. of Cor. Pits impracticable.
	A Pine, 10 in. diam. bears S. 5° W. 11 lks. dist. marked 1/4 S. B.T.
	A Pine 8 ins. diam bears N. 5° E. 43 lks. dist. marked 1/4 S. B.T.
47.00	Leave Cedars and Pines, enter Cañon.
48.46	In bottom of Cañon, Creek 3 lks. wide 3 ins. deep. Course S. E.
49.66	Enter cultivated field
52.63	Fence, bears N. and S. leave field.
56.00	Leave bottom of Cañon, ascend gradually over broken benches.
80.16	The Cor. of Secs. 27, 28, 33 and 34.
	Land rolling and broken
	Soil, gravelly and rocky. 4th rate.
	Timber, Scattering Cedars and Pines
	Mountainous land, 80.16 Chs.

See corrected No 1 page 122

	N. 0°02' W. bet. Secs. 27 and 28.
	Over broken bench land.
.50	Road, bears N. E. and S. W.
4.00	Enter Cedars, and dense coal brush
23.00	Descend
30.00	Bottom of ravine 100 ft. deep, Course S. E. ascend
35.00	Top of ridge, bears N. W. and S. E. descend
40.00	Set a Sandstone 16×10×5 ins. 11 ins. in the Ground for 1/4 Sec. Cor., marked 1/4 on W. face. and raise a mound of Stone 2 ft. base 1½ ft. high W. of Cor. Pits impracticable.
40.50	Enter Cañon
47.60	North Fork of Gordon Creek, 5 Lks. wide, 6 ins. deep.

See corrected No 1 page 123

Subdivision of T. 13 N. R. 6 E. - Continued

Chains	Course, & C.	
0.00	Leave track, enter Cultivated field	
39.10	Fence, bears N.W. & S.E. Leave field, ascend	
39.35	Road bears N.W. & S.E.	
60.90	Ditch, 3 Ch. Wide, 6 ins. deep. Course S.E.	
80.00	Set a Sandstone 20×12×10 ins. 15 ins. in the ground for Cor. of Secs. 21. 22. 27 & 28, marked with 2 notches on S. and 3 notches on E. edge, and raise a mound of Stone 2 ft. base 1½ ft. high W. of Cor. Pits impracticable.	See cor. Note No 1 page 123
	Land, broken	
	Soil, Gravelly & rocky, 3rd & 4th rate.	
	Timber, Scattering Cedar.	
	Mountainous Land, 80.00 chs.	
	August 29: At this corner, I set off 9° 15' N. on the Decl. arc; and at 0 hrs. 01 min. P.M. l.m.t., observe the Sun, on the meridian; the resulting Lat. is 39° 40' N.	
	Past on a random line bet. Secs. 22 & 27.	
40.00	Set temp. ¼ Sec. Cor.	
40.24	Intersect N. & S. line at Cor. of Secs. 22. 23. 26 & 27.	
	Thence I run	
	West on a true line bet. Secs. 22 & 27.	
	On Radial ascent through Scattering Cedar.	
2.50	Top of low ridge, bears N. & S. descend	
20.50	Bottom of ravine 50 ft. deep, course S. ascend	
25.00	Point of ridge, bears N. descend	See corner No 1 page 124
29.50	Bottom of ravine 50 ft. deep, Course S.	
32.70	Top of ridge, bears N. & S. descend	
34.00	Bottom of ravine, Course S. ascend	
40.00	Head of Gulch, Course S.E.	
40.12	Set a Sandstone 20×16×6 ins. 15 ins. in the Ground, for ¼ Sec. Cor. marked ¼ on N. face, and raise a mound of Stone 2 ft. base 1½ ft. high N. of Cor. Pits impracticable.	
47.75	Top of ridge, 150 ft. above ¼ Sec. Cor. bears	

	Chains	
		N. E. and S. W. descend.
	56.00	Bottom of gulch, dry wash 30 lks. wide, 6 ft. deep, course S. W. ascend
See cor notes 1/1 page 124	65.20	Top of ridge, bears N. and S. descend.
	80.24	The Cor. of Secs. 21. 22. 27 and 28.
		Land, broken.
		Soil, rocky, 4th rate
		Timber, Scattering Cedars
		Mountainous land, 80.24 chs.
		N. 0°02' W. bet. Secs. 21 and 22.
		On a gradual descent over broken ground
	12.90	Bottom of ravine 30 ft. below Sec. Cor. ascend in oak brush des. S.W.
	40.00	Set a Sandstone 14×10×8 ins. 9 ins. in the ground for 1/4 Sec. cor., marked 1/4 on W. face; and raise a mound of Stone 2 ft. base 1/2 ft. high W. of Cor. Pits impracticable.
	41.00	Leave brush, enter Scattering Cedars
See cor notes 1/1 page 125	60.00	Top of ridge 300 ft. above Sec. Cor., bears N. E. and S. W. descend.
	63.00	Head of ravine 75 ft. deep, Course S. W. ascend 300 ft. to
	75.00	Top of ridge, bears E. and W. descend
	79.20	Head of ravine 150 ft. deep, Course S. W. ascend
	80.00	Set a Sandstone 14×12×12 ins. 9 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, 13 S. on N.E. 8 E. on S.E. faces. and raise a mound of Stone 2 ft. base 1/2 ft. high W. of Cor.
		Pits impracticable.
		Land, broken.
		Soil, rocky, 4th rate
		Timber, Scattering Cedars
		Mountainous land, 80.00 chs.
		East on a random line bet. Secs. 15 and 22.
	40.00	Set temp 1/4 Sec. Cor.

Subdivision of T. 13. S. R. 6 E. - Continued.

Chains		
50.20	Intersect N. and S. line at cor of Secs. 14. 15. 22 and 23.	
	Thence S run	
	West on a true line bet. Secs. 15 and 22.	
	Descend Gradually, through Scattering Cedar.	
4.50	Head of Gulch, Course S. W. ascend	
7.00	Top of ridge, bears N. E. and S. W. descend	
37.50	Head of Gulch, Course N. W. ascend	
40.10	Set a Sandstone, 24 x 18 x 6 ins. 18 ins. in the Ground for 1/4 Sec. Cor., marked 1/4 on N. Face; and raise a mound of Stone 2 ft. base 1/2 ft. high N. of Cor. Pits impracticable.	See cor notes No 1 page 125
42.50	Descend	
46.40	Bottom of Canon 1000 ft. deep, Course S. ascend	
63.00	Top of ridge, bears N. and S. descend 500 ft. to	
80.20	The Cor. of Secs. 15. 16. 21 and 22.	
	Sand. broken,	
	Soil, rocky. 4th rate	
	Timber Scattering Cedar	
	Mountainous Land. 50.20 Chs.	
	August 29. 1895.	

	N 0°02' W. bet. Secs. 15 and 16 on Stone ascent	
6.90	Top of ridge, bears E and W. descend.	
22.00	Bottom of ravine, Course W. ascend.	
39.70	Top of ridge, bears E. and W. descend.	
40.00	Set a Sandstone, 18 x 16 x 5 ins. 12 ins. in the Ground, for 1/4 Sec. Cor. marked 1/4 on W. Face; and raise a mound of Stone 2 ft. base 1/2 ft. high, W. of Cor. Pits impracticable	See cor notes No 1 page 126
47.50	Bottom of ravine, Course W. ascend.	
56.00	Top of ridge, bears E. and W. descend	
60.50	Bottom of Canon, Course W. ascend	
72.00	Point of ridge, bears S. E. descend	
80.00	Set a Sandstone, 18 x 18 x 6 ins. 12 ins. in the Ground for Cor. of Secs. 9. 10. 15 and 16 Marked with 4 notches on S. and 3 notches on E. edges; and raise a mound	

Chains	
	of Stone 2 ft. base, 1½ ft. high. Dr. of. Cor. Pits impracticable.
	Land. broken.
	Soil, rocky. 4th rate.
	No timber.
	Mountainous land, 80.00 chs.
	East on a random line bet. Secs. 10 & 15
40.00	Set Temp. ¼ Sec. Cor.
80.22	Intersect N. and S. line 12 lks. S. of Cor. of Secs. 10. 11. 14 and 15
	Thence I run
	S 89° 55' W. on a true line bet. Secs. 10 & 15.
	over broken ground, ascending through brush.
11.80	Top of ridge, bears N & S. descend
16.00	Head of gulch, course N. ascend
19.00	Top of ridge. bears N & S. descend
32.00	Head of gulch. course N. ascend
38.20	Top of ridge. bears N. & S. descend
39.00	Enter Scattering Spruce.
40.11	Set a Sandstone 16x12x8 ins. 11 ins. in the ground. for ¼ Sec. Cor., marked ¼ on N. face, from which
	A Spruce, 15 ins. diam. bears N. 30° W 10 lks. dist.
	marked ¼ S. B.T.
	A Spruce 12 ins. diam. bears S. 2° 30' E. 17 lks dist.
	marked ¼ S. B.T.
42.00	Head of gulch, course N. leave Spruce, ascend
46.00	Top of ridge, bears N. & S. descend
55.20	Head of ravine, course N. ascend
66.00	Top of ridge, bears N. W & S. E. descend
80.22	The Cor. of Secs. 9. 10. 15 & 16.
	Land. broken.
	Soil, rocky. 4th. rate.
	Timber, Scattering Spruce
	Mountainous land. 80.22. chs.

August. 30; At this Corner I Set off 8° 54' E on the dec. var., and at 0 hr. 1 min P.M. L.M.T., observe the Sun on the meridian; the resulting Lat. is 39° 41' N.

Subdivision of T. 13 S. R. 8 E. - Continued

Chains	
	N 0° 02' W. bet. Secs. 9 and 10
	Descend
2.00	Head of ravine, course S. W. ascend
35.00	Top of ridge. bears N. W. and S. E. descend
37.50	Enter dense oak brush
40.00	Set a Sandstone 18 x 10 x 6 ins. 12 ins. in the Ground for 1/4 Sec. cor., marked 1/4 on W. face; and raise a mound of Stone 2 ft. base 1½ ft. high W. of cor. Pits impracticable.
42.80	Head of ravine, Course S. E. ascend.
62.00	Top of ridge, bears N. W. and S. E. descend
76.40	Head of ravine, course S. E. ascend 300 ft. to
80.00	Set a Sandstone 30 x 18 x 9 ins. 23 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 broken. Soil, rocky, 4th rate. No timber. Mountainous land. 80.00 Chs.
	N. 89° 55' E. on a random line bet. Secs. 3 and 10.
40.00	Set temp. 1/4 Sec. cor.
80.00	Intersect N. and S. line 4 lks N. of cor. of Secs. 2. 3. 10 and 11.
	Thence I run
	S. 89° 58' W. on a true line bet. Secs. 3 and 10.
	On Steep descent; through brush, 45 ft. to
9.50	Bottom of Gulch, Course S. ascend 100 ft. to
15.00	Top of ridge. bears N. and S. descend
20.00	Bottom of ravine, 100 ft. deep, Course S. ascend. enter ash, elm.
40.00	Set a Sandstone, 18 x 12 x 4 ins. 12 ins. in the Ground for 1/4 Sec. Cor., marked 1/4 on N. face; and raise a mound of Stone 2 ft. base 1½ ft. high N. of Cor. Pits impracticable. This 1/4 Sec. Cor. is about 100 ft. above bottom of ravine.

Chains.	
46.00	Top of ridge, 150 ft. above ¼ Sec. Cor, bears N. and S. descend. 100 ft. to
53.00	Bottom of Gulch, Course S. ascend. 150 ft. to
68.00	Top of ridge, bears N. W. and S. E. descend.
80.00	The Cor. of Secs. 3. 4. 9 and 10
	Land, broken.
	Soil, rocky; 4th rate.
	Timber, Scattering aspen.
	Mountainous land, 80.00 chs.

N 0° 02' W. on a random line bet. Secs. 3 and 4.

40.00	Set temp ¼ Sec. Cor.
79.98	Intersect the N. bdy. of the Tp. at cor. of Secs. 3. 4. 33 and 34

Thence I run

S. 0° 02' E. on a true line bet Secs. 3 and 4.

Ascend through Scattering Spruce and aspen.

39.98	Set a Sandstone 16 x 8 x 5 ins. 11 ins. in the ground for ¼ Sec. Cor, marked ¼ on W. face; and raise a mound of Stone 2 ft. base 1½ ft. high W. of Cor. Pit impracticable
43.50	Leave timber
69.00	Top of ridge, bears N. E. and S. W descend 500 ft. to
79.98	The Cor. of Secs. 3. 4. 9 and 10

Land, broken

Soil, rocky; 4th rate

Timber, Scattering Spruce & aspen

Mountainous land, 79.98 Chs.

August 30. 1895.

From the Cor. of Secs. 4. 5. 32 and 33 on the S. bdy. of the Tp. which is a Sandstone 12 x 11 x 5 ins above ground, marked and witnessed as described by the Surveyor General, I run

N 0° 03 W. bet. Secs. 32 and 33.

On, gradual descent over rolling ground.

15 00	Bottom of hollow, course S. E. ascend 100 ft. to

Subdivision of T 13 S. R 8 E. - Continued

Chains		
36.00	Top of ridge, 150 ft. high, bears N. W. & S. E. descend	
36.50	Enter bottom	
38.10	Dry wash, 20 lks. wide 10 ins. deep. course S. E. ascend in dense oak brush	
40.00	Set a Sandstone, 18×12×12 ins. 12 ins. in the ground, for 1/4 Sec. cor., marked 1/4 on W. face; and raise a mound of stone 2 ft. base 1 1/2 ft. high, W. of cor. Pits impracticable.	See cor notes No 1 page 127
44.40	Road, bears E. & W.	
49.50	Leave bottom and brush, ascend over broken foot hills along W. slope of ridge	
80.00	Set a Sandstone, 24×10×8 ins. 18 ins. in the ground for cor. of Secs. 28. 29. 32 & 33, marked with 1 notch on S. and 4 notches on E. edges; and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor. Pits impracticable.	
	Land, broken & rolling	
	Soil, rocky; 4th rate.	
	No timber	
	Mountainous land 80.00 chs.	
	Past on a random line bet. Secs. 28 & 33	
40.00	Set temp. 1/4 Sec. cor.	
80.04	Intersect N. & S. line at cor. of Secs. 27. 28. 33. & 34	
	Thence I run	
	West on a true line bet. Secs. 28 & 33	
	Over broken bench land, ascend gradually	
.80	Road, bears N. E. & S. W.	
40.02	Set a Sandstone, 16×12×5 ins. 11 ins in the ground, for 1/4 Sec. cor., marked 1/4 on N. face and raise a mound of stone 2 ft. base 1 1/2 ft. high N. of cor. Pits impracticable.	See cor notes No 1 page 127
71.00	Top of ridge, 300 ft. high, bears N. & S. descend.	
80.04	The cor. of Secs. 28. 29. 32 & 33	
	Land, broken.	
	Soil, rocky; 4th rate.	

Chains.	No timber. Mountainous land, 80.04 chs.
	N. 0°03' W. bet. Secs. 28 and 29. On gradual ascent over broken ground, through oak brush.
7.40	Head of gulch, course S. W.
15.00	Top of ridge, 800 ft. above Sec. cor. bears E. and W. descend
37.50	Ravine, 500 ft. deep, course N. E. ascend 100 ft. to
40.00	Set a Sandstone, 20 × 12 × 6 ins. 15 ins. in the ground for 1/4 Sec. Cor., marked 1/4 on W. face: and raise a mound of stone 2 ft. base 1 1/2 ft. high W. of Cor. Pits impracticable. descend 100 ft. to
See corrections No 1 page 128 44.00	Bottom of ravine, course E. ascend 400 ft. to
55.00	Top of ridge, bears E. and W. descend.
60.00	Bottom of Cañon, 400 ft. deep, course S. E. ascend 800 ft. to
73.00	Top of ridge, bears E. and W. descend 300 ft. to
80.00	Set a Sandstone, 16 × 8 × 6 ins. 11 ins. in the ground for Cor. of Secs. 20. 21. 28 and 29: marked with 2 notches on S. and 4 notches on E. edges; raised a mound of stones 1 1/2 ft. high 2 ft. base W. of Cor. A spruce, 8 ins. diam. bears S. 81° W. 23 lks. dist., marked T. 13 S. R. 8 E. S. 29. B. T. A spruce, 8 ins. diam. bears S. 70° W. 23 lks. dist., marked T. 13 S. R. 8 E. S. 29 B. T. Land, broken. Soil, rocky; 4th rate. No timber, dense brush on 80.00 chs. Mountainous land, 80.00 chs.
	August 31; At this corner, I set of 8°32' N. on the decl. arc; and at 0 hrs 0 min. m. l. m. t. observe the sun on the meridian; the resulting lat. is 39°40' N.

Chains.	
	East on a random line bet. Secs. 21 & 28
40.00	Set temp. 1/4 Sec. Cor.
80.04	Intersect N. & S. line 10 lks. N. of cor. of Secs. 21. 22. 24 & 28
	Thence I run
	N. 89° 56' W. on a true line bet. Secs. 21 & 28
	Descend through scattering brush
9.50	Road in bottom of ravine, bears N. E. & S. W.
10.00	Ascend 50 ft. to
12.00	Top of ridge, bears N. & S. descend 100 ft. to
16.00	Outer bottom. Leave brush.
20.00	A. Tryne's house bears N. 3.00 ch.
24.50	North fork of Gordon Creek, Course S.
	Creek 10 lks wide, 4 ins. deep, ascend
40.02	Set a sandstone 10 x 5 x 6 ins. 4 ins. in the ground for 1/4 Sec. Cor. marked 1/4 on N. face; and raise a mound of stone 2 ft. base 1½ ft. high N. of Cor. Pits impracticable.
73.00	Top of ridge, 400 ft. above 1/4 Sec. Cor., bears N. & S. descend 200 ft. to
80.04	The Cor. of Secs. 20. 21. 28 & 29.
	Land broken
	Soil, gravelly & rocky 4th rate.
	No timber
	Mountainous land 80.04 ch.

See on notes No 1 page 129

	N. 0° 03' W. bet. Secs. 20 & 21.
	On gradual descent over rocky sidehills.
24.50	Bottom of Canon 750 ft. below Sec. Cor. Course N. E. ascend.
35.00	Top of ridge 200 ft. high, bears N. E. & S. W. descend.
40.00	Bottom of Canon. Set a sandstone 20 x 6 x 6 ins. 15 ins. in the ground for 1/4 Sec. Cor. marked 1/4 on W. face; and raise a mound of stone 2 ft. base 1½ ft. high W. of Cor. Pits impracticable.
41.50	Dry bed of Creek, 50 lks wide, 10 ft. deep, Course S. E.
41.60	Ditch, 3 lks wide 1 ft. deep, Course E.
44.54	Road, bears N. W. & S. E.
55.00	Outer brush, ascend gradually along West side of ravine

See on notes No 1 page 130

Chains.	
67.00	Rocky bluff, 25 ft. high, bears N.E. and S.W.
80.00	Set a Sandstone 16×10×8 ins. 11 ins. in the ground for Cor. of Secs. 16. 17. 20 and 21 marked with 3 notches on S. and 4 notches on E. edges; and raise a mound of Stone 2 ft. base 1½ ft. high W. of cor. Pits impracticable.
	Land, broken
	Soil, rocky; 4th. rate
	No timber, dense undergrowth on 25.00 chs.
	Mountainous land. 80.00 chs.

See corner Nº1 page 130

	S. 89°56' E. on a random line bet. Secs. 16 and 21
40.00	Set temp. ¼ Sec. Cor.
80.06	Intersect N. and S. line 5 lks. N. of cor. of Secs. 15. 16. 21 and 22.
	Thence I run
	N. 89°54' W. on a true line bet. Secs. 16 and 21.
	Ascend through oak brush and scattering cedars.
4.40	Top of ridge, 30 ft. above Sec. Cor., bears N.E. and S.W.
	descend 400 ft. to
18.90	Bottom of ravine, Course S. ascend 60 ft. to
19.50	Top of ridge bears N.E. and S.W. leave brush and Cedars. descend 300 ft. to
33.50	Bottom of Cañon, Course S.
34.70	Dry Wash; 60 lks. wide 15 ft. deep, Course S.E.
37.20	Leave Cañon. ascend
40.03	Set a Sandstone 30×20×8 ins. 24 ins. in the ground for ¼ Sec. Cor., marked ¼ on N. face; and raise a mound of Stone 2 ft. base 1½ ft. high N. of cor. Pits impracticable.
51.00	Coal Prospect bears S. 2.00 chs. dist.
60.00	Top of ridge, 500 ft. high, bears N. and S. descend
74.00	Bottom of ravine 600 ft. deep, Course S. ascend
80.06	The Cor. of Secs. 16. 17. 20. and 21.
	Land, broken.
	Soil, rocky; 4th rate.
	Timber Scattering Cedars.
	Mountainous land 80.06 chs.
	August 31. 1895

See corner Nº1 page 130

Subdivision of T. 13 S. R. 8 E. - Continued

Chains	N. 0° 03' W. bet. Secs. 16 & 17.
	Ascend gradually along West Side of ravine through dense brush
29.00	Head of Gulch, course S. E.
40.00	Set a Sandstone 20 x 14 x 10 ins. 15 ins. in the ground for 1/4 Sec. cor; marked 1/4 on W. face; and raise a mound of Stone 3 ft. base 1½ ft. high W. of Cor. Pits, impracticable.
41.50	Top of ridge, 700 ft. high. bears N. E. & S. W.
	descend leave brush, enter aspen.
52.00	Head of Gulch, Course W. ascend.
62.50	Top of ridge bears E & W. descend.
80.00	Set a Sandstone 18 x 14 x 8 ins. 12 ins. in the Ground for Cor. of Secs. 8. 9. 16 & 17, marked with 4 notches on S. & 4 notches on E. edges. And raise a mound of Stone 2 ft. base 1½ ft. high W. of Cor. Pits, impracticable.
	From which
	An aspen, 5 ins. diam. bears N 6° E. 4 lks dist. marked T 13 S R 8 E S 9. B. T. No other trees within limits. Land, broken.
	Soil, rocky; 4th. rate.
	Timber, Scattering aspen
	Mountainous Land, 80.00 Chs.
	S. 89° 54 E. on a random line bet. Secs. 9 & 16.
40.00	Set Temp. 1/4 Sec. Cor.
80.10	Intersect N. & S. line 10 Chs. N. of Cor. of Secs. 9. 10. 15 & 16
	Thence I run
	N. 89° 50' W. on a true line bet Secs. 9 & 16.
	Descend Steep mountain Side
3.50	Head of Gulch, Course S. W.
14.00	Bottom of ravine, 500 ft. deep, Course S. W. ascend enter oak brush.
36.50	Top of ridge, bears N. W. & S. E., descend.
40.05	Set a Sandstone 18 x 10 x 8 ins. 12 ins. in the Ground for 1/4 Sec. Cor. marked 1/4 on N. face; and raise a mound of Stone 2 ft. base 1½ ft. high N. of Cor. Pits, impracticable.

Chains.	
48.00	Bottom of canon 1000 ft. deep, course S. E. ascend
42.80	Top of ridge. bears N. and S. leave brush, descend
80.10	The cor. of Secs. 8. 9. 16 and 17.
	Land. broken.
	Soil, rocky; 4th rate.
	No timber, dense brush on 55.50 ch.
	Mountainous land. 80.10 chs.

N. 0°03' W. bet. Secs. 8 and 9.
On a gradual descent

25.48	A Balsam 12" diam on line, marked 2 notches on N. and S. sides. Enter timber,
31.00	Leave timber, enter brush.
32.00	Bottom of gulch course N. W. ascend
39.80	Leave brush
40.00	Set a Sandstone 16×12×4 ins. 11 ins. in the ground for 1/4 Sec. cor, marked 1/4 on W. face: and raise a mound of Stone 2 ft. base 1½ ft. high W. of cor. Pits impracticable.
44.00	Point of ridge 100 ft. above 1/4 Sec. cor. bears W. descend
48.00	Head of gulch course W. ascend
66.00	Top of ridge, bears N.E. and S.W. descend gradually 50 ft. to
80.00	Set a Sandstone 24×12×5 ins. 15 ins. in the ground for cor. of Secs. 4. 5. 8 and 9 marked with 5 notches on S. and 4 notches on E. edges; and raise a mound of Stone 2 ft. base 1½ ft. high W. of cor. Pits impracticable.
	Land. broken.
	Soil, rocky; 4th. rate.
	Timber, Scattering balsam.
	Mountainous Land 80.00 chs.

September 1.; At this corner I set off 8°11' E. on the decl. arc; and at 0 h. 0 min. M. L.M.T. observe the Sun on the meridian; the resulting Lat. is 39°42' N.

Subdivision of T. 13 S. R. 8 E. – Continued.

Chains.	
	S. 89° 50' E. on a random line bet. Sec. 4 and 9.
40.00	Set temp. 1/4 Sec. Cor.
80.04	Intersect N. and S. line 5 lks. S. of Cor of Sec. 3. 4. 9 and 10
	Thence I run
	N. 89° 32' W. on a true line bet. Sec. 4 and 9. On a Radual ascent. 300 ft. to.
20.00	Top of ridge, bears N. W. and S. E. descend through scattering Spruce and aspen
40.02	A pine tree 8 ins. diam, for 1/4 Sec. Cor. I marked 1/4 S. on N. side; dug pits 1 ft x 1 ft x 12 ins. E. and W. of Cor., 4 ft. dist.; and raised a mound of earth around tree.
55.50	Bottom of ravine Course N. W. ascend.
75.50	Top of ridge, bears N. and S. descend
94.00	Leave timber.
80.04	The Cor. of Secs 4. 5. 8 and 9.
	Land, broken.
	Soil, rocky; 4th. rate.
	Timber, Scattering Spruce and Aspen.
	Mountainous land, 80.04 Chs.

	N. 0° 03' W. on a random line bet Sec. 4 and 5
40.00	Set temp. 1/4 Sec. Cor.
79.90	Intersect the N. bdy. of the Tp. 8 Chs W. of Cor. of Secs. 4. 5. 32 and 33.
	Thence I run
	South on a true line bet. Sec. 4 and 5. Enter bottom.
0.30	Creek 8 lks. wide 1 ft. deep, Course E.
2.00	Leave bottom. enter timber ascend
6.00	Point of ridge bears N. E. Leave timber descend
12.00	Enter Canon, Course N. E.
13.10	Creek 5 lks wide 1 ft. deep, Course N. E.
14.50	Road, bears N. E. and S. W.
14.00	Leave Canon; ascend, enter timber
21.00	Point of ridge bears W. descend
23.00	Leave timber

Chains	
25.00	Bottom of ravine, course N. W. ascend
27.00	Enter timber.
39.90	Set a Sandstone 18×14×4 ins. 12 ins. in the ground for 1/4 Sec. Cor. marked 1/4 on W. face; from which A Spruce 8 ins. diam. bears N. 65° E. 10 lks. dist. marked 1/4 S. B.T. A Spruce 15 ins. diam. bears S. 20° W. 8 lks. dist. marked 1/4 S. B.T.
44.50	Leave timber.
66.00	Enter Aspen.
79.00	Leave aspen.
79.90	The cor. of Secs. 4. 5. 8 and 9. Land, broken. Soil, rocky; 4th. rate Timber, Scattering Spruce Pine and aspen. Mountainous land, 79.90 Chs. September. 1. 1895.

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From the Cor of Secs. 5. 6. 31 & 32 on the S. bdy. of the Tp. which is a Sandstone 15×15×6 ins. above Ground, marked and witnessed as described by the Surveyor General, I run
N 0° 03' W. bet Secs. 31 & 32
Enter dense undergrowth ascend

34.20	Top of ridge 400 ft. above Sec. Cor., bears E. and W. descend.
40.00	Set a Sandstone 16×12×8 ins. 11 ins. in the ground for 1/4 Sec. Cor., marked 1/4 on W. face and raise a mound of Stone 2 ft. base 1½ ft. high W. of Cor. Pits impracticable.
43.00	Head of Gulch, Course E. ascend.
49.50	Top of ridge bears E. and W. descend 400 ft.
54.40	Enter flat. Fence bears E. and W.
73.20	Fence. bears E. & W.
73.45	Leave flat, ascend.
79.50	Head of Gulch, Course S. E..
80.00	Set a Sandstone 18×16×10 ins. 12 ins. in the ground for Cor. of Secs. 29. 30. 31 and 32.

Chains.	
	marked with 1 notch on S. and 5 notches on E. edges; and raise a mound of Stones 2 ft. base 1½ ft. high N. of Cor. Pits impracticable.
	Land. broken.
	Soil, Gravelly & rocky; 4th rate
	No timber, dense Underwrowth on 80.00 chs.
	Mountainous land, 80.00 chs.
	East on a random line bet. Secs. 29 & 32.
40.00	Set temp. ¼ Sec. Cor
80.20	Intersect N. & S. line at cor. of Secs. 28, 29. 32 & 33
	Thence I run
	West on a true line bet. Secs. 29 & 32.
	Descend over broken ground through dense brush.
11.80	Bottom of Gulch 100 ft. below Sec. Cor. Course S. W. ascend
15.90	Top of rocky ridge 200 ft. high. bears N.E. and S. W. descend.
40.10	Bottom of Ravine, course S. E. Set a Sandstone 16×12×5 in. 11 ins. in the ground for ¼ Sec. Cor. marked ¼ on N. face; and raise a mound of Stone 2 ft base 1½ ft high N. of Cor. Pits impracticable.
43.30	Dry Wash. 50 chs wide 8 ft. deep, course S. E. ascend
55.20	Top of ridge, 400 ft high. bears N.W & S.E. descend 350 ft to
80.20	The Cor. of Secs. 29. 30. 31 & 32.
	Land broken
	Soil, rocky; 4th rate
	No timber, dense underwrowth on 80.20 ch.
	Mountainous land, 80.20 chs.
	S. 89°42' W. on a random line bet Secs. 30 & 31
40.00	Set temp ¼ Sec. Cor.
81.60	Intersect the W. bdy of Tp. 44.40 chs. S. of Cor. of Secs. 24 & 25 T. 13 S. R. 8 E. which is a Sandstone 10×12

See corrections notes page 1

	6 Chains. x 6 ins. above ground, marked & witnessed as described by the Surveyor General, Set a Sand Stone 16 x 8 x 5 ins 11 ins in the ground, for Closing Cor. of Secs. 30 & 31, marked C.C. on E., with 1 groove on S. & 5 Grooves on N. faces; and raise a mound of Stone 2 ft. base 1½ ft. high. E. of cor. Pits impracticable. Thence I run
	N. 89° 42' E. on a true line bet. Secs. 30 & 31. enter aspen, descend.
6.60	Leave aspen.
7.60	Bottom of gulch 300 ft. deep, course S. E. ascend
32.00	Point of ridge, rocky broken cliffs, bears N. W. descend 200 ft ±
41.60	Set a Sand Stone 24 x 14 x 9 ins. 15 ins. in the ground for ¼ Sec. Cor., marked ¼ on W. face; and raise a mound of Stone 2 ft. base 1½ ft. high W. of cor. Pits impracticable.
51.50	Bottom of gulch 400 ft. below ¼ Sec. cor., Course S. ascend gradually over broken side hills
76.50	Point of ridge, bears N. W. and S. E., descend
81.60	The Cor. of Secs. 29. 30. 31 & 32
	Land, broken.
	Soil, rocky and gravelly
	Timber, Scattering aspen.
	Mountainous land, 81.60 chs.
	September 2; At this Corner, I set off 4° 49' N. on the decl. arc; and at 0 hrs. 0 min. M. t. m.t., observe the Sun on the meridian; the resulting Lat is 39° 39' N.
	N. 0° 03' W. bet. Secs. 29 & 30
	Over broken ground, ascend
4.50	Sand Stone cliff 35 ft. high bears E. & W.
9.90	Sand Stone cliff 50 ft. high bears E. & W.
22.45	Top of ridge 1000 ft. above Sec. Cor. bears E. & W. descend
40.00	Set a Sand Stone 18 x 10 x 4 ins. 12 ins. in the ground for ¼ Sec. Cor., marked ¼ on W. face; and raise

See corrective notes page 4

Subdivision of T. 13 S. R. 8 E. - Continued.

Chains.	a mound of Stone 2 ft. base 1½ ft. high W. of Cor. Pit impracticable.
51.50	Bottom of ravine 600 ft. deep. Course E. ascend.
61.00	Point of ridge, bears N.W. descend Gradually along W. Side of Canon.
80.00	Set a Sandstone 18×12×5 ins. 12 ins. in the Ground. for Cor. of Secs. 19. 20. 29 & 30, marked with 2 notches on S. and 5 notches on E. edge; and raise a mound of Stone 2 ft. base 1½ ft. high W. of Cor. Pit impracticable.
	Land, broken.
	Soil, rocky; 4th rate.
	No timber.
	Mountainous land, 80.00 chs.
	September 2. 1895.
	East on a random line bet. Secs. 20 & 29.
40.00	Set temp. ¼ Sec. Cor.
80.36	Intersect N. & S. line at cor. of Secs. 20. 21. 28 & 29.
	Thence I run
	West on a true line bet. Secs. 20. & 29.
	On Gradual descent over broken ground.
.20	Enter Spruce.
2.00	Leave Spruce.
13.00	Bottom of ravine, 200 ft. below Sec. Cor. Course N. ascend.
24.00	Top of ridge 800 ft. high, bears N & S. descend
30.00	Enter Spruce.
34.00	Bottom of Canon 600 ft. deep, Course N. ascend
40.18	Set a Sandstone 18×12×6 ins. 12 ins. in the ground for ¼ Sec. Cor. marked ¼ on N. face; from which A Spruce 12" ins diam. bears S. 15° E. 16 lks. dist. marked, ¼ S. B.T.
	A Spruce 12 ins. diam. bears N. 65° E. 26 lks dist. marked ¼ S. B.T.
50.00	Top of ridge 800 ft. high, bears N.W. & S.E. descend. Leave Spruce, enter brush
74.00	Bottom of Canon 1000 ft. deep, Course S.E. ascend 200 ft to
80.36	The Cor. of Secs. 19. 20. 29 & 30.

Chain

Land broken.
Soil, rocky; 4th rate.
Timber, Spruce, on 21.50 ch.
Mountainous Land, 50.56 ch.

S. 59° 42' W. on a random line bet. Secs. 19 & 30.

40.00 Set temp. 1/4 Sec. Cor.

81.56 Intersect the W. bdy. of T. 4 S. 45 ch. S. of Cor. of Secs. 13 & 24 T. 13 S. R. 4 E., which is a Sandstone 12 x 15 x 6 ins. above ground, marked & witnessed as described by the Surveyor General.
Set a Sandstone 18 x 10 x 6 ins. 12 ins. in the ground for closing Cor. of Secs. 19 & 30, marked C C on E. with 2 grooves on S. and 4 grooves on N. faces; and raised a mound of Stone 2 ft. base 1½ ft. high. E. of Cor.
Pits impracticable.

Thence N. 59° 42' E. on a true line bet. Secs. 19 & 30.
enter brook, descend.

6.20 Bottom of Gulch 300 ft. below Sec. Cor. Course N. & E.

32.60 Top of ridge 600 ft. high, bears N.E. & S.W. descend 50 ft.

81.56 Set a Sandstone 16 x 12 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.
ascend

63.50 Top of ridge, bears N.W. & S.E. descend 600 ft. to

81.56 The Cor. of Secs. 19. 20. 29. & 30.

Land broken.
Soil, rocky; 4th rate.
No timber, dense brush on 81.56 ch.
Mountainous Land, 81.56 Ch.

N. 0° 03' W. bet. Secs. 19 & 20.
enter brush, ascend.

21.00 Bottom of Canon. Course S. E.

36.00 Top of ridge 600 ft. above Sec. Cor. bears E. & W.
descend.

40.00 Set a Sandstone, 18 x 12 x 6 ins. 12 ins. in the ground for 1/4 Sec. Cor. marked 1/4 on N. face, and raised a

Subdivision of T 13 S. R 8 E. - Continued.

Chains.	
	mound of Stone 2 ft. base 1½ ft. high, W. of Cor. Pits impracticable.
44.50	Head of gulch, Course N.W. ascend.
53.00	Top of ridge, bears N.W. & S.E. enter timber, descend
73.00	Enter Canon, 1000 ft. deep, Course N.E.
73.50	Creek, 4 lks. wide 1 ft. deep, Course N.E.
75.00	Road, bears N.E. & S.W. leave timber
76.00	Leave Canon, ascend 600 ft. to
80.00	Set a Sand Stone, 20 x 12 x 6 ins. 15 ins. in the ground for Cor. of Secs. 14, 15, 19 & 20, marked with 3 notches on S. & 5 notches on E. edge; and raise a mound of Stone 2 ft. base 1½ ft. high W. of Cor. Pits impracticable.
	Land broken
	Soil, Gravelly & rocky; 4th rate.
	Timber aspen on 22.00 chs. dense brush on 50.00 chs.
	Mountainous land, 80.00 chs.
	September 3; At this corner I set off 7° 24' E. on the decl. arc; and at 11 hrs. 59 mins. a.m. l.m.t. observe the Sun on the meridian; the resulting Lat. is 39° 41' N.

	East on a random line bet Secs. 14 & 20
40.00	Set temp. ¼ Sec. Cor.
80.34	Intersect N. & S. line 10 lks. S. of Cor. of Secs. 16, 17, 20 & 21
	Thence I run
	S. 89° 56' W. on a true line bet. Secs. 14 & 20.
	enter dense brush, ascend
8.20	Top of ridge, 600 ft. above Sec. Cor. bears N.E. & S.W. (leave brush) descend 1000 ft. to
26.50	Bottom of ravine, Course S.W. ascend
33.30	Top of rocky point, 100 ft. high, bears N. descend
35.50	Enter bottom and timber
37.30	Dry Wash, 40 lks. wide 6 ft. deep, Course S.
39.23	Road, bears N. & S.
40.14	Set a Sand Stone, 20 x 10 x 5 ins. 15 ins. in the ground for ¼ Sec. Cor. marked ¼ on N. face; and raise

Chains.	
	a mound of Stone 2 ft. base 1½ ft. high, N. of Cor. Pits impracticable.
42.00	N. fork of Gordon Creek. 10 lks. wide 1 ft. deep. Course S.
42.30	Leave bottom, ascend in dense undergrowth,
65.00	Top of ridge 200 ft. high, bears N. & S. descend
71.00	Enter Canon
71.34	Creek, 5 lks wide 6 ins deep. Course N.E.
72.64	Road, bears N.E. & S.W. Leave timber.
73.60	Leave Canon, ascend 600 ft. E
80.34	The Cor. of Secs. 17. 18. 19 & 20. Land, broken Soil, Gravelly & rocky; 3rd & 4th rate Timber Spruce & aspen on 36.80 chs. dense brush on 46.34 ch. Mountainous Land, 80.34 chs.

	S 59° 42' W. on a random line bet. Secs. 18 & 19.
40.00	Set temp. ¼ Sec. Cor.
81.50	Intersect the W. bdy. of Tp. 46. 50 ch. S. of Cor of Secs. 12 & 13 T 13 S. R 4 E. which is a Sandstone 6 x 6 x 4 ins above Ground marked & witnessed as described by the Surveyor General Set a Sandstone 18 x 12 x 9 ins. 12 ins. in the Ground for closing Cor. of Secs. 18 & 19, marked C.C. on E. with 3 Grooves on S. & N. faces; and raised a mound of Stone 2 ft. base 1½ ft. high E. of Cor. Pits impracticable. Thence I run N. 89° 42' E. on a true line bet. Secs. 18 & 19. Descend through aspen.
1.00	Point of Ridge, bears N.E. & S.W. descend,
7.00	Bottom of Gulch, Course N.E. ascend.
36.50	Leave aspen.
41.50	Set a Sandstone, 24 x 19 x 9 ins. 18 ins. in the Ground for ¼ Sec. Cor. marked ¼ on N. face; and raise a mound of Stone 2 ft. base 1½ ft. high N. of Cor. Pits impracticable.
48.50	Top of ridge 500 ft. high, bears N.E. & S.W. descend
49.50	Enter Creek
62.00	Leave Creek,

See correction on page 243

Subdivision of T. 13 S. R. 6 E. – Continued.

Chains.	
81.50	The Cor. of Secs. 17, 18, 19, and 20 Land, broken. Soil, rocky; 4th rate. Timber, aspen on 36.50 chs. dense brush on 12.50 chs. Mountainous land, 81.50 chs. September 3, 1895
	N. 0°03' W. bet. Secs. 17 and 18. Enter dense brush, ascend 600 ft. to
11.20	Top of ridge, bears E. and W. enter timber; descend.
25.40	Bottom of Cañon 1000 ft. deep, Course E. Creek 2 chs. wide 1½ ft. deep, Course E. ascend.
26.42	Aspen 8 ins. diam. on line, leave timber
26.80	Trail, bears E. and W.
39.90	Top of ridge 800 ft. high, bears N.W. & S.E.
40.00	Descend. Set a Sandstone 16×8×6 ins. 11 ins. in the ground for 1/4 Sec. Cor. marked 1/4 on W. face; and raised a mound of Stones 2 ft. base 1½ ft. high W. of Cor. Pits impracticable.
40.10	Wagon road, bears N.W. and S.E.
45.40	Same road, bears N.W. and S.E.
59.00	Same road, in bottom of Cañon, Course S.E. ascend
80.00	Set a Sandstone 18×10×6 ins. 12 ins. in the ground for Cor. of Secs. 7, 8, 17 and 18, marked with 4 notches on S. and 5 notches on E. edges; and raised a mound of Stone 2 ft. base 1½ ft. high W. of Cor. Pits impracticable. Land, broken Soil, rocky; 4th rate. Timber aspen and Spruce, on 15.52 ch. dense brush on 80.00 chs. Mountainous land, 80.00 chs.
	N. 89°56' E. on a random line bet. Secs. 8 and 17.

Chains	
40.00	Set temp. 1/4 Sec. Cor.
80.20	On West N. & S. line 10 Lks. S. of Cor. of Secs. 8, 9, 16 & 17. Thence I run S. 89° 52' W. on a true line bet. Secs. 8 & 17. Enter brush, ascend
7.50	Top of ridge 100 ft. above Sec. Cor. bears N. & S. descend.
20.20	Head of Canon, Course S. W. ascend.
36.00	Top of ridge 700 ft. high, bears N.E. & S.W. descend
40.10	200 ft. below ridge. Set a Sandstone 18 x 12 x 6 12 ins. in the ground for 1/4 Sec. Cor. marked 1/4 on N. face; and raise a mound of Stone 2 ft. base 1½ ft. high. N. of Cor. Pits impracticable.
49.00	Bottom of ravine 500 ft. below 1/4 Sec. Cor. Course S. ascend
54.50	Top of ridge 200 ft. high, bears N. & S. descend
59.00	Bottom of ravine, Course S. ascend
69.50	Top of ridge 500 ft. high, bears N. & S. descend 200 ft. to
80.20	The Cor. of Secs. 4, 5, 16 & 17. Land broken Soil, Gravelly & rocky; 4th rate. No timber, dense brush on 80.20 chs. Mountainous land, 80.20 chs.

September 4; At this Corner I set off 4° 05' N. on the declination arc; and at 11 h. 59 min a.m. l.m.t. observe the Sun on the meridian; the resulting lat is 39° 41' N. which is 0'.4 more than the Corner lat.

S. 89° 42' W. on a random line bet. Secs. 4 and 18.

40.00	Set temp. 1/4 Sec. Cor.
81.44	Intersect the W. bdy. of Tp. 4 N. 76 chs. S. of Cor. of Secs. 1 & 12 T. 13 S. R. 6 E., which is a Sandstone 8 x 15 x 6 ins. above ground, marked and witnessed as described by the Surveyor General. Set a Sandstone 14 x 10 x 6 ins. 9 ins. in the ground for closing Cor. of Secs. 4 and 18, marked C.C. on E., with 4 grooves on S. and 2 grooves on

Corrected to page 3

Subdivision of T. 13 S. R. 8 E. - Continued.

Chains.		
	N. face; and raise a mound of Stones 2 ft. base 1½ ft. high E. of Cor. "Pits impracticable." Thence I run	
	N. 89°42' E. on a true line bet. Secs. 7 and 18.	
4.00	Outer bottom and brush. leave aspens.	
4.50	Creek. 5 lks. wide, 1 ft. deep, Course S. E.	
10.00	Leave bottom, ascend	
17.50	Outer bottom and timber	
28.30	Same Creek, Course N. E. 10 links wide	
30.00	Leave bottom and brush, ascend	See corrective notes page 3
41.44	An aspen tree, 6 ins. diam. for ¼ Sec. cor. I mark ¼ S. on N. Side; from which An aspen 6 ins. diam. bears N. 6 lks. dist. marked ¼ S. B.T. An aspen 8 ins. diam. bears S. 1° E. 16 lks. dist. marked ¼ S. B.T. descend.	
44.50	Outer bottom	
45.84	Same Creek, Course S. 10 lks wide	
47.25	Road, bears N. and S. leave timber.	
48.64	Same Creek, Course N. E. ascend	
57.50	Top of ridge, 100 ft. high. bears N. E. and S. W. descend	
61.00	Outer brush	
68.00	Same Creek, taken over ridges, Course S 15 lks wide ascend 100 ft. to	
81.44	The Cor. of Secs. 7. 8. 17 and 18. Land, broken Soil, gravelly and rocky; 4th rate Timber, aspen and spruce, Dense brush on 46.44 chs. Mountainous land, 81.44 chs.	
	N. 0°03' W. bet. Secs. 7 and 8. Outer brush, ascend	
4.60	Top of ridge, 200 ft. above Sec. cor., bears N. E. and S. W. descend.	
11.00	Spring branch, 6 lks. wide, 5 ins. deep, Course E.	
12.40	Road, bears E and W. ascend.	
19.00	Point of ridge, bears N. W. and S. E. descend.	
24.80	Bottom of Gulch, Course S. E. ascend	

Chains.	
38.00	Top of ridge, 500 ft. high, bears E. & W. descend.
40.00	Set a Sandstone 18×12×6 ins. 12 ins. in the ground for 1/4 Sec. Cor. marked 1/4 on W. face; and raise a mound of Stone 2 ft. base 1/2 ft. high, W. of Cor. Pits impracticable.
50.00	Enter Spruce.
62.00	Bottom of ravine 800 ft. below 1/4 Sec. Cor. Course E. leave Spruce. ascend.
74.50	Top of ridge. 800 ft. high, bears N.W. & S.E. leave brush, descend 100 ft. to
80.00	Set a Sandstone, 20×12×10 ins. 15 ins. in the ground for Cor. of Secs. 5. 6. 7. & 8, marked with 5 notches on S. & E. edges; & raise a mound of Stone 2 ft. base 1/2 ft. high W. of cor. Pits impracticable.

Land broken.
Soil, rocky; 4th. rate.
Timber, Spruce on 12.00 Chs. dense brush on 74.50 Chs.
Mountainous land, 80.00 Chs.
September 4. 1895.

N. 89° 52' E. on a random line bet. Secs. 5 & 8.

40.00	Set temp. 1/4 Sec. cor.
80.24	Intersect N. & S. line 12 lks. N. of cor. of Secs. 4. 5. 8 & 9.

Thence I run
S. 89° 57' W. on a true line bet. Secs. 5 & 8.
On rocky descent

5.90	Enter brush.
15.70	Leave brush, enter Canon.
19.44	Creek, 5 lks. wide, 1 ft. deep, Course N.E.
19.75	Road, bears N.E. & S.W.
21.50	Leave Canon, enter brush, ascend.
30.20	Point of ridge, bears N.W.
40.12	Set a Sandstone 18×8×4 ins. 12 ins. in the ground for 1/4 Sec. Cor. marked 1/4 on N. face; and raise a mound of Stone, 2 ft. base 1/2 ft. high N. of Cor. Pits impracticable.
42.50	Hollow, drains S. ascend.

Chains.	
60.00	Top of ridge, bears N.E. and S.W. descend
79.00	Leave brush.
80.24	The cor. of Secs. 5. 6. 7 and 8.
	Land, broken.
	Soil, rocky; 4th. rate.
	No timber, dense brush on 68.50 ch.
	Mountainous land, 80.24 ch.
	S. 89° 42' W. on a random line bet. Sec. 6 and 7
40.00	Set temp. 1/4 Sec. cor.
81.40	Intersect W. bdy. of Tp. 49.10 chs. S. of cor. of Tps. 12 and 13 S. R. 7 E. which is a sandstone 6 x 14 x 8 ins. above ground marked and witnessed as described by the Surveyor General.
	Set a Sandstone, 18 x 10 x 7 ins. 12 ins. in the ground for closing cor. of Secs. 5 and 6, marked with C. C. on E. and 5 Roove on S. and 1 Roove on N. face; and raise a mound of Stone 2 ft. base 1½ ft. high E. of cor. Pits impracticable.
	Thence run
	N. 89° 42' E. on a true line bet. Secs. 6 and 7.
	On Steep descend, cutting brush.
6.00	Enter Canon, Course N. E.
10.80	Creek, 3 lks. wide 1½ ft. deep Course N. E.
12.50	Leave Canon ascend
32.00	Top of ridge 200 ft. above Sec. cor. bears N.E. and S.W. Descend
41.40	Set a Sandstone, 18 x 8 x 6 ins. 12 ins. in the ground for 1/4 Sec. Cor. marked 1/4 on N. face; and raise a mound of Stone 2 ft. base 1½ ft. high N. of cor. Pits impracticable.
52.50	Head of ravine, Course S.E. ascend
55.00	Leave brush.
74.50	Top of ridge, bears N.W. and S.E. descend 100 ft. to
81.40	The cor. of Secs. 5. 6. 7 and 8.
	Land, broken.
	Soil, rocky; 4th. rate.

See correction on page 4

Chains.	
	No timber, Dense brush on 55 chains. Mountainous Land. 81.40 Chs.
	September 5; At this corner I set off 6°42' N. on the dec. arc; and at 11 hr. 59 min a.m. l.m.t., observe the Sun on the meridian; the resulting lat. is 39°42' N.
	N. 0°03' W. on a random line bet. Secs. 5 & 6
40.00	Sch Leng 1/4 Sec. Cor.
80.00	Intersect N. bdy. of T. 6 S. 4 Chs. W. of Cor. of Secs. 5. 6. 31. and 32
	Thence I run
	South on a true line bet. Secs. 5 and 6.
	Enter brush. descend.
3.90	Bottom of Canon, Creek 5 Lks wide 6 in deep, Course N. E. ascend in Spruce & aspen.
36.00	Top of ridge, 500 ft. high, Cours N. E & S. W. descend.
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
	An aspen 15 ins. diam. bears S. 5° W. 35 Lks. dist. marked, 1/4 S. B. T.
	An aspen 8 ins. diam. bears N. 7° E. 10 Lks. dist. marked 1/4 S. B. T.
49.50	Spring Branch, in bottom of Canon, 3 Lks wide, 6 ins deep. Course N. E. ascend 600 ft. to
64.50	Leave timber & brush
80.00	The Cor of Secs. 5. 6. 4 & 8.
	Sand, broken.
	Soil, rocky. 4th. rate
	Timber, Scattering Spruce & aspen. dense brush on 64.50 Chs.
	Mountainous Land 80.00 Chs.
	September 5. 1895.

Subdivision of T. 13. S. R. 8 E. Continued.

General Description.

This township is nearly all high mountains. The soil along the North Fork of Gordon Creek, which runs Southeasterly across the township, and along the streams in the northwesterly part of the township, is generally rich, black loam, capable of producing abundant crops by the aid of irrigation, but on account of the elevation above sea level (which is about 6500 ft.) only the most hardy vegetables and early maturing cereals are grown. The mountains are covered with a luxuriant growth of grasses, and scattering Aspen, pine, spruce and cedar timber.

This township is well watered by small streams and springs which flow all the year.

The rocks in place are sandstone, through which are layers of bituminous coal, which comes to the surface in the S.E¼ Sec. 17. S½ Secs 15 & 16. S.W¼ Sec. 14. Sec. 20. S.E¼ Sec. 19. W½ & N.E¼ Sec. 21. N½ Sec. 22. W½ Sec. 23. N½ Sec. 29. E½ Sec. 30 & S.E¼ Sec. 31. No other mineral is found in the township.

W. Thyne has a house & Corrals, with some land under cultivation in Secs 21 & 28.

E. Pratt has a house & fencing in Sec. 26.

None of the applicants for Survey are at present residing in this township, and their present places of residence are unknown to me —

Chas. Grames has a cabin in the N.E.¼ Sec 34.

John T. Breckon.
U. S. Deputy Surveyor —

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List of Names.

A list of the names of the individuals employed by John T. Breckon, U. S. Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the survey of the Exterior boundaries and Subdivisions of T. 13 S. R. 8 E. of the

Salt Lake Base and Meridian, in Utah, showing the respective capacities in which they acted:

Harry H. Atkinson Axeman

Final Oath of Assistants:

~~We~~ I hereby certify that ~~we~~ I assisted John T. Breckon, U. S. Deputy Surveyor, in surveying all those parts or portions of the Exterior boundaries and Subdivisions of T. 13 S. R. 8 E. of the

Salt Lake Base and Meridian, Utah, as 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~~ my knowledge and belief, well and faithfully surveyed, and the corner monuments established, according to the instructions furnished by the U. S. Surveyor General for Utah.

Harry H. Atkinson
Axeman

Subscribed and sworn to before me this 31st day of December, 1895

SEAL

Henry H. M. Atkinson
Notary Public

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My Commission expires Mch 14-1876.

Final Oath of U. S. Deputy Surveyor.

I, ..., U. S. Deputy Surveyor, do solemnly swear that, in pursuance of instructions received from ....., U. S. Surveyor General for ....., bearing date of the ..... day of ....., 18 , I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the U. S. Surveyor General for ....., the surveying manual, and the laws of the United States, surveyed all those parts or portions of .....

.....

.....

.....

.....

..... Meridian, in the ....., as are represented in the going field notes as having been surveyed by me, and under my directions; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the surveying manual printed instructions, the special written instructions of the U. S. Surveyor General for ..... and in the specific manner described in the field notes, and that the foregoing are the true 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.

.....

U. S. Deputy Surveyor.

Subscribed and sworn to before me this .....
day of ....., 18 .

SEAL

.....

.....

Approval.

Office of the U. S. Surveyor General,

Salt Lake City, Utah June 30th, 1896.

The foregoing field notes of the survey of the Subdivision of Township 13 South Range 8 East of the Salt Lake Bas Meridian, Utah

.....

.....

.....

.....

..... executed

John T. Breckon

under his Contract No. 199, dated March 5th, 1895 having been examined, the necessary corrections and explanations made, the said field notes, and the surveys they describe, hereby approved.

George W. Snow

U. S. 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.

.....

U. S. Surveyor General.

6—151

(4—679.)

N.T.B.

Corrective

FIELD NOTES

OF THE SURVEY OF

Part of the

Subdivisions of T. 13 S., R. 3 E.

Of the Salt Lake Meridian,

State of Idaho

AS SURVEYED BY

John T. Nicholson, U. S. Deputy Surveyor,

Under his Contract No. 127, dated March 5th 1895.

& instructions dated May 1st 1896

Survey commenced January 24th, 1896.

Survey completed January 24th, 1896.

(1203—2,000.)

Names and Duties of Assistants.

John R. Bennett Chairman

J. R. E. Carleton Chairman

BOOK A-244

INDEX DIAGRAM.

Township 15 S. , *Range* 8 E.

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Meanders Page .....

Preliminary Oaths of Assistants.

WE, John R. Bennett
G. R. E. Carleton

do solemnly swear that we will well and faithfully execute the duties of chain carriers; 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 distance 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~~ part of the Subdivisions of T. 13 S. R. 8 E.

John R Bennett, Chainman.
G. R. E. Carleton, Chainman.
_____, Chainman.
_____, Chainman.

Subscribed and sworn to before me this 22nd day of June, 1896.

John T. Breckon
U.S. Deputy Surveyor

WE, _____

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

Subscribed and sworn to before me this _____ day of _____, 18 .

_____, Axeman.
_____, Axeman.

Subdivision of T. 13. S. R. 8. E.

Survey commenced June 24th 1896. and executed with Purley Mountain transit with Solar attachment same as used on balance of survey under this contract.

June 24-1896. At 8h 10m A.M. l.m.t. I set off 39° 39' N. on the lat. arc. 23° 24' N. on the decl. arc; and determine a true meridian at the cor. to Secs 29. 30. 31 & 32.
Thence I run
S 89° 42' W. on a random line bet. Secs 30 & 31.

40.00 Set temporary 1/4 Sec. Cor.
81.60 Intersect W. bdy of township 14. lks S. of cor. to Secs 25. 30. 31 & 36.
thence I run
N 89° 48' E. bet. Secs 30 & 31
Enter aspen, descend.
6.60 Leave aspen
7.60 Bottom of Cañon 300 ft. deep. course S. E. Ascend.
32.00 Point of ridge, rocky broken cliffs. 200 ft. above Cañon. descend.
41.60 Set a sandstone 24 x 14 x 9 ins. 18 ins. in the ground for 1/4 Sec. Cor. marked 1/4 on N. face; and raise a mound of stone 2 ft. base, 1½ ft. high. N. of cor. Pits impracticable.
51.50 Bottom of gulch 400 ft. below 1/4 cor. Course S. Ascend gradually over broken sides hill.
76.50 Point of ridge, bears N.W. & S.E. Descend
81.60 The cor. to Secs 29. 30. 31 & 32.
Land. broken.
Soil. Gravelly & rocky 4th rate.
Timber. Aspen. dense undergrowth on 81.60 chs.
Mountainous land on 81.60 chains.

Subdivisions of T. 1 S. R. 8. E. Continued.

ans.
From the cor. to Secs 19. 20. 29 & 30 I run
S 89°. 48' W. on a random line bet: Secs 19 & 30
40.00 Set temporary 1/4 Sec. Cor.
81.56 Intersect W. bdy of Lot 28 lks S. of cor. to
Secs 19. 24. 25 & 30
Thence I run
East bet: Secs 19 & 30
Enter brush, descend
6.20 Bottom of gulch. 300 ft: below Sec. Cor. Course
N. E. ascend,
32.60 Top of ridge 600 ft: high, bears N. E. & S. W.
descend. 150 ft
41.56 Set a Sandstone 16 x 12 x 8 ins. 11 ins. in the
ground for 1/4 Sec. Cor. marked 1/4 on N. face,
and raised a mound of stone 2 ft: base,
1½ ft: high. N. of cor. Pits impracticable.
Ascend,
63.50 Top of ridge, bears N. W. & S. E. descend 800
ft: to
81.56 The cor. to Secs 19. 20. 29 & 30.
Land, broken,
Soil, Rocky, 4th rate.
No timber, dense brush on 81.56 chains.
Mountainous land on 81.56 chains.

From the cor. to Secs 17. 18. 19 & 20 I run
West on a random line bet: Secs 18 & 19.
40.00 Set temporary 1/4 Sec. Cor.
81.50 Intersect W. bdy. of Lot 5 lks S. of cor. to Secs
13. 18. 19 & 24.
Thence I run
S 89°. 58' E. bet: Secs 18 & 19.
Enter aspen, and descend,
7.00 Bottom of Ravine. 150 ft: below Sec. Cor.
ascend,
37.00 Leave aspen
41.50 Set a Sandstone 24 x 19 x 9 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,
1½ ft: high, N. of cor. Pits impracticable.
48.50 Top of ridge 500 ft: high, bears N. E & S. W.

Subdivision of T.13.S.R.8.E. Continued

Chains	
	descend,
49.50	Enter brush.
62.00	Leave brush,
81.50	The cor. to Sec's 17.18.19 & 20.
	Land broken,
	Soil, Rocky 4th rate,
	Timber Aspen on 57. chains, Dense brush on 12.50 chains.
	Mountainous land on 81.50 chains.
	From the cor. to Sec's 7.8.17 & 18. I run N 89°.58' W. on a random line bet. Sec's 7 & 18.
40.00	Set temporary 1/4 Sec. Cor.
41.44	Intersect W. bdy of tp 19 lks S. of cor. to Sec's 7.12.13 & 18.
	Thence I run
	S 89°.50' E. bet. Sec's 7 & 18.
	Enter aspens and brush descend 50 ft. to
4.00	Enter bottom & willows. Leave aspens.
4.50	Branch of Beaver Creek 10 lks wide, 6 ins. deep, flows S.E.
12.20	Road, bears N.E. & S.W. on gradual ascent
17.50	Enter bottom, timber
28.30	Same Creek 10 lks wide, 6 ins deep, flows N.E.
30.00	Leave bottom & willows, ascend in aspens & Spruce,
41.44	An aspen tree 6 ins. in diam. for 1/4 Sec. Cor. marked 1/4 S. on N. face; from which
	An aspen 6 ins. in diam. bears North 6 lks dist; marked 1/4 S. B.T.
	An aspen 8 ins. in diam. bears S 1° E. 16 lks dist; marked 1/4 S. B.T.
	Descend,
44.50	Enter bottom,
45.84	Same creek 10 lks wide, flows S.E.
47.25	Road, bears N & S. Leave timber & brush
48.64	Same Creek, 10 lks wide, flows N.E. ascend,
57.50	Top of ridge, bears N E & S.W. descend
61.00	Enter brush,
68.00	Same creek, taken over ridge to N. Fork of Gordon Creek, courses S. 15 lks wide, flows S. ascend 100 ft. to

Subdivision of T. 13. S. R. 8. E. Continued

rains
81.44 The cor. to Secs 7. 8. 17 & 18.
Land, broken,
Soil. Gravelly & Rocky, 4th rate.
Timber, Aspen & Spruce. dense brush on 46.44 chains.
Mountainous land on 81.44 chains.

From the cor. to Secs 5. 6. 7 & 8. I run N 89°.50' W. on a random line bet: Secs 6 & 7.
40.00 Set temporary 1/4 Sec. Cor.
81.40 Intersect W. bdy of Tp at cor. to Secs 1. 6. 7 & 12.
thence I run
S 89°.50' E. bet: Secs 6 & 7.
Enter aspen brush. descend 100 ft: to
6.00 Enter Cañon, branch of Beaver Creek,
10.8 Creek 8 lks wide, 6 ins. deep. flows N. E.
12.50 Leave Cañon, ascend 300 ft: to
32.00 Top of ridge, bears N E & S W. descend
41.40 Set a sandstone 18 x 8 x 6 ins, 12 ins. in the ground for 1/4 Sec. Cor. marked 1/4 on N. face; and raised a mound of stone 2 ft: base, 1' high. N. of Cor. Pits impracticable.
52.50 Head of Ravine, course S. E. ascend,
55.00 Leave brush,
74.50 Top of ridge, bears N W & S. E. descend 100 ft: to
81.40 The cor. to Secs 5. 6. 7 & 8.
Land, broken,
Soil. Rocky 4th rate.
No timber, dense brush on 55. chains,
Mountainous land on 81.40 chains.

June 2 - 18 6

Note - As there was no Notary Public or other officer capable of administering oaths to my assistants within a distance of 25 miles, in order to save time and expense, I tered the same myself -

John T. Breckon
U.S. Deputy Surveyor -

List of Names.

A list of the names of the individuals employed by John T. Bruckson, U.S. Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the survey of ~~the~~ part of the subdivision of T. 1 S. R. 1 E. of the Salt Lake Base and Meridian, in Utah, showing the respective capacities in which they acted:

John K. Burnett Chainman
U. S. R. E. Carleton Chainman

Final Oath of Assistants:

We hereby certify that we assisted John T. Bruckson, U. S. Deputy Surveyor, in surveying all those parts or portions of the subdivision of T. 1 S. R. 1 E. of the Salt Lake Base and Meridian, Utah, as 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 U. S. Surveyor General for Utah

John R. Burnett Chainman
G. R. E. Carleton Chainman

Subscribed and sworn to before me this 25th day of June, 1876

SEAL

John T. Bruckson
U.S. Deputy Surveyor

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Final Oath of U. S. Deputy Surveyor.

I, John T. Brockson, U. S. Deputy Surveyor, do solemnly swear that, in pursuance of instructions received from George W. Sowers, U. S. Surveyor General for Utah, bearing date of the 1st day of May, 1896, I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the U. S. Surveyor General for Utah, the surveying manual, and the laws of the United States, surveyed all those parts or portions of the Subdivisions of T. 1 S. R. 8. E. of the Salt Lake Base and Meridian, in the State of Utah, as are represented in the foregoing field notes as having been surveyed by me, and under my directions; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the surveying manual, printed instructions, the special written instructions of the U. S. Surveyor General for Utah and in the specific manner described in the field notes, and that the foregoing are the true field notes of such survey and should any fraud be detected, I will suffer the penalty of perjury under the provisions of an Act of Congress approved August 8, 1846.

John T. Brockson
U. S. Deputy Surveyor.

Subscribed and sworn to before me this 30th day of June, 1896.

SEAL

George W. Sowers
U.S. Surveyor Gl

Approval.

Office of the U. S. Surveyor General,
Salt Lake City, Utah, June 30th, 1896.

The foregoing field notes of the survey of the subdivision lines in Tp 1 S R 8 E of the Salt Lake Base & Mer Utah

executed by John T Brockson under his Contract No. 19, dated March 5th, 1895, having been critically examined, the necessary corrections and explanations made, the said field notes, and the surveys they describe, hereby approved.

George W Sowers
U. S. 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.

_____
U. S. Surveyor General.

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K.J.B.

Corrective

FIELD NOTES

OF THE SURVEY OF

Subdivisions of T13S. R.6.E.

Of the Salt Lake Base Meridian,

State of Utah

AS SURVEYED BY

John T. Breckons, United States Deputy Surveyor,

Under his Contract No. 199, dated March 5th, 1895
& Non Comp Letter E dated Sept 5, 1896

Survey commenced June 4", 189 7

Survey completed June 7", 189 7

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Names and Duties of Assistants.

C. R. Thomson ..... Chainman

Harry H. Atkinson ..... Chainman

A. E. Laraway ..... Axeman & Woundsman

BOOK A-244

INDEX DIAGRAM.

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Meanders Page.....

Preliminary Oaths of Assistants.

We, Harry H. Atkinson and C. R. Thomson,

do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level chain upon even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; we will report the true distances to all notable objects, and the true lengths of all lines that we assist measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey Subdivisions of T. 1 S. R. 8 E. T. 1 S. R. 11 E. & T. 16 S. R. 10 E.

Harry H. Atkinson, Chain

C. R. Thomson, Chain.

Subscribed and sworn to before me this 2nd day of June, 1897

SEAL

M. E. McEnaney
Notary Public

We, I, A. E. Laraway 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 Subdivisions of T. 1 S. R. 8 E. T. 1 S. R. 11 E. & T. 16 S. R. 10 & 11 E.

A. E. Laraway, Mound.

, Moundm

Subscribed and sworn to before me this 2nd day of June, 1897

SEAL

M. E. McEnaney
Notary Public

We, I, A. E. Laraway and

do solemnly swear that we will well and truly perform the duties of axmen in the establishment of c and other duties, according to instructions given us, to the best of our skill and ability, in the survey Subdivisions of T. 1 S. R. 8 E. T. 1 S. R. 11 E. & T. 16 S. R. 10 & 11 E.

A. E. Laraway, Axm

, A

Subscribed and sworn to before me this 2nd day of June, 1897

SEAL

M. E. McEnaney
Notary Public

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

, Flagm

Subscribed and sworn to before me this day of , 189

SEAL

c—151

Subdivision of T. 15 S. R. 8 E.

Survey commenced June 3rd 1897 and executed with a Gurley Mountain transit with solar attachment. The horizontal limb is provided with two double verniers placed opposite each other, reading to single minutes of arc, which is also the least count of the verniers of the latitude and declination arcs. I examine the adjustments of the transit, and correct the level and collimation errors; then to test the solar apparatus, by comparing its indications, resulting from solar observations made during A. M. and P. M. hours, with a true meridian determined by observations on Polaris, I proceed as follows;

At the Cor. to Secs 13 & 14 & 18 & 19 E. lat. 39° 38' N. longitude 111° 00' W. I set off 39° 38' on the lat. arc; 22° 27' on the decl. arc; and at 4h 30m P. M. l. m. t. determined 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. June 3. 1897.

June 4. 1897. At 1h 54m A. M. l. m. t. I observe Polaris at its eastern elongation, in accordance with Manual of Instructions and mark a point in the line thus determined on a hub driven in the ground 5 chs N. of my station.

At 6h 50m A. M. l. m. t. I lay off the azimuth of Polaris 1° 57' to the west and mark the true meridian thus determined by cutting a small groove in the stone set June 3rd on which the true meridian falls 0.2 ins west of the mark determined by the solar. At 8h A. M. l. m. t. I set off 39° 38' on the lat. arc; 22° 31' on the decl. arc; & mark a point in the true meridian determined by the solar, by a groove on the stone already set 5 chs N. of my station. This mark falls 0.4 ins west of the true meridian

Subdivision of T. 13. S. R. 8. E. Continued

Chains established by the Polaris observation.
The solar apparatus by P. M. and A. M. observations defines positions for true meridians, respectively about 0°.11' east and 0°.21" west of the meridian established by the Polaris observations, therefore I conclude that the adjustments of the instrument are satisfactory.
The magnetic bearing of the true meridian at 8.30 A.M. is 16°.13' W. the angle thus determined reduced by the table, page 100. gives the mean mag. decl 16°.08' E.

June 5th At 7h 30m A.M. C.M.T. I set off 39°.38' on the lat. arc; 22°.38' N. on the decl. arc; and determine a true meridian with the solar at the Cor. to Secs 2.3.34 & 35

thence I run
N 0°.01' W bet. secs 34 & 35
Ascend in scattering cedars
7.00 Top of ridge 40 ft. above Sec. Cor. bears N.W. & S.E. descend
25.50 Enter bottom, 200 ft. below top of ridge.
29.90 Creek 10 lks wide. 6 ins. deep. course S.E.
30.00 Enter field. leave cedars
39.15 leave field. ascend in scattering cedars.
40.00 Old cor. bears N 73° W. 37 lks. destroyed same set a Sandstone 22×16×14 ins. 16 ins. in the ground for 1/4 Sec. Cor. marked 1/4 on W. face; and raised a mound of stone 2 ft. base. 1 1/2 ft. high. W. of Cor. Pits impracticable. Chas. Grames cabin bears N 35° W. about 15 chains.
ascend rocky ridge 150 ft. to
47.00 Top of ridge bears N.W. & S.E. gradual ascent over flat
50.00 Leave Cedars.
79.63 Fence bears E & W. enter field.
80.50 The cor. to secs 26.27.34 & 35 which is a sandstone 8×12×8 ins. above ground.

Subdivision of T. 13. S. R. 8. E. continued.

Chains	
	marked with 1 notch on S. and 2 notches on E. edges, with mound of stone 2 ft. base 1½ ft. high. W. of Cor.
	Land broken.
	Soil. Rocky & gravelly 4th rate.
	Timber. Scattering Cedars.
	Mountainous land 80 chains.
	East on a random line bet. Secs 26 & 35
40.00	Set temporary ¼ Sec. Cor.
79.84	Intersect N. & S. line 5 lks N. of Cor. to Secs 25. 26. 35 & 36.
	thence I run
	N 89°.58' W. on a true line bet. Secs 26 & 35.
	Descend in scattering Cedars.
12.35	Dry wash 50 lks wide 10 ft. deep. in bottom of Gulch. 40 ft. below Sec. Cor. course S. ascend
29.30	Top of ridge 100 ft. high. bears N & S. descend.
30.80	Bottom of gulch. course S. E. ascend
35.50	Top of ridge, 100 ft. high. bears N & S. descend.
38.30	Bottom of ravine, course S. W. ascend.
39.92	Old ¼ Sec. Cor. bears S 14 lks. dist. destroyed same. and Set a sandstone 20×12×8 ins. 15 ins. in the ground for ¼ Sec. Cor. marked ¼ on N. face. and raised a mound of stone 2 ft. base, 1½ ft. high. N. of Cor. Pits impracticable.
40.30	Ridge. bears S. 20 ft. high. descend.
41.30	Enter Cañon.
46.65	Dry wash 50 lks wide 2 ft. deep. in Cañon course S. E. ascend.
49.80	Leave Cedars, ascend gradually over flat.
56.50	Road. bears N. W. & S. E.
57.94	Fence. bears N. & S. enter field.
62.89	Fence. bears N. W. & S. E. leave field.
65.00	Dry wash 2.00 chs wide. 25 ft. deep. course S. E.
72.84	Corral fence. bears N. & S.
73.84	Corral fence. bears N. & S. enter field.
75.30	E. Pratt's Empty house bears N. 1.20 chains

Subdivision of T. 13. S. R. 8. E. Continued

Chains	
79.84	The Cor. to Secs 26. 27. 34 & 35.
	Land, broken.
	Soil. Rocky & Gravelly. 4th rate.
	Timber. Scattering Cedars.
	Mountainous Land 79.84 chains.
	No. 01' W. bet. Secs 26 & 27.
	Ascend gradually, in field.
9.45	Dry wash 2.00 chs. wide, 20 ft. deep. course S.E.
18.20	Fence, bears E & W. leave field.
18.50	Road, bears E & W.
33.50	Descend.
37.00	Ravine. course S.E. 40 ft. deep. enter cedars ascend.
40.00	The old ¼ Sec. Cor. bears N 6° 42' E. 52 lks. dist. destroyed same. Set a sandstone 16 x 10 x 7 ins. 11 ins. in the ground for ¼ Sec. Cor. marked ¼ on W. face; and raised a mound of stone 2 ft. high, 1½ ft. base. W. of Cor. Pits impracticable.
	A cedar 18 ins. in diam. bears N 13° 35' E 66 lks dist. marked ¼ S. 13. T.
	No other bearing trees available.
80.00	The old cor. bears N 6° 40' E 104 lks dist. destroyed same. Set a sandstone 18 x 12 x 8 ins. 12 ins. in the ground for cor. to Secs 22. 23. 26 & 27. marked 2 notches on S. & E. edges, and raised a mound of stone 2 ft. base, 1½ ft. high. W. of Cor. Pits impracticable.
	Land, rolling & broken.
	Soil. Gravelly & Rocky 4th rate.
	Timber. Scattering Cedars.
	Mountainous Land 80 chains.
	S 89° 58' E. on a random line bet. secs 23 & 26.
40.00	Set temporary ¼ Sec. Cor.
79.80	Intersect N & S. line at cor. to Secs 23-24-25 & 26.
	Thence I run
	N 89° 58' W. on a true line bet. secs 23 & 26

Subdivision of T. 13. S. R. 8. E. Continued.

Chains.	
	Ascend rocky side of ridge.
5.00	Head of ravine, course E. ascend gradually in scattering cedars.
13.00	Top of ridge, bears N. E & S. W. descend
39.70	The old 1/4 Sec. Cor. bears N. 6° E. 5-9 lks. dist: destroyed stone. Set a sandstone 25 x 24 x 14 ins. 19 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.
41.00	Bottom of gulch 400 ft: below Sec. Cor. Course E. ascend 200 ft: to
50.00	Top of ridge, bears N. E & S. W. descend,
64.00	Gulch, 100 ft: deep, Course S. W. thence E. ascend gradually to
74.00	The Cor. to Secs 22. 23. 26 & 27. Land. broken. Soil. Rocky, 4th rate. Timber. Scattering Cedars. Mountainous, Land 74.00 chains

	N 75° 01' W. bet: Secs 22 & 23. Ascend in scattering Cedars.
5.00	Top of ridge, bears N. W. & S. E. descend,
9.50	Head of Hollow, course E. ascend.
18.00	Top of ridge, 200 ft: more Sec. Cor. bears E & W. descend.
38.00	Gulch. Course E. N. ascend.
40.00	The old 1/4 Sec. Cor. bears N 7° E 162 ins. dist: destroyed. Same. Set a sandstone 16 x 10 x 6 ins. 11 ins. in the ground for 1/4 Sec. Cor. marked 1/4 on N. face; and raised a mound of stone 2 ft: base, 1½ ft: high. N. of Cor. Pits impracticable.
42.60	Foot of cliffs, rocky bluffs.
77.00	Top of bluffs, ascend gradually.
80.00	The Cor. to Secs 14. 15. 22 & 23. Land. broken. Soil. Rocky, 4th rate. Timber. Scattering Cedars. Mountainous Land. 80 chains.

June 5th 1894.

Subdivision of S. 13. S. R. 8. E. Continued.

Chains	
	raised a mound of stone 2 ft. base. 1½ ft. high. N. of Cor. Pits impracticable. A pine 10 ins. in diam. bears N 64° W 12 lks. marked ¼ S. B. T. ¼ a pine 14 ins. in diam. bears S 27° 25' W. 53 lks. dist: marked ¼ S. B. T.
47.50	Leave cedars.
48.90	Creek 5 lks wide. 6 ins. deep. in canon. course S. E.
49.80	Enter field.
52.50	Fence bears N ¼ W. Leave field, ascend.
56.20	Ascend, gradually over benches to
80.16	The cor. to Secs 27. 28. 33 & 34, Land. rolling & broken. Soil. Gravelly & Rocky & Mountainous. Timber scattering Cedars & pines. Mountainous Land 80.16 chains.

	N 0° 02' W. bet: Secs 27 & 28. Ascend gradually over benches.
1.27	Road. bears N. E & W. N.
4.00	Enter scattering Cedars & dense oak brush.
23.50	Ascend rapidly.
30.30	Bottom of gulch 100 ft. deep. course S. E. leave cedars.
35.00	Top of ridge. course N W ¼ S. E. descend.
40.00	The old ¼ Sec. Cor. bears N 26° 05' W 60 lks dist: destroyed same. Set a monument 16 x 10 x 8 ins. 11 ins. in the ground for ¼ Sec. Cor. marked ¼ on N. face; and raised a mound of stone 2 ft. base. 1½ ft. high. N. of Cor. Pits impracticable.
40.50	Enter bottom.
47.20	North Fork of Gordon Creek 6 lks wide. 6 ins. deep. course S. E.
49.00	Leave brush. enter field.
59.50	Fence. course N W ¼ S. E. leave field ascend.
59.50	Road. bears N W ¼ S. E. enter brush.
61.00	Ditch 4 lks wide. 6 ins. deep. course S. E. enter scattering Cedars.

Subdivision of T. 13 S. R. 8 E. Co.

	Chains.	
	80.00	The old cor. bears N 28° E. 48 lks. dist.
		destroyed. Set a sandstone 20 x 12
		x 10 ins. 15 ins. in the ground, for cor. to
		Secs. 21. 22. 27 & 28. Marked 2 notches on S.
		& E. 3 notches on E. edges, and raised a
		mound of stone 2 ft. base 1½ ft. high. N.
		of cor. Pits impracticable.
		Land broken.
		Soil. Gravelly & Rocky, 3rd & 4th rate.
		Timber, Scattering Cedars.
		Mountainous. Bland 80. Chains.
		East on a random line bet. Secs 22 & 27
X	40.00	Set temporary ¼ sec. cor.
	80.24	Intersect W. & E. line at cor. to Secs 22.
		23. 26 & 27.
		Thence N.
		West on a true line bet. Secs 22 & 27.
		Ascend gradually, in scattering cedars.
	2.30	Descend from low ridge. bears N. E.
	20.50	Ravine 50 ft. deep. course S. ascend.
	25.00	Point of ridge. 50 ft. high. Falls S. descend.
	29.50	Ravine 50 ft. deep. Course S. ascend.
	32.70	Ridge. bears N. E. & S. descend.
	34.00	Ravine. course S. ascend.
	38.00	Point of ridge. bears S. E. descend.
	40.12	The old ¼ Sec. Cor. bears N. 8° W. 72 lks. dist.
		destroyed. Set a sandstone 20 x 16 x
		6. ins. 15 ins. in the ground for ¼ Sec. Cor.
		marked ¼ on S. & W. faces, and raised a mound
		of stone 2 ft. base, 1½ ft. high. W. of Cor.
		Pits impracticable. Ins. head of gulch
		course S. E. ascend.
	47.70	Top of ridge, 100 ft. above ¼ Sec. Cor. bears
		N. E. & S. W. descend
	55.90	Dry wash 30 lks. wide. 10 ft. deep. in gulch
		150 ft. deep. course S. W. ascend
	65.00	Top of ascent. descend gradually to
	80.24	The cor. to Secs 21. 22. 27 & 28.
		Land. broken.
		Soil. Rocky 4th rate.

Subdivisions of T. 13. S. R. 8. E. Continued.

Chains.		
	Timber. Scattering Cedars. Mountainous land 80.24 chains.	
	No. 02 W. bet. secs 21 & 22. Descend gradually in scattering cedars.	×
13.80	Ravine. course S.W. 30 ft. below Sec. Cor. Ascend in oak brush, leave cedars.	
40.00	The old ¼ Sec. Cor. bears N 35° W 37 lks. dist. destroyed same. set a sandstone 14×10×8 ins. 9 ins. in the ground for ¼ Sec. Cor. marked ¼ on W. face; and raised a mound of stone 2 ft. base 1½ ft. high. W. of cor. Pits impracticable.	
41.50	Leave brush, enter scattering cedars.	
61.00	Top of ridge. 300 ft. above Sec. Cor. bears N.E. & S.W. descend.	
64.00	Head of ravine 75 ft. deep. course S.W. ascend 300 ft. to	
75.50	Top of ridge. bears E & W. descend.	
79.60	Head of ravine 150 ft. deep. course S.W. ascend to	
80.00	The old cor. bears N 2° W. 30 lks. dist. destroyed same. set a sandstone 14×12×12 ins. 9 ins. in the ground for cor. to secs 15. 16. 21 & 22. marked. T. 13. S. on N.E. R. 8. E. on S.E. faces; with 3 notches on S. & E. edges; and raised a mound of stone 2 ft. base 1½ ft. high. W. of Cor. Pits impracticable. Land. broken. Soil. Rocky, 4th rate. Timber. Scattering Cedars. Mountainous land 80 chains.	
	East on a random line bet. secs 15 & 22	
40.00	Set temporary ¼ Sec. Cor.	×
40.10	The old ¼ Sec. Cor.	
80.20	Intersect N. & S. line at cor. to secs 14. 15. 22 & 23.	
	thence I run	

Subdivision of T. 13. S. R. 8. E. Continued

Chains	
	West on a true line bet. Secs 15 & 22
X	Descend gradually through scattering Cedars.
4.50	Head of gulch course S.W. ascend.
7.00	Top of ridge. bears N.E. & S.W. descend.
37.50	Head of gulch 400 ft. below Sec. Cor. course N.W. ascend
40.10	The 1/4 Sec. Cor. which is a sandstone 6 x 18 x 6 ins. above ground. marked 1/4 on N. face; with mound of stone 2 ft. base. 1 1/2 ft. high. N. of Cor.
42.50	Descend 600 ft. to
46.40	Bottom of Cañon 1000 ft. deep. course S. ascend.
63.00	Top of ridge. bears N. & S. descend 500 ft. to
80.20	The Cor. to Secs 15. 16. 21 & 22.
	Land. broken.
	Soil. Rocky. 4th rate.
	Timber. Scattering Cedars.
	Mountainous Land 80.20 chains.
	No. 02 W. bet. Secs 15 & 16.
X	Ascend steep bare hillside.
7.00	Top of ridge. bears E. & W. descend.
22.00	Ravine 200 ft. deep. course W. ascend.
37.80	Top of ridge. bears E. & W. descend.
40.00	The old 1/4 Sec. Cor. bears S 3° E. 15 lks dist. destroyed same. Set a sandstone 18 x 16 x 5 ins. 12 ins. in the ground for 1/4 Sec. Cor. marked 1/4 on W. face; and raised a mound of stone 2 ft. base. 1 1/2 ft. high. W. of Cor. Pits impracticable.
47.[illegible]	Ravine 150 ft. deep. course W. ascend.
56.00	Top of ridge. bears E. & W. descend.
60.50	Cañon 500 ft. deep. course W. ascend.
72.00	Point of ridge. bears S.E. descend to
80.00	The Cor. to Secs 9. 10. 15 & 16. which is a sandstone 6 x 18 x 6 ins. above ground marked 4 notches on S. and 3 notches on E. edges; with a mound of stone 2 ft. base. 1 1/2 ft. high. W. of Cor.

Subdivision of T. 13 S. R. 8 E. Continued.

Chains	
	Land, broken.
	Soil, Rocky, 4th rate.
	No timber.
	Mountainous land 80 chains.
	June 6th 1897
	June 7th At 6h 50m A. M. L. m. G. I. set off 34°38' on the lat. arc; 22°06' on the decl. arc; and determine a true meridian with the solar at the cor. to Secs 4.5; 32 & 33. on the bay of Tp.
	thence I. run
	No°03' W. bet. Secs 32 & 33.
	Descend gradually over rolling ground.
18.00	Bottom of hollow, course S. E. ascend 100 ft. to
26.00	Top of ridge 150 ft. high. bears N.W. & S.E. descend steep hillside to
36.50	Enter bottom.
37.90	Dry wash 30 lks wide, 10 ft. deep, course S. E. ascend gradually over bottom
40.00	The old 1/4 Sec. Cor. bears west 50 lks dist. destroyed same. 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; and raised a mound of stones 2 ft. base, 1/2 ft. high. W. of Cor. Pits impracticable.
44.40	Road, bears E. & W.
49.30	Leave bottom, ascend
50.00	The old cor. bears N 18° W 17 lks dist. destroyed same. Set a sandstone 24 x 10 x 8 ins. 18 ins. in the ground for cor. to Secs 28.29.32 & 33. marked 1 notch on S. & 4 notches on E. edges; and raised a mound of stones 2 ft. base, 1/2 ft. high. W. of Cor. Pits impracticable.
	Land, Broken & Rolling.
	Soil, Rocky, 4th rate.
	No timber.
	Mountainous land. 80 chains.
	East on a random line bet. Secs 28 & 33.
40.00	Set temporary 1/4 Sec. Cor.

Subdivision of T. 13 S. R. 8 E. Continued.

Chains	
80.04	Intersect N & S. line at Cor. to Secs 27. 28. 33 & 34.
	thence I run
	West on a true line bet. Secs 28 & 33.
	Ascend gradually over broken bench land.
1.39	Road. bears N. E & S. W.
40.02	The old 1/4 Sec. Cor. bears N 20° W 35 lks dist. destroyed same. 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; dug pits 18 x 18 x 12 ins. E & W. of stone 3 ft. dist; and raised a mound of earth 3½ ft. base. 1½ ft. high. N. of Cor.
71.25	Top of ridge. 300 ft. high. bears N & S. descend
80.04	The cor. to Secs 28. 29. 32 & 33.
	Land. broken.
	Soil. Rocky. 4th rate.
	No timber.
	Mountainous land 80.04 chains.
	No. 03 W. bet. Secs 28 & 29.
	Ascend gradually over broken ground in dense oak bursh.
7.60	Head of gulch. course S. W. ascend rapidly
15.00	Top of ridge 800 ft. above Sec. Cor. bears E & W. descend 500 ft. to
38.00	Ravine. course N. E. ascend 80 ft. to
40.00	The old 1/4 Sec. Cor. bears West 48 lks dist. destroyed same. Set a sandstone 20 x 12 x 6 ins. 15 ins. in the ground for 1/4 Sec. Cor. marked 1/4 on W. face; and raised a mound of stones 2 ft. base. 1½ ft. high. W. of Cor. Pits impracticable.
40.30	Descend 100 ft. to
44.00	Ravine. course E. ascend 400 ft. to
55.00	Top of ridge. bears E & W. descend 500 ft. to
60.00	Cañon. course S. E. ascend 800 ft. to
73.00	Top of ridge. bears E & W. descend 300 ft. to
80.00	The old cor. bears N 87° W 60 lks dist. destroyed same. Set a sandstone 16 x 8 x

Subdivision of T. 13 S. R. 8 E. Continued.

Chains	
	6 lks. 11 lks. in the ground for Cor. to secs. 20. 21. 28 & 29. marked 2 notches on S. and 4 notches on E. edges; and raised a mound of stone 2 ft. base, 1½ ft. high. N. of Cor. Pits impracticable.
	A Spruce 8 ins. in diam. bears S 89° 40' W. 82 lks dist. marked T. 13 S. R. 8. E. S. 29. B. T.
	A Spruce 8 ins. in diam. bears S. 86° 40' W 82 lks dist. marked T. 13 S. R. 8. E. S. 29 B. T.
	No other bearing trees available.
	Land broken.
	Soil Rocky. 4th rate.
	No timber. dense brush on 80. chains.
	Mountainous land 80 chains.
	East on a random line bet. secs 21 & 28.
40.00	Set Temporary ¼ Sec. Cor.
80.04	Intersect N. & S. line 10 lks N. of cor. to secs 21. 22. 27 & 28.
	thence S. runs
	N 84° 56' W. on a true line bet. secs 21 & 28.
	Ascend through scattering brush.
10.00	Road bears N. E. & S. W. its course S. W.
10.50	Ascend 60 ft. W.
12.30	Top of ridge bears N. & S. descend 100 ft. W.
16.30	Enter bottom, leave brush.
20.20	W. Tryons house bears N 3.50 chains.
28.10	North Fork of London Creek. 10 lks wide. 5 ins. deep. Course S. enter oak brush. ascend.
40.02	The old ¼ Sec. Cor. bears N. 18° W. 65 lks dist. destroyed corns. Set a sandstone 18 x 10 x 6 ins. 12 ins. in the ground for ¼ Sec. Cor. marked ¼ on N. face; and raised a mound of stone 2 ft. base 1½ ft. high, N. of cor. Pits impracticable.
73.20	Top of ridge 900 ft. above creek. bears N. & S. descend.
80.04	The cor. to secs 20. 21. 28 & 29.
	Land. broken.
	Soil. Gravelly & Rocky 4th rate.

Subdivision of T 13 S. R. 8 E. Continued

Chains	
	No timber.
	Mountainous land 80.04 chs.
	No. 03 W. bet. Secs 20 & 21.
	Descend over rocky hillside.
24.60	Cañon 750 ft. below Sec. Cor. course N. E.
	ascend.
35.00	Top of ridge. 200 ft. high. bears N. E. & S. W.
	descend.
40.00	The old 1/4 Sec. Cor. bears N. 2° 15' E. 80 lks dist.
	destroyed stone. set a sandstone 20 x 6 x
	6 ins. 15 ins. on the ground for 1/4 Sec. Cor.
	marked 1/4 on W. face, and raised a mound
	of stone 2 ft. base 1 1/2 ft. high W. of Cor.
	Pits impracticable.
40.80	Enter bottom.
42.00	North Fork of Gordon Creek 5 chains
	4 ins. deep. flows E.
42.40	Ditch 3 lks wide 1 ft. deep. flows E.
45.80	Road. bears N. W. & S. E.
55.00	Leave bottom. ascend in brush.
67.40	Rocky bluff 25 ft. high. bears N. E. & S. W.
67.60	Top of bluff. ascend gradually.
80.00	The cor. to Secs 16. 17. 20 & 21. which is a
	sandstone 6 x 10 x 8 ins. above ground. marked
	3 notches on E. 4 notches on E. edges,
	and mound of stone 2 ft. base 1 ft.
	high. W. of Cor.
	Land. Broken.
	Soil. Rocky, 4th rate.
	No timber. Dense brush on 25.00 chains.
	Mountainous Land 80. chains.
	N. 87° 30' E. on a random line bet. Secs 16 & 21
1.00	set temporary 1/4 Sec. Cor.
80.06	Intersect W. & E. lines bet. Secs N. of cor. to
	Secs 15. 16. 21 & 22.
	thence N. on
	N. 87° 54' W. on a true line bet. Secs 16 & 21.
	Ascend thro oak brush & scattering cedars.
4.50	Top of ridge 50 ft. above Sec. Cor. bears N. E. &

Subdivision of T. 13. S. R. 8. E. Continued.

Chains	
	S. W. descend 400 ft. to
19.00	Ravine. Course S. ascend 60 ft. to
17.60	Top of ridge, bears N.E. & S.W. leave brush & Cedars, descend 200 ft. to
33.50	Bottom of Cañon, course S.
34.70	Dry wash 60 lks wide, 15 ft. deep, course S.E.
37.20	Leave Cañon, ascend.
40.05	The old ¼ Cor. bears N. 10 lks. dist. destroyed same. Set a sandstone 30 x 20 x 8 ins. 24 ins. in the ground for ¼ sec. Cor. marked ¼ on N. face, and raised a mound of stone 2 ft. base, 1½ ft. high. N. of Cor. Pits impracticable
51.00	Coal prospect bears S 1.90 chains dist.
60.00	Top of ridge 800 ft. high, bears N & S. descend.
77.00	Bottom of ravine, 600 ft. deep. course S. ascend.
80.06	The cor. to secs 16. 17. 20 & 21.
	Land. broken.
	Soil. Rocky, 4th rate.
	Timber. Scattering Cedars.
	Mountainous land 80.06 chains.
	[illegible] 7th 1817

Note. I retraced several other lines of my survey in this township and find same to agree with old notes.

John T. Breckon
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 _____

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

_____

showing the respective capacities in which they acted:

_____, *Chainman.*

_____, *Chainman.*

_____, *Moundman.*

_____, *Moundman.*

_____, *Axman.*

_____, *Axman.*

_____, *Flagman.*

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted _____

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

_____

_____

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

_____, *Chainman.*

_____, *Chainman.*

_____, *Moundman.*

_____, *Moundman.*

_____, *Axman.*

_____, *Axman.*

_____, *Flagman.*

_____

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

SEAL.

_____

_____

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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 ....., 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 ..... base and ..... 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, Sept 30, 1897

The foregoing field notes of the survey of Corrective the Subdivisions Tp 13 S R 8 E of the Salt Lake Base & Meridian Utah

executed by John T Buckow & Anthony Letta Ed Dec 15 1896 under his contract No. 199, dated Mch 5, 1895, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

.....
United States Surveyor General.

I certify that the foregoing transcript of the field notes of the above-described 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-244

K.F.B.

FIELD NOTES

OF THE SURVEY OF
PART OF THE

Subdivisions of Township No 15 South
Range No. 11 East.

Of the Salt Lake Base and Meridian,

Territory of Utah

AS SURVEYED BY

John T. Breckon, U. S. Deputy Surveyor,

der his Contract No. 199, dated March 5th 1895.

rvey commenced Sept. 7th, 1895.

rvey completed Sept. 12th, 1895.

(12503—2,000.)

4 15 62 14
2 9 16 71

Names and Duties of Assistants.

Andrew F. Rupert Chainman

John R. Bennett Chainman

Wm R. Lyons Axeman

Parley Musser Axeman

BOOK A-244

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Township 15 S., *Range* 11 East

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Meanders Page.....

Preliminary Oaths of Assistants.

We, _____

_____

_____

do solemnly swear that we will well and faithfully execute the duties of chain carriers; 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 distance 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 _____

_____

_____

_____

_____

_____, *Chainman.*

_____, *Chainman.*

_____, *Chainman.*

_____, *Chainman.*

Subscribed and sworn to before me this _____ day of _____, 18 .

_____

_____

We, _____

_____

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

_____

_____

_____

_____

Subscribed and sworn to before me this _____ day of _____, 18 .

_____, *Axeman.*

_____, *Axeman.*

_____

_____

_____

Subdivision of T. 15 S. R. 11 E.

Survey Commenced Sept. 4th 1895. Executed with a Gurley Mountain, Transit with Solar attachment.

I examine the adjustment of the Transit and Correct the level & Colimation errors, then to test the Solar apparatus, by comparing its indications resulting from Solar observations made during A.M. & P.M. hours, with a true Meridian determined by observations on Polaris, I Proceed as follows:—

At my Camp, which is situated near Section house in the S. E. 1/4 Sec. 22, Lat 39° 30' N, Long. 110° 42' W, I set a post firmly in the ground, with a nail in Centre of top, over which I set my Transit, and set off 39° 30' N. on the Lat. arc, & 5° 53' W on the Decl. arc; and at 4h. 20m. P.M. l.m.t., determine with the Solar a true meridian, and mark a Point thereof on a Post, firmly set in the ground, 5.00 chs N. of Transit.

At 8h. 15m P.M. l.m.t. I observe Polaris at eastern elongation, in accordance with Manual of Instructions and mark a Point on the line thus determined on a hub-division in the ground, 5.00 chs N. of my Station.

Sept. 4. 1895.

Sept. 5th At 6. A.M. l.m.t. I lay off the Azimuth of Polaris 1° 37' to the West, and mark the true meridian thus determined by driving a nail in Post set Sept. 4th. on which the true meridian falls 0.4 lks. West of the mark determined by the Solar.

At 8h. 10m. A.M. l.m.t. I Set off 39° 30' on the Lat. arc, 5° 3' W on the Decl. arc, and mark a Point on the true meridian determined with the Solar, with a nail in Post already set 5.00 chs N. of my Station this nail bears 0.3 lks. West of the true meridian established by the Polaris observation.

The Solar apparatus, by P.M. & A.M. observations, defines Positions for true meridians respectively about 0' 21" east & 0' 16" West of the meridians established by the Polaris observations; therefore I Conclude the adjustments of the instrument

Subdivisions of T. 6 S. R. 1 E. — Continued

Chains

are satisfactory.

The magnetic bearing of the true meridian at
Ft. 15 Lks. E. of Cor. is N. 16 1/4 W. the angle thus
determined, reduced by the table, gives 100, for
the mean mag. dec. 16° 20' E.

From the Cor. to Secs. 23. 24. 25 & 26, which is a
Sandstone 6 x 10 x 6 ins. above ground, marked and
witnessed as described by the Surveyor General, I run
S 89° 32' E. on a blank line bet. Secs. 24 & 25.
At 40.36 chs. intersect at 1/4 Sec. Cor., and
At 80.70 chs. intersect Cor. to Secs. 19. 24. 25 & 30.

From the Cor. to Secs. 19. 24. 25 & 30. on S. bdy.
I run North between Secs. 19 & 24
At 39.99 chs. fall 1 lk. W. of 1/4 Sec. Cor. and
At 79.99 chs. intersect at Cor. to Secs. 13. 18. 19 & 24.

Therefore the bearings are as stated by the
Surveyor General, and my Chaining Practically
agrees with the field-notes of the original
Survey.

From the Cor. to Secs. 23. 24. 25 & 26. as before
described. I run
N 0° 01' W. bet. Secs. 23 & 24.
Ruler Scattering Cedars, & ascend broken
mountains.

0.00 Top of ascent, 100 ft. above Sec. Cor.: descend.
11.00 Dry Wash, 30 Lks. wide, 2 ft. deep. Course N. W. in
Gulch 100 ft. deep. ascend.
40.00 Set a Sandstone 20 x 12 x 6 ins. 15 ins. in the ground, for
1/4 Sec. Cor. marked 1/4 on W. face; and raise a mound of
Stones 2 ft. base, 1 1/2 ft. high, W. of Cor. Pit impracticable.
42.50 Top of Knoll, 300 ft. above Sec. cor. descend.
47.00 Head of rocky Gulch, Course W. ascend 200 ft. to
48.00 Top of ridge. Course S. & W. descend 60 ft. to
50.00 Set a Sandstone, 20 x 10 x 5 ins. 15 ins. in the ground
for Cor. of Secs. 13. 14. 23. & 24, marked with 3 notches
on S. & 1 notch on E. edges; and raise a mound of
Stone 2 ft. base, 1 1/2 ft. high, W. of Cor. Pit impracticable.
Land broken.
Soil, rocky, 4th rate.
Timber, Cedar.
Mountainous land, 50.00 chs.

Subdivision of T. 10 S. R. 11 E. - Continued.

Chains	
	S. 89° 32' E. on a random line bet. Secs. 13 & 24.
40.00	Set temp. 1/4 Sec. Cor.
80.50	Intersect E. bdy. of T. 9 at 19 lks. N. of Cor. of Secs. 13. 18. 19 & 24, which is a cedar stake 4 ins. sq. 3 ft. above ground, marked and witnessed as described by the Surveyor General.
	Thence run
	N. 89° 40' W. on a true line bet. Secs. 13 & 24.
	Ascend gradually.
34.00	Top of ridge about 250 ft. high, Course N. & S.
	Descend gradually.
40.75	Set a Sandstone 16 x 10 x 8 ins. 11 ins. in the ground, for 1/4 Sec. Cor. marked, 1/4 on N. face, dig Pit 18 x 18 x 12 ins. E. & W. of Stone, 3 ft. dist. and raise a mound of earth, 3 1/2 ft. base, 1 1/2 ft. high N. of Cor.
42.90	Wash, 20 lks. wide, 2 ft. deep, Course S. W.
	ascend about 50 ft. to
49.00	Top of ridge, bears N. & S. descend gradually to
59.40	Gulch, Course S. E. ascend 100 lks. to
64.00	Top of rocky ridge, bears N. & S. descend
	about 100 lks. to
80.50	The Cor. of Secs. 13. 14. 23 & 24.
	Land broken.
	Soil, rocky and barren - 4 ins. stake.
	Timber, Scattering Cedars.
	Mountainous Land, 80.50 Chs.

	N. 0° 01' W. on a random line bet. Secs. 13 & 14.
40.00	Set temp. 1/4 Sec. Cor.
49.80	Intersect 3 lks. W. of Cor. of Secs. 11. 12. 13 & 14 which is a cedar post 3 ft. above ground 3 ins. sq. marked and witnessed as described by the Surveyor General.
	Thence run
	South on a True line bet. Secs. 13 & 14

Subdivision of T. 15 S. R. 11 E. — Continued.

Chains	
	Descend about 740 ft. through scattering Cedars.
8.00	Dry Wash, Course S. S. W. enter bottom of Canon.
9.20	Road, bears S. S. W. & N. N. E.
28.00	Leave Canon. ascend.
39.80	at a Sandstone, 30 x 18 x 6 ins. 15 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face; and raise a mound of Stone, 2 ft. base, 1½ ft. high, W. of Cor. Pit impracticable.
49.00	Top of ridge, bears S. W. & N. E. descend over broken ridges to
49.80	The Cor. of Secs. 13. 14. 23 & 24. Land broken. Soil gravelly and rocky. — 3rd rate Timber, scattering Cedars. Mountainous Land 49.80 chs.

Sept. 8. At the cor. to Secs 22. 23. 26 & 27. I set off 5° 37' N. on the decl. arc; and 11h 56m a.m. l.m.t. observe the sun on the meridian; the resulting lat. is 39° 30'.

From the Cor. of Secs. 22. 23. 26 & 27. which is a Sandstone 8 x 14 x 4 ins. above ground, marked and witnessed as described by the Surveyor General. I run
N. 0° 61' W. bet. Secs. 22 & 23.
Enter dense undergrowth on bottom.

1.60	Price River, 140 lks wide, 1 ft. deep, flows S. 10° E.
4.00	Road, bears N. and S.
10.00	Leave road.
13.80	Ditch, 5 lks. wide, Course S. E. Leave brush.
14.00	Enter cultivated field
14.00	Leave field.
14.05	Wire fence, bears S. 50° 35' E. & N. 50° 35' W.
18.90	Rio Grande Western R. R. bears S. E. & N. W. Water tank bears N. 55° 50' W.
19.90	Telegraph line, bears S. 50° 35' E. and N. 50° 35' W.
20.60	Wire fence, bears S. 50° 35' E. & N. 50° 35' W.
21.80	Ditch, 15 lks wide, 1 ft. deep. Course S. 50° E.
26.20	Road, bears N. W. & S. E. Leave bottom.

See corner No 2 page 171

Subdivision of T. 15 S. R. 11 E. - Continued

	and ascend Radually.	
40.00	Set a Sandstone, 20 x 16 x 6 ins. 15 ins in the Ground, for 1/4 Sec. Cor., marked 1/4 S. on W. face; and raise a mound of Stone 2 ft. base, 1 1/2 ft high, W. of Cor. Pits impracticable Water Tank, bears S. 42° 10' W.	
	Section house, bears S. 45° 30' W 20.00 chs. (Farnham)	See cor notes No 2 page 171
60.50	Dry Wash. 1 ch. wide, Course S. E.	
80.00	Set a Sandstone, 18 x 12 x 8 ins., 12" in the Ground, for Cor. of Sec. 14. 15. 22 & 23 marked with 3 notches on S. and 2 notches on E. edge and raise a mound of Stone 2 ft. base 1 1/2 ft high, W. of Cor. Pits, impracticable. Land, Bottom & nearly Level. Soil, Sandy & rocky. 3rd & 4th rate No timber. Dense Undergrowth, av. 3.50 chs.	
1280 / 1630		
	N 89° 57' E. on a random line Bet. Secs. 14 & 23.	
40.00	Set Limb 1/4 Sec. Cor.	
79.80	Intersect N. & S. line at Cor. of Secs. 13. 14. 23. & 24.	
	Thence run S. 89° 57' W. on a True line Bet. Secs. 14 & 23. Ascend about 40 ft. through Cedars.	
2.60	North Side of Knoll. Descend 300 ft.	
12.00	Enter Bottom	
13.10	Dry Wash 40 chs. wide Course S. in Bottom of Ravine. 60 ft. below Sec. Cor. Cedars	See cor notes No 2 page 171
14.50	Road. bears N. & S. W.	
24.00	Foot of Sandstone Ledge 50 ft high, bears N. E. & S. W. Ascend	
26.10	Top of Bluff. Descend W. Side of ridge.	
39.90	Set a Sandstone, 16 x 12 x 4 ins. 11 ins. in the Ground for 1/4 Sec. Cor. Marked 1/4 on N. face and raise a mound of Stone 2 ft. base 1 1/2 ft high N. of cor. Pits impracticable.	
46.50	Enter Cation, bears S. W. 300 ft. below Top of Bluff.	

Subdivision of T. 15 S. R. 11 E. - Continued

	nains	
	47.00	Dry Wash 60 lks. wide 10 ft. deep. Course S. W.
	52.00	Dry Wash 40 lks. wide 5 ft. deep. Course S. W.
	58.20	Dry Wash 40 lks. wide 5 ft. deep. Course S. W.
	62.00	Begin ascent over Sandstone ledges, bears S. W. and N. E.
See cor notes No 2 page 178	68.50	Top of ledge 300 ft. high.
	71.50	Descend Sandstone ledges 300 ft. to
	78.00	Enter bottom of Cañon bears S. W.
	79.80	The Cor. of Secs. 14. 15. 22 and 23.
		Land broken
		Soil, hard and gravelly, 4th rate.
		Timber, Cedar.
		Mountainous land. 79.80 chs.
		Sept. 8. 1895
		N. 0° 01' W. on a random line bet. Secs. 14 and 15.
	40.00	Set temp. 1/4 Sec. Cor.
	80.00	Intersect 3 lks W. of Cor. of Secs. 10. 11. 14 and 15 which is a Cedar Post. 3" x 3" x 3 ft. above ground, marked and witnessed as described by the Surveyor General.
		Thence I run
		South on a true line bet. Secs. 14 and 15.
See cor notes No 2 page 172		Gradual ascent over rolling ground to
	38.00	Top of ridge. Descend Sandstone ledges.
	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; and raise a mound of Stone, 2 ft. base 1½ ft. high W. of Cor. Pits impractic
	46.00	Foot of ledges, enter Cañon. bears S. W.
	67.00	Dry Wash 1 ch wide, 8 ft. deep. Course S. W.
		Descend Gradually to
	83.00	The Cor. of Secs. 14. 15. 22 and 23.
		Land rolling and broken.
		Soil, rocky; 4th rate.
		No timber.
		Mountainous land. 80.00 chs.

Subdivision of T. 15. S. R. 11. E. - Continued.

Chains	
	From the Cor. of Secs. 21. 22. 27 & 28, which is a Sandstone 4 × 8 × 8 ins. above the ground, marked and witnessed as described by the Surveyor General, I run
	N. 0° 2' W. bet. Secs. 21 & 22.
	Ascend gradually to
8.50	Top of ridge 100 ft. high, bears E. & W. Descend
12.20	Ravine, 80 ft. deep, bears N. W. ascend to
16.00	Ridge, 50 ft. high, bears N. W. & S. E. descend
21.60	Ravine, 50 ft. deep bears N. W. ascend to
32.00	Top of ledges, bear N. W. & S. E. descend 100 ft.
33.65	Foot of ledges, enter cañon, course E.
39.80	Dry wash, 60 lks. wide, 15 ft. deep. course, E.
40.00	Set a Sandstone 20 × 12 × 10 ins. 15 ins. in the ground, for 1/4 Sec. Cor., marked 1/4, on W. face; and raise a mound of Stone 2 ft. base, 1 1/2 ft. high W. of Cor. Pits impracticable.
40.25	Leave bottom, ascend limestone ledges 100 ft.
42.00	Top of ledges, ascend gradually.
49.50	Top of ridge, course N. E. & S. W. descend 150 ft. to
55.00	Enter bottom.
55.80	Road, bears E. & W.
57.00	Leave bottom. ascend Sandstone ledges.
58.13	Top of ledges, 50 ft. high, bear N. E. & S. W. ascend gradually about 50 ft. to
70.00	Top of ascent, thence along top of ledges
80.00	Set a limestone 20 × 12 × 4 ins. 15 ins. in the ground for Cor. to Secs. 15. 16. 21 & 22. 15. S. on N. E. 11 E. on S. E. faces. marked with 3 notches on S. and 3 notches on E. edges; and raise a mound of Stone 2 ft. base, 1 1/2 ft. high, W. of Cor. Pits impracticable.
	Land, broken
	Soil, rocky - 4th rate.
	No timber
	Mountainous land, 80.00 chs.

Subdivision of T. 15. S. R. 11. E. – Continued

Chains	
	N. 89° 45' E., on a random line bet. Secs. 15 & 22.
40.00	Set temp 1/4 Sec. Cor.
80.60	Intersect. N. & S. line 12 lks N. of Cor. of Secs. 14. 15. 22 & 23.
	Thence I run
	S. 89° 50' W. on a true line bet. Secs. 15 & 22.
	Enter bottom
2.50	Dry wash, 80 lks. wide, course S.
5.00	Foot of Sandstone ledges, 300 ft. high, leave bottom, ascend.
11.90	Top of ledges, gradual descent.
32.00	Top of ledges 50 ft. high. descend
33.00	Gulch, course S. W. ascend ledges 50 ft. high
34.00	Top of ledge ascend gradually.
40.30	Set a Sandstone 18 x 12 x 8 ins. 12 ins. in the ground for 1/4 Sec. Cor. marked 1/4 on N. face and raise a mound of Stone, 2 ft. base, 1 1/2 ft. high, N. of Cor. Pits impracticable.
	Descend to
51.00	Rocky ravine, 200 ft. deep, course S. ascend to
55.00	Top of ridge. descend gradually.
70.60	Descend Sandstone ledges, 100 ft. to
72.50	Enter bottom – dense undergrowth.
72.70	Ditch 10 lks wide 2 ft. deep, course S.
73.60	Price River, 60 lks. wide 1 ft. deep, course S.
76.02	Fence, bears N 9° W. & S. 9° E.
77.54	Rio Grande Western R.R. bears N 9° W. & S. 9° E.
78.65	Fence, bears N 9° W. leave bottom and dense undergrowth. ascend Sandstone ledges 50 ft. high, to
80.60	The Cor. of Secs. 15. 16. 21 & 22.
	Land, broken.
	Soil, Sandy & rocky, 2nd & 4th rate.
	No timber. Dense undergrowth on 6.05 chs.
	Mountainous land, 80.60 chs.

See cor notes No 2 page 173

Sept. 9: At the Cor. of Secs. 15. 16. 21 & 22, at 2h. 20m. P.M. l.m.t. I set off 39° 31' on the lat. arc; 5° 10' N. on the decl. arc; and determine a true meridian with the Solar.

Subdivision of T. 15 S. R. 11. E. – Continued.

Chains.	
	The 1/4 Sec. Cor. bet. Secs. 15 & 16, being plainly visible, I run for said Cor.
	No° 19' W. on a random line bet. Secs 15 & 16.
39.30	Intersect at 1/4 Sec. Cor., which is a Sandstone 6×10×5 ins above ground marked and witnessed as described by the Surveyor General.
	Thence I run
	S. 0° 19' E. on a true line bet. Secs. 15 & 16.
	Descend.
4.00	Gulch, 100 ft. deep, bears W. ascend.
11.40	Point of ridge, bears W. descend.
25.55	Enter bottom. ditch 10 lks. wide, 2 ft. deep Course S. E.
28.90	Price River. 60 lks wide, Course S. E.
30.20	Fence bears N.W. & S. E.
31.50	Rio Grande Western R.R. on curve bears N.W. & S. E.
31.90	Foot of ledges, leave bottom ascend 50 ft. to
39.00	Top of ledges.
39.30	The Cor. of Secs. 15. 16. 21. & 22.
	Land, broken.
	Soil, gravelly, 3rd rate.
	No timber. dense undergrowth on 0.35 chs
	Mountainous land 33.95 chs.
	Sept. 9. 1895.
	From the Standard Cor. of Secs. 32 & 33 which is an aspen post 3"×3"×3 ft. above ground, marked and witnessed as described by the Surveyor General, I run
	No° 03' W. bet. Secs. 32 & 33.
	Ascend gradually about 150 ft.
40.00	Set a Quartzite 16×10×5 ins. 12 ins. in the ground for 1/4 Sec. Cor., marked 1/4 on W. face; and raise a mound of Stone, 2 ft. base, 1 1/2 ft. high W. of Cor. Pits impracticable ascend to
42.00	Ridge bears N.W. & S.E. descend 60 ft. to

Subdivision of T. 15. S. R. 11. E. – Continued

51.20	Gulch, Course N. W. ascend 50 ft. to
54.00	Ridge, bears E. and W. descend gradually 80 ft.
80.00	Set a boulder 12×8×6 ins. 8 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, dig Dits 18×18×12 ins., in each Sec. 5½ ft. dist.; and raise a mound of earth 4 ft. base, 2 ft. high W. of cor.
	Land, broken.
	Soil, gravelly; 3rd rate.
	No timber.
	Mountainous land. 80.00 chs.
	Past on a random line bet. Secs. 28 and 33.
40.00	Set temp. ¼ Sec. Cor.
80.00	Intersect N. and S. line at Cor. of Secs. 27. 28. 33 and 34. which is a Sandstone 6×10×5 ins. above ground marked and witnessed as described by the Surveyor General.
	Thence I run
	West on a true line bet. Secs. 28 and 33.
	Descend about 80 ft. to
20.00	Gulch, Course N. W. ascend to
24.00	Ridge, bears N. W. and S. E. 60 ft. high.
40.00	Set a Sandstone 14×10×5 ins. 9 ins in the ground, for ¼ Sec. Cor. marked ¼ on N. face; dig Dits 18×18×12 ins. E. and W. of Stone 3 ft. dist; and raise a mound of earth 3½ ft. base, 1½ ft. high. N. of Cor. Descend to
46.40	Gulch, course N. ascend to
50.00	Ridge, bears N. and S. descend gradually about 80 ft. to
80.00	The cor. of Secs. 28. 29. 32 and 33.
	Land, broken
	Soil gravelly: 3rd rate.
	No timber.
	Mountainous land. 80.00 chs.

Sept. 10.: at 10h 00m A.M. l.m.t. At this cor. I set off 39°29' on the lat. arc.; 4°50' N. on the dec. arc.; and determine a true meridian. Thence I run

Subdivision of T. 15 S. R. 11 E. – Continued.

	N. 0°03' W. bet. Secs. 28 & 29.
	Descend gradually
40.00	Set a Cedar Post 4"x4"in x 4 ft. long, with marked Stone 24 ins. in the Ground, for 1/4 Sec. Cor., marked 1/4 S. on W. face; dig Pit 18x18x12 ins., N. & S. of Post, 3 Lks. dist., and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high, W. of Cor.
52.00	Descend
	Wash, 30 Lks. wide, Course N. E. into Flat.
80.00	Set a Sandstone 18x14x3 ins. 12 ins. in the Ground, for Cor. of Secs. 20. 21. 28 & 29. marked with 2 notches on S. and 4 notches on E. edges; dig Pits 18x18x12 ins. in each Sec. 3 1/2 Lks. dist.; and raise a mound of earth 4 ft. base, 2 ft. high, W. of Cor.
	Land, nearly level.
	Soil - Sandy 2nd rate.
	No timber.

	East, on a random line bet. Secs. 21 & 28.
40.00	Set temp. 1/4 Sec. Cor.
79.80	Intersect N. & S. line at cor. of Secs. 21. 22. 27 & 28.
	Thence I run
	West on a true line bet. Secs. 21 & 28.
	Descend gradually.
39.90	Set a Sandstone 16x10x4 ins. 12 ins. in the Ground, for 1/4 Sec. Cor.; marked 1/4 on N. face; and raise a mound of Stone 2 ft. base 1 1/2 ft. high N. of Cor. Pits impracticable.
	descend
46.30	Ravine, Course N.
	This ravine is about 300 ft. below Sec. Cor.
	Ascend
53.80	Point of ridge; 50 ft. high trees N. & S.
	descend.
64.00	Enter flat
65.30	Dry Wash 50 Lks. wide. Course N. E.
79.80	The Cor. of Secs. 20. 21. 28 & 29.

6400
1+80

Subdivision of T. 15 S. R. 11 E. — Continued

Chains	
	Land, broken, and flat.
	Soil, Ravelly - 3rd rate.
	No timber.
	Mountainous land, 64.00 chs.
	No. 03' W. bet. Secs. 20 and 21.
	Over flat. enter dense brush.
32.50	Dry Wash 1.10 chs. wide, 50 ft. deep. Course E.
40.00	Set a Sandstone 14 x 10 x 6 ins. 10 ins. in the ground for 1/4 Sec. Cor.; marked 1/4 on W. face; dig Pits 18 x 18 x 12 ins., N. and S. of Stone, 3 ft. dist.; and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high, W. of Cor. Leave brush, ascend gradually.
69.00	Road, bears E. and W. Steep ascent.
74.00	Top of ridge, 300 ft. high, bears E. and W. descend
80.00	Set a Sandstone 16 x 10 x 6 ins. 12 ins. in the ground, for Cor. of Secs. 16. 17. 20 and 21, marked with 3 notches on S. and 4 notches on E. edges; and raise a mound of Stone 2 ft. base, 1 1/2 ft. high, W. of Cor. Pits impracticable.
	Land, mountainous and flat.
	Soil, Sandy and rocky; 2nd and 4th rate
	No timber. dense undergrowth.
	Mountainous land and dense undergrowth, 80.00 chs.
	Post on a random line bet. Secs. 16 and 21.
40.00	Set temp. 1/4 Sec. Cor.
49.62	Intersect N. and S. line at Cor. of Secs. 15. 16. 21 and 22:
	Thence I run
	West, on a true line bet. Secs. 16 and 21.
	Ascend gradually to
14.00	Enter flat, 100 ft. above Sec. Cor.
25.00	Leave flat, descend to.
30.00	Bottom of ravine, 100 ft. deep, Course Course N.E. ascend to
38.00	Top of ridge, bears N.E. and S.W. descend

Subdivision of T. 15 S. R. 11 E. - Continued.

Chains	
39.91	Set a Sandstone 12 x 8 x 6 ins. 8 ins. in the Ground, for 1/4 Sec. Cor., marked 1/4 on N. face and raise a mound of Stone 2 ft. base 1½ ft. high N. of Cor. Pits impracticable.
	Descend 80 ft. to
42.10	Bottom of gulch, Course N. W. ascend
46.60	Top of ridge. bears N. E. & S. W. 100 ft. above 1/4 Sec. Cor. descend to
49.10	Ravine 100 ft. deep, Course N. E. Road bears N. E. & S. W. ascend
55.60	Ridge, 100 ft. high bears N. E & S. W. descend to
59.45	Ravine, 100 ft. deep, Course N. E. ascend
63.82	Top of knoll 200 ft. high. descend
71.70	Ravine, 80 ft. deep Course N. E. ascend
74.82	Point of ridge, bears N. & S. descend about 20 ft. to
79.82	The Cor. of Secs. 16. 14. 20. & 21.
	Land, broken.
	Soil rocky - 3rd rate
	No timber
	Mountainous land, 79.82 chs.

	The 1/4 Sec. Cor. bet. Secs. 16 & 14, being plainly visible, I run for said Cor.
	N. 0° 08' W. on a random line bet. Secs. 16 & 14
39.40	Intersect at 1/4 Sec. Cor., which is a Sandstone 6 x 10 x 5 ins. above Ground, marked & Witnessed as described by the Surveyor General.
	Thence I run
	S. 0° 08 E. on a true line bet. Secs. 16 & 14
	Ascend
7.40	Top of ridge 80 ft. above 1/4 Sec. Cor., bears E. & W. descend gradually.
24.25	Dry Wash 20 lks. wide 2 ft. deep, Course N. E. enter flat
33.25	Dry Wash 20 lks. wide 2 ft. deep, Course N. E. Leave flat, ascend about 100 ft. to
39.40	The Cor. of Secs. 16. 14. 20 & 21.
	Land, broken.
	Soil, gravelly, 3rd rate

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Subdivision of T. 15 S. R. 11 E. — Continued

Chains	
	No timber
	Mountainous land, 39.40 chs.
	Sept. 10. 1895.
	From the Standard Cor. of Secs. 31 & 32, which is a Sandstone 8 x 12 x 8 ins. above ground marked and witnessed as described by the Surveyor General, I run
	N. 0° 03' W. bet. Secs. 31 & 32.
	Enter bottom, descend gradually.
40.00	Set a Sandstone 14 x 8 x 6 ins. 9 ins. in the ground for 1/4 Sec. Cor., marked 1/4 on W. face; dig pits 18 x 18 x 12 ins. N. & S. of Stone, 3 ft. dist., and raise a mound of earth 5 1/2 ft. base, 1 1/2 ft. high W. of Cor.
40.00	Dry wash, 20 lks. wide, 5 ft. deep, Course E.
53.00	Ascend gradually to
80.00	Set a Conglomerate Stone 14 x 8 x 6 ins. 9 ins. in the ground for Cor. of Secs. 29, 30, 31 & 32, marked with 1 notch on S. and 5 notches on E. edges; dig pits 18 x 18 x 12 ins in each Sec. 5 1/2 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high W. of Cor.
	Land, nearly level.
	Soil, Sandy, 2nd rate.
	No timber.
	Past on a random line, bet. Secs. 29 & 32.
40.00	Set temp. — Sec. Cor.
80.00	Intersect N. & S. line at Cor of Secs. 28, 29, 32 & 33.
	Thence I run
	West on a true line bet. Secs. 29 & 32.
	Descend gradually about 4/5 ft. to
15.00	Peter flat.
16.00	Dry wash, 15 lks. wide, 2 ft. deep, Course, N. E.
18.00	Ascend gradually
25.00	Ridge, 60 ft. high, bears N. & S., descend gradually.

Subdivision of T. 15 S. R. 11 E. – Continued

Chains.	
40.00	Set a Quartzite 14 x 8 x 5 ins., 9 ins in the ground for 1/4 Sec. Cor. marked 1/4 on N. face; dig Pits 18 x 18 x 12 ins. E. & W. of Stone 3 ft. dist. and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high, N. of Cor.
	Pointer flat
48.20	Dry Wash 30 lks. wide, 8 ft. deep. Course N. E.
50.00	Ascend gradually to
80.00	The Cor. of Secs. 29. 30. 31 and 32.
	Land, rolling.
	Soil, Sandy – 2nd rate.
	No timber.
	West on a random line bet. Secs. 30 & 31.
40.00	Set temp 1/4 Sec. Cor.
79.80	Intersect the W. bdy. of the Tp. at the Cor. of Secs. 25. 30. 31 & 36, which is an aspen Post, 24 ins. above ground, 3 ins. Sq., marked and witnessed as described by the Surveyor General.
	Thence I run
	East on a true line bet. Secs. 30 & 31.
	Ascend gradually over nearly level ground.
39.80	Set a Sandstone 12 x 8 x 6 ins. 8 ins. in the ground for 1/4 Sec. Cor. marked 1/4 on N. face; dig Pits 18 x 18 x 12 ins. E. & W. of Stone, 3 ft. dist. and raise a mound of earth, 3 1/2 ft. base, 1 1/2 ft. high, N. of Cor.
	Descend gradually along top of low ridge
79.80	The Cor. of Secs. 29. 30. 31 & 32.
	Land, rolling.
	Soil Sandy, 2nd rate.
	No timber.
	N. 0°23' W. bet. Secs. 29 & 30.
	Gradual descent over nearly level ground.
25.00	Dry Wash, 30 lks. wide, 8 ft. deep. Course E.
	Ascend about 30 ft. to
35.00	Ridge, bears E. and W. descend.
40.00	Set a Conglomerate Stone, 14 x 8 x 6 ins. 9 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on W. face;

Subdivision of T. 10 S., R. 11 E. - Continued

Chains	dig Pit 18x18x12 ins. N. & W. of Stone, 3 ft. dist., and raise a mound of earth 3½ ft. base, 1½ ft. high, W. of Cor.
41.00	Ascend about 30 ft. to
48.00	Top of ascent, descend about 40 ft. to
40.00	Foot. Flat & dense Sage brush & Greasewood
43.54	Dry Wash 1.60 Chs. wide, 40 ft. deep. Course N. E.
50.00	Set a Sawed Cedar Post 4½ ft. long, 3 ins. Sq., with marked Stone, 24 ins. in the Ground, for Cor. of Secs. 19. 20. 29. and 30., marked, T. 10 S. S. 20 on N. E. R. 11 E. S. 29 on S. E. S. 30 on S. W. and S. 19 on N. W. faces; with 2 notches on S. and 1 notches on E. edges; dig Pits 18x18x12 ins. in each Sec. 6½ ft. dist. and raise a mound of earth, 4 ft. base, 2 ft. high, W. of Cor. Land, rolling. Soil Sandy, 2nd rate. No timber, dense brush on 10 Chs.
10.00	
10.00	

The Cor. of Secs. 20. 21. 28 & 29, being plainly visible.

I run for said Cor.

N. 59° 54' E., on a random line bet. Secs. 20 & 29.

40.00	Set Temp. ¼ Sec. Cor.
60.12	Intersect N. & S. line at Cor. of Secs. 20. 21. 28 & 29.

I then I run

S. 59° 54' W. on a true line bet. Secs. 20 & 29.

Over level Land, through dense undergrowth.

40.06	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. on N. face; dig Pits 18x18x12 ins. E. & W. of Post, 3 ft. dist.; and raise a mound of earth 3½ ft. base, 1½ ft. high, W. of Cor.
43.27	Dry Wash 1.70 Chs. wide, 40 ft. deep. Course N. E.
60.12	The Cor. of Secs. 19. 20. 29 & 30. Land Flat.

Subdivision of T. 15 S. R. 11 E. – Continued.

Chains.	
	Soil, Sandy – 2nd rate.
	No timber. Dense undergrowth of Sage & Greasewood
	Dense Undergrowth on 80.12 chs.
	West on a random line bet. Secs. 19 and 30.
40.00	Set temp 1/4 Sec. Cor.
79.60	Intersect W. bdy. of the Tp. at Cor. of Secs. 19. 24. 25 and 30, which is an ascen post 24 ins. above ground, 3 ins. sq., marked & witnessed as described by the Surveyor General.
	Thence I run
	East on a true line bet. Secs. 19 and 30.
	Over nearly level land.
35.60	Enter dense brush.
39.60	Set a flint stone 12 x 8 x 5 ins. 5 ins. in the ground for 1/4 Sec. Cor., marked 1/4 on N. face; dig pits, 18 x 18 x 12 ins. E. and W. of stone, 3 ft. dist. and raise a mound of earth, 3 1/2 ft. base, 1 1/2 ft. high, N. of Cor.
43.30	Dry wash, 50 lks. wide, 20 ft. deep, course S. E.
51.10	Dry wash, 1.40 chs. wide 30 ft. deep, course S. E.
79.60	The Cor. of Secs. 19. 20. 29 and 30.
	Land, nearly level.
44.00 / 35.60	Soil, Sandy, 2nd rate.
	No timber, dense undergrowth of Sage and Greasewood.
	Dense Undergrowth on 44 chs.
	Sept 11.: At this Cor., at 4h 50m P.M. L.m.t., I set off 39°30' on the lat. arc; 4°22' on the decl. arc; & determine a true meridian with the solar.
	Sept. 11. 1895.
	No. 03 W. bet. Secs. 19 and 20
	Over nearly level ground through dense brush.
14.10	G. R. Hill's cabin bears E. 3.10 chs.
19.00	Leave brush, ascend gradually.
40.00	Set a cedar post, 4 ft. long, 5 ins. sq., with marked stone 24 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 S. on W. face; dig pits 18 x 18 x 12 ins., E. & W. of post, 3 ft. dist.; and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high

Subdivision of T. 15 S. R. 11. E. – Continued.

Chains. W. of Cor.

48.40 Dry Wash 15 lks. Wide, 4 ft. deep, Course E.

68.60 Dry Wash 15 lks. Wide, 3 ft. deep, Course S. E.

70.00 Steeper ascent.

80.00 Set a Cedar Post, 3 ft. long, 4 ins. sq., with marked Stone, 24 ins. in the ground, for Cor. Secs. 17. 18. 19 and 20; marked,

T. 15 S., S 17 on N. E.

R. 11 E., S. 20 on S. E.

S. 19 on S. W. and

S. 18 on N. W. faces; with 3 notches on S. and 5 notches on E. edges; dig Pits, 18 x 18 x 12 ins. in each Sec., 5½ ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high W. of Cor.

Land, Flat and foot hills.

Soil, Sandy, 2nd rate.

No timber. Dense undergrowth of Sage and grease

Dense brush on 19 Chs.

N. 89° 54' E. on a random line bet. Secs. 17 and 20.

40.00 Set temp ¼ Sec. Cor.

80.04 Intersect N. and S. line at the Cor. of Secs. 16. 17. 20 and 21.

Thence I run

S. 89° 54' W. on a true line bet. Secs. 17 and 20.

Descend

3.94 Bottom of ravine, 100 ft deep, Course N. E. asc

9.74 Top of ridge, bears N 10° E and S 10° W. d about 20 ft. to

17.04 Head of Gulch, Course N. E. ascend about 30 ft.

22.04 Top of ridge, bears N. W. and S. E. descend 200 ft. to

29.00 Foot of ridge of mountain – enter bench.

40.02 Set a Cobble Stone 12 x 8 x 6 ins 8 ins in the ground; for ¼ Sec. Cor., marked ¼ on N. face, and raise a mound of Stone 2 ft. base 1½ ft. high N. of Cor. Pits impracticable.

Subdivision of T. 15 S. R. 11 East— Continued

Chains.	
41.34	Road, bears N. W. and S. E.
80.04	The Cor. of Secs. 14, 15, 19 and 20.
29.00	Land, mountainous and broken.
51.04	Soil, Gravelly and Rocky — 3rd rate.
	No timber.
	Mountainous land 29.00 Chs.
	West on a random line bet. Secs. 15 & 19
40.00	Set Temp. 1/4 Sec. Cor.
79.50	Intersect W. bdy of the Tp. at Cor. of Secs. 13, 18, 19 and 24, which is an aspen post 24 ins. above ground, 3 ins. sq., marked and witnessed as described by the Surveyor General.
	Thence I run East on a true line between Secs. 18 & 19
	ascend gradually
13.50	Top of ascent, bears N. W. and S. E.
	descend gradually
39.50	Set a Sandstone, 14 x 10 x 5 ins., 9 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on N. face; dig Pit 18 x 18 x 12 ins., E. and W. of Stone 3 ft. dist.; and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high N. of Cor.
65.45	Dry Wash, 10 lks. wide, 5 ft. deep, Course S. W.
	descend gradually
79.50	The Cor. of Secs. 14, 15, 19 and 20.
	Land, nearly level.
	Soil, Gravelly. 3rd rate.
	No timber.
	N. 0° 03' W. on a random line bet. Secs. 14 & 15.
40.00	Set Temp. 1/4 Sec. Cor.
79.44	Intersect 4 lks. W. of Cor. of Secs. 14, 15, 14 & 15 which is a Sandstone 6 x 10 x 4 ins above ground, marked and witnessed as described by the Surveyor General.
	Thence I run

Subdivision of T. 15 R. 11 E. — Continued

Chains	
	South on a true line, bet. Secs. 14 & 15.
	Ascend to
3.00	Point of ridge 50 ft. above Sec. Cor., bears N. and S.
5.50	Descend
9.40	Ravine, 100 ft. deep, Course E. Thence N. E.
9.50	Trail, bears E. and W. ascend
20.00	Top of ridge, bears E. and W. descend
24.44	Gulch, 60 ft. deep, Course N. E. ascend
26.44	Top of ridge descend 300 ft. to
39.44	Set a Sandstone 12×10×6 ins. 5 ins in the ground for 1/4 Sec. Cor., marked 1/4 on N. face; and raise a mound of Stone, 2 ft. base, 1½ ft. high, W. of Cor. Pits impracticable.
42.00	Foot of mountain, 50 ft. below, 1/4 Sec. Cor. enter bench.
41.34	Road, bears N. W. and S. E. descend gradually to
49.44	The Cor. of Secs. 14. 15. 19 and 20.
	Land, Mountainous and bench.
	Soil, Gravelly, 3rd rate.
	No timber.
	Mountainous land, 42 chs.

Sept. 12. 1895.

General Description.

The land embraced in my Survey of this Township, contains Valley, bench, and mountainous land. The mountains are broken and barren.

Grice River runs S. E. through Secs. 16. 22 and

Subdivision of T. 15 S. R. 11 E. - Continued.

23, the water in which is very brackish. There is no other water.

At Farnham Station, in the S. E. ¼ Sec. 32, on the Rio Grande Western Ry., there is a section house and water tank. G. P. Hill has a cabin on the S. W. ¼ Sec. 30. - no other improvements.

There are no other settlers in the township. The timber is scattering cedars on the ridges, and cottonwood along Price River. There is no mineral found in the township. Martin C. Peterson D.E. 2183, W. J. Hill D.E. 4001, & Arthur W. Burch D.E. 4032, could not be found at the time I made this survey.

John J. Breckon
U. S. Dep. Surveyor.

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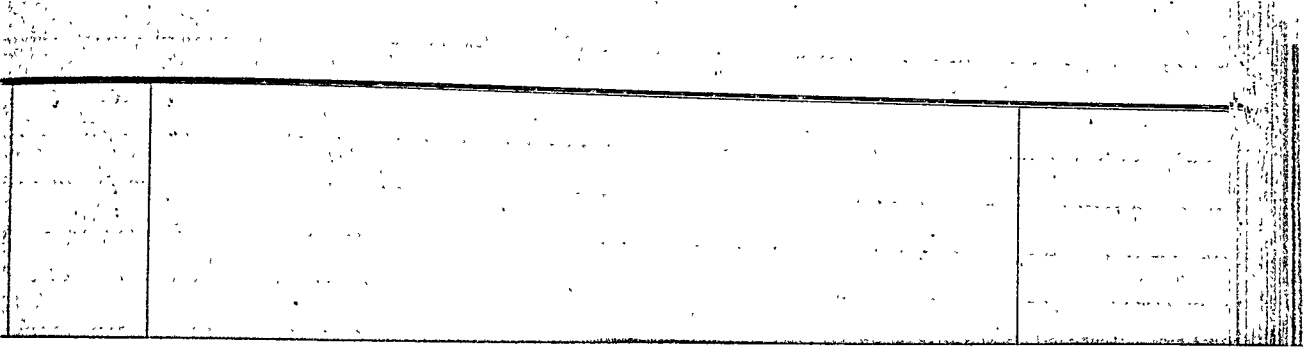

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List of Names.

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

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

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

.....

Final Oath of Assistants:

We hereby certify that we assisted .....

....., U. S. Deputy Surveyor, in surveying all those parts or portions of the .....

..... Meridian, ..., as 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 U. S. Surveyor General for .....

.....

Subscribed and sworn to before me this .....
day of ....., 18 .

SEAL

.....

.....

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162-1 Plat

Final Oath of U. S. Deputy Surveyor.

I, _____, U. S. Deputy Surveyor, solemnly swear that, in pursuance of instructions received from _____, U. Surveyor General for _____, bearing date of the _____ day _____, 18 , I have well, faithfully, and truly, in my own proper person, and in st conformity with the instructions furnished by the U. S. Surveyor General for _____, surveying manual, and the laws of the United States, surveyed all those parts or portions of _____

_____

_____

_____

_____

_____ Meridian, in the _____, as are represented in the f going field notes as having been surveyed by me, and under my directions; and I do further solemnly swear that the corners of said survey have been established and perpetuated in strict accordance with the surveying man printed instructions, the special written instructions of the U. S. Surveyor General for _____ and in the specific manner described in the field notes, and that the foregoing are the true field notes of such sur and should any fraud be detected, I will suffer the penalty of perjury under the provisions of an Act of Cong approved August 8, 1846.

_____

U. S. Deputy Survey

Subscribed and sworn to before me this _____ day of _____, 18 .

SEAL

_____

_____

Approval.

Office of the U. S. Surveyor General,

Salt Lake City, Utah June 30th, 1896.

The foregoing field notes of the survey of part of the Subdivisional Township No. 15 South, Range 11 East of the Salt Base & Meridian, Utah

_____

_____

_____

_____

_____ execut

_____

under his Contract No. 199, dated March 9th, 1895, having been criti examined, the necessary corrections and explanations made, the said field notes, and the surveys they describe hereby approved.

_____

U. S. Surveyor Gener

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

_____

U. S. Surveyor Gener

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4—679.

BOOK A-244

6.3.13.

Corrective

FIELD NOTES

OF THE SURVEY OF

Subdivisions of T15 S. R. 11 E.

Of the Salt Lake Base & Meridian,

State of Utah

AS SURVEYED BY

John T. Breckon, United States Deputy Surveyor,

Under his Contract No. 199, dated March 5", 1895

Hon Cnis Atty E. dated Dec 15 1896

Survey commenced June 10", 1897

Survey completed June 11", 1897

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BOOK A-244

Names and Duties of Assistants.

Harry H. Atkinson Chairman

C. [illegible] Thomson Chairman

A. E. Lasaway Moundman & Axeman

6—151

Subdivisions of T. 15 S., R. 11 E.

Chains		
	June 10 - 1897. Set 2" x 4" x 10" a. Wis. L. m. t.	
	& set Sol. Aff 37° 30' on the Sol. arc; 23° 05' W. on	
	the decl. arc; and determine a line coincident	
	with the solar at the 1/4 Sec. Cor. bet. Secs 22	
	& 23, which is a sandstone 10 x 14 x 6 ins. above	
	ground, marked 1/4 on W. face; and mound	
	of stone 2 ft. base, 1 ft. high, S. of Cor.	
	Thence S. 89°	
	N. 0° 01' W. bet. Secs 22 & 23.	X
	Ascent gradual.	
20.00	Hwy. reads 1 ch. wide 4 ft. deep, course S. E.	1
40.00	The Cor. to Secs 14, 15, 22 & 23, bears North 37	2
	Wis. Dist. distroyed Corner and set a	
	sandstone 18 x 12 x 6 ins. 12 ins. in the ground	
	for Cor. to Secs 14, 15, 22 & 23, marked 3	
	notches on S. & 2 notches on E. edges; and	
	raised a mound of stone 2 ft. base, 1 ft.	
	high, W. of Cor. Pits unmarkable.	
	Land Rolling & mostly Cleared.	
	Soil, Sandy & Rocky 2nd & 4th rate.	
	No timber.	
	N. 89° 37' E. on a random line bet. Secs	
	14 & 23.	
40.00	Set Temporary 1/4 Sec. Cor.	
79.60	Intersect W. & E. line at Cor. to Secs 15, 14,	X
	23 & 24,	
	Thence S. 89°	
	S. 89° 51' W. on a true line bet. Secs 14 & 23.	
	Entire scattering Cedars, ascend about 40 ft.	
2.60	North side of Knoll, descend 200 ft.	
12.00	Enter bottom,	
13.10	Hwy. road 40 like wide 4 ft. deep, course	
	S. on bearing 160 ft. below Sec. Cor. Scant	
	Cedars.	
14.50	Road, bears N. E & S. W.	
24.00	Foot of sandstone ledge 80 ft. high, bears	
	N. E & S. W. ascend.	
28.10	Top of bluff, descend west slope of	
	ridge	
39.90	The 1/4 Sec. Cor. which is a sandstone	

Subdivision of T. 15 S. R. 11 E. Continued.

Chains	
	6 x 12 x 4 ins. above ground marked 1/4 on W. face; with a mound of stone 2 ft. base, 1½ ft. high. W. of Cor.
46.50	Cañon 300 ft. below top of bluff, course S.W.
47.00	Dry wash 60 lks wide, 10 ft. deep. course S.W.
52.00	Dry wash 40 lks wide, 5 ft. deep. course S.W.
58.20	Dry wash 40 lks wide 5 ft. deep. course S.W.
62.00	Ascend sandstone ledges, bearing N.E. & S.W.
68.50	Top of ledges 300 ft. high.
71.50	Descend sandstone ledges 300 ft. to
78.00	Enter bottom of Cañon, course S.W.
79.80	The Cor. to Secs 14. 15. 22 & 23.
	Land, broken.
	Soil. Rocky & Gravelly. 4th rate.
	Timber. Scattering Cedar.
	Mountainous land. 79.80 chains.
	No. 01' W. on a random line bet. secs 14 & 15.
40.00	Set temporary ¼ Sec. Cor.
X 79.66	Intersect 3 lks West of cor. to secs 10. 11. 14 & 15. as re-established by me this day.
	Thence I run
	South on a true line bet. secs 14 & 15.
	Gradual ascent over rolling ground
39.00	Descend sandstone ledges
39.66	No trace of old corner. Set a sandstone 18 x 12 x 8 ins. 12 ins. in the ground for ¼ Sec. Cor. marked ¼ on W. face; and raised a mound of stone 2 ft. base, 1½ ft. high W. of Cor.
	Pits impracticable.
47.00	Foot of ledges enter Cañon, descend gradually
57.40	Dry wash 1 ch. wide 8 ft. deep. course S.W.
79.66	The cor. to Secs 14. 15. 22 & 23.
	Land, rolling & broken.
	Soil. Rocky & Gravelly 4th rate.
	Timber. A few scattering cedars on first 39 chains.
	Mountainous land. 79.66 chains.

June 10th 1897

Subdivision of T. 15 S. R. 11 E. Continued.

Chs.	
	From the cor. to Secs 15. 16. 21 & 22. which is a limestone 8 x 12 x 4 ins. above ground marked
	15. S. on N. E.
	11. E. on S. E. with 3 notches on S. & E. edges with a mound of stone 2 ft. base 1½ ft. high N. of Cor.
	Thence
	N 89° 45' E. on a random line bet. secs 15 & 22.
40.00	Set temporary ¼ Sec. Cor.
80.90	Intersect W. & E. line 36 chs N. of cor. to secs 14. 15. 22 & 23.
	Thence S. run
	West on a true line bet. secs 15 & 22.
	Enter bottom.
2.50	Stony wash 8.0 chs wide 10 ft. deep. course S.
5.00	Leave bottom, ascend sandstone ledges 300 ft. high.
11.90	Top of ledges. descend gradually
32.00	Top of ledges 50 ft. high. descend.
33.00	Gulch course N. W. ascend ledges 60 ft. high.
34.00	Top of ledges. ascend gradually
40.30	Top of ridge. bears N. & S. descend gradually
40.45	Old ¼ Sec. Cor. bears North 22 chs. dist: destroyed and set a sandstone 18 x 12 x 8 ins. 12 ins. in the ground for ¼ Sec. Cor. marked ¼ on N. face and raised a mound of stones 2 ft. base 1½ ft. high N. of Cor. Pits impracticable.
51.00	Head of rocky gulch. 200 ft. deep. course S. ascend
55.00	Top of ridge. descend gradually
70.60	Top of sandstone ledges. descend 100 ft. &
72.70	Enter bottom & dense undergrowth.
72.90	Ditch 10 chs wide 24 ins. deep. course S.
73.80	Pecos River 60 chs wide 1 ft. deep. course S.
76.22	Fence bears N 9° W. & S 9° E.
77.74	Rio Grande Western R. R. bears N. 7° W. & S 9° E.

Subdivision of T. 13 S. N. 1 E. Continued

Chains 78.85	Fence bears N 9° W & S 9° E. leave bottom & dense undergrowth, ascend sandstone ledges 50 ft. high to
80.90	The cor. to Secs 15, 16, 21 & 22.
	Land broken.
	Soil Sandy & Rocky 2nd & 4th rate.
	No timber dense undergrowth on 6.05 chs
	Mountainous land 80.90 chains.
	June 11th 1897.

Note. I retraced several other lines of my survey in this township & find same to agree with old notes.

John T. Breckon
U. S. Dep. Surveyor

Resurvey of Subdivision of T. 15 S. R. 11 E.

Chains	
	From the Cor. to secs 11.12.13 & 14 which is a cedar post 3 ins. sq. 3 ft. above ground marked and witnessed as described by the Surveyor General set by a sandstone 8×8×6 ins. above ground marked 4 notches on S. & 1 notch on E. edges; with a mound of stone 2 ft. base 1½ ft. high W. of Cor. I run
	S 89°.54' W. on a resurvey line bet. Secs 11 & 14.
40.00	No trace of old cor.
80.00	No trace of old cor. to secs 10.11.14 & 15. could be found.
	thence I run
	S 89°.54' W on a resurvey line bet. secs 10 & 15.
40.00	No trace of old cor.
80.00	Intersect 28 lks. L. of cor. to secs 9.10.15 & 16. which is a cobble stone 5×8×4 ins. above ground, firmly set and marked and witnessed as described by the Surveyor General.
	thence I run
	East on a true line bet. secs 10 & 15.
40.00	Set a sandstone 15×8×6 ins. 10 ins. in the ground for ¼ sec. Cor. marked ¼ on N. face; and raised a mound of stone 2 ft. base, 1½ ft. high. W. of cor. Pits impracticable.
80.00	Set a sandstone 18×12×8 ins. 12 ins. in the ground for Cor. to secs 10.11.14 & 15. marked 4 notches on L. & 2 notches on E. edges; and raised a mound of stone 2 ft. base 1½ ft. high W. of Cor. Pits impracticable.
	East on a true line bet. secs 11 & 14.
40.00	Set a sandstone 16×11×7 ins. 11 ins. in the ground for ¼ sec. Cor. marked ¼ on N. face; and raised a mound of stone 2 ft. base, 1½ ft. high. N. of cor.

Resurvey of Subdivision of T.15 S. R.11 E. Continued.

Chains	
	Pits impracticable.
80.00	The Cor. to Secs 11.12.13 & 14.

June 10th 1897.

John T. Breckon
U.S. Dep. Surveyor.

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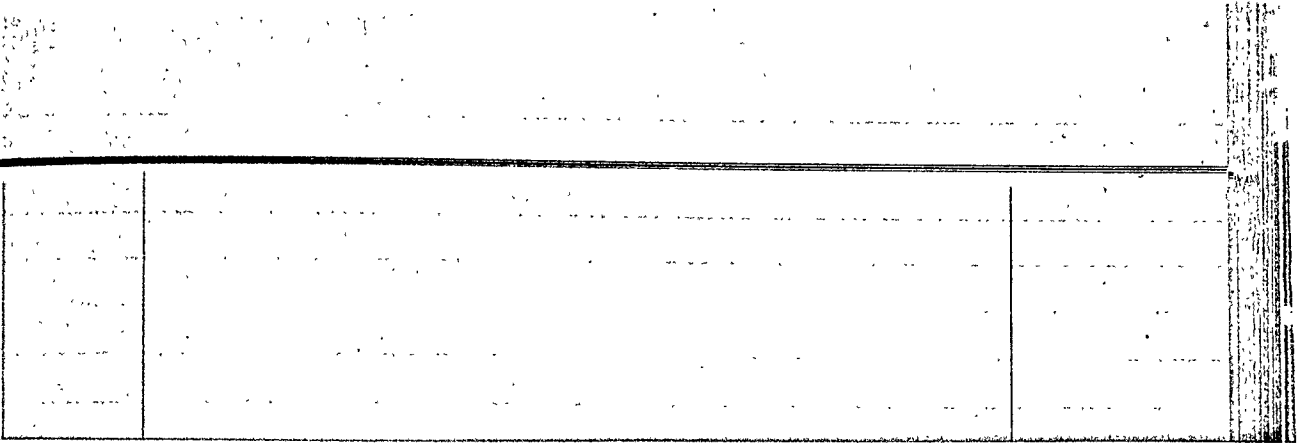

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BOOK A-244

INDEX DIAGRAM.

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

Meanders Page.....

Preliminary Oaths of Assistants.

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

_____, *Chainma*

_____, *Chainma*

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

SEAL

_____

_____

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

_____, *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
perform the duties of flagman according to instructions given me, to the best of my skill and ability, in t
survey of _____

_____, *Flagm*

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

SEAL

_____

_____

Final Oaths of Deputy Surveyor and his Assistants.

LIST OF NAMES.

A list of the names of the individuals employed by _____

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

_____

showing the respective capacities in which they acted:

_____, *Chainman.*

_____, *Chainman.*

_____, *Moundman.*

_____, *Moundman.*

_____, *Axman.*

_____, *Axman.*

_____, *Flagman.*

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted _____

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

_____

_____

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

_____, *Chainman.*

_____, *Chainman.*

_____, *Moundman.*

_____, *Moundman.*

_____, *Axman.*

_____, *Axman.*

_____, *Flagman.*

_____

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

SEAL

_____

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(4—679.)

BOOK A-244

FIELD NOTES

OF THE SURVEY OF

South and East Boundaries of Township 16 S. Range 11 E. of the

Of the Salt Lake Base and Meridian,

Territory of Utah

AS SURVEYED BY

John T Preston, U. S. Deputy Surveyor,

under his Contract No. 199, dated March 5 1895

which commenced September 12th, 1895

and was completed September 14th, 1895

(12/93—2,000.)

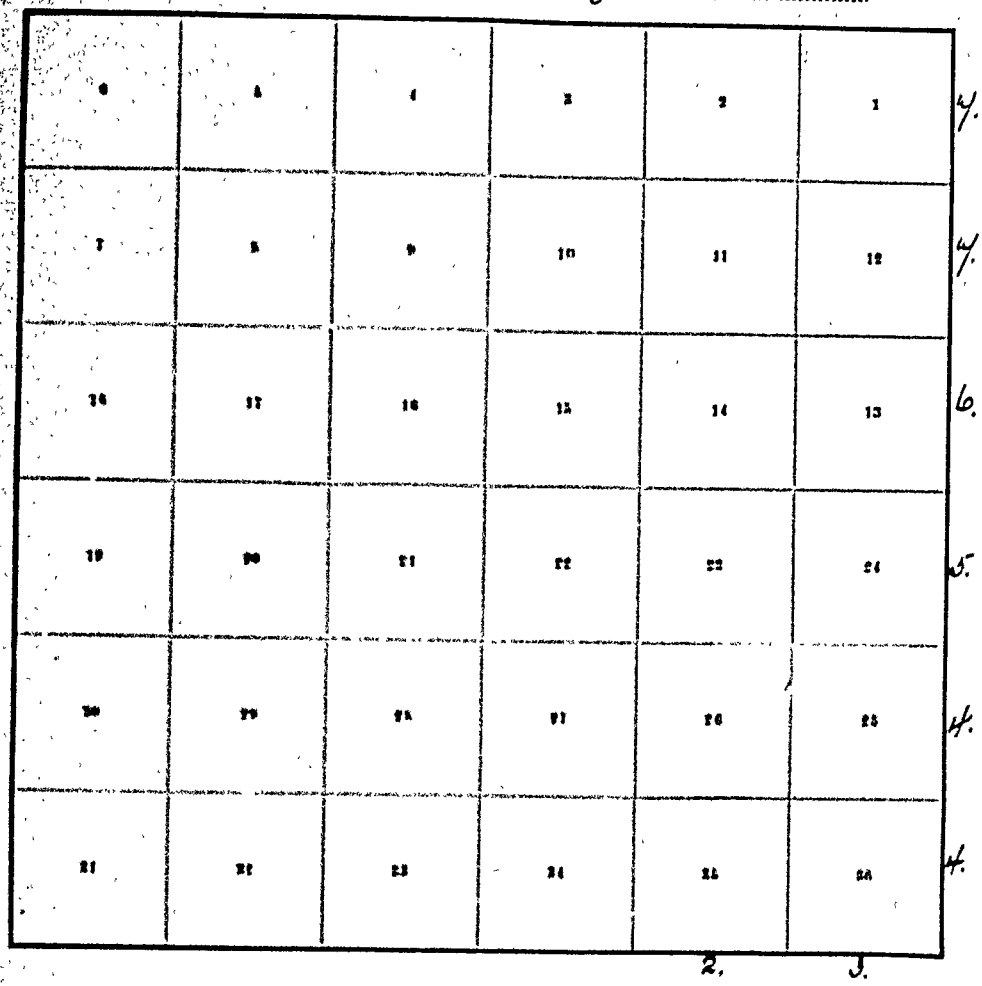
Names and Duties of Assistants.

Andrew F. Rieper	Chainman
John R. Bennett	Chainman
Parley P. Musser	Axeman
Wm. H. Trone	Axeman

BOOK A-244

INDEX DIAGRAM.

Township 16S . *Range* 11E



Meanders Page.....

Preliminary Oaths of Assistants.

We, _____

_____

_____

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

_____

_____

_____

_____

_____, *Chainman*

_____, *Chainman*

_____, *Chainman*

_____, *Chainman*

Subscribed and sworn to before me this _____ day of _____, 18 .

_____

_____

We, _____

_____

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

_____

_____

_____

_____

Subscribed and sworn to before me this _____ day of _____, 18 .

_____, *Axem*

_____, *Axem*

_____

_____

_____

South boundary of T. 16 S. R. 11 E.

Survey Commenced Sept. 12th 1895, and executed with a Gurley Mountain Transit with Solar attachment. I examine the adjustments of the Transit, & Correct the Level & Collimation errors, then to test the Solar apparatus, by Comparing its indications resulting from Solar observations made during A.M. & P.M. hours, with a true meridian determined by observations on Polaris, I Proceed as follows:-

At the Cor. of Secs. 2. 3. 34 & 35 on S. boundary of the Township. Lat. 39°23' N. Long. 116°42' W.

I Set off 39°23' on the Lat. arc, 3°59' N on the decl. arc.; and at 4h 50m 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, 5.00 Chs. N. of Corner.

At 4h 58m P.M. l.m.t. I observe Polaris at eastern elongation, in accordance with Manual of Instructions, and mark a Point on the line thus determined, on a tack driven in the Ground 5.00 Chs. N. of my Station.

Sept. 12. 1895

Sept. 13. At 6 A.M. l.m.t. I lay off the Azimuth of Polaris 1°37' to the West, and mark the true meridian thus determined by making a Cross on Stone Set Sept. 12th on which the true meridian falls 0.3 lks. West of the mark determined by the Solar.

At 8h 10m A.M. l.m.t. I Set off 39°23' on the Lat. arc, 3°44' N on the decl. arc., and mark a Point on the true meridian determined with the Solar with a Cross on Stone already Set 5.00 Chs. N. of my Station; this Point bears 0.2 lks. West of

South boundary of T. 16 S. R. 11 E. — Con.

Chains	
	the true meridian established by the Polaris observation.
	The Solar apparatus, by P.M. & A.M. observations defines positions for true meridians respectively about 0°16" east and 0°10" West of the meridian established by the Polaris observations; therefore I Conclude the adjustments of the instrument are Satisfactory.
	The magnetic bearing of the true meridian at 8h 10m A.M. L.M.T. is N. 16° 33' W.; the angle thus determined, reduced by the table Page 100, gives the mean magnetic decl. 16° 30' E.
	From the Cor. of Secs. 2. 3. 34 & 35, which is a limestone 6 x 5 x 5 ins. above ground marked & witnessed as described by the Surveyor General. I run
	East bet. Secs. 2 and 35.
	On a gradual ascent through Scattering Cedars, to
10.00	Top of ridge, 40 ft. high, bears N.W. & S.E. descend
24.00	Hollow, Course N.W. ascend 60 ft to
35.50	Top of ridge, bears N.E. & S.W. descend.
40.00	Set a limestone 16 x 12 x 5 ins., 11 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on N. face; and raise a mound of Stone 2 ft. base, 1/2 ft. high, N. of Cor. Pit impracticable.
41.00	Hollow, bears S. ascend to
44.50	Point of ridge, bears N. & S. descend.
56.60	Descend rocky Sandstone ledges 70 ft. to
62.00	Foot of ledges, Gradual descent, to
— 80.00	Set a Sandstone 18 x 14 x 8 ins. 12 ins in the Ground for Cor. of Secs. 1. 2. 35 & 36, marked with 5 Notches on W. and one Notch on E. edge; And raise a mound of Stone 2 ft. base 1/2 ft. high N. of Cor. Pit impracticable.
	Land, broken.
	Soil, Gravelly & rocky. 3rd rate.
	Timber. Scattering Cedars.

South boundary of T. 16 S. R. 11 E. - Continued

Chains.	Mountainous land, 50.00 chs.
	East bet. Secs. 1 and 36,
	On a gradual descent.
4.00	Dry wash 50 lks. wide, 2 ft. deep, Course S.
	ascend 40 ft. to
14.00	Point of ridge, bears S. descend to
19.50	Dry wash, 50 lks. wide, 2 ft. deep, Course N. E.
	ascend.
40.00	Set a limestone 16 x 12 x 4 ins. 11 ins. in the
	ground, for 1/4 Sec. Cor., marked 1/4 on N. face;
	and raise a mound of stone 2 ft. base,
	1 1/2 ft. high, N. of Cor. Pit impracticable.
46.00	Top of ridge, bears N. and S.; descend 50 ft. to
50.25	Head of gulch, Course N. ascend
52.00	Point of ridge, 50 ft. high, bears N. and S. descend
54.20	Gulch, 50. ft. deep. Course N. W. ascend
71.40	Top of rocky ridge, bears N. E. and S. W. 200 ft. above 1/4 Cor. descend
80.00	Set a sandstone 20 x 16 x 10 ins. 15 ins. in the ground
	for Cor. of Tps. 16 and 17 S., Rs. 11 and 12 E. marked with
	6 notches on each edge; and raise a mound of
	stone 2 ft. base, 1 1/2 ft. high, S. of Cor. Pit
	impracticable.
	Land, broken.
	Soil, rocky - 4th rate.
	No timber.
	Mountainous land, 80.00 chs.

Sec. Cor. Notes Page 1. Note 1.

East boundary of T. 16 S. R. 11. E.

Chains.	
	From the cor. of Tps. 16 and 17 S. Rs. 11 and 12. E. I run
	North bet. Secs. 31 and 36.
	On a gradual ascent along E. slope of ridge through scattering cedars.
18.00	Foot of sandstone ledges, 20 ft. high,
18.50	Top of ledges. ascend gradually to
22.00	Top of ridge, 150 ft. above Tp. Cor. bears N. E. and S. W. descend
25.30	Descend over sandstone ledges 300 ft.
40.00	Set a conglomerate stone 18 x 14 x 5 ins. 12 ins. in the ground for 1/4 Sec. Cor, marked 1/4 on W. face; and raise a mound of stone 2 ft. base, 1/2 ft. high W. of Cor. Pits impracticable, descend to
42.00	Leave sandstone ledges, and at
46.00	Enter Cañon, Course N. E. leave cedars.
48.25	Dry wash in bottom of cañon, 40 lks. wide, 2 ft. deep, Course N. E. ascend
60.00	Point of ridge, 200 ft. high, bears E and W. descend.
80.00	Set a sandstone 16 x 10 x 10 ins. 11 ins. in the ground, for Cor. of Secs. 25. 30. 31 and 36, marked with 1 notch on S. and 5 notches on N. edges; and raise a mound of stone 2 ft. base 1/2 ft. high, W. of Cor. Pits impracticable.
	Land broken
	Soil, rocky - 4th rate.
	Timber, scattering cedars.
	Mountainous land, 80.00 ch.

	North bet. Secs. 25 & 30.
	Descend about 50 ft.
1.00	Enter Cañon, Course N. E.
1.10	Dry wash, 20 lks. wide, 2 ft. deep, Course N. E. ascend
10.00	Point of ridge, 100 ft. high. bears E. and W. descend
19.00	Dry wash in bottom of cañon 30 lks. wide, 2 ft. deep Course S. E. ascend sandstone ledges 300 ft. to
35.00	Top of ledges, enter scattering cedars.

East boundary of T. 16 S. R. 11. E. — Continued.

Chains.	
40.00	Set a Sandstone, 20×12×4 ins. 15 ins. in the ground, for 1/4 Sec. Cor. marked 1/4 on W. face; and raise a mound of Stones 2 ft. base, 1½ ft. high. W. of Cor. Pit impracticable. Leave Cedars, enter Plateau.
50.00	Set a Sand Stone, 18×10×10 ins. 12 ins. in the ground, for Cor. of Sec. 19. 24. 25 & 30, marked with 2 notches on S. and 4 notches on W. edges; dig Pits 18×15×12 ins. in each Sec. 6½ ft. dist. and raise a mound of earth 4 ft. base, 2 ft. high W. of Cor.
	Sand, broken.
	Soil rocky, 4th rate.
	Timber, Scattering Cedar.
	Mountainous Land. 50.00 Chs.

North bet. Secs. 19 & 24.

Ascend through Scattering Cedars to

12.00	Top of ridge, bears N. E. & S. W. 100 ft. above Sec. Cor. descend gradually.
21.00	Top of Sandstone Ledges 200 ft. high.
35.00	Foot of Ledges, descend gradually.
40.00	Set a Sandstone 16×14×3 ins. 11 ins. in the ground for 1/4 Sec. Cor., marked 1/4 on W. face; and raise a mound of Stones 2 ft. base, 1½ ft. high. W. of Cor. Pit impracticable
41.50	Top of Sandstone Ledges, 50 ft. high, bear E. & W.
45.30	Foot of Ledges. Head of Gulch, Course E. ascend
51.00	Top of low ridge, bears N. E. & S. W. descend.
56.60	Enter bottom & Cottonwood - leave Cedars.
63.40	Price River 50 lks. wide, 1 ft. deep, Course E.
70.00	Leave bottom & Cottonwood, enter Cedars, ascend Sandstone Ledges 50 ft. high
75.00	Top of ridge bears N. E. & S. W. descend.
77.50	Gulch, 50 ft. deep, Course S. W. ascend.
80.00	Set a Sandstone 16×8×6 ins. 12 ins. in the ground for Cor. of Secs. 13. 18. 19 & 24, marked with 3 Notches on S. & 3 notches on W. edge. And raise a mound of Stones 2 ft. base, 1½ ft.

East boundary of T. 16 S. R. 11 E. - Continued.

6 Chains.	High, W. of Cor. Pits impracticable. Land, broken. Soil, Gravelly & rocky - 3rd rate. Timber, Scattering Cedar & Cottonwood in bottom. Mountainous Land. 80.00 chs.
	North bet. Secs. 13 & 18 Enter Scattering Cedars. descend
2.40	Gulch, Course S. W. ascend Gradually along east Slope of ridge to
23.00	Top of ridge, 250 ft. above Sec. Cor. bears E. & W. descend 250 ft. to
35.30	Ravine, Course W. W.
36.10	Trail, bears N. W. & S. E. ascend.
39.00	Top of ridge, bears N. W. & S. E. descend 30 ft. to
40.00	Set a Sand Stone, 16 X 12 X 12 ins. 11 ins. in the Ground for 1/4 Sec. Cor. marked 1/4 on W. face; and raise a mound of Stone 2 ft. base 1½ ft. high, W. of Cor. Pits impracticable. Descend
49.00	Ravine, Course W. W. ascend
51.50	Top of ridge, 50 ft. high, bears N. W. & S. E. descend
55.90	Ravine, 100 ft. deep, Course W. W. ascend.
67.00	Point of ridge, 40 ft. high, bears N. W. & S. E. descend
66.40	Dry wash in ravine, Course W. W. ascend.
70.00	Top of ridge, bears S. W. & N. E. descend 40 ft. to
80.00	Set a Sandstone, 18 X 16 X 10, 12 ins. in the Ground, for Cor. of Secs. 7, 12, 13 & 18, marked with 4 notches on S. and 2 notches on N. edge; and raise a mound of Stone 2 ft. base, 1½ ft. high, W. of Cor. Pits impracticable. Land, broken. Soil, Gravelly & rocky - 3rd rate. Timber, Scattering Cedars. Mountainous Land, 80.00 chs. Sept. 13. 1895.

East boundary of T. 16 S. R. 11 E. - Continued.

Chains.	
	North bet. Secs. 4 and 12
	Descend 80 ft. to
18.00	Rocky Gulch, course N. W. ascend
29.00	Knoll 1 ch. in diam. on line, 150 ft. high, descend
40.00	Set a Sandstone 20 x 10 x 4 ins. 15 ins. in the Ground. for 1/4 Sec. Cor. marked 1/4 on W. face; and raise a mound of Stones 2 ft. base. 1/2 ft. high, W. of Cor. Pits impracticable. descend
40.60	Enter bottom and dense undergrowth.
45.00	Bend of Price River. 50 lks. wide, 1 ft. deep, Course S. W.
50.00	Bend of Price River. 50 lks. wide, 1 ft. deep, Course S. E.
52.00	Leave River bed
63.30	Dry Wash 50 lks wide. 10 ft. deep, Course West
74.00	Leave bottom and brush, ascend 100 ft. to
80.00	Set a Lava rock 20 x 12 x 5 ins: 15 ins. in the Ground for Cor. of Secs. 1. 6. 4. and 12, marked with 5 notches on S. and 1 notch on W. edge; and raise a mound of Stone 2 ft. base, 1/2 ft. high, W. of Cor. Pits impracticable Land broken and bottom. Soil, Sandy and rocky - 2nd and 4th Rate. No timber - Dense undergrowth of Sage & Greasewood Mountainous Land, & dense undergrowth 80.00 chs.

	North bet. Secs. 1 & 6.
	Ascend 50 ft. to
5.00	Top of ridge, bears N. E. and S. W. descend
10.90	Head of Gulch, Course S. W. ascend gradually
31.00	Top of ridge, bears E. and W. descend.
40.00	Set a Lava rock 16 x 10 x 5 ins. 11 ins. in the Ground, for 1/4 Sec. Cor.; Marked 1/4 on W. face; and raise a mound of Stone 2 ft. base, 1 1/2 ft. high, W. of Cor. Pits impracticable.
48.00	Descend rocky ridge 100 ft. to
51.00	Foot of rocky ridge
58.70	Dry Wash. 25 lks wide, 5 ft. deep, Course W.
78.05	Dry Wash. 20 lks wide 5 ft. deep, Course S. W.

East boundary of T. 16 S. R. 11 E. continued

Chains	
—	78.70

Intersect Third Standard Parallel S. 3.70 ch. W. of S. C. of Tps. 15 & 16 S.; which is an aspen post 8 ft. above ground, 4 in. sq., marked and witnessed as described by the Surveyor General.

Set an aspen post 8 ft. long, 4 in. sq., with marked Stone, 24 in. in the ground, for closing Cor. of Tp. 16 S. Rs. 11 & 12 E., marked

6. 6., T. 16 S. on S.,
R. 11 E., S. 6 on E.,
R. 11 E., S. 1. on W. face; with 6 Stones on S. E. & W. faces; dug pits, 30 x 24 x 12 in., Crosses on each line E. & W., 4 ft., and S. of Post 5 ft. dist.; and raised a mound of earth, 6 ft. base, 2½ ft. high, S. of Cor.

Land broken.
Soil, Gravelly & rocky - 3rd rate
No timber.
Mountainous Land. 78.70 chs.

Sept. 14. 1895.

General Description.

For general description, see Subdivision of Tp. 16 S. R. 11 E.

John V. Breckon
U. S. Dep. Surveyor.

Correction Notes of
South boundary of T. 16 S., R. 11 E.

Note 1 The cor. of Ts 16 and 17 S. Rs 11 and 12 E. is marked 16 S on S E.
12 E on S. E.
17 S on S W and
11 E on N. W. faces. and is an omission on the field notes.

John T. Beckrow
U. S. Deputy Surveyor.

Volume
#
R0244

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PAGE

List of Names.

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

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

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

.....

Final Oath of Assistants:

We hereby certify that we assisted .....

....., U. S. Deputy Surveyor, in surveying all the parts or portions of the .....

..... Meridian, ...

.....

going field notes as having been surveyed by him and under his direction; and that said survey has been in all cts, to the best of our knowledge and belief, well and faithfully surveyed, and the corner monuments established, rding to the instructions furnished by the U. S. Surveyor General for .....

.....

bscribed and sworn to before me this .....
day of ....., 18 .

SEAL

.....

.....

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95-19 Book

Final Oath of U. S. Deputy Surveyor.

I, _____, U. S. Deputy Survey

solemnly swear that, in pursuance of instructions received from _____,

Surveyor General for _____, bearing date of the _____

_____, 18 , I have well, faithfully, and truly, in my own proper person, and in

conformity with the instructions furnished by the U. S. Surveyor General for _____

surveying manual, and the laws of the United States, surveyed all those parts or portions of _____

_____

_____

_____

_____

_____Meridian, in the_____, as are represented in th

going field notes as having been surveyed by me, and under my directions; and I do further solemnly swear tl

the corners of said survey have been established and perpetuated in strict accordance with the surveying m

printed instructions, the special written instructions of the U. S. Surveyor General for_____

and in the specific manner described in the field notes, and that the foregoing are the true field notes of such su

and should any fraud be detected, I will suffer the penalty of perjury under the provisions of an Act of Co

approved August 8, 1846.

_____

U. S. Deputy Surv

Subscribed and sworn to before me this _____

day of _____, 18 .

SEAL

_____

_____

Approval.

Office of the U. S. Surveyor General,

Salt Lake City, Utah, June 30th, 189

The foregoing field notes of the survey of the South & East Bound

of Township 16 South Range 11 East of the Salt

Lake Base & Meridian, Utah

_____

_____

_____

_____

_____ execu

John J Beckton

under his Contract No. 199, dated March 5th, 1895, having been cri

examined, the necessary corrections and explanations made, the said field notes, and the surveys they descril

hereby approved.

George W Snow

U. S. Surveyor Gen

I certify that the foregoing transcript of the field notes of the above-described surveys in _____

_____, has been correctly copied from the original notes on file in this office.

_____

U. S. Surveyor Gen

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PAGE

(4—679.)

BOOK A-244

K.3.B.

FIELD NOTES

OF THE SURVEY OF

Subdivision

of

Township No. 16 South Range No. 11 East

Of the Salt Lake Base & Meridian,

in the Territory of Utah

AS SURVEYED BY

John T. Breckon, U. S. Deputy Surveyor,

der his Contract No. 199, dated March 5 1895.

y commenced September 14, 1895.

rvey completed September 23, 1895.

(12503—2,000.)

12-70-07 x

L 16-70-35 x

14 82 x

5.70 10

Names and Duties of Assistants.

Andrew F. Rieper	Chairman
John R. Bennett	Chairman
Parley P. Musser	Axeman
Wm. H. Irons	Axeman

BOOK A-244

INDEX DIAGRAM.

Township 16 S., *Range* 11 E.

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47	36 19	35 35 20	27 27 21	20 19. 22	12 12 23	4 4 24
48	34 30	33 33 29	26 25 28	19 18 27	11 10 26	3 2 25
49	32 31	31 31 · 32	25 24 33	17 16 34	9 9 35	2 1 36

Meanders Page.....

Preliminary Oaths of Assistants.

We, _____

_____

_____

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

_____

_____

_____

_____

_____, *Chainm*

_____, *Chainm*

_____, *Chainn*

_____, *Chainm*

Subscribed and sworn to before me this _____ day of _____, 18 .

_____

_____

We, _____

_____

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

_____

_____

_____

_____

Subscribed and sworn to before me this _____ day of _____, 18 .

_____, *Axem*

_____, *Axem*

_____

_____

_____

Subdivision of T. 16 S. R. 11 E.

Chains.	
	Survey Commenced Sept. 14. 1895, & executed with a Gurley Mountain Transit with Solar attachment. I examine the adjustments of the transit and correct the level & collimation errors, then to test the Solar apparatus, by Comparing its indications resulting from Solar observations, with a true meridian determined by observations on Polaris Sept. 12. 1895. I proceed as follows:-
	At the cor. of Secs. 2. 3. 34 & 35, on S. boundary of the Township, Lat. 39° 23' N., Long. 120° 42' W., at 10.40m A.M. L.m.t., I Set off 39° 23' on the Lat. arc; 3° 14' W. on the decl. arc; and observe the Sun on the meridian, and find same Corresponds with meridian established by observations on Polaris.
	I commence at the cor. of Secs. 1. 2. 35 & 36., on the S. bdy. of the Tp.
	Thence I run
	N. 0° 01' W. bet. Secs. 35 & 36.
	On a gradual ascent, & enter Scattering Cedars.
18.00	Rocky point, bears E. & W. descend 25 ft.
20.20	Rocky Gulch, Course S. E. ascend.
40.00	Set a limestone, 14 x 10 x 5 ins., 9 ins. in the Ground for 1/4 Sec. cor. marked 1/4 on W. face, and raise a mound of Stone 2 ft. base 1/2 ft. high, W. of cor. Pits impracticable. ascend 60 ft. to
40.50	Point of ridge, bears N. 6. & S. W. descend.
42.00.	Gulch, 40 ft deep, Course S. W. ascend.
48.00	Top of ridge, 300 ft. above Sec. Cor., bears N. W. & S. E. descend.
70.00	In bottom of ravine, Course N. W.
	Set a limestone, 16 x 12 x 6 ins., 11 ins. in the Ground, for Cor. of Secs. 25. 26. 35 & 36., marked with 1 notch on S. and 1 notch on E.

Subdivision of T. 16 S. R. 11 E. — Continued.

Chains.	edges; and raise a mound of Stone, 2 ft. base, 1½ ft. high, N. of Cor. Pits impracticable.
	Land, broken
	Soil, rocky, 4th. rate.
	Timber, Scattering Cedar.
	Mountainous land, 80.00 chs.
	East on a random line bet. Secs. 25 & 36
40.00	Set Temp. ¼ Sec. Cor.
80.00	Intersect E. bdy of Tp. at cor. of Secs. 25. 30. 31. & 36.
	Thence I run
	West on a true line, bet. Secs. 25 & 36.
1.00	Enter Canon, Course N. E. enter Scattering Cedars
2.50	Dry track 75 lks. wide, 2 ft. deep, Course N. E. ascend Sandstone ledges.
17.50	Top of ledges, 300 ft. high, ascend gradually.
40.00	Set a Sandstone 18 x 18 x 4 ins. 12 ins. in the ground for ¼ Sec. Cor., marked ¼ on N. face; and raise a mound of Stone 2 ft. base, 1½ ft. high, N. of Cor. Pits impracticable.
61.75	Top of ridge, bears N. & S. descend 50 ft. to
68.00	Ravine, Course N. W. ascend 50 ft. to
70.50	Top of ridge, bears N. W. & S. E. descend.
79.80	Bottom of ravine, Course N. W., ascend.
80.00	The Cor. of Secs. 25. 26. 35 & 36.
	Land, broken.
	Soil, Gravelly & rocky - 4th Rate.
	Timber, Scattering Cedars.
	Mountainous Land. 80.00 chs.
	N 0° 01' W. bet. Secs. 25 & 26.
	Ascend, through Scattering Cedars, 50 ft. to
8.50	Top of ridge, bears N. W. & S. E. descend.
28.60	Bottom of Canon, Course N. W. ascend
30.50	Ridge 200 ft. high, bears N. W. & S. E. descend.
40.00	Set a Sandstone 18 x 12 x 8 ins. 12 ins. in the ground, for ¼ Sec. Cor. marked ¼ on W. face and raise a mound of Stone 2 ft. base 1½ ft.

Subdivision of T. 16 S. R. 11 E. — Continued.

Chains.	
	Light, W. of Cor. Pits impracticable.
47.40	Bottom of Cañon, Course N. W. ascend.
58.00	Top of ridge, 100 ft. high, bears N. W. & S. E. descend
72.00	Head of Gulch, 50 ft. deep, Course N. W. ascend.
78.00	Top of ridge, 100 ft. high, bears N. W. & S. E. descend
80.00	Set a limestone, 16 x 12 x 5 ins. 11 ins. in the ground for Cor. of Secs. 23. 24. 25. & 26. marked with 2 notches on S. and 1 notch on E. edge; and raise a mound of Stone 2 ft. base, 1½ ft. high W. of Cor. Pits impracticable.
	Land, broken.
	Soil, rocky - 4th rate.
	Timber, Scattering Cedars.
	Mountainous Land, 80.00 Chs.

Back on a random line bet. Secs. 24 & 25.

40.00	Set temp. ¼ Sec. Cor.
80.00	Enter Sect. S. Bdy. of Tp. at Cor. of Secs. 19. 24. 25 & 30.
	Thence I run
	West on a true line bet. Secs. 24 & 25 —
	On a Gradual ascent.
13.00	Top of ridge, bears N. E. & S. W. 100 ft. above Sec. Cor. Enter Scattering Cedars. descend.
40.00	Set a Sandstone 18 x 12 x 5 ins. 12 ins. in the ground for ¼ Sec. Cor. marked ¼ on N. face; and raise a mound of Stone, 2 ft. base, 1½ ft. high N. of Cor. Pits impracticable.
41.00	Head of Gulch. 200 ft. deep, Course N. W. ascend.
63.00	Top of ridge, bears N. & S. descend Gradually 150 ft. to
80.00	The Cor of Secs. 23. 24. 25 & 26.
	Land, broken
	Soil, rocky, 4th rate.
	Timber, Scattering Cedars
	Mountainous Land, 80.00 Chs.

Sept. 14. 1895.

N 0° 01' W. bet. Secs. 23 & 24.

Subdivision of T. 16 S. R. 11 E. – Continued

	Chains.	On rocky descent, through scattering cedars, 100 ft. to
	5.50	Head of rocky gulch, Course N. W.
	12.40	Top of ridge, 100 ft. high, bears N. W. and S. E.
	27.00	Descend rocky hillside to
	32.50	Head of gulch, course N. W. descend along rocky east side of Cañon.
	40.00	Set a Sandstone, 20×12×8 ins. 15 ins. in the ground, for 1/4 Sec. cor., marked 1/4 on W. face; and raise a mound of stone 2 ft. base, 1/2 ft. high, W. of cor. Pits impracticable.
See cor notes No 3 page 266	52.20	Dry wash in bottom of Cañon, 30 lks wide, 3 ft. deep, Course E. ascend.
	57.00	Point of rocky ridge, 400 ft. high, bears E. and W. descend.
	69.00	Enter Cañon, Course N. E.
	70.05	Road, bears N. E. and S. W. ascend
	80.00	Set a Sandstone, 20×16×8 ins. 15 ins. in the ground for Cor of Secs. 13. 14. 23 and 24, marked with 3 notches on S., and 1 notch on E. edges; and raise a mound of stone 2 ft. base, 1/2 ft. high W. of cor. Pits impracticable. Land, broken. Soil, rocky, 4th. rate. Timber, scattering cedars. Mountainous land, 80.00 Chs.

September 15, at 9h 20m A. M. l. m. t. I set off 39°26' on the lat. arc, 2°5'N on the decl. arc; and determine a true meridian with Solar, at the cor. of Secs. 13. 14. 23 and 24.

		East on a random line bet. Secs. 13 and 24.
	40.00	Set temp 1/4 Sec. cor.
	80.20	Intersect E. bdy. of Tp. 5 lks. N. of cor. of Secs. 13. 18. 19 and 24

Thence I run

N. 89°58' W. on a true line bet. Secs. 13 and 2.

Descend, through scattering cedars.

Subdivision of T. 16 S. R. 11 East, — Continued.

Chains.	
1.10	Dry Gulch, course S. W. ascend.
4.70	Top of ridge, 50 ft high, bears N. & S. descend
19.15	Ravine, 40 ft. deep, Course S. W. ascend.
26.40	Top of ridge, bears N. & S. descend
34.50	Enter bottom & dense brush, leave cedars.
40.10	Set a Sandstone 16 x 15 x 9 ins, 12 ins. in the Ground for 1/4 Sec. Cor. marked 1/4 on N. face; dig Pits, 18 x 18 x 12 ins. E. & W. of Stone, 3 ft dist.; and raise a mound of earth, 3 ft. base, 1 1/2 ft. high, N. of Cor. H. P. Mellings' cabin bears S 30° 30' W., 24.00 chs dist.
42.00	Price River, 50 lks wide, 2 ft. deep, Course S.
54.40	Leave Price Canon, enter Canon, Course E.
76.56	Road, bears N. E. & S. W. leave brush
78.00	Ascend 50 ft. to
80.20	The Cor. of Secs. 13. 14. 23 & 24. Land broken. Soil, rocky and gravelly. 4th rate Timber scattering Cedars, & Cottonwoods along river. Mountainous land or dense undergrowth, 80.20 chs.

See corners No 3 page 267

	N 0° 01' W. bet Secs. 13 & 14.
	Ascend along West side of rocky ridge to
18.40	Top of ridge, 150 ft high, bears N. E. & S. W. descend.
35.00	Head of Gulch, Course W. ascend.
40.00	Set a Sandstone 20 x 12 x 3 ins. 15 ins. in the Ground, for 1/4 Sec. Cor. marked 1/4 on W. face, and raise a mound of Stone 2 ft. base 1 1/2 ft. high. W. of cor. Pits impracticable!
47.75	Top of ridge. bears E. & W. descend 50 ft. to
51.00	Bottom of ravine, Course E. ascend.
60.00	Point of ridge, 50 ft. high, bears E. & W. descend.
67.00	Gulch, Course E. ascend 150 ft. to

See corners No 3 page 267

Subdivision of T. 16 S. R. 11 E. – Continued.

Chains.

80.00 Set a limestone 16 x 10 x 5 ins. 11 ins. in the for cor of Secs. 11. 12. 13 and 14, marked with 4 notches on S., and 1 notch on E. edges; and raise a mound of Stone 2 ft. base, 1½ ft. high, W. of Cor. Pits impracticable.
See corresponding page 267.
Land, broken,
Soil rocky. 4th rate.
No timber.
Mountainous Land, 80.00 Chs.

S. 89° 55' E. on a random line bet. Secs. 12 and 13.

40.00 Set Limp. ¼ Sec. Cor.

80.40 Intersect E. bdy. of Tp. 5 Nth. R. of Cor. of Secs. 7. 12. 13 and 18.

Thence I run

N. 89° 56' W. on a True line bet. Secs. 12 and 13. On a gradual descent about 100 ft. over Gravelly ridge to

32.50 Enter bottom and dense Sage and Greasewood brush

33.50 Price River, 50 Lks. wide, 2 ft. deep, Course S.

39.40 Leave bottom and brush, ascend

40.20 A limestone, in Place, 4 x 4 ins x 2 ft above Ground, for ¼ Sec. cor; marked with a X at the exact Cor. Point and ¼ S. on W. face; and raise a mound of Stone 2 ft. base, 1½ ft. high, W. of Cor. Pits impracticable.
See corresponding page 268.
Ascend 100 ft. over rocky ledges to

45.50 Top of ledges

46.00 Point of ridge, bears N. and S. descend.

60.00 Ravine, Course N. E. ascend 100 ft. to

69.00 Top of ridge, bears N. and S. descend.

79.10 Gulch, Course S. ascend

80.40 The cor. of Secs. 11. 12. 13 and 14.

Land, broken.
Soil Gravelly and rocky, 4th rate
No timber
Mountainous land, 80.40 Chs.

Subdivision of T. 16 S. R. 11 E. — Continued

Chains	
	N. 0° 01' W. bet. Secs. 11 & 12
	Ascend 20 ft. to
1.70	Top of ridge, bears E. & W. descend
15.50	Top of Sandstone ledge, descend 50 ft. to
18.00	Leave ledges
26.40	Ravine, Course N. E. ascend
30.00	Point of ridge, 50 ft. high, bears E. & W. descend.
35.70	Ravine, Course S. E. ascend.
40.00	Set a Sandstone 16 x 12 x 5 ins. 11 ins. in the Ground for 1/4 Sec. marked 1/4 on W. face; & raise a mound of Stone 2 ft. base 1½ ft. high W. of Cor. Pits impracticable.
55.00	Top of ridge, 50 ft. high, bears E. & W. descend
59.00	Head of Gulch, Course N. W. ascend
67.50	Point of ridge, 60 ft. high, bears N. W. & S. E. descend
78.20	Bottom of Gulch, Course N. E. ascend.
80.00	Set a Lava rock 20 x 16 x 10 ins. 15 ins. in the Ground for Cor. to Secs. 1. 2. 11. & 12., marked with 3 notch on S. and 1 notch on E. edges; and raise a mound of Stone 2 ft. base 1½ ft high W. of Cor. Pits impracticable.
	Land broken
	Soil Gravelly & rocky, 3rd rate.
	No timber.
	Mountainous Land 80.00 chs

See corners No 3 page 269

	S. 89° 56' E. on a random line bet. Secs. 1 & 12
40.00	Set temp. 1/4 Sec. Cor.
80.60	Intersect E. bdy. of Tp. at Cor. of Secs. 1. 6. 7 & 12.
	Thence I run
	N. 89° 56' W. on a true line bet. Secs. 1 & 12
	On a Gradual descent.
10.40	Bottom of Gulch, Course S. W. ascend.
20.40	Descend
28.40	Enter bottom & dense Sage brush & Greasewood
31.40	Price River, 80 lks. wide, 1 ft. deep, Course S. E.
36.60	Price River, 50 lks. wide, 1 ft. deep, Course N. E.
40.30	Set a Sandstone 16 x 12 x 6 ins. 11 ins. in the

See corners No 3 page 269

Subdivision of T 16 S. R. 11 E. — Continued.

	Chain Round for 1/4 Sec. Cor., marked 1/4 on N. face; dig pit 15×15×12 ins. E. & W. of Cor. 3 ft. dist.; and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high N. of cor.
	44.60 Price River, 100 lks. wide, 1 ft. deep. Course S.
	45.60 Cabin, bears S. 4.50 chs.
See corner No 3 page 269	57.10 Leave bottom & track, ascend 200 ft. to
	60.60 Top of ridge, bears N. & S. descend
	70.20 Bottom of gulch, Course N. E. ascend
	80.60 The Cor. of Secs. 1. 2. 11 & 12.
	Land, broken & bottom.
	Soil, Sandy & rocky — 2nd & 4th rate
	No timber, dense undergrowth of Sage & Grease wood.
	Mountainous land & dense brush 80.60 chs.
	Sept. 15. 1895.

	N 0° 01' W. bet. Secs. 1 & 2.
	Ascend about 40 ft. to
12.50	Top of ridge, bears E. & W. descend 150 ft. to
25.50	Bottom of ravine, Course E. ascend.
38.00	Ridge, 140 ft. high, bears E & W. descend.
40.00	Set a boulder, 16×14×10 ins. 11 ins in the ground for 1/4 Sec. Cor. marked 1/4 on W. face; and raise a mound of Stone 2 ft. base, 1 1/2 ft. high W. of cor. Pit impracticable.
	Mc Ginnis' Corral bears S. 54° E. 38 chs.
See corner No 2 page 270	51.40 Ravine. 50 ft. deep, Course E. ascend
	52.50 Top of ridge, bears N. E. & S. W. descend
	54.90 Ditch, 5 lks. wide, 6 ins. deep. Course N. E.
	58.05 Road, bears E. & W.
	58.50 Intersect Third Standard Parallel S. 3.74 chs. W. of S. Cor. Secs. 35 & 36, & which is a Sandstone 10×12×5 ins. above ground, marked, and witnessed as described by the Surveyor General.
	Set a Sandstone 24×16×3 ins. 15 ins. in the ground for C. C. of Secs. 1 & 2. T. 16 S. R. 11 E. marked C. C. on S.; with 1 groove on E. and 5 grooves on W. faces; dig pits 24×12×8 ins. Crossties on each

Subdivision of T. 16 S. R. 11 E. — Continued.

Chains	line E. & W. 3 ft. & S. of Stone, 4 ft. deep; and raise a mound of earth, 4 ft. base, 2 ft. high, S. of Cor.
	Land, broken.
	Soil, Gravelly & rocky - 3rd rate.
	No timber.
	Mountainous land, 48.50 chs.
	From the cor. to Secs 2-3-34 & 35. on S. boundary of Tp. as heretofore established
	Run N 0° 01' W. bet. Secs. 34 & 35.
	On a Radial descent through Scattering Cedars, 50 ft. to
4.20	Head of rocky gulch, Course W. ascend.
15.00	Top of ridge, bears E & W. descend.
40.00	Set a Sandstone 16 x 12 x 6 ins. 11 ins. in the Ground for 1/4 Sec. Cor., marked 1/4 on W. face; and raise a mound of Stone 2 ft. base 1 1/2 ft. high. W. of Cor. Pits impracticable.
40.40	Top of Sandstone ledge 40 ft. high, descend
45.00	Bottom of Ravine 100 ft. deep, Course N. W. ascend
46.10	Top of ridge, bears E & W. descend 100 ft. &
52.00	Bottom of Cañon, Course W. ascend.
54.00	Top of ridge bears E. & W. descend gradually along E. Slope of ridge.
80.00	Set a Sandstone 18 x 12 x 6 ins. 12 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, 1 1/2 ft. high W. of cor. Pits impracticable.
	Land. broken.
	Soil, Gravelly & rocky 4th rate
	Timber Scattering Cedars
	Mountainous land. 80.00 Chs.
	East on a random line bet. Secs. 26 & 35.
40.00	Set temp. 1/4 Sec. cor.
80.06	Intersect W. & E. line at Cor. of Secs. 25. 26. 35 & 36.
	Thence I run
	West on a true line bet. Secs. 26 & 35.

Subdivision of T. 16 S. R. 11 E. - Continued.

Chains	
	On steep ascent, enter Cedars
5.50	Point of ridge bears N. E. & S. W. descend 100 ft.
10.70	Ravine, course N. E. ascend 80 ft. to
19.00	Top of ridge, bears N. & S. descend over broken Plateau
40.03	Set a Sandstone 18 x 10 x 8 ins. 12 ins. in the Ground, for 1/4 Sec. Cor., marked 1/4 on N. face; and raise a mound of Stone 2 ft. base 1½ ft. high, N. of Cor. Pits impracticable.
59.00	Head of Canon Course N.
71.00	Bottom of canon Course N. ascend
80.06	The Cor of Secs 26. 24. 34 & 35.
	Land, broken.
	Soil, Gravelly & rocky - 4th rate.
	Timber, Scattering Cedars.
	Mountainous Land. 80.06 chs.

N 0° 01' W. bet. Secs 26 & 24.

	Descend, through Scattering Cedars, 50 ft. to
2.00	Head of Gulch, Course E. ascend.
12.00	Point of ridge, 80 ft. high, bears E. & W. descend
24.00	Bottom of Canon 150 ft. deep, Course N. W. ascend
30.00	Point of ridge, 100 ft. high, bears N. W. & S. E. descend.
40.00	Set a Sandstone 20 x 14 x 8 ins. 15 ins. in the Ground, for 1/4 Sec. Cor. marked 1/4 on W. face; and raise a mound of Stone 2 ft. base, 1½ ft. high W. of Cor. Pits impracticable.
	Leave Cedars, enter bottom & brush.
49.10	Dry wash, 40 lks. wide 4 ft. deep, Course E. ascend
52.10	Leave bottom & brush.
54.00	Point of ridge, 50 ft. high, bears E. & W. descend
67.00	Gulch. Course E. ascend Sandstone ledges 100 ft. to
72.00	Top of ledges, on ridge, bears N. & S. W. descend 60 ft. to
78.00	Bottom of Gulch, Course N. E. ascend 20 ft. to
80.00	Set a boulder 14 x 10 x 8 ins. 9 ins. in the Ground, for Cor. of Secs. 22. 23. 26 & 24

Subdivision of T. 16 S. R. 11 E. – Continued.

Chains	
	marked with 2 notches on S. and 2 notches on E. edges; and raise a mound of Stone 2 ft. base 1½ ft. high N. of Cor. Pit impracticable.
	Land, broken.
	Soil, rocky & gravelly, 4th rate.
	Timber, scattering Cedars & dense undergrowth.
	Mountainous Land, 80.00 Ch.
	Cast on a random line bet. Sec. 23 & 26
40.00	Set temp. ¼ Sec. Cor.
80.04	Intersect N. & S. line 5 lks. N. of Cor. of Secs. 23. 24. 25 & 26
	Thence I run
	N. 89° 55' W. on a true line bet. Secs. 23 & 26.
	Descend through scattering Cedars, 60 ft. to
15.90	Bottom of Canon, Course N. W. ascend
40.02	Set a Sandstone, 18 x 12 x 5 ins. 12 ins. in the Ground for ¼ Sec. Cor, marked ¼ on N. face and raise a mound of Stone 2 ft. base, 1½ ft. high, N. of Cor. Pit impracticable.
40.90	On top of ridge, bears N. & S. descend.
52.00	Leave Cedars, enter bottom & brush
55.40	Dry wash, 50 lks. wide, 4 ft. deep, Course N. E.
65.50	Leave bottom & brush, ascend Sandstone ledges 50 ft. to
73.00	Top of Sandstone ledges, bears N. E. & S. W.
76.50	Top of ridge, bears N. E. & S. W. descend 40 ft. to
77.50	Head of Gulch, Course N. E. ascend
80.04	The Cor. of Secs. 22. 23. 26 & 27.
	Land, broken.
	Soil, gravelly & rocky, 4th rate.
	Timber, scattering Cedars
	Mountainous Land, 80.04 chs.
	September 16. at 3h 40m P.M. l.m.t. I set off 39° 25' on the Lat. arc; 2° 28' on the Decl. arc; and determine a true meridian with the Solar, at the Cor. of Secs 22. 23. 26 & 27.

Subdivision of T. 16 S. R. 11. E. Continued.

	Chains	
		N. 0° 01' W. bet. Secs. 22 and 23.
		Ascend through Scattering Cedars 80 ft. to
	8.00	Top of ridge, bears E. and W. descend
	12.40	Head of ravine, Course E. ascend
	21.60	Top of ridge, bears N. E. and S. W. descend.
	40.00	Set a Sandstone 20 x 10 x 4 ins. 15 ins. in the Ground, for 1/4 Sec. Cor., marked 1/4 on W. face; and raise a mound of Stone 2 ft. base 1/2 ft. high W. of Cor. Pits impracticable.
	40.90	Bottom of ravine, Course N. E. ascend
	44.50	Top of ridge, 100 ft. high, bears N. E & S. W descend.
See corners No 3 page 271	55.00	Ravine, Course N. E. ascend 100 ft to
	64.00	Top of ridge bears N. E. and S. W. descend
	79.50	Enter bottom, and brush.
	80.00	Set a boulder 16 x 12 x 8 ins. 12 ins. in the Ground, for Cor. of Secs. 14. 15. 22 and 23 marked with 3 notches on S. and 2 notches on E. edges and raise a mound of Stone 2 ft. base, 1/2 ft. high, W. of Cor. Pits impracticable. Land, broken. Soil, Gravelly and rocky - 4th. rate. Timber, Scattering Cedars. Mountainous Land, 80.00 chs. Sept. 16. 1895.

		S. 89° 58' E. on a random line bet. Secs 14 and 23.
	40.00	Set temp. 1/4 Sec. Cor.
	80.00	Intersect N. and S. Lines at Cor of Secs. 13. 14. 23 and 24.
		Thence I run
See corners No 3 page 272		N. 89° 58' W. on a true line bet. Secs 14 and 23.
		Ascend Steep Bluffs 50 ft. to
	1.50	Top of ridge, bears N. and S.
	6.50	Descend over Steep Bluffs 30 ft. to
	12.40	Enter bottom, Road, bears N. W. and S. E.
	13.50	Dry Wash, 40 lks. wide, 3 ft. deep, Course S. E. ascend.

Subdivision of T. 16 S. R. 11 E. - Continued.

Chains		
28.20	Top of ridge, bears N. & S. descend.	
29.70	Top of bluff, 75 ft. high, bears N. E. & S. W.	
36.50	Enter bottom, dry wash 30 lks wide, 4 ft. deep, Course N. E. enter dense underbrush.	
40.00	Set a Sandstone 12 x 10 x 6 ins. 5 ins in the Ground for 1/4 Sec. Cor., marked 1/4 on N. face; and raise a mound of Stone 2 ft. base, 1½ ft. high N. of Cor. Pits impracticable.	
41.90	Dry wash, 30 lks wide, 4 ft. deep, Course S. E.	See notes No 3 page 272
52.00	Leave bottom and brush, ascend. 35 ft. to	
54.50	Top of point, bears N. & S. descend	
59.00	Enter bottom & dense underbrush.	
60.00	Dry wash, 30 lks. wide, 4 ft. deep, Course N.	
78.00	Dry wash. 30 lks. wide, 4 ft. deep. Course S. E.	
79.00	Ascend	
80.00	The Cor. of Secs. 14. 15. 22 & 23. Land, broken & bottom. Soil. Gravelly & rocky, 3rd & 4th rate. No timber, dense underbrush of Sage & Rabbitwood. Mountainous land or dense underbrush, 80.00 ch.	

N 0° 01' W., bet Secs. 14 & 15.
Enter bottom and dense underbrush.

3.00	Dry wash, 30 lks. wide, 4 ft. deep, Course S. E.	
5.30	Road, bears N. W. & S. E.	
20.00	Leave bottom and brush, ascend	
22.10	Top of ridge, 50 ft. high, bears N. W. & S. E. descend 60 ft. to	
24.95	Bottom of Gulch, Course S. E. ascend	
32.50	Top of ridge, 50 ft. high, bears E & W. descend.	See notes No 3 page 272
40.00	Set a boulder 12 x 8 x 6 ins. 5 ins. in the Ground, for 1/4 Sec. Cor., marked 1/4 on N. face; and raise a mound of Stone 2 ft. base, 1½ ft. high, N. of Cor. Pits impracticable;	
40.90	Bottom of ravine, Course E. ascend.	
47.00	Point of ridge, 45 ft. high, bears E & W descend	
57.00	Road, bears N. W. & S. E. enter bottom & brush.	
78.55	Road, bears N. E & S. W.	

Subdivision of T. 16 S. R. 11 E. – Continued

	Chains	
	80.00	Set a Sandstone, 24 × 12 × 6 ins. 18 ins. in the ground for Cor. of Secs. 10. 11. 14 & 15., marked with 4 notches on S., and 2 notches on E. edges; dig pits 18 × 18 × 12 ins. in each Sec., 5 ft. dist., and raise a mound of earth, 4 ft. base, 2 ft. high, W. of Cor.
		Land, broken & bottom.
		Soil, Sandy & gravelly. 3rd rate
		No timber, dense undergrowth of Sage & Greasewood.
		Mountainous land & dense undergrowth, 57.00 chs.
		S. 89° 58' E., on a random line bet. Secs. 11 & 14
	40.00	Set temp 1/4 Sec. cor.
	80.00	Intersect N. & S. line 5 lks. N. of Cor of Secs. 11. 12. 13 & 14.
		Thence I run.
		N. 89° 56' W. on a true line bet. Secs. 11 & 14 on a gradual descent.
See cor. note No. 3 page 272	40.00	Set a limestone 20 × 12 × 4 ins. 15 ins. in the ground for 1/4 Sec. Cor., marked 1/4 on N. face; and raise a mound of Stone 2 ft. base, 1/2 ft. high. N. of Cor. Pits impracticable.
	72.00	Enter bottom
	74.20	Dry wash in ravine 50 lks. wide, 8 ft. deep, Course S. ascend
	79.05	Road, bears N. & S.
	80.00	The Cor. of Secs. 10. 11. 14 & 15.
		Land, rolling.
		Soil, gravelly & rocky. 4th rate.
		No timber
		Mountainous land, 72.00 chs.
		No° 01' W. bet. Secs. 10 & 11.
		Over flat
See cor. note No. 3 page 272	6.40	Dry wash, 30 lks. wide 4 ft. deep, Course S. E. ascend
	7.90	Road, bears N. W. & S. E.
	32.00	Top of rocky point, 50 ft. above Sec. Cor. descend
	34.10	Gulch, Course S. W. ascend

Subdivision of T. 16 S. R. 11 E. – Continued.

Chains	
40.00	Set a lava rock 16 × 14 × 10 ins. 11 ins. in the ground for 1/4 Sec. Cor., marked 1/4 on W. face; dig Pits 18 × 18 × 12 ins. N. & S. of Stone 3 ft. dist., and raise a mound of earth 3 ft. base, 1½ ft. high, W. of Cor.
45.20	Road, bears N. E. and S. W.
80.00	Set a lava rock 16 × 12 × 6 ins. 11 ins. in the ground for Cor. of Secs. 2. 3. 10 & 11., marked with 5 notches on S., and 2 notches on E. edges; dig pits 18 × 18 × 12 ins., in each Sec., 5 ft. dist.; and raise a mound of earth 4 ft. base, 2 ft. high, W. of Cor. (See corner Bk 3 page 274)
	Land, rolling
	Soil, Sandy 2nd rate
	No timber.
	Mountainous Land, 80.00 chs.

	S. 89° 56' E. on a random line bet. Secs. 2 & 11.
40.00	Set temp. 1/4 Sec. Cor.
80.00	Intersect N. & S. line at Cor. of Secs. 1. 2. 11 & 12
	Thence I run
	N. 89° 56' W. on a true line bet. Secs. 2 & 11.
	Ascend S. side of ravine 5.0 ft. to
14.00	Top of ridge bears N. & S. descend.
25.50	Bottom of ravine, Course N. ascend.
38.40	Top of ridge 40 ft. high, bears N. & S. descend.
40.00	Set a lava rock 20 × 12 × 12 ins. 15 ins. in the ground for 1/4 Sec. Cor. Marked 1/4 on N. face; and raise a mound of Stone 2 ft. base 1½ ft. high, N. of Cor. Pits impracticable. (See corner Bk 3 page 274)
44.00	Bottom of ravine; Course N. ascend
64.50	Top of ridge, bears N. & S. descend 50 ft. to
93.25	Road, bears N. E. & S. W.
80.00	The Cor of Secs. 2. 3. 10. & 11
	Land, broken
	Soil, Gravelly & rocky 3rd & 4th rate.
	No timber.

Subdivision of T. 16 S. R. 11 E. — Continued.

6 mis Mountainous Land, 80.00 chs.

0° 01 W. bet Secs. 2 & 3.
On a gradual ascent
40.00 Set a Lava rock 18×12×4 ins. 12 ins in the Ground for 1/4 Sec. Cor., marked 1/4 on W. face; dig Pits 18×18×12 ins. N. & S. of cor. 3 ft. dist., and raise a mound of earth 3/2 ft. base, 1/2 ft high W. of Cor. Descend Gradually.
47.35 Intersect Third Standard Parallel South 3.08 chs. W. of S.C. of Secs. 34 & 35, which is a Sand-Stone 10×12×5 ins., marked and witnessed as described by the Surveyor General.
Set a Sandstone 16×12×3 ins 11 ins in the Ground for Closing Cor. of Secs. 2 & 3. T. 16 S. R. 11 E. marked C. C on S., with 2 grooves on E, and 4 grooves on W. faces; dig Pits 24×12×5 ins. Crosswise on each line E. & W. 3 ft. & S. of Stone, 4 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, S. of Cor.
Land rolling
Soil, Sandy, 2nd rate.
No timber.
Mountainous Land 47.35 chs.
Sept. 14. 1895.

See corner No 3. page 275

From Cor of Secs. 3. 4. 33 & 34 on the S. bdy. of the Tp. which is limestone 6×6×5 ins. above , marked & witnessed as described by the Surveyor General I run
N. 0° 02' W. bet Secs. 33 & 34
On a gradual descent through Scattering Cedars
11.60 Gulch, 50 ft. below Sec. Cor. Course N. W.
24.50 Point of ridge 50 ft. high, bears N. W. & S. E. descend.
29.50 Bottom of Gulch, Course N. W. ascend.
32.20 Top of ridge, 50 ft. high, bears N. W. & S. E. descend.
40.00 Set a Sandstone, 16×13×10 ins. 11 ins. in the ound, for 1/4 Sec. Cor., marked 1/4 on W. face;

Subdivision of T. 16 S. R. 11 E. – Continued

Chains	
	and raise a mound of stone, 2 ft. base, 1/2 ft. high. W. of Cor. Pits impracticable.
40.40	Bottom of ravine. Dry wash, 50 lks. wide, 2 ft. deep, course N. W. ascend
52.50	Point of ridge, 80 ft high, bears N. W. & S. E. Descend.
61.50	Outer bottom & brush. leave cedars.
64.90	Dry wash, 30 lks wide, 2 ft. deep, course N. E.
80.00	Set a sandstone, 16 x 12 x 8 ins. 11 ins. in the ground for Cor. of Secs. 27, 28, 33 & 34, marked with 1 notch on S., and 3 notches on E. edges; and raise a mound of stone, 2 ft. base, 1/2 ft. high. W of Cor. Pits impracticable.
	Land, broken.
	Soil, gravelly & rocky, 4th rate.
	Timber, scattering cedars.
	Mountainous land or dense brush 80.00 ch.
	September 18. at 9h 40m A.M. l.m.t. I set off 39°24' on the lat arc; 1°47' on the decl arc; and determine a true meridian with the solar, at the cor. of Secs. 27, 28, 33 & 34.
	Past on a random line bet. Secs. 27 & 34.
40.00	Set temp. 1/4 Sec. Cor.
79.98	Intersect N. & S. line 5 lks. S. of Cor. of Secs. 26, 27, 34 & 35
	Thence I run
	S. 89°58' W. on a true line bet. Secs. 27 & 34.
	Ascend through scattering cedars
4.50	Top of ridge, 25 ft. above Sec. cor. bears N. & S. descend.
25.50	Bottom of rocky ravine, course N.
30.00	Top of ridge, 80 ft. high, bears N. & S. descend.
35.00	Bottom of ravine, course N. ascend.
39.70	Point, 50 ft. high, of ridge bears N. & S.
39.99	Set a sandstone, 16 x 10 x 8 ins. 11 ins. in the ground for 1/4 Sec. Cor., marked 1/4 on N. face; and raise a mound of stone, 2 ft. base, 1/2 ft. high N. of Cor. Pits impracticable.

Subdivision of T. 16 S. R. 11 E. – Continued.

Chains	
40.20	Descend bluff 30 ft. to
41.00	Dry bed of Creek, 100 lks. wide, 3 ft. deep. Course N. E. enter bottom & brush and leave Cedars.
45.60	Dry bed of Creek, 40 lks. wide, 3 ft. deep, Course S. E.
49.00	Dry wash. 20 lks wide, 2 ft. deep. Course N.
54.20	Dry bed of creek. 40 lks. wide, 3 ft. deep, Course N. E.
63.00	Leave bottom & brush, ascend.
68.00	Point of ridge, 200 ft high, bear N. & S. descend
74.00	Top of steep bluff, bear S. E. & N. W. descend 50 ft. to
74.20	Foot of bluff. Dry bed of Creek, 40 lks. wide, 3 ft. deep, Course S. E.
79.9	The Cor. of Secs. 24, 25, 35 & 36. Land, broken Soil, gravelly & rocky – 4th rate. Timber, scattering Cedars Mountainous land or dense brush, 79.9 Chs.
	0°02' W. bet. Secs. 24 & 25. Enter brush on bottom.
2.50	Dry bed of creek, 40 lks. wide, 3 ft. deep, Course N. E.
20.40	brush end 100 ft. to
30.50	Top of ridge, bear E. and N. descend.
38.00	Bottom of rocky gulch, 150 ft. deep, Course E. ascend.
40.00	Set a lava rock 16 x 10 x 6 ins. 11 ins. in the Ground for 1/4 Sec. Cor., marked 1/4 on N. face; and raise a mound of Stone, 2 ft. base 1 1/2 ft. high N. of Cor. Pits impracticable.
41.40	Top of ridge, 100 ft. high, bear E & N. desc
49.30	Gulch; Course E. ascend 50 ft. to
62.50	Top of ridge, bear E & West descend
75.60	Bottom of Gulch, 50 ft. deep, Course N. W.
80.00	Set a lava rock, 16 x 10 x 8 ins. 12 ins in the

Subdivision of T. 16 S. R. 11 E. – Continued.

Chains	
	Found, for Cor. of Secs. 21. 22. 27 and 28, marked with 2 notches on S. and 3 notches on E. edges; and raise a mound of Stone, 2 ft. base 1½ ft. high, N. of Cor. Pit impracticable.
	Land broken
	Soil, rocky, 4th rate.
	No timber
	Mountainous land or dense undergrowth, 80.00 ch.
	N. 89° 58' 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 & 27. Thence I run
	S. 89° 58' W. on a true line bet. Secs. 22 and 27.
	Ascend 50 ft. to
7.46	Top of ridge, bears N. and S. descend.
10.96	Bottom of Gulch, Course S. ascend
39.95	Set a Sandstone 16 x 12 x 5 ins. 12 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N. face; and raise a mound of Stone 2 ft. base, 1½ ft. high N. of Cor. Pit impracticable.
40.20	Top of rocky ridge, 50 ft. high, bears N. and S. descend
48.00	Bottom of ravine, Course N. ascend 100 ft. to
61.50	Top of rocky ridge, bears N. and S. descend.
68.50	Bottom of Gulch, Course N. W. ascend 50 ft. to
75.10	Point of rocky ridge bears N. W. and S. E. descend 50 ft. to
79.96	The Cor. of Secs. 21. 22. 27 and 28.
	Land, broken
	Soil, rocky, 4th rate.
	No timber.
	Mountainous land, 79.96 ch.
	N. 0° 02 W. bet. Secs. 21 and 22.
	Descend 80 ft. to
12.10	Bottom of Gulch, Course E. ascend.
14.40	Point of rocky ridge 50 ft. high, bears N. E. and S. W. descend.

Subdivision of T. 16 S. R. 11 E. – Continued

	Chains	
	19.50	Ravine, Course N. E. ascend.
	24.00	Top of ridge 50 ft. high, bears N. E. and S. W. descend.
	35.15	Bottom of ravine, Course N. E. ascend.
	40.00	Set a lava rock 18 x 12 x 5 ins. 12 ins. in the Ground for 1/4 Sec. Cor. marked 1/4 on W. face; and raise a mound of Stone 2 ft. base, 1½ ft. high W. of Cor. Pit impracticable.
	43.00	Top of ridge, 50 ft. above Cor. bears N. E. and S. W. descend.
See corner No 3 page 276	54.45	Bottom of ravine, Course N. Road, bears E. and W. ascend.
	64.00	Top of rocky ridge 50 ft. high, bears E. and W. descend
	66.00	Enter bottom and brush.
	66.30	Dry Wash 30 lks. wide 5 ft. deep, Course E.
	72.00	Leave bottom and brush ascend
	80.00	Set a Sandstone 16 x 12 x 5 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; and raise a mound of Stone, 2 ft. base, 1½ ft. high, W. of Cor. Pit impracticable. Land, Broken, Soil, Gravelly and rocky. 4 lb. rate. No timber. Mountainous Land or dense Undergrowth Brush.
		N 89° 55' E. on a random line bet. Secs. 15 and 22
	40.00	Set. temp. 1/4 Sec. Cor.
	79.94	Intersect N. and S. line 5 lks. E. of Cor. of Secs. 14. 15. 22 and 23.
		Thence I run S. 89° 55' W. on a true line bet. Secs. 15 and 22.
		Enter bottom and dense brush.
	10.10	Dry Wash, 50 lks. wide, 4 ft. deep, Course N. E.
See corner No 3 page 276	13.20	Road, bears N. E. and S. W.
	21.00	Leave bottom and brush ascend
	25.00	Top of ridge, 50 ft. high, bears N. and S. descend

Subdivision of T. 16 S. R. 11 E. – Continued.

Chains		
34.50	Enter bottom and brush.	
39.97	Set a Sandstone, 16 × 12 × 5 ins. 12 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on N. face; dig Pits 18 × 18 × 12 ins. E. and W. of stone, 3 ft. dist., and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high, N. of Cor.	
69.00	Leave bottom and brush, ascend.	
79.94	The Cor. of Secs. 15. 16. 21 and 22.	See cor notes No 3 page 276
55.50	Land, rolling and bottom.	
24.44	Soil, Sandy and Gravelly 3rd rate.	
	No timber.	
	Dense breeshore 55.50 chs	
	Sept 18. 1895.	

	No° 02' W. bet Secs. 15 and 16	
	On a gradual ascent	
25.00	Point of ridge, 100 ft above Sec. Cor. bears N. W. and S. E. descend	
39.20	Dry wash, 8 lks wide. 2 ft. deep, Course S. E.	
40.00	Set a Sandstone, 16 × 12 × 10 ins. 12 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on W. face; dig Pits 18 × 18 × 12 ins. N. and S. of stone, 3 ft. dist.; and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high, W. of Cor.	
42.00	ascend	
55.10	Top of ridge, 80 ft. high, bears N. W. and S. E. descend.	See cor notes No 3 page 277
80.00	Set a Sandstone, 18 × 14 × 6 ins. 12 ins in the ground, for Cor. of Secs. 9. 10. 15 and 16, marked with 4 notches on S. and 3 notches on E. edges. dig Pits 18 × 18 × 12 ins. in each Sec. 5 1/2 ft. dist., and raise a mound of earth, 4 ft. base, 2 ft. high, W. of Cor.	
	Land, rolling and broken	
	Soil, Sandy and Gravelly. 3rd rate	
	No. timber.	
	September 19., at 10h 05m A.M. l.m.t. I set off 39° 26' on the lat. arc; 1° 23' N on the decl. arc; and determine a true meridian with the Solar at [illegible]	

Subdivision of T. 16 S. R. 11 E. – Continued.

6 ans	N. 89°56' E. on a random line bet. Secs. 10 and 15.
40.00	Set temp. 1/4 Sec. Cor.
9.94	Intersect N. and S. line at Cor. of Secs. 10. 11. 14 and 15
	Thence I run
	S. 89°56' W. on a true line bet. Secs. 10 and 15.
	Enter flat
5.00	Ascend ovtr broken hills to
29.90	Top of ridge, 150 ft. above Sec. Cor. bears N. and S.
	descend, ovtr low broken hills
39.94	Set a Sandstone, 16 x 10 x 8 ins. 12 ins. in the ground, for 1/4 Sec. Cor. marked 1/4 on N. face dig Pits 18 x 18 x 12 ins E. and W. of Stone 3 ft. dist. and raise a mound of earth 3½ ft. base, 1½ ft. high, N. of Cor.
55.00	Enter flat, on gradual ascent
79.94	The Cor. of Secs. 9. 10. 15 and 16.
	Land, rolling
	Soil, Sandy and gravelly, 3rd rate.
	No timber.
	N 0°02' W. bet. Secs 9 and 10
	On a gradual descent ovtr rolling ground.
40.00	Set a Sandstone, 22 x 10 x 4 ins. 16 ins. in the ground, for 1/4 Sec. Cor. marked 1/4 on W. face; dig Pits 18 x 18 x 12 ins. N. and S. of Stone, 3 ft. dist., and raise a mound of earth 3½ ft. base, 1½ ft. high, W. of Cor.
65.20	Enter bottom and brush.
2.30	Dry brush, 50 lks. wide 4 ft. deep. Course S. E.
79.50	Leave bottom, ascend.
80.00	Set a boulder 16 x 8 x 5 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; dig Pits 18 x 18 x 12 ins. in each Sec. 5½ ft. dist. and raise a mound of earth 4 ft. base, 2 ft. high, W. of Cor.
	Land, rolling and flat
	Soil, Sandy and gravelly 3rd rate.
	No timber

See corner notes No 3 page 27

See corner notes No 3 page 27

Subdivision of T. 16 S. R. 11 E. — Continued.

Chains.	
	N. 89° 56' E. on a random line bet. Secs. 3 & 10
40.00	Set temp. 1/4 Sec. Cor.
49.96	Intersect N. & S. line 5 lks. S. of Cor of Secs. 2. 3. 10 & 11.
	Thence S. run
	S. 89° 54' W. on a true line bet. Secs. 3 & 10
	On a gradual descent over broken land
19.35	Dry wash, 10 lks. wide, 2 ft. deep, Course S.
29.00	Dry wash. 10 lks. wide, 2 ft. deep, Course S.
39.95	Set a lava rock 16 x 12 x 8 ins. 12 ins in the ground, for 1/4 Sec. Cor, marked 1/4 on W. face; dig Pits 18 x 18 x 12 ins, E. & W. of Stone 3 ft. dist.; and raise a mound of earth 3 1/2 ft. base 1 1/2 ft. high, W. of Cor.
	Ascend
49.50	Top of ridge 50 ft. high, bears W. & S. descend
54.60	Bottom of ravine, Course S. ascend
60.50	Top of ridge, 50 ft. high, bears W & S. descend
70.20	Gulch, Course S. W.
70.40	Dry wash. 50 lks. wide, 10 ft. deep, Course S. W.
	Ascend.
76.50	Point of ridge, 30 ft. high, bears N. E. & S. W. descend.
79.00	Bottom of Gulch, Course S. W. ascend.
79.96	The Cor. of Secs. 3. 4. 9 & 10.
	Land, rolling & broken.
	Soil, Sandy & gravelly. 3rd rate
	No timber

See ex note No 3 page 279

	N 0° 02' W. bet. Secs. 3 & 4
	On an ascent 200 ft. to
14.00	Top of ridge, bears S. W. & N. E. thence over broken
	Ground along Westerly Side of ridge to
33.00	Top of ridge, bears N. W. & S. E. descend
36.60	Dry wash, in ravine. 30 lks. wide, 2 ft. deep. Course S. E. ascend 100 ft. to
40.00	On South Slope of rocky Point
	Set a limestone, 18 x 12 x 6 ins. 12 ins. in the Ground for 1/4 Sec. Cor, marked 1/4 on W. face, and raise a mound of Stone 2 ft. base, 1 1/2 ft. high

See ex note No 3 page 279

Subdivision of T. 16 S. R. 11 E. — Continued.

Chains.	
	of Cor. Pits impracticable.
40.20	Top of ridge, bears N. W. & S. E. descend.
56.50	Bottom of ravine, Course S. E.
57.30	Leave ravine, ascend.
78.75	Intersect the Third Standard Parallel South 2.90 chs. W. of Standard Cor. of Secs 33 & 34, which is a Cottonwood Stake 3 ft. above ground, 4 ins. sq., marked and witnessed as described by the Surveyor General. Set a Sandstone 18 × 12 × 3 ins. 12 ins. in the ground for Closing Cor. of Secs. 3 & 4. T 16 S. R. 11 E., marked C. C. on S. with 3 grooves on E., and 3 grooves on W. faces; and raise a mound of stone 2 ft. base, 1½ ft. high, S. of Cor. Pits impracticable.
	Land, broken
	Soil, gravelly & rocky, 4th rate.
	No timber
	Mountainous land. 78.75 chs.

See cor. notes. No. 3 pag. 279

From Cor. of Secs. 4. 5. 32 & 33 on S. bdy of the Tp., which is limestone 6 × 8 × 6 ins. above ground, marked & witnessed as described by the Surveyor General, I run N. 0° 03' W. bet Secs. 32 & 33.

On a gradual ascent over rolling ground

8.50	Top of ridge 30 ft. above Sec. cor., thence over broken ridges and gulches
31.50	Descend rocky bluff
34.00	Enter flat or bottom and dense undergrowth.
40.00	Set a Sandstone 18 × 12 × 4 ins. 12 ins. in the ground for ¼ Sec. Cor., marked ¼ on W. face; dig pits, 18 × 18 × 12 ins. N. & S. of Stone 3 ft. dist.; and raise a mound of earth 3½ ft. base, 1½ ft. high, W. of Cor.
49.50	Dry wash, 50 lks. wide, 6 ft. deep, Course E.
56.00	Leave bottom and brush, ascend 75 ft. to
69.00	Top of ridge, bears E. & W. - descend
80.00	Set a Sandstone, 18 × 12 × 9 ins. 12 ins. in the ground for Cor. of Secs. 28. 29. 32 & 33, marked with 1 notch on S. & 4 notches on E. edges; and raise a mound of Stone, 2 ft. base, 1½ ft. high, W. of

Subdivision of T. 16 S. R 11. E – Continued.

Chains.	
	Cor. Pits impracticable. Land, broken & bottom. Soil, Gravelly & rocky 3rd & 4th rate. No timber Mountainous land or dense undergrowth, 80.00 ch.
	East on a random line bet. Secs. 28 & 33.
40.00	Set temp. 1/4 Sec. Cor.
80.04	Intersect N. & S. line at Cor. of Secs. 27, 28 33 and 34 Thence I run
	West on a true line bet. Secs. 28 & 33. Enter bottom & dense brush
1.00	Dry Wash, 50 lks. wide, 6 ft. deep, Course N. E.
8.00	Dry Wash, 50 lks. wide 6 ft. deep. Course S. E. ascend low ridge, Point bearing N. 30 ft. to
11.00	Top of ridge, descend
14.00	Dry Wash. 50 lks. wide, 6 ft. deep. Course N. E.
40.02	Set a Sandstone, 18 x 14 x 4 ins. 12 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on N. face; and raise a mound of Stone 2 ft. base 1½ ft. high N. of Cor. Pits impracticable.
44.00	Leave bottom & brush, ascend over broken hills to
80.04	The Cor. of Secs. 28. 29. 32 & 33. Land, broken & bottom Soil, Gravelly & rocky, 4th rate. No. timber Mountainous land, or dense undergrowth, 80.04 Chs.
	September 19 – 1895.
	N. 0°05' W. bet. Secs. 28 & 29. Ascend over broken ground, 40 ft. to
4.00	Top of ridge, bears N. E. & S. W. thence gradually descending over broken ground
34.00	Dry Wash, 40 lks. wide, 2 ft. deep, Course N. E. ascend
38.00	Top of ridge, bears N. E. & S. W. descend 20 ft. to
40.00	Set a Sandstone 18 x 18 x 9 ins. 12 ins. in the ground for 1/4 Sec. Cor., marked 1/4 on N. face; and raise a

See cor. note #3 page 280

Subdivision of T. 16 S. R. 11 E. – Continued.

6 ans. mound of Stone 2 ft. base, 1½ ft. W. of Cor.
Pits impracticable.
44.00 Gulch, Course N. E. ascend on to flat.
53.00 Road, bears N. E. & S. W.
62.00 Trail, bears N. W. & S. E.
68.00 Dry Wash, 50 lks. wide, 6 ft. deep. Course N. E.
See ca notes No 3 page 280
80.00 Set a Sandstone 18×12×6 ins. 12 ins. in the ground for Cor. of Secs. 20. 21. 28 & 29, marked with 2 notches on S. and 4 notches on E. edges; dig Pits 18×18×12 ins. in each Sec. 5½ ft. dist.; and raise a mound of earth, 4 ft. base 2 ft. high. W. of Cor.
53.00
27.00
Land broken & rolling
Soil, Sandy & rocky, 3rd & 4th rate.
No timber.
Mountainous land, 53.00 chs.

September 20. 1895. I set off 0°58' N on the decl. arc; and at 11h 53m A.M.l.m.t., observe the Sun on the meridian; the resulting lat. is 39°24'30"

Past on a random line bet. Secs. 21 & 28
40.00 Set temp. ¼ Sec. Cor.
80.08 Intersect N. & S. line at Cor. of Secs. 21. 22. 27 & 28.
Thence I run
est on a true line bet. Secs. 21 & 28.
Descend 25 ft. to
See ca notes No 3 page 281
4.00 Bottom of Gulch, Course N. W. ascend
6.00 Top of ridge, 45 ft. high, bears N. W. & S. E.
Descend gradually over broken ground
39.00 Point of low ridge, bears N. & S.
40.04 Set a Sandstone 20×19×3 ins., 15 ins. in the ground for ¼ Sec. Cor., marked ¼ on N. face; and raise a mound of Stone 2½ ft. base, 1½ ft. high N. of Cor. Pits impracticable.
51.00 Dry Wash, 30 lks. wide, 10 ft. deep., Course N. E.
60.35 Road, bears N. E. & S. W. ascend gradually over greasewood flat
80.08 The Cor. of Secs. 20. 21. 28 & 29.
51.00
29.00
Land broken & rolling
Soil, Sandy & rocky. 3rd & 4th rate

Subdivision of T. 16 S. R. 11 E. - Continued.

Chains.	
	No timber.
	Mountainous land. 51.00 Chs.
	N. 0° 03' W. bet. Secs. 20 & 21.
	over rolling ground
40.00	Set a Sandstone, 16 x 10 x 6 ins. 15 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on N. face; dig Pits 18 x 18 x 12 ins. N. & S. of Stone, 3 ft. dist.; and raise a mound of earth 3 1/2 ft. base 1 1/2 ft. high, N. of Cor.
80.00	Set a Sandstone 18 x 12 x 4 ins. 12 ins. in the ground, for Cor. of Secs. 16. 17. 20 & 21, marked with 3 notches on S. and 4 notches on E. edge; dig Pits, 18 x 18 x 12 ins. in each Sec. 5 ft. dist.; and raise a mound of earth, 4 ft. base 2 ft. high, W. of Cor.
	Land rolling
	Soil, Sandy and Gravelly - 3rd rate
	No timber
	East on a random line bet. Secs. 16 & 21
40.00	Set temp. 1/4 Sec. Cor.
80.10	Intersect N. & S. line at Cor. of Secs. 15. 16. 21. & 22
	Thence I run
	West on a true line bet. Secs. 16 & 21.
	Descend gradually
16.00	Enter bottom
40.05	Set a Sandstone 20 x 19 x 3 ins. 15 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on N. face; dig Pits 18 x 18 x 12 ins. E. & W. of Stone 3 ft. dist. and raise a mound of earth 3 1/2 ft. base 1 1/2 ft. high N. of Cor.
51.00	Dry Track 30 lks. wide 10 ft. deep. Course S. E.
80.10	The Cor. of Secs. 16. 17. 20 & 21.
	Land, rolling.
	Soil, Sandy and Gravelly - 3rd rate.
	No timber

See corner Bk 3 page 281

Subdivision of T. 16 S. R. 11 E. - Continued.

Chains	
	N. 0°03' W. bet. Secs. 16 and 17.
	Over rolling ground.
11.00	Dry Wash 30 lks. wide, 10 ft. deep, Course S. E.
13.05	Dry Wash 30 lks. wide, 10 ft. deep, Course S. E.
20.00	Leave bottom, ascend over broken ground
40.00	Set a Sandstone, 30 x 10 x 5 ins. 24 ins. in the ground for 1/4 Sec. Cor. marked 1/4 on W. face; and raise a mound of Stone 2 ft. base 1½ ft. high W. of Cor. Pits impracticable.
43.00	Top of bluff, bears E and W.
44.50	Descend
80.00	Set a Limestone, 18 x 12 x 6 ins. 12 ins. in the ground, for Cor. of Secs. 8. 9. 16 and 17, marked with 4 notches on S. and E. edges; and raise a mound of Stone, 2 ft. base, 1½ ft. high W. of Cor. Pits impracticable.
	Land, broken
	Soil, gravelly and rocky, 4th rate.
	No timber.

	Past on a random line bet. Secs. 9 and 16.
40.00	Set Limp 1/4 Sec. Cor.
79.92	Intersect N. and S. line at Cor. of Secs. 9. 10. 15 and 16.
	Thence I run
	West on a true line bet. Secs. 9 and 16.
	Ascend on South Slope 50 ft. to
27.00	Top of ridge, bears N. and S. descend.
36.05	Dry Wash, 5 lks. wide 2 ft. deep, Course S.
39.96	Set a Sandstone, 20 x 12 x 4 ins. 15 ins. in the ground for 1/4 Sec. Cor., marked 1/4 on N. face; and raise a mound of Stone 2 ft. base 1½ ft. high, N. of Cor. Pits impracticable.
66.00	ascend
75.65	Top of ridge 100 ft. high, bears N. E and S. W. descend.
79.92	The Cor. of Secs. 8. 9. 16 and 17.
	Land, broken.
	Soil, gravelly and rocky, 4th rate.
	No timber.

See corner No 3 page 282

Subdivision of T. 16 S. 1° W. E. — Continued

Chains	
	N 0°03' W. bet. Sec. 8 and 9.
	Descend over broken ground, 75 ft. to
17.00	Bottom of gulch, Course S. W. ascend.
31.00	Top of ridge 80 ft. high, bears N. E. and S. W. descend.
40.00	Set a sandstone 18×12×6 ins. 12 ins in the ground for 1/4 Sec. Cor. marked 1/4 on W. face; dig pits, 18×18×12 ins. N. and S. of Stone 3 ft. dist., and raise a mound of earth, 3½ ft. base 1½ ft. high, W. of Cor.
46.50	Bottom of ravine, course N. W. ascend 80 ft. to
62.00	Top of ridge, bears N. W. and S. E. descend.
75.00	Head of gulch, Course E. ascend.
78.60	Top of ridge, bears N. E. and S. W. descend 10 ft. to
80.00	Set a sandstone 24×24×4 ins. 18 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; dig pits 18×18×12 ins. in each Sec. 5½ ft. dist and raise a mound of earth 4 ft. base 2 ft. high W. of Cor.

Land, broken
Soil, sandy and gravelly 3rd rate.
No timber
Mountainous land, 80.00 chs.

	Past on a random line bet. Secs. 4 and 9.
40.00	Set temp 1/4 Sec. Cor.
79.76	Intersect N. and S. line at Cor of Secs. 3 4 9 and 10.
	Thence I run
	West on a true line bet. Secs. 4 and 9.
	Outer bottom and brush
7.30	Dry wash 50 lks. wide, 4 ft. deep, Course S. E.
15.30	Dry wash 230 lks. wide 10 ft. deep. Course S. E
17.60	Leave wash
27.50	Leave bottom and brush, ascend 200 ft. to
39.88	Top of barren rocky ridge, bears N. and S.

Set a limestone 18×10×8 ins 12 ins in the ground for 1/4 Sec. Cor. marked 1/4 on N. face; and raise a mound of stone 2 ft. base 1½ ft. high, N. of Cor. Pits impracticable.

Subdivision of T.16 S. R.11 E.—Continued

Chains	Descend 50 ft. to
46.00	Bottom of rocky gulch, Course N. ascend
48.50	Top of ridge bears N. & S. descend
59.00	Bottom of ravine, course N. ascend over rocky benches 60 ft. to
77.50	Top of ridge, bears N. & S. descend 20 ft. to
— 79.76	The cor. of Secs. 4. 5. 8 and 9.
	Land broken.
	Soil, gravelly and rocky, 4th rate.
	No timber
	Mountainous land or dense undergrowth
	79.76 Chs.

	N. 0°03' W. bet. Secs. 4 and 5.
	Descend over broken benches 60 ft. to
18.70	Bottom of ravine, Course N. E. ascend
29.00	Top of ridge. 80 ft. high, bears N. E. and S. W. descend.
40.00	Set a sandstone, 16×12×8 ins. 12 ins in the ground for 1/4 Sec. cor. marked 1/4 on W. face; and raise a mound of stone 2 ft. base 1½ ft. high W. of cor. Pits impracticable.
49.00	Enter bottom and brush.
49.15	Dry wash, 40 lks. wide, 6 ft. deep, Course E.
59.00	Leave bottom and brush, ascend over broken side of ravine
— 78.90	Intersect Third Standard Parallel South. 3.00 Chs. W. of Standard Cor. of Secs. 32 and 33 which is an aspen post 3 ft. above ground, 3 ins. sq., marked and witnessed as described by the Surveyor General.
	Set a lime stone 12×10×6 ins. 8 ins in the ground for Chain Cor. of Secs. 4 and 5. T.16 S. R.11 E. marked C.C. on S. with 4 grooves on E. and 2 grooves on W. face, dig pits 24×12×8 ins. Crosswise on each line E. and W. 3 ft., and S. 7 ft. dist., and raise a mound of earth 4 ft. base 2 ft. high, S. of cor.
	Land, broken and rolling.
	Soil, sandy and gravelly, 3rd rate

See notes 33 page 282

Subdivision of T. 16 S. R. 11 E. — Continued

Chains.	
	No timber Mountainous land or dense undergrowth 78.90 chs.
	At the cor. of Tps. 16 & 17 S. Rs. 10 & 11 E. at 7 hrs. 27 min. P. M. l. m. t. I observe Polaris at eastern elongation, in accordance with Manual of Instructions, and mark a point in the line thus determined, on a plug firmly set in the ground 5.00 chs. N. of my Station. — Sept. 20 — 1895.
	Sept. 21. at 6h 30m A. M. l. m. t. I lay off the azimuth of Polaris 1°.37' to the west, and mark a small groove in a stone 5.00 chains North of Cor.
	The mag. bearing of the true meridian is N 16°.34' W; the angle thus determined, reduced by the table, Page 100, gives mean Mag. decl. 16°.32' E.
	From Cor. of Secs. 5. 6. 31 & 32. on the S. bdy of the Tp. which is a Sandstone, 6 x 10 x 8 ins above ground, marked and witnessed as described by the Surveyor General, I run
	N. 0°03' W. bet. Secs. 31 & 32.
	Ascend gradually over rolling ground
10.85	Dry wash, 30 lks. wide 3 ft. deep. Course S. E.
14.00	Leave bottom, ascend bench
21.82	Road, bears N. E. & S. W.
40.00	Set a Sandstone 16 x 10 x 8 ins. 12 ins in the ground for 1/4 Sec. Cor marked 1/4 on W. face; dig pits, 18 x 18 x 12 ins. N. & S. of stone 3 ft. dist., and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high, W. of Cor.
80.00	Set a Sandstone 16 x 10 x 6 ins. 12 ins. in the ground for Cor. of Secs. 29. 30. 31 & 32, marked with 1 notch on S. and 5 notches on E. edges; dig pits 18 x 18 x 12 ins. in each Sec. 5 1/2 ft. dist. and raise a mound of earth 4 ft. base, 2 ft. high, W. of Cor.
	Land, rolling.
	Soil, Sandy & gravelly; 3rd rate.
	No timber

Subdivision of T16S R11E- Continued.

Chains.	
	East on a random line bet. Secs. 29 & 32.
40.00	Set temp. 1/4 Sec. Cor.
80.06	Intersect N. & S. Line at Cor. of Secs. 28. 29 32 & 33
	Thence I run
	East on a true line bet. Secs. 29 & 32.
	Ascend over broken ground 50 ft. to
12.06	Top of ridge, bears N.E. & S.W. descend.
28.55	Enter bottom.
30.76	Road. bears N.E. & S.W.
40.03	Set a Sandstone 18x12x4 ins. 12 ins. in the ground, for 1/4 Sec. cor., marked 1/4 on N. face; dig pits 18x18x12 ins. E. & W. of Cor. 3 ft. dist., and raise a mound of earth, 3/2 ft. base 1 1/2 ft. high, N. of Cor.
56.05	Dry Wash, 15 lks. wide, 3 ft. deep, Course S.
58.75	Dry Wash. 35 lks. wide 5 ft. deep. Course S. E.
68.95	Dry Wash. 25 lks. wide, 10 ft. deep, Course S. E.
80.06	The Cor. of Secs. 29. 30. 31 & 32.
	Land, broken & rolling
	Soil, Sandy & Gravelly: 3rd. rate
	No timber.

	West on a random line bet. Secs. 30 & 31.
40.00	Set temp. 1/4 Sec. Cor.
74.20	Intersect W. bdy of Tp. at Cor. of Secs. 25. 30. 31 & 36. Which is a Stake Stone 6x5x6 ins. above ground, marked and witnessed as described by the Surveyor General. I find that no part of the W bdy. is in alignment, and that many of the Corners are ~~obliterated~~: and as no lines have been closed on this bdy. from the West, in T16S. R10. E, I re Survey said line and establish Corners in accordance with the Manual, and return field notes with this Survey. Sept. 21st 1895.
74.20	Intersect W bdy of Tp. at Cor. as re-established by me on this Survey.
	Thence I run
	East on a true line bet Secs. 30 & 31.
	Ascend.
4.70	Head of Gulch, 50 ft. below Sec. Cor. ascend

Subdivision of T. 16 S. R. 11 E. — Continued.

Chains.	
7.20	Top of ridge. 60 ft. high, bears N.W. & S.E. descend.
10.90	Bottom of ravine, Course N.W. ascend.
12.70	Top of ridge, 50 ft. high, bears N.W. & S.E. descend
14.20	Bottom of ravine, Course N.W. ascend.
30.70	Top of ridge, bears N. & S. descend 200 ft. to
36.10	Dry wash, in bottom of ravine, Course S.E. ascend.
37.20	Set a Sandstone 18×12×6 ins. 12 ins. in the ground for 1/4 Sec. Cor. marked 1/4 on N. face: and raise a mound of Stone 2 ft. base 1½ ft. high, N. of Cor. Pits impracticable. descend.
44.20	The Cor. of Secs. 29. 30. 31 & 32.
37.20 / 40.00	Land, broken. Soil, Gravelly & rocky; 4th rate. No timber. Mountainous land 37.20 chs.

N. 0° 03' W. bet. Secs. 29 & 30.
On a gradual ascent over bench land.

40.00	Set a Sandstone 22×12×5 ins. 16 ins. in the ground for 1/4 Sec. Cor. marked 1/4 on W. face: dig Pits 18×18×12 ins. N. & S. of Stone 3 ft. dist. and raise a mound of earth, 3½ ft. base 1½ ft. high, W. of Cor.
50.50	Trail, bears N.E. & S.W.
56.50	Leave bench, ascend 100 ft. ±
60.00	Top of ridge, bears N.E. & S.W. descend along rocky slope.
80.00	Set a Sandstone 16×12×8 ins. 12 ins. in the ground for Cor. of Secs. 19. 20. 29 & 30, marked with 2 notches on S. & 5 notches on E. edges; and raise a mound of Stone 2 ft. base 1½ ft. high. W. of Cor. Pits impracticable.
23.50 / 56.50	Land, rolling & broken. Soil, Sandy & rocky; 4th rate. No timber. Mountainous land, 23.50 chs.

East on a random line bet. Secs. 20 & 29.

40.00	Set temp. 1/4 Sec. Cor.
80.06	Intersect N. & S. line at cor. of Secs. 20. 21. 28 & 29.

Thence I run
West on a true line bet. Secs. 20 & 29.
On a gradual ascent.

Subdivision of T. 16 S. R. 11 E. — Continued

Chains.	
40.03	Set a Sand Stone 18×8×4 ins. 12 ins. in the ground for 1/4 Sec. cor. marked 1/4 on N. face; dig pits 18×18×12 ins. E. & W. of Stone 3 ft. dist.; and raise a mound of earth 3½ ft. base 1½ ft. high N. of cor.
49.00	Dry Wash, 12 lks. wide, 3 ft. deep, Course S. E.
63.00	Foot of bluff, ascend 200 ft. to
70.00	Top of ridge, bears N. E. & S. W. descend.
76.00	Head of ravine, 50 ft. deep, Course N. W. ascend.
80.06	The Cor. of Secs. 19. 20. 29 & 30.
17.06 / 63.00	Land rolling & broken.
	Soil, gravelly & rocky; 4th rate.
	No timber
	Mountainous land 17.06 chs.

	West on a random line bet. Secs. 19 & 30
40.00	Set temp. 1/4 Sec. cor.
77.10	Intersect W. bdy. of Tp. at cor. of Secs. 19. 24. 25 & 30 as re-established
	Thence I run
	East on a true line bet. Secs. 19 & 30.
	Descend, into
2.10	Bottom of gulch, 50 ft. below Sec. cor. ascend.
7.00	Top of ridge, bears N. W. & S. E. descend.
11.50	Bottom of gulch, 50 ft. deep, Course S. E. ascend
15.00	Top of ridge, bears N. W. & S. E. descend 200 ft. to
32.50	Enter bottom of cañon, Course N. E.
See cor. notes No 3 page 283. 35.50	Leave cañon, ascend.
37.10	Set a sandstone 16×12×4 ins. 12 ins. in the ground for 1/4 Sec. cor. marked 1/4 on N. face; and raise a mound of stone 2 ft. base 1½ ft. high, N. of cor. Pits impracticable.
39.00	Top of ridge 100 ft. high, bears N. & S. descend.
47.80	Head of gulch, Course N. ascend.
57.10	Top of ridge, 100 ft. high, bears N. & S. descend.
61.60	Bottom of gulch, Course N. ascend 80 ft. to
76.30	Point of rocky ridge, bears N. & S. descend 20 ft. to
77.10	The cor. of Secs. 19. 20. 29 & 30.
	Land, broken
	Soil, rocky; 4th rate
	No timber
	Mountainous land 77.10 chs.

Subdivision of T. 16 S. R. 11 E. - Continued.

Chains	
	N 0°03' W. bet. Secs. 19 and 20.
	Descend, over broken rocky ground, 80 ft. to
19.00	Bottom of gulch; Course N. W. ascend over Sandstone ledges to
25.00	Top of ridge 80 ft. high bears N. W. and S. E.
31.60	Descend, over Sandstone ledges 80 ft. to
32.95	Bottom of rocky ravine, Course N. W. ascend over ledges to
36.00	Top of Sandstone ledges, on gradual ascent.
40.00	Set a Sandstone 16 x 10 x 6 ins. 12 ins in the ground for 1/4 Sec. Cor., marked 1/4 on W. face; and raise a mound of Stone 2 ft. base, 1 1/2 ft. high, W. of Cor. Pits impracticable.
62.16	Descend over Sandstone ledges 80 ft. to.
66.00	Foot of ledges, enter bottom and brush.
80.00	Set a Sandstone 16 x 12 x 6 ins. 12 ins in the ground, for Cor. of Secs. 17. 18. 19. and 20. marked with 3 notches on S and 5 notches on E. edges; dig Pits 18 x 18 x 12 ins in each Sec. 5 1/2 ft. dist; and raise a mound of earth 4 ft. base 2 ft. high. W. of Cor.
	Land, broken and bottom.
	Soil, gravelly and rocky; 4th rate
	No timber, dense undergrowth of sage and greasewood on 14.00 chs.
	Mountainous land 66.00 chs.
	Sept. 22. 1895
	East on a random line bet. Secs. 17 and 20.
40.00	Set temp. 1/4 Sec. Cor.
80.10	Intersect N. and S. line at Cor. of Secs. 16. 17. 20 and 21.
	Thence I run
	West on a true line bet. Secs. 17 and 20.
	Over bottom land.
36.10	Foot of Sandstone ledges, leave bottom, ascend.
39.95	Top of ledges, 100 ft. high, ascend 20 ft. to
40.05	On point of ridge, bears N. W. and S. E.

Chains.	Set a Sandstone, 16 x 12 x 8 ins. 12 ins in the ground for 1/4 Sec. cor., marked 1/4 on N. face, and raise a mound of Stone 2 ft. face 1½ ft. high. N. of Cor. Pits in Brackicath.
43.10	Descend over Sandstone ledge, 60 ft. to
44.10	Foot of ledge.
51.00	Bottom of Canon, Course N. E. ascend.
56.00	Rocky Point 60 ft. high, bears N. descend.
60.00	Gulch, Course N. ascend 60 ft. to
63.70	Rocky point, bears N. and S. descend.
70.10	Bottom of rocky ravine, ascend 100 ft. over Sandstone ledge to
72.70	Top of ledge.
74.50	Descend over ledge 140 ft. to
76.60	Foot of ledge, enter bottom and brush.
80.10	The Cor. of Secs. 14, 18, 19 and 20
40.00 / 36.10	Land broken and bottom
	Soil, gravelly and rocky, 3rd and 4th rate
	No timber.
	Mountainous land or dense brush, South, 40.00 chs.

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

40.00	Set temp. 1/4 Sec. cor.
77.16	Inter Sect. Br. Edy. of Tp. at cor. of Secs. 13, 18, 19 and 24. as reestablished by me during this survey,
	Thence S. run
	Back on a true line bet. Secs. 18 and 19.
	On a gradual ascent over broken ground.
	100 ft. to
34.16	Top of ridge, bears N. and S.
	Set a Sandstone 14 x 12 x 8 ins. 9 ins in the ground for 1/4 Sec. cor., marked 1/4 on N. face, and raise a mound of Stone 2 ft. face 1½ ft. high. N. of Cor. Pits in Brackicath. Descend gradually
	200 ft. to
65.65	Enter bottom and brush
77.16	Br. Wash. 40 lks. wide, 6 ft. deep, Course N. E.
	Ascend gradually
77.16	The Cor. of Secs. 14, 18, 19 and 20.

See notes Vol 3 pp 384

Subdivision of T. 16 S. R. 11 E. – Continued.

Chains	
	Land broken. Soil, rocky 4th rate No timber Mountainous land or dense undergrowth 7/7.16 ch.
	N. 0° 03' W. bet Secs. 14 and 15.
	Enter bottom and dense brush
5.25	Dry wash, 50 lks. wide, 10 ft. deep, course N. E.
20.00	Dry wash, 20 lks. wide, 5 ft. deep, course S. E.
32.50	Leave bottom and brush, ascend
39.00	Top of ridge, 100 ft. high, trees E. and W. descend
40.00	Set a Sandstone, 16 x 12 x 6 ins., 12 ins. in the ground for 1/4 Sec. Cor., marked 1/4 on W. face; and raise a mound of Stone 2 ft. base 1½ ft. high, W. of Cor. Pits impracticable.
60.00	Bottom of shallow gulch, course E. ascend 20 ft. to
80.00	Set a Sandstone, 16 x 12 x 8 ins., 12 ins. in the ground for Cor. of Secs. 7, 8, 17 and 18, marked with 4 notches on S. and 5 notches on E. edges; dig Pits 18 x 18 x 12 ins. in each Sec. 6½ ft. dist. and raise a mound of earth 4 ft. base, 2 ft. high, W. of Cor.
	Land broken and flat Soil, rocky, 4th rate No timber Mountainous land or dense undergrowth. 80.00 Ch.
	Run on a random line bet. Secs. 8 and 17.
40.00	Set limp. 1/4 Sec. Cor.
80.10	Intersect N. and S. lines at Cor. of Secs. 8, 9, 16 and 17
	Thence I run
	West on a true line bet. Secs. 8 and 17.
	Over broken Ground
20.00	Top of ridge 20 ft. above Sec. Cor., trees N. W. and S. E. descend
40.05	Set a Sandstone, 16 x 10 x 5 ins. 12 ins. in the ground

Subdivision of T. 16 S. R. 11 E. - Continued.

	for 1/4 Sec. Cor., marked 1/4 on N. face; and raise a mound of Stone 2 ft. base 1 1/2 ft. high N. of Cor. Pits impracticable.
41.40	Dry Wash, in bottom of Canon, 20 lks wide, 2 ft. dep. Course S. E. ascend
57.60	Top of ridge 100 ft. high. bears N. W. & S. E. descend.
72.10	Bottom of ravine, course S. E. ascend 50 ft. to
80.10	The Cor. of Secs. 7. 8. 17 & 18.
	Land, broken
	Soil, rocky, 4th rate.
	No timber
	Mountainous land, 80.10 chs.

West, on a random line bet. Secs. 7 & 18.

40.00	Set temp. 1/4 Sec. Cor.
44.25	Inter Sect. Dr. bdg. of Tp. 12 1/2 S. of cor. of Secs. 7. 12. 13 & 18. as heretofore established by me during this survey
	Thence I run
	S. 89° 55' E. on a true line bet. Secs 7 & 18.
	Enter bottom.
32.50	Leave bottom, ascend
34.25	Set a Sandstone 16 x 10 x 8 ins. 11 ins. in the ground for 1/4 Sec. Cor., Marked 1/4 on N. face; dig Pits 18 x 18 x 12 ins. E. & W. of Stone 3 ft. dist.; and raise a mound of earth 3 1/2 ft. base 1 1/2 ft. high N. of Cor.
43.75	Top of ridge 100 ft. high, bears N. E & S. W. descend 20 ft. to
44.25	The Cor. of Secs. 7. 8. 17 & 18.
	Land, broken & flat
	Soil, Gravelly & rocky 4th rate.
	No timber.
	Mountainous land, 44.75 chs.

N. 0° 03' W. bet Secs 7 & 8

	Ascend 20 ft. to
2.50	Top of ridge, bears N. E. & S. W. descend Radially

Subdivision of T 16 S. R. 11 E. - Continued.

Chains.	
25.20	Head of Gulch, Course N. W. accend
40.00	Top of ridge 50 ft. high, bears N. W & S. E. Set a Sandstone 16 x 10 x 6 ins. 12 ins. in the Ground for 1/4 Sec. Cor., marked 1/4 on N. face: and raise a mound of Stone 2 ft. base 1½ ft. high N. of cor. Pits impracticable.
	Descend
50.00	Enter bottom.
40.05	On track 10 lks. wide 3 ft. deep, Course N. E.
50.00	Set a Sandstone, 16 x 10 x 5 ins. 12 ins. in the Ground, for Cor. of Secs. 5. 6. 7 & 8. marked with 5 notches on S. & 5 notches on E. edges; dig Pits 15 x 15 x 12 ins. in each Sec. 5½ ft. dist: and raise a mound of earth 4 ft. base 2 ft. high, N. of cor.
1000/3000	Land broken & flat. Soil, Gravelly & rocky. Timber. No timber. Mountainous land, 50.00 chs.

Sept. 23. 1895: I Set off 0°12'5 on the decl. arc; and at 11°52 A.M. L.M.T. observe the Sun on the meridian; the resulting Lat. is 39°24'30" N.

	East on a random line bet. Secs. 5 & 8.
40.00	Set temp. 1/4 Sec. Cor.
50.06	Intersect N. & S. line at Cor. of Secs 4. 5. 8 & 9
	Thence I run
	West on a true line bet. Secs. 5 & 8.
	Over broken ground
13.00	Top of ridge, 30 ft. above Sec. Cor., bears N. & S.
	descend.
16.50	Bottom of Gulch, 100 ft. deep, Course N. accend
40.03	On crest of bench
	Set a Sandstone, 15 x 12 x 4 ins. 12 ins. in the Ground for 1/4 Sec. Cor. marked 1/4 on N. face: and raise a mound of Stone 2 ft. base 1½ ft. high, N. of cor. Pits impracticable.
	descend

Subdivision of T 16 S. R. 11 E. - Continued

Chains.	
55.16	Dry track. 10 lks. wide. 3 ft. deep, Course N. E. under flat.
50.06	The Cor. of Secs. 5. 6. 7. and 8.
	Land broken and flat
	Soil gravelly and rocky 4th rate.
	No timber.
	Mountainous land. 55.16 Chs.
	N. 89° 55' W. on a random line bet. Secs. 6 and 7.
40.00	Set Temp. 1/4 Sec. Cor.
47.40	Intersect W. bdy. of Tp. at cor. of Secs. 1. 6. 7 and 12, as re-established by
	Thence S. run
	S. 89° 55' E. on a true line bet. Secs. 6 and 7.
	Over bottom land, on gradual descent
37.40	Set a Sandstone, 12 x 8 x 6 ins. 8 ins. in the ground for 1/4 Sec. Cor., marked 1/4 on N. face: dig Pits 18 x 18 x 12 ins. E. and W. of Stone 3 ft. dist., and raise a mound of earth 3/2 ft. base 1/2 ft. high. N. of Cor.
47.40	The Cor. of Secs. 5. 6. 7. and 8.
	Land, nearly level
	Soil gravelly and rocky 4th rate.
	No timber.
	N. 0° 03' W. bet. Secs. 5 and 6.
	Over rolling ground
36.50	Ascend Knoll
40.00	Set a Sandstone 16 x 12 x 6 ins. 12 ins. in the ground for 1/4 Sec. Cor., marked 1/4 on W. face; dig Pits 18 x 18 x 12 ins. N. and S. of Stone. 3 ft. dist.; and raise a mound of earth 3/2 ft. base, 1/2 ft. high W. of cor.
40.15	Top of Knoll, descend.
45.00	Enter bottom
45.70	Dry track. 40 lks. wide 3 ft. deep. Course N. 6.
62.00	Leave bottom, ascend
78.45	Intersect Third Standard Parallel South. 2.60 Chs. W. of Standard Cor. of Secs. 31 and 32., which is a Sandstone 4 x 10 x 4 ins. above ground

Subdivision of T. 16 S. R. 11. E. — Continued.

Chains. marked and witnessed as described by the Surveyor General.

Set a Sandstone, 16×14×10 ins. 12 ins. in the Ground, for Closing Cor. of Secs. 5 and 6 T. 16 S. R. 11. E., marked C.C. on S., with 5 Grooves on E. and 1 Grooves on W. faces; and raise a mound of Stone 2 ft. base. 1½ ft. high, S. of cor.

Pits impracticable.

Land, broken

Soil, gravelly and rocky 4th rate.

No timber.

Sept. 23. 1895

General Description

This township lies in Castle Valley, and is mostly broken hills, except in the South-eastern portion, which is in the break of the mountains; and covered with scattering cedars.

Price River runs southerly through Secs. 1. 12. 13 and 24., the water in which is very brackish.

The land is mostly sandy and gravelly on the flats, but will not produce crops without irrigation.

The timber is scattering cedars on the hills, and cottonwood along Price River.

There are no settlers living in the township H. P. Marsing has a cabin in Sec. 24 and a few acres under cultivation.

There is a cabin in the N. W.4 Sec. 12, and some plowing done; but could not find Claimant.

John McGann has some land under cultivation in the E.2 of S. W.4 Sec. 1.

No other settlers or improvements in the township.

W. J. Powell Jr. one of the applicants for survey is

Subdivision of T16 . R.11 E.- Continued

living in T.17.S.R.11.E. and has no improvements in this Tp.
There is no mineral found in the township.

John T. Breckon
U.S. Deputy Surveyor.

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Contingent BOOK A-244

Resurvey of the W. bdy. of T. 16 S. R. 11 E.
Salt Lake Meridian.

Chains | Sept. 21/95 At the cor. of Tps. 16 and 17 S. Rs. 10 and 11 E., at 10 hrs. 0 min. a.m. l.m.t., I set off 39°23' on the lat. arc; 0°37' N. on the decl. arc; and mark a point on the true meridian determined with the solar, on the stone set Sept. 20, 5.00 chs. N. of my station. This mark falls 0.1 ins. east of the true meridian established by the Polaris observation.

I begin at the cor. of Tps. 16 and 17 S. Rs. 10 and 11 E., which is a limestone 8×10×6 ins. above ground, marked and witnessed as described by the Surveyor General.

Thence I run

North on a blank line bet. secs. 31 and 36; at 4.00 chs. find no trace of 1/4 sec. cor.; at 80.00 chs. old cor. bears East 3.00 chs. dist., therefore I continue my line north; and find no part of the W. bdy. in alignment, and that many of the corners are obliterated.

At 5 miles 78.10 chs. intersect Third Standard Parallel South at the Standard Cor. of Tp. 15 S. Rs. 10 and 11 East 2.75 chs. W. of old closing cor. and as these townships have not been subdivided, I destroy the old closing cor. and re-establish same at my point of intersection with Third Standard Parallel South, and re-survey the range line between them as follows:—

At the Standard Cor. of T. 15 S. Rs. 10 and 11 E., which is a sandstone 8×10×4 ins. above ground, marked and witnessed as described by the Surveyor General, I set a sandstone 16×8×6 ins. 12 ins. in the ground for closing cor. of T. 16 S. Rs. 10 and 11 E. marked C.C. on S. with 6 grooves on S. E. and W. faces; and raise a mound of stone 2 ft. base 1½ ft. high S. of cor.

Pits impracticable.

Thence I run

South on a true line bet. secs. 1 and 6.

Outer flat.

1.60 Ascend.

8.50 Top of ridge, 100 ft. high, bears N. W. and

Chains	
	S. E., descend.
38.10	Set a Sandstone 18×10×5 ins., 12 ins. in the ground for 1/4 Sec. Cor. marked 1/4 on E. face, and raise a mound of stone 2 ft. base 1½ ft. high E. of Cor. Pits impracticable. All indications of the old corner have disappeared.
50.50	Enter flat.
51.00	Dry wash, 80 lks. wide, 6 ft. deep. Course S. E.
48.10	Set a Sandstone 16×8×6 ins., 12 ins. in the ground for Cor. of Secs. 1, 6, 7 & 12, marked with 1 notch on N. and 5 notches on S. edge; dig pits 18×18×12 ins. in each Sec. 6½ ft. dist., and raise a mound of earth 4 ft. base 2 ft. high E. of Cor. After diligent search no signs of the old Cor. can be found. Land broken and flat. Soil, gravelly and rocky; 4th rate. No timber.
	South, set Secs. 7 and 12. Over nearly level land.
25.00	Leave bottom, ascend.
40.00	Set a Sandstone 16×10×5 ins., 12 ins. in the ground for 1/4 Sec. Cor. marked 1/4 on E. face, dig pits 18×18×12 ins. N. and S. of Stone 3 ft. dist., and raise a mound of earth 3½ ft. base 1½ ft. high E. of Cor. All indications of the old corner have disappeared.
80.00	Set a Sandstone 18×10×4 ins., 12 ins. in the ground for Cor. of Secs. 7, 12, 13 and 18, marked with 2 notches on N. and 4 notches on S. edge; dig pits 18×18×12 ins. in each Sec. 5½ ft. dist., and raise a mound of earth 4 ft. base 2 ft. high, E. of Cor. From this point the old Sec. Cor., a Sandstone, bears N. 88° 15' E. 1.90 chs. dist. I destroy all trace of the old Cor.

Resurvey of the W. bdy. of T. 16 S. R. 11 E. etc.

Continued

Chains.	
	Land, flat and rolling.
	Soil, Gravelly, 3rd rate.
	No timber.
	South bet. Secs. 13 and 18.
	Descend gradually.
18.70	Gully, 30 ft. deep, Course S. E. ascend.
38.00	Top of ridge, 30 ft. high, bears N. W. and S. E. descend.
40.00	Set a Slate Stone, 12 x 8 x 4 ins. 8 ins. in the Ground for 1/4 Sec. Cor. marked 1/4 on W. face; dig Pit 18 x 18 x 12 ins. N. and S. of Stone 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 corner, a Slate Stone, bears N. 88° 15' E. 2.10 Chs. dist. I destroy all traces of the old cor.
57.00	Bottom of Gulch, 40 ft. deep, Course S. E. ascend.
65.50	Top of low ridge, bears N. W. and S. E. descend.
68.10	Dry Wash, 25 Chs. wide, 3 ft. deep, Course E. enter bottom.
80.00	Set a Sandstone 16 x 10 x 5 ins. 11 ins in the Ground for cor. of Secs. 13. 18. 19 and 24. marked with 3 notches on N. and S edges; dig Pit, 18 x 18 x 12 ins. in each Sec. 3 1/2 ft. dist., and raise a mound of earth 4 ft. base 2 ft. high W. of Cor.
	After diligent search, no Signs of the old Cor. can be found.
	Land rolling
	Soil, Sandy and Gravelly; 3rd rate.
	No timber
	South bet. Secs. 19 and 24.
	Ascend over rolling Ground.
15.00	Head of Gully, 30 ft. deep, Course N. W.
40.00	Top of low ridge, 50 ft. above Sec. Cor. bears E. and W.
	Set a Slate Stone 16 x 8 x 3 ins. 12 ins. in the Ground for 1/4 Sec. Cor. marked 1/4 on W. face;

Resurvey of the W. bdy of T. 16 S. R. 11 E. etc.
Continued

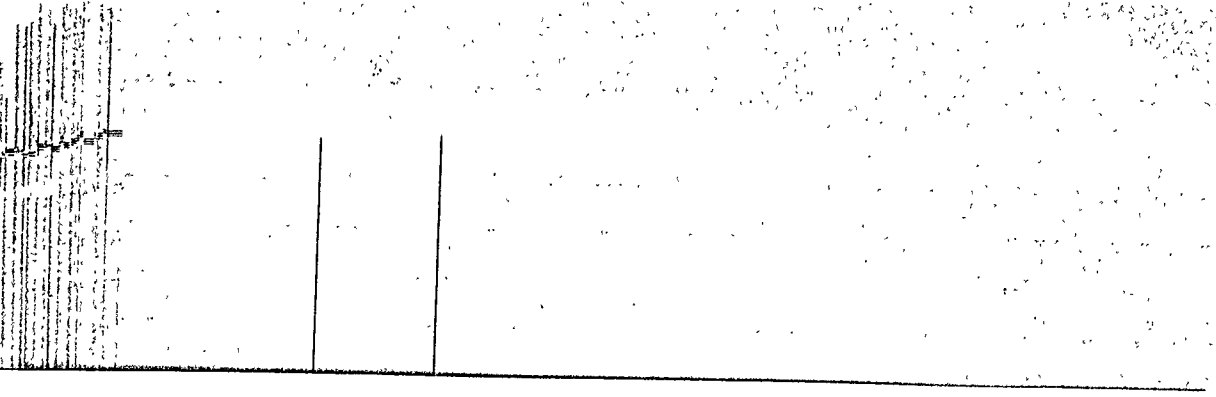
Chains	
	dig pits 18×18×12 ins. N. and S. of stone 3 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high W. of cor.
	From this point, the old ¼ sec. cor., a slate stone, bears N. 88° E. 2.00 chs. dist. I destroy all traces of old corner. descend.
76.90	Bottom of gully, Course S. E. ascend.
80.00	Set a slate stone, 20×12×5 ins. 15 ins. in the ground for cor. of secs. 19. 24. 25 and 30, marked with 4 notches on N. and 2 notches on S. edges, and raise a mound of stone 2 ft. base 1½ ft. high W. of cor. Pits impracticable.
	From this point the old cor., a slate stone, bears S. 89° 10' E. 1.90 chs. dist. I destroy the cor.
	Land, rolling and broken.
	Soil, gravelly and rocky; 4th rate.
	No timber.
	Sept. 21 - 1895 -
	South bet. secs. 25 and 30.
	Ascend over broken ground.
9.80	Top of ridge bears E. and W. descend.
15.50	Outer bottom.
28.20	Dry wash, 50 lks. wide, 6 ft. deep. Course S. E.
30.00	Leave bottom, ascend.
40.00	On point of low ridge, bears N. W. Set a sandstone 16×11×5 ins. 12 ins. in the ground for ¼ sec. cor. marked ¼ on W. face, and raise a mound of stone 2 ft. base 1½ ft. high W. of cor. Pits impracticable.
	All indications of the old cor. have disappeared. descend.
61.00	Bottom of gulch 50 ft. deep, Course W. ascend.
65.00	Point of ridge, 25 ft. high, bears N. W. descend.
68.00	Bottom of gulch 75 ft. deep. Course N. W. ascend.
73.50	Top of ridge 100 ft. high, bears N. W. and S. E. descend.
77.50	Bottom of gulch, 50 ft. deep. Course N. W. ascend.
80.00	Set a slate stone 15×10×5 ins. 9 ins. in the

Resurvey of the W. bdy. of T16 S. R. 11 E., etc.
Continued.

Chains.	
	Ground for cor. of Secs. 25. 30. 31 and 36., marked with 5 notches on N. and 1 notch on S. edges; and raise a mound of stone 2 ft. base 1½ ft. high, W. of cor. Pits impracticable. From this point the old cor. a slate stone, bears East 3.00 chs. dist. I destroy the cor. Land, broken and bottom. Soil, gravelly and rocky, 4th rate. No timber.
	South bet. Secs. 31 and 36. Ascend over broken ground
4.30	Top of ridge, 100 ft. high bears N. W. and S. E. descend.
8.50	Bottom of gulch, 60 ft. deep, Course N. W. ascend.
25.00	Top of ridge, 250 ft. above sec. cor., bears N. E. and S. W. descend.
35.50	Enter flat.
40.00	Set a trachyte stone 16×8×4 ins. 12 ins. in the ground for ¼ sec. cor. marked ¼ on W. face; dig pits 18×18×12 ins. N. and S. of stone, 3 ft. dist., and raise a mound of earth 3½ ft. base 1½ ft high W. of cor. After diligent search, no signs of the old ¼ sec. cor. can be found.
80.00	The cor. of Tps. 16 and 17 S. Rs. 10 and 11 E. Land broken and rolling Soil gravelly and rocky; 3rd rate. No timber

Sept 22 - 1895

John T. Breckon
U.S. Deputy Surveyor



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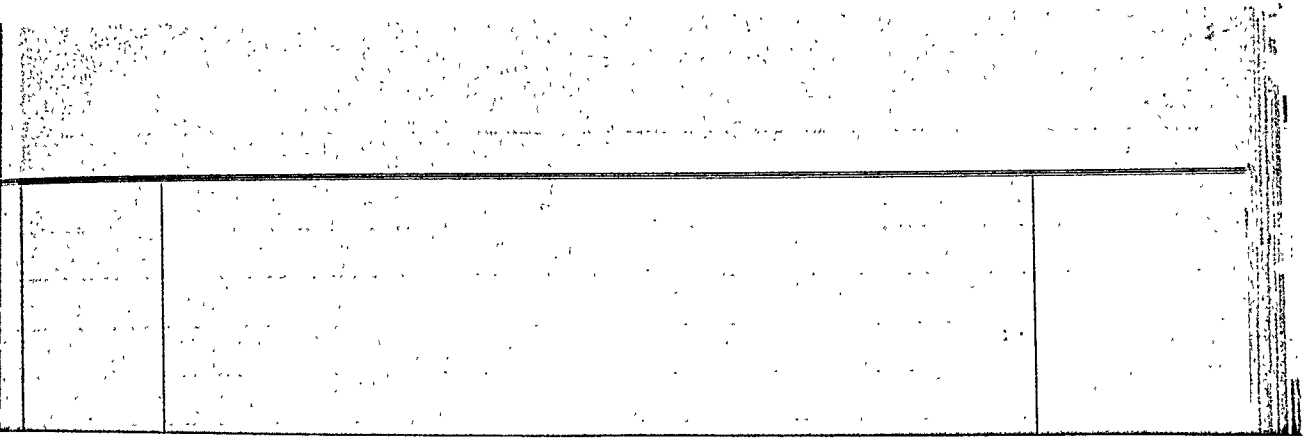

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List of Names.

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

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

.....

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.....Meridian, in ..... , showing ...ve capacities in which they acted:

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Final Oath of Assistants:

We hereby certify that we assisted .....

....., U. S. Deputy Surveyor, in surveying all ...se parts or portions of the .....

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.....Meridian, ..., as are represented in the ...going field notes as having been surveyed by him and under his direction; and that said survey has been in all ...ects, to the best of our knowledge and belief, well and faithfully surveyed, and the corner monuments established, ... to the instructions furnished by the U. S. Surveyor General for .....

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...scribed and sworn to before me this .....
day of ....., 18 .

SEAL

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6—151

I, ..., U. S. Deputy Surv

solemnly swear that, in pursuance of instructions received from .....,

Surveyor General for ....., bearing date of the .....

....., 18 , I have well, faithfully, and truly, in my own proper person, and i

conformity with the instructions furnished by the U. S. Surveyor General for .....

surveying manual, and the laws of the United States, surveyed all those parts or portions of .....

.....

.....

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.....

.....Meridian, in the....., as are represented in th

going field notes as having been surveyed by me, and under my directions; and I do further solemnly swear tl

the corners of said survey have been established and perpetuated in strict accordance with the surveying

printed instructions, the special written instructions of the U. S. Surveyor General for.....

and in the specific manner described in the field notes, and that the foregoing are the true field notes of such s

and should any fraud be detected, I will suffer the penalty of perjury under the provisions of an Act of C

approved August 8, 1846.

.....

U. S. Deputy Surv

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

day of ....., 18 .

SEAL

.....

.....

Approval.

Office of the U. S. Surveyor General,

Salt Lake City, Utah June 30th, 189

The foregoing field notes of the survey of the Subdivisions of S 16 South Range 11 East of the Salt Lake Base Meridian, Utah

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..... execu

John T Breckon

under his Contract No. 199, dated March 5, 1895, having been cr

examined, the necessary corrections and explanations made, the said field notes, and the surveys they descri

hereby approved.

George W Snow

U. S. Surveyor Gen

I certify that the foregoing transcript of the field notes of the above-described surveys in .....

....., has been correctly copied from the original notes on file in this office.

.....

U. S. Surveyor Gen

6—151

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K.J.B.

4—679.

BOOK A-244

Corrective

FIELD NOTES

OF THE SURVEY OF

Subdivisions of T. 16. S. R. 11 E.

Of the Salt Lake Base Meridian,

State of Utah,

AS SURVEYED BY

John T. Breckon, United States Deputy Surveyor,

der his Contract No. 199, dated March 5th, 1895

letter E. dated Dec. 15th 1896

rvey commenced June 12", 1897

rvey completed June 16", 1897

6—151

Names and Duties of Assistants.

Harry H. Atkinson Chainman

C. L. Thomson Chainman

A. E. Laraway Axeman & Groundman

6—151

Subdivision of T. 6 S. R. 11 E.

Survey commenced June 12th 1897. and executed with Ca Gurley Mountain transit with solar attachment.

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. & P.M. hours with a true meridian determined by observations on Polaris, I proceed as follows;

At the cor. to Secs 1. 2. 35 & 36. on S. bdy. of Township, latitude 39° 23' N. longitude 110° 41' W; I set off 39° 23' on the lat. arc; 23°. 14' N. on the decl. arc; and at 4h 25m P.M. L.M.T. determine with the solar a true meridian, and mark a point thereon a stone firmly set in the ground 5.00 chs. N. of the cor.

June 12th 1897

June 13th at 1h 5m 8s a.m. L.M.T. I observe Polaris at eastern elongation, in accordance with Manual of Instructions, and mark a point in the line thus determined, on a plug driven in the ground, 5 chs N. of my station.

At 6h 30m a.m. L.M.T. I lay off the azimuth of Polaris 1° 35' to the west; and mark the true meridian thus determined, by cutting a small groove in the stone set June 12th on which the true meridian falls 0.4 ins east of the marks determined by the solar.

At 7h 50m A.M. L.M.T. I set off 39° 23' on the lat. arc; 23° 16' N. on the decl. arc; and mark a point in the line meridian determined with the solar, by a cross on the stone already set 5 chs N. of my station; this mark falls 0.2 ins east of the true meridian established by the Polaris observation;

The solar apparatus by P.M. & A.M.

		observations defines positions for two meridians, respectively about 0.21" & 0.10" east of the meridian established by the Polaris observations; therefore, I consider that the adjustments of the instrument are satisfactory.
		The magnetic bearing of the true meridian at 8h 30m a. m. is N 16° 33' W. the angle thus determined reduced by the table, page 100. gives the mean Mag. decl. 16° 28' E.
		N 0° 01' W. bet. secs 23 & 24.
		Descend about 100 ft. over rocky ridge. in scattering Cedars.
	6.60	Head of rocky gulch. course N.W. as
	12.40	Top of ridge 100 ft. high. bears N.W. & S.E.
	27.00	Descend rocky hillside to
	32.60	Head of gulch. course N.W. descend along rocky point on E. side of Cañon,
	40.00	The 1/4 Sec. Cor. which is a sandstone 10x12 x 8 ins. above ground, marked 1/4 on W face, with a mound of stone 2 ft. base, 1½ ft. high. N. of cor.
	52.20	Dry wash in bottom of Cañon, 30 lks wide, 3 ft. deep. course E. ascend.
	57.00	Point of rocky ridge 400 ft. high. bears E & W. descend.
	69.00	Enter Cañon, course N.E.
	70.18	Road. bears N.E. & N.W. ascend
	80.00	The old cor. bears N 0° 01' W 20 lks. dead tree. set a sandstone 20x6x8. on large flat boulder 10x12 ft. for cor. to Secs 13. 14. 23 & 24. marked 3. notches on N. & W. edges; and raised a mound of stone 3 ft. base 1½ ft. high around corner. Pits impracticable.
		Land. Broken.
		Soil. Rocky, 4th rate.
		Timber. Scattering Cedars.
		Mountainous. Land. 80. chs.

Subdivisions of T. 7 S. R. 11 E. Continued.

Chains.	
	East on a random line bet. Secs 13 & 24
40.00	Set temporary 1/4 Sec. Cor.
80.20	Intersect E. bdy. of Lot 5 the S. of cor. to Secs 13. 18. 19 & 24.
	Thence I. runs
	S. 89° 30' W. on a true line bet. secs 13 & 24.
	Entire scattering cedars. descend.
1.10	Dry gulch. course S. W. ascend.
7.20	Top of ridge 50 ft. high. bears W. & S. descend.
19.15	Ravine, 40 ft. deep. course S. W. ascend.
26.40	Top of ridge. bears W. & S. descend.
37.50	Enter bottom of dense brush, bears cedars.
40.10	Old cor. bears N. 10 lks. destroyed stone. and set a sandstone 18x10x9 ins. 12 ins. in the ground for 1/4 Sec. Cor. marked 1/4 on N. face; dug pits 18x18x12 ins. E. & W. of stone 3 ft. dist. and raised a mound of earth 3 ft. base. 1 1/2 ft. high. N. of cor. Lt. T. Brereton's Camp bears S. 30° 30' W. about 24.00 chs. dist.
42.00	Price river 50 lks wide. 2 ft. deep, course S.
54.70	Leave Price Canon, enter canon course E.
76.60	Road, bears N. E. & S. W.
78.00	Ascend 50 ft. to
80.20	The cor. to Secs 13. 14. 23 & 24.
	Land, broken.
	Soil. Rocky & Gravelly, 4th rate.
	Timber. Scattering cedars. Cottonwood along river.
	Mountainous land on dense undergrowth on 80.20 chs.

	N. 70° 01' W. bet. secs 13 & 14.
	Ascend along East side of rocky ridge.
19.00	Top of ridge. bears N. E. & S. W. descend.
35.50	Head of gulch. course W. ascend.
40.00	The old cor. bears N. 11° 10' W. 102 lks. dist. destroyed stone. and set a sandstone 20x12x3 ins. 16 ins. in the ground for 1/4 Sec. Cor. marked 1/4 on W. face; and raised a mound of stone 2 ft. base. 1 1/2 ft. high. W. of cor.

Chains	
	Pits impracticable.
43.30	Top of ridge, bears E. & W. descend 80 ft. to
52.25	Bottom of ravine. Course E. ascend.
61.40	Point of ridge, 50 ft. high. bears E. & W. descend.
63.40	Gulch. course E. ascend 150 ft. to
80.00	The old cor. bears N 8°.35' W. 155 lks. dist. destroyed same, and set a limestone 16×10×5 ins. 11 ins. in the ground for cor. to secs 11.12.13 & 14, marked 4 notches on S. & 1 notch on E. edges; dug pits 18×18×12 ins. in each sec. 5½ ft. dist. and raised a mound of earth 3½ ft. base, 1½ ft. high. W. of cor.
	Land, broken.
	Soil, Rocky, 4th rate.
	No timber
	Mountainous land 80. chs.
	N 89°.58' E. on a random line bet. secs 12 & 13.
X 40.00	Set temp. - any ¼ sec. cor.
80.40	Intersect E. bdy. of Tp. 5 lks. S. of cor. to secs 7.12.13 & 18.
	Thence I run
	S 89°.56' W. on a true line bet. secs 12 & 13.
	Descend gradually about 100 ft. over gravelly ridge to
32.80	Enter bottom & dense greasewood & sage brush.
33.50	Piece river 80 lks. wide. 2 ft. deep. course.
39.70	Leave bottom and brush. ascend.
40.20	Old cor. bears N. 40 lks. dist. destroyed marks on same, and set a limestone 16×10×7 ins. 11 ins. in the ground for ¼ sec. cor. marked ¼ on N. face; and raised a mound of stone 2 ft. base. 1½ ft. high. N. of cor. Pits impracticable.
	Ascend about 100 ft. over rocky ledges to
45.50	Top of ledges.
46.00	Point of ridge. bears N & S. descend.
60.00	Ravine, course N.E. ascend 100 ft. to
69.00	Top of ridge. bears N & S. descend
77.90	Gulch. course S. ascend.

Subdivision of T. 16 S. R. 11 E. Continued

Chains	
80.40	The cor. to secs 11.12.13 & 14.
	Land broken.
	Soil. Gravelly & Rocky 4th rate.
	No timber. Dense brush on bottom.
	Mountainous land 80.40 chains.
	No. 01' W. bet. secs 11 & 12.
	Ascend about 50 ft.
2.70	Top of ridge. bears E & W. descend.
17.20	Top of sandstone ledges. descend 50 ft. to
19.70	Leave ledges.
28.20	Gulch. course NE. ascend.
32.00	Point of ridge 50 ft. high. falls E. descend.
40.00	The old cor. bears No. 30' W 266 chains, dist. destroyed same. and set a sandstone 16x12x8 ins. 11 ins. in the ground for 1/4 sec. Cor. marked 1/4 on W. face; and raised a mound of stone 2 ft. base. 1½ ft. high. W. of Cor. Pits impracticable.
41.30	Gulch. course S.E. ascend.
57.80	Top of ridge. bears E & W. descend.
61.70	Head of gulch. course N.W. ascend.
65.20	Top of ridge 60 ft. high. bears NW & S.E. descend.
77.90	Gulch. course N.E. ascend.
79.74	The old corner on line. destroyed same.
80.00	Set a Lava rock 20x16x10 ins. 15 ins. in the ground for cor. to secs 1.2.11 & 12. marked 5 notches on S. & 1 notch on E. edges; and raised a mound of stone 2 ft. base, 1½ ft. high. W. of Cor. Pits impracticable.
	Land broken.
	Soil. Gravelly & Rocky 3rd rate.
	No timber.
	Mountainous land. 80. chains.
	N 89° 36' E. on a random line bet. secs 1 & 12.
40.00	Set temporary 1/4 Sec. Cor.
80.60	Intersect E. bdy. of Tp. 10 lks N. of cor. to secs 1.6.7 & 12.
	Thence I run

Subdivision of T. 16 S. R. 11 E. Contin

Chains.	
	West on a true line bet. secs 1 & 12.
X	Descend gradually
10.40	Bottom of gulch. course S.W. ascend.
20.40	Descend.
28.40	Enter bottom & dense greasewood and sage brush.
31.40	Price river 80 lks wide, 1 ft. deep. course S.E.
36.70	Price river 80 lks. wide, 1 ft. deep. course N.E.
40.30	The old cor. bears S. 13 lks. dist. destroyed same & set a sandstone 16x12x6 ins. 11 ins. in the ground for 1/4 Sec. Cor. marked 1/4 on N. face; dug pits 18x18x12 ins. E & W. of Cor. 3 ft. dist. and raised a mound of stone 3 1/2 ft. base, 1 1/2 ft. high. N. of Cor.
44.60	Price river 100 lks wide, 1 ft. deep. course S.
45.60	Cabin bears S 4.60 chains.
57.10	Leave bottom & brush, ascend 200 ft. to
60.60	Top of ridge. bears N & S. descend.
80.00	Gulch. course N.E. ascend to
80.60	The cor. to Secs 1.2.11 & 12.
	Land. broken & bottom.
	Soil. Sandy & Rocky. 2nd & 4th rate.
	No timber. dense undergrowth on bottom.
	Mountainous land and dense brush on 80 chs
	No. 01' W. bet. secs 1 & 2.
X	Ascend about 40 ft. to
12.25	Top of ridge. bears E & W. descend 150 ft. to
25.30	Ravine. course E. ascend.
37.90	Ridge. 140 ft. high, bears E & W. descend.
39.89	The old cor. on line. destroyed same.
40.00	Set a boulder 16x14x10 ins. 11 ins. in the ground for 1/4 Sec. Cor. marked 1/4 on W. face; and raised a mound of stone 2 ft. base, 1 1/2 ft. high. W. of Cor. Pits impracticable.
	McGann's Corral bears S 54° E about 38 chs.
51.60	Gulch, 50 ft. deep. course E. ascend.
72.45	Top of ridge, bears N.E. & S.W. descend.
77.90	Ditch 5 lks wide. 6 ins. deep. course N.E.
78.05	Road. bears E & W.

Subdivision of T. 16 S. R. 11 E. Continued

Chains	
78.50	The Closing Corner to Secs. 1 & 2, which is a sandstone 10 x 15 x 5 ins. above ground marked C.C. on S. with 1 groove on E. & 5 grooves on W. faces; and pits 24 x 12 x 8 ins. crosswise in each line, and mound of earth 4 ft. base, 2 ft. high. S. of Cor. Land, broken. Soil, Gravelly & Rocky, 5th rate. No timber. Mountainous land 78.50 chains. June 13th 1897.
	No. 01 W. [illegible] Sec. 22 & 23. Ascend about 80 ft. in scattering cedars.
8.00	Top of ridge, bears E & W. descend
15.00	Head of ravine, course E. ascend
22.00	Top of ridge, bears E & W. descend.
40.00	The old cor. bears N. 42 lks dist. destroyed same, & set a sandstone 20 x 10 x 4 ins. 15 ins. in the ground for 1/4 Sec. Cor. marked 1/4 on W. face; and raised a mound of stone 2 ft. base, 1½ ft. high. W. of Cor. Pits impracticable.
41.40	Ravine, course N.E. ascend.
45.00	Top of ridge 100 ft. high, bears N.E. & S.W. descend.
58.60	Ravine, course N.E. ascend 100 ft. to
64.60	Top of ridge, bears N.E. & S.W. descend.
80.00	The old cor. bears N. 78 lks dist. destroyed same, and set a boulder 16 x 12 x 8 ins. 11 ins. in the ground, for cor. to Secs. 14, 15, 22 & 23. marked 3 notches on N. and 2 notches on E. edges; and raised a mound of stone 2 ft. base, 1½ ft. high. W. of cor. Pits impracticable. Land, broken. Soil, Gravelly & Rocky, 4th rate. Timber, Scattering Cedars. Mountainous land 80. chains. June 14th At this cor. at 8h 50m a.m. l.m.t. I set off 39°26' N on the lat. arc; 25°18' N. on the decl. arc; and determine a true meridian with the solar.

Subdivision of T. 16 S. R. 11 E. Continued

	Chains	
		S 89° 58' E. on a random line bet. secs 14 &
	40.00	Set temporary 1/4 Sec. Cor.
	80.00	Intersect N. & S. line at cor. to secs 13. 14. 23 & 24
X		thence I run
		N 89° 58' W. on a true line bet. secs 14 & 23
		Ascend steep sandstone Bluffs 50 ft in
		scattering cedars.
	1.50	Top of ridge, bears N. & S.
	6.80	Descend sandstone Bluffs 30 ft.
	12.70	Enter bottom. Road bears NW & SE.
	13.45	Dry wash 40 lks wide 3 ft. deep. course S. E.
		ascend sandstone bluffs 80 ft.
	16.00	Top of bluffs ascend gradually
	28.20	Top of ridge, bears N & S. descend.
	29.80	Top of sandstone Bluffs 25 ft. high. bear
		NE & SW. Trees cedars.
	36.80	Enter bottom. dry wash 30 lks wide 4 ft. deep
	39.00	Leave bottom. ascend.
	40.00	The old cor. bears N. 42 lks. dist. destroyed
		stone and set a limestone 16 x 10 x 6 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
	54.50	Point of ridge 40 ft. high. falls N. abruptly.
	59.50	Enter bottom and dense brush.
	60.10	Dry wash 30 lks wide 4 ft. deep. course N. E.
	76.90	Same wash 30 lks wide 4 ft. deep. course S. E.
	77.40	ascend.
	80.00	The cor. to secs 14. 15. 22 & 23.
		Land broken & bottom.
		Soil. Gravelly & Rocky 3rd & 4th rate.
		Timber. a few scattering cedars
		Mountainous land and dense brush on 80 chs
		North. 01' W. bet. secs 14 & 15
		ascend
	.80	Enter bottom and dense brush.
	3.20	Dry wash 30 lks wide 4 ft. deep. course S. E.
	5.80	Road. bears NW & SE.
	21.00	Leave bottom & brush. ascend 80 ft. to
	23.00	Top of ridge. 80 ft. high. bears N. W. & S. E.

Subdivision of T. 16. S. R. 11. E. Continued.

Chains	
	descend 60 ft. to
15.80	Gulch. course S. E. ascend.
33.30	Top of ridge 50 ft. high. bears E. & W. descend
40.00	The old cor. bears N. 50 lks. dist. destroyed stamd. and set a boulder 12 x 10 x 6 ins. 8 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. Site impracticable.
41.60	Ravine. course E. ascend.
47.60	Point of ridge 75 ft. high. bears E. & W. descend.
56.90	Road. bears N.W. & S.E. into bottom
79.90	Same road. bears N.E. & S.W.
80.00	The old corner bears N 26° 30' W 60 lks. dist. destroyed stamd. and set a sandstone 24 x 12 x 6 ins. 18 ins. in the ground. for cor. to Secs 10. 11. 14 & 15. marked 4 notches on N. & 2 notches on E. edges; stone pile 18 x 18 x 12 ins. in each. Sec. 6 1/2 ft. dist. and raised a mound of stone 4 ft. base. 2 ft. high. W. of cor. Land. broken. & bottom. Soil. Sandy & Gravelly 3rd rate. Mountainous land & Stones Brush on 1690 chs.
	S 89° 58' E. on a random line bet. Secs 11 & 14
40.00	Set temporary 1/4 Sec. Cor.
80.00	Intersect N. & S. line 5 lks N. of cor. to Secs 11. 12. 13 & 14.
	Thence S. ans.
	N 89° 56' W. on a true line bet. Secs 11 & 14.
	Descend gradually.
40.00	The old cor. bears N. 11° 10' W. 172 lks. dist. destroyed stamd. and set a limestone 20 x 12 x 4 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. 1 1/2 ft. high. N. of cor. Site impracticable.
72.00	Enter bottom. Valley. wash. & Cla. soils. 8 ft. deep. course S. ascend.
74.50	
79.80	Road. bears N.E. & S.W.
80.00	The Cor. to Secs 10. 11. 14 & 15.
	Land. rolling.

Chains	
	oil. Gravelly & Rocky. 4th rate.
	No timber.
	Mountainous land 72. chains.
	No: 01' W. bet: secs 10 & 11.
X	Ascend gradually.
5.85	Dry wash 30 lks wide 4 ft: deep. course S.E.
7.10	Road. bears NW & S.E.
31.20	Top of rocky point 50 ft: above sec. cor. bears E & W. descend
34.00	Small gulch. course S.W. ascend.
40.00	The old cor. bears S62°W 60 lks. dist: destroyed same & set a lava rock 16x14x10 ins. 11 ins. in the ground for 1/4 sec. cor. marked 1/4 on W. face; dug pits 18x18x12 ins. N & S. of cor. 3 ft: dist: and raised a mound of earth 4 ft: base, 2 ft: high W. of cor.
44.90	Road. bears N.E & S.W.
80.00	The old cor. bears S27°50' W. 81 lks dist: destroyed same & set a lava rock 16x12x6 ins. 11 ins. in the ground, for cor. to secs 2. 3. 10 & 11. marked 5 notches on S. & 2 notches on E. edges; dug pits 18x18x12 ins. in each sec. 5½ ft: dist: and raised a mound of stone 4 ft: base. 2 ft: high. W. of cor.
	Land. Rolling.
	Soil. Sandy 2nd rate.
	No timber
	Mountainous land 80 chains.
X	S89°56' E. on a [illegible] line bet: secs 2 & 11.
40.00	[illegible] temporary 1/4 sec. cor.
80.00	Intersect N & S. line at cor. to secs 1. 2. 11 & 12.
	thence [illegible]
	N89°56' W on a true line bet: secs 2 & 11.
	Ascend about 50 ft: to
17.00	Top of ridge. bears N & S. descend
25.50	Gulch. course N. ascend.
38.50	Top of ridge. bears N & S. descend gradually
40.00	The old cor. bears S12°50' W 90 lks dist:

Subdivision of T. 16. S. R. 11. E. Continued.

Chains	
	destroyed same & set a lava rock 20×12×12 ins. 15 ins. in the ground for 1/4 sec. Cor. marked 1/4 on W. face; and raised a mound of stone 2 ft. base. 1½ ft. high. N. of Cor. Pits impracticable.
47.20	Gulch. course N. ascend.
67.70	Top of ridge. bears N & S. descend gradually
72.90	Road. bears N.E & S.W.
80.00	The cor. to secs 2. 3. 10 & 11.
	Land. broken.
	Soil. gravelly & Rocky 3rd & 4th rate.
	No timber.
	Mountainous land 80. chains.
	No°01' W. bet. secs 2 & 3.
	Ascend gradually.
40.00	The old cor. bears S 17°40' W. 67 lks. dist. destroyed same & set a lava rock 18×12×4 ins. 12 ins. in the ground for 1/4 sec. Cor. marked 1/4 on W. face; dug pits 18×18×12 ins. N & S. of cor. 3 ft. dist. and raised a mound earth 3½ ft. base. 1½ ft. high. W. of cor.
	Descend gradually.
78.85	The closing cor. to secs 2 & 3. which is a sandstone 5×12×8 ins. above ground marked C.C. on S. with 2 grooves on E. and 4 grooves on W. faces; dug pits 24×18×12 ins. crosswise on each line E & W. 3 ft. and S. of stone 7 ft. dist. and raised a mound of earth 4 ft. base. 2 ft. high. S. of Cor.
	Land, rolling.
	Soil, Sandy, 2nd rate.
	No timber.
	Mountainous land 78.85 chs.
	June 14th 1897.
	No°02' W. bet. secs 21 & 22.
	Descend 80 ft. to
12.10	Gulch course E. ascend.
14.40	Point of rocky ridge. 50 ft. high. bears

Chains	
	N.E. & S.W. descend.
19.50	Gulch. course N.E. ascend.
24.00	Top of ridge 50 ft. high. bears N.E. & S.W. descend.
35.10	Ravine. course N.E. ascend.
40.00	The old cor. bears E. 12 lks dist. destroyed same and set a lava rock 18×12×8 ins. 12 ins. in the ground for 1/4 Sec. Cor. marked 1/4 on W. face; and raised a mound of 2 ft. base, 1½ ft. high. W. of Cor. Pits impracti
43.20	Top of ridge 50 ft. above cor. bears N.E. & S.W. descend.
57.75	Gulch. course W. Road. bears E. & W. ascend.
64.00	Top of rocky ridge, 50 ft. high. bears E. & W. descend.
66.00	Enter bottom & brush.
66.30	Dry wash 30 lks wide. 5 ft. deep. course E.
72.00	Leave bottom & brush. ascend.
80.00	The old cor. bears east 28 lks dist. destroy same and set a sandstone 16×12×8 ins. 11 ins. in the ground for cor. to secs 15, 16, 21 & 22. marked
	16 S. on N.E.
	11 E. on S.E. with 3 notches on S. and E. edges; and raised a mound of stone 2 ft. base, 1½ ft. high. W. of cor. Pits impracticable.
	Land broken.
	Soil Gravelly & Rocky, 4th rate.
	Mountainous land of dense brush on 80. chs.
	N89°58'E. on a random line bet. secs 15 & 22.
40.00	Set temporary 1/4 Sec. Cor.
79.94	Intersect N. & S. line 14 lks N. of cor. to secs 14, 15, 22 & 23.
	thence I run
	N89°56'W. on a true line bet. secs 15 & 22. Descend.
1.00	Enter bottom & brush.

Subdivision of S. 16 T. 11 N. R. 11 E. Continued

Chains	
11.15	Dry wash 80 lks wide 4 ft: deep. course N.E.
14.25	Road. bears N.E & S.W.
22.00	Leave bottom & brush. ascend.
25.00	Top of ridge. 50 ft: high. bears N.W & S. descend.
34.70	Enter bottom & brush.
38.97	The old cor. bears N 15° 40' E. 45 lks dist: destroyed same and set a sandstone 16 x 12 x 5 ins. 11 ins. in the ground for 1/4 sec. Cor. marked 1/4 on W. face; dug pits 16 x 18 x 12 ins. E & W. of Cor. 3 ft: dist: and raised a mound of earth 3 ft: base, 1 ft: high N of Cor.
68.80	Leave bottom & brush ascend
79.94	The Cor. to Secs 15. 16. 21 & 22. Land, rolling and bottom. Soil. Sandy & gravelly 3rd rate. No timber. Dense brush on 55.60 chains.

N 0° 02' W. bet: Secs 15 & 16.
Ascend gradually

26.00	Point of ridge 100 ft: above Sec. Cor.
39.30	Dry wash 8 lks wide 2 ft: deep. course S.E.
40.00	The old cor. bears East 20 lks dist: destroyed same and set a sandstone 16 x 12 x 10 ins. 11 ins. in the ground for 1/4 Sec. Cor. marked 1/4 on W. face; dug pits 18 x 18 x 12 ins. N & W. of stone 3 ft: dist: and raised a mound of earth 3 ft: base, 1 ft: high. W. of Cor.
42.00	Ascend.
55.10	Top of ridge 80 ft: high. bears N.W. & S.E. descend gradually.
80.00	The old cor. bears East 20 lks dist: destroyed same, and set a sandstone 18 x 14 x 6 ins. 12 ins. in the ground for cor. to Secs 9. 10. 15 & 16. marked 4 notches on S. & 3 notches on E. edges; dug pits 18 x 18 x 12 ins. in each Sec. 6 1/2 ft: dist: and raised a mound of earth 4 ft: base. 2 ft: high W. of Cor. Land, rolling & broken. Soil. Sandy & gravelly 3rd rate.

Chains	
	No timber.
	S89°56' E. on a random line bet. secs 10 & 15.
40.00	Set temporary 1/4 Sec. Cor.
79.94	Intersect W. & S. line at cor. to secs 10.11.14 & 15.
	Thence I run
	N89°56' W. on a true line bet. secs 10 & 15.
	Enter flat.
5.00	Ascend over broken hills to
30.00	Top of ridge 150 ft. above Sec. Cor. bears N. & S. descend over low broken hills
39.97	The old cor. bears N. 25 lks dist. destroyed & set a sandstone 16×10×8 ins. 11 ins. in the ground for 1/4 Sec. Cor. marked 1/4 on N. face; dug pits 18×18×12 ins. E & W. of stone 3 ft. dist. and raised a mound of earth 3 1/2 ft. base, 1 1/2 ft. high, N. of Cor.
55.00	Enter flat on gradual ascent.
79.94	The cor. to secs 9.10.15 & 16.
	Land, rolling.
	Soil, Sandy & Gravelly, 3rd rate.
	No timber.
	N0°02' W. bet. secs 9 & 10
	Descend gradually over rolling ground.
40.00	The old 1/4 Sec. Cor. which is a sandstone 10×12×4 ins. above ground, marked 1/4 on W. face; dug pits 18×18×12 ins. N & S. of stone 3 ft. dist. and raised a mound of earth 3 1/2 ft. base, 1 1/2 ft. high, W. of Cor.
65.20	Enter bottom and brush.
72.30	Dry wash 50 lks wide. 4 ft. deep, course S.E.
79.70	Leave bottom & brush. ascend.
80.00	The old cor. bears N61°W. 20 lks. dist. destroyed and set a boulder 16×8×5 ins. 11 ins. in the ground for cor. to secs 3.4.9 & 10. marked 5 notches on S. & 3 notches on E. edges; dug pits 18×18×12 ins. in each Sec. 5 1/2 ft. dist. and raised a mound of earth 4 ft. base. 1 1/2 ft. high. W. of Cor.

Subdivision of T.16.S.R.11.E. Continued.

Chains.	
	Land. rolling and flat:
	Soil. Sandy & Gravelly. 3rd rate.
	No timber.
	S.89°.30' E. on a random line bet: secs 3 & 10.
40.00	Set temporary ¼ sec. Cor.
79.96	Intersect N & S. line 10 lks S. of cor. to secs 2.3.10 & 11.
	Thence I run
	West on a true line bet: secs 3 & 10.
	Descend gradually over broken land.
19.70	Dry wash 10 lks wide, 2 ft: deep. course S.
29.40	Dry wash 10 lks wide. 2 ft: deep. course S.
39.98	The old cor. bears S 16°.10' W. 107 lks. dist: destroyed. I set. and set a Lava rock 16x12x8 ins. 11 ins. in the ground for ¼ sec. Cor. marked ¼ on N. face; dug pits 18x18x12 ins. E & W. of stone 3 ft: dist: and raised a mound of earth 3½ ft: base. 1½ ft: high S. N. of Cor.
	Ascend y radius.
44.80	Top of ascent: 56 ft: above ¼ sec. Cor. bears N. & S. descend.
55.00	Gulch. course S. ascend.
60.80	Top of ascent: descend.
70.70	Dry wash 40 lks wide. 8 ft: deep. course S. W. Ascend.
76.50	Point of ridge. 30 ft: high. bears N.E & S.W. W. descent.
79.80	Gulch. course S. W. ascend
79.96	The cor. to secs 3.4.9 & 10.
	Land. rolling and broken.
	Soil. Sandy & Gravelly. 3rd rate.
	No timber.
	N. 0°.02' W. bet: secs 3 & 4.
	Ascend about 200 ft: to
14.20	Top of ridge. bears N.E & S.W. Thence over broken ground along westerly side of ridge
33.20	Top of ridge. bears N.W. & S.E. descend
36.50	Dry wash. in gulch. 30 lks wide. 2 ft: deep. Course S.E. ascend 100 ft: to

40.00	The old cor. bears N 33° W. 8 lks. dist: destroyed trees, and set a limestone 18×12×6 ins. 12 ins. in the ground for 1/4 sec. cor. marked 1/4 on W. face; and raised a mound of stone 2 ft. base, 1½ ft. high S. W. of Cor. Pits impracticable. On South slope of rocky knoll.
40.10	Top of ridge, bears N.W. & S.E. descend.
56.50	Ravine. course S.E.
57.30	Leave ravine. ascend.
78.65	The closing Cor. to secs 3 & 4. which is a sandstone 6×12×3 ins. above ground marked C.C. on S. with 3 grooves on E. & W. faces; and mound of stone 2 ft. base 1½ high. E. of Cor.
	Land. broken.
	Soil. Gravelly & Rocky. 4th rate.
	No timber.
	Mountainous land. 78.65 Chains.
	June 15th 1897.

	S. 70° 03' W. Bet: secs 28 & 29.
K	Ascend about 70 ft.
7.00	Top of rocky ridge. bears N.E. & S.W. Views Gradual descent over broken ground.
33.80	Dry wash 40 lks wide, 2 ft: deep. course N.E. ascend about 60 ft: W.
37.80	Top of ridge, bears N.E & S.W. descend gradually
40.00	The old cor. bears N. 15° W. 6 lks: dist: destroyed trees and set a sandstone 18×18×4 ins. 12 ins. in the ground for 1/4 Sec. Cor. mark 1/4 on W. face; and raised a mound of stone 2 ft. base, 1½ ft. high S. W. of Cor. Pits impracticable.
44.25	Gulch. course N.E.
53.00	Road. bears N.E & S.W.
62.25	Trail. bears N.W. & S.E.
68.10	Dry wash 80 lks wide. 6 ft: deep. course.
80.00	The old cor. bears N. 30 lks. dist: destroy trees. and set a sandstone 18×12×6 ins. 12 ins. in the ground for cor. to Secs. 20. 21. 28 & 29. marked 2 notches on E. & 4 mil

Subdivision of T. 16. S. R. 11. E. Continued.

Chains	
	on E. edges; dug pits 18×18×12 ins. in each Sec. 5½ ft. dist. and raised a mound of earth 4 ft. base. 2 ft. high. W. of Cor. Land. broken & rolling. Soil. Sandy & Rocky 3rd & 4th rate. No timber. Mountainous land. 53. chains.
	East on a random line bet. Secs 21 & 28.
40.00	Set temporary ¼ Sec. Cor.
80.08	Intersect N & S line at Cor. to Secs 21 & 22. 27 & 28.
	thence I run
	West on a true line bet. Secs 21 & 28.
	Descend about 25 ft. to
4.00	Gulch. course N.W. ascend
6.00	Top of ridge 75 ft. high. bears N & S. descend gradually
39.00	Point of low rocky ridge. bears N & S. descend.
40.04	The old cor. bears N. 15 lks. dist. destroyed same. and set a lava rock 20×16×6 ins. 15 ins. in the ground for ¼ Sec. Cor. marked ¼ on N. face; and raised a mound of stone 2 ft. base. 1½ ft. high. N. of Cor. Pits impracticable.
51.00	Dry wash. 30 lks wide. 10 ft. deep. Course N.E.
62.80	Road. bears N.E. & S.W. ascend gradually over flat.
80.08	The Cor. to Secs 20. 21. 28 & 29. Land. broken & rolling. Soil. Sandy & Rocky 3rd & 4th rate. No timber. Mountainous land 51. chains.
	No. 03 W. bet. Secs 20 & 21. Over rolling ground.
40.00	The old cor. bears North 25 lks dist. destroyed same. and set a sandstone 16×10×6 ins. 11 ins. in the ground for ¼ Sec. Cor. marked ¼ on W. face; dug pits 18×18×12 ins. N & S. of stone 3 ft. dist; and raised a mound of earth

	Chains	
		3 ft. base. 1½ ft. high. N. of Cor.
X	80.00	The Cor. to Secs 16. 17. 20 & 21. which is a sandstone 8×12×7 ins. above ground. mark 3 notches on S. & 4 notches on E. edges. dug 18×18×12 ins. in each Sec. 0½ ft. dist. and raised a mound of earth 4 ft. base. 2 ft. high S. W. of Cor.
		Land. rolling.
		Soil. Sandy & Gravelly. Scrub.
		No timber.
		East - on a random line bet. Secs 9 & 16.
	40.00	Set temporary ¼ Sec. Cor.
X	79.92	Intersect N & S. line 2 ¼ Chs. S. of cor. to Secs 9. 10 10 & 16.
		Thence S. run
		S 89° 50' W. on a true line bet. Secs 9 & 16.
		Ascend gradually about 50 ft. to
	27.00	Top of ridge. bears N & S.
	35.90	Dry wash 8 Chs wide. 2 ft. deep. course E.
	39.96	The old cor. bears N. 10 Lks. dist. destroyed stone & set a sandstone 20×12×4 ins. 13 ins. in the ground for ¼ Sec. Cor. marked ¼ on N. face. and raised a mound of stone 2 ft. base. 1½ ft. high. N. of cor. Trees impracticable.
	66.30	Ascend about 100 ft. to
	70.60	Top of ridge. bears N. 8 & E. S. W. descend gradually.
	77.92	The Cor. to Secs 8. 9. 16 & 17.
		Land. broken.
		Soil. Gravelly & Rocky. Scrub.
		No timber.
		N. 10° 03' W. bet. Secs 4 & 5.
		Land ascend 60 ft. run broken benches.
X	18.70	Ravine. course N. E. ascend.
	21.00	Top of ridge. 80 ft. high. bears N. 8 & S. W. descend.
	39.80	The old Cor. on line. destroyed stone
	40.00	Set a sandstone 16×12×8 ins. 11 ins. in the

Subdivision of T. 16. S. R. 11. E. Continued.

Chains	
	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
48.80	Enter bottom and brush.
48.90	Dry wash 40 lks wide. 6 ft. deep. Course E.
58.80	Leave bottom and brush. ascend over broken side of ravine.
78.50	The Closing Cor. to Secs 4 & 5. which is a limestone 6 x 10 x 6 ins. above ground. marked C.C. on N. with 4 grooves on E. & 2 grooves on W. faces; dug pits 18 x 18 x 12 ins. crossing on each line E. & W. 5 ft. and N. & S. 7 ft. dist. and raised a mound of earth 4 ft. base 2 ft. high. S. of Cor.
	Limb. broken & rolling.
	Soil. Sandy & Gravelly & Stony.
	No timber.
	Mountainous land or dense undergrowth on 78.50 chains.
	Closed 10th 1897
	West on a random line bet. Secs 19 & 30.
40.00	Set temporary 1/4 Sec. Cor.
77.10	Intersect W. bdy of T. 19 lks S. of cor. to Secs 19. 24. 25 & 30.
	Thence I run
	S 89° 52' E. on a true line bet. Secs 19 & 30.
	Descend
2.10	Gulch. course S. 5 ft. below Sec. Cor. ascend
7.00	Top of ridge, bears N.W. & S.E. descend.
11.50	Gulch, 5 ft. deep. course S.E. ascend
18.00	Top of ridge. bears N.W. & S.E. descend
32.50	Enter bottom of Cañon. course N.E.
35.50	Leave Cañon ascend.
37.10	The 1/4 Sec. Cor. which is a sandstone 6 x 12 x 4 ins. above ground, marked 1/4 on N. face; with a mound of stone 2 ft. base, 1½ ft. high. N. of cor.
39.00	Top of ridge 100 ft. high. bears N & S. descend.
47.80	Head of Gulch. Course N. ascend
57.10	Top of ridge, 100 ft. high. bears N.W. & S. descend

Chains.	
61.60	Gulch. Course N. ascend 80 ft. 6
76.50	Point of rocky ridge. Bears N.E. & S.W. descend about 20 ft. 6.
77.10	The Cor. 6 Secs 14. 20. 24 & 30.
	Land. Broken.
	Soil. Rocky. 4th rate.
	No timber.
	Mountainous. Land 77.10 Chains.

From the Cor. 6 Secs 17. 18. 19 & 20.

I run.

X N 89° 52' W. on a random line bet. Secs 18 & 19.

40.00	Set temp. mon. & Sec. Cor.
77.16	Intersect W. bdy. of Sp. 8 Lks N. of cor. 6 Secs 13. 18. 19 & 24.
	thence I run
	S 89° 58' E. on a true line bet. Secs 18 & 19.
	Ascend gradually over broken ground
37.16	Top of ridge. Bears N.E. & S.W. The 4th Sec. Cor. on line, which is a sandstone 8 x 12 x 8 ins. above ground. marked ¼ on N. face; a mound of stone 2 ft. base 1½ ft. high. N. of Cor.
	descend gradually about 200 ft. 6
65.65	Enter bottom of brook.
74.16	Dry wash 10 Lks wide. 6 ft. deep. Course N.E. ascend gradually 6
77.16	The Cor. 6 Secs 17. 18. 19 & 20.
	Land. Broken.
	Soil. Rocky. 4th rate.
	No timber.
	Mountainous land and dense undergrowth on 77.16 chains

June 16th 1897.

Note. I retraced all the balance of this township & find same 6 agree with old notes.

John T. Breckon
U.S. Dep. Surveyor

Resurvey of W. bdy. of T. 16 S. R. 11 E.

From the cor. to secs. 7. 12. 13 & 18. which I find to conform to field notes of former survey.
I run
North bet: secs 7 & 12.
Descend gradually over flat:

40.00 The old cor. bears N 6° 35' E. 135 lks. dist: destroyed same. and set a sandstone 16 x 10 x 6 ins. 11 ins. in the ground for 1/4 sec. Cor. marked 1/4 on N. face; dug pits 18 x 18 x 12 ins. N & S. of stone 3 ft: dist: and raised a mound of earth 3 ft: base, 1½ ft: high. N. of Cor.

66.30 Enter level bottom.

80.00 The old cor. bears N 14° 15' E. 135 lks dist: destroyed same. and set a sandstone 16 x 8 x 6 ins. 11 ins. in the ground for Cor. to secs 1. 6. 7 & 12, marked 5 notches on S. & 1 notch on N. edges; dug pits 18 x 18 x 12 ins. in each sec. 5½ ft: dist: and raised a mound of earth 4 ft: base. 2 ft: high N. of Cor.,
Land. Flat and rolling.
Soil. Gravelly 3rd rate.
No timber.

June 12. at 2h 40 m. P.M. L.m. T. I set off 37° 27' on the Lat: arc. 23. 15 S on the decl. arc; and determine a true meridian with the solar. at the cor. to secs 1. 6. 7 & 12
Thence I run
North bet: secs 1 & 6.
Over level bottoms.

26.10 Dry wash 60 lks wide. 6 ft: deep. course S. E.

27.50 Leave bottoms. ascend.

40.00 The old cor. bears North 138 lks dist: destroyed same. And 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; and raised a mound of stone 2 ft: base. 1½ ft: high.

W. of Cor. Pits impracticable

69.50 Top of ridge. bears N.W. & S.E. Descend. about 100 ft.

76.50 Enter flat.

78.10 The Closing Cor. to T. 16 S. R's 10 & 11 E. as described in former notes.

Land. broken & flat;

Soil. Gravelly. 3rd rate.

No timber

June 12" 189

John T. Breckon
U.S. Dep. Surveyor

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BOOK A-244

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Meanders Page.....

We, _____ and _____

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

_____

_____, *Chai*

_____, *Chai*

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

_____

_____, *Moun*

_____, *Moun*

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

SEAL

_____

_____

We, _____ and _____

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

_____

_____, *A.*

_____, *A.*

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

SEAL

_____

_____

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

_____, *Fla*

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

SEAL

_____

_____

Final Oaths of Deputy Surveyor and his Assistants.

LIST OF NAMES.

A list of the names of the individuals employed by _____

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

_____

showing the respective capacities in which they acted:

_____, *Chainman.*

_____, *Chainman.*

_____, *Moundman.*

_____, *Moundman.*

_____, *Axman.*

_____, *Axman.*

_____, *Flagman.*

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted _____

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

_____

_____

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

_____, *Chainman.*

_____, *Chainman.*

_____, *Moundman.*

_____, *Moundman.*

_____, *Axman.*

_____, *Axman.*

_____, *Flagman.*

_____

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

SEAL

_____

_____

6—151

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

United States Deputy Surv

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

SEAL

APPROVAL.

Office of the United States Surveyor General,

Salt Lake City September 30th, 1

The foregoing Corrective field notes of the survey of the Subdivision of T-16 .. 11 E- of the Salt Lake Base and Meridian Utah

executed by John T. Breckon
under his contract No. 199, dated March 5th + Hon. Comm. letter E. D, 1895, havin
critically examined, and the necessary corrections and explanations made, the said field notes, a
surveys they describe, are hereby approved.

George W. Snow
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 o

United States Surveyor Gene

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BOOK A-244

FIELD NOTES

OF THE SURVEY OF

Subdivision

of

Township No. 16 South, Range No. 10 East

Of the Salt Lake Base and Meridian,

in the Territory of Utah

AS SURVEYED BY

John T. Brecken, U. S. Deputy Surveyor,

Under his Contract No. 199, dated March 5, 1895.

Survey commenced September 24, 1895.

Survey completed October 2, 1895.

(12503—2,000.)

Andrew F. Richter Chairman

John R. Bennett Chairman

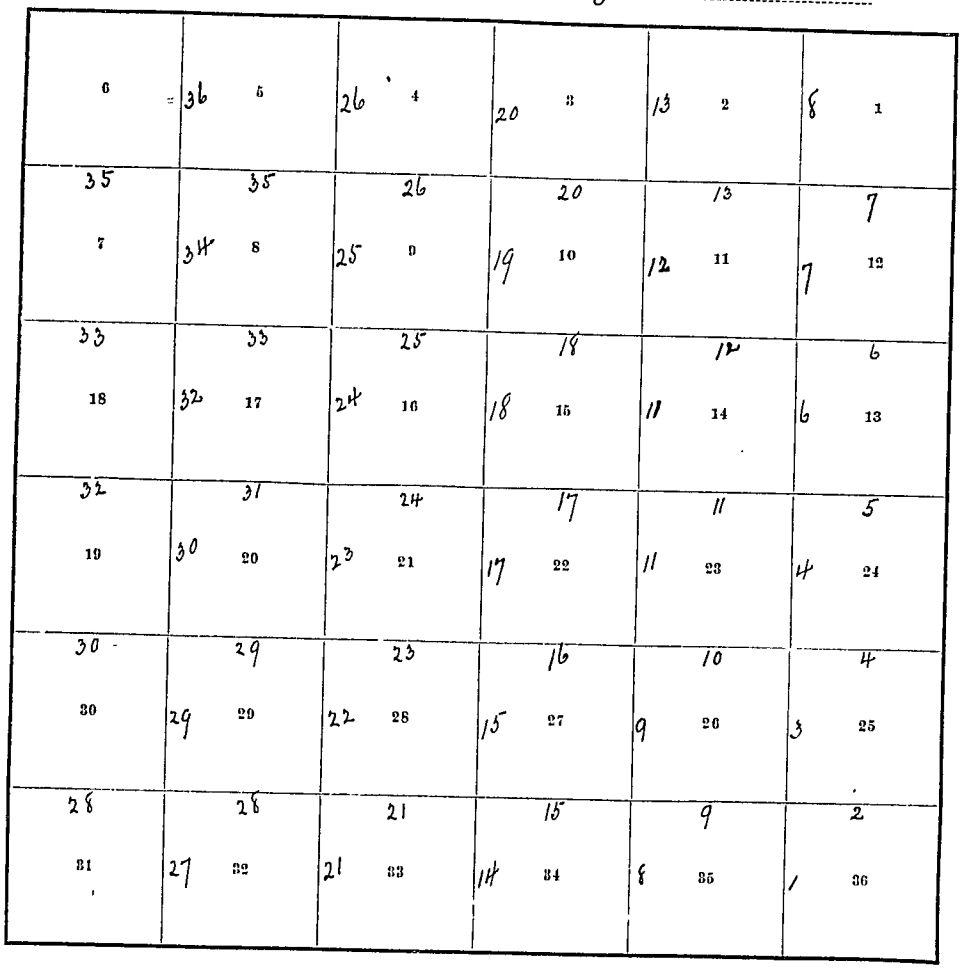
Parley Musser Axeman

Wm H. Lyons Axeman

BOOK A-244

INDEX DIAGRAM.

Township 16 South, *Range* 10 East.



Meanders Page.....

We, _____

_____

_____

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

_____

_____

_____

_____

_____, *Chain*

_____, *Chain*

_____, *Chain*

_____, *Chain*

Subscribed and sworn to before me this _____
day of _____, 18 .

_____

_____

We, _____

_____

_____

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

_____

_____

_____

_____

Subscribed and sworn to before me this _____
day of _____, 18 .

_____, *Axeman*

_____, *Axeman*

_____

_____

_____

Subdivision of T. 16 S. R. 10 E.

Survey Commenced Sept. 24th 1895, and executed with a Gurley Mountain Transit with Solar attachment as heretofore described.

I examine the adjustments of the transit, and correct the level & Collimation errors; then to test the Solar apparatus by Comparing its indication resulting from Solar observations with a true meridian determined by observations on Polaris Sept. 20. 1895; I Proceed as follows:—

At the Cor. of Tps. 16 & 17 S. Rs. 10 & 11 E., Lat. 39°23' N., Long. 110°44' W., I Set off 39°23' N. on the lat. arc.; 0°32' W. on the decl. arc.; and at 9h 04m A. M. l.m.t., mark a Point on the true meridian determined with the Solar, by a X on the Stone Set by me Sept. 20th 1895; 5.00 chs. N. of my Station; this mark falls East of the true meridian established by the Polaris observation; therefore I Conclude that the adjustments of the instrument are Satisfactory.

The magnetic bearing of the true meridian at 9h 10m A. M. is N 16° 34' W.; the angle thus determined, reduced by the table, Page 100, gives the mean mag. decl. 16°32' E.

From the Tp. Cor. as already described, I run West bet. Secs. 1 & 36.; at 39.98 chs. fall 1 lk. N. of the 1/4 Sec. Cor.; and at 79.99 chs. fall 1 lk. N. of the Cor. of Secs. 1. 2. 35 & 36 on S. bdy. of the Tp.; Consequently the S. bdy. of Sec. 36 bears W.

Therefore, the bearings are as Stated by the Surveyor General, and my Chaining Practically agrees with the field notes of the original Survey.

I Commence at the Cor. of Secs. 1. 2. 35 & 36. on the S. bdy. of the Tp., which is a limeStone, 5" x 10" x 5" ins. above Ground, firmly Set, and marked and witnessed as described by the Surveyor General.

Thence I run,

N. 0° 01' W. bet. Secs. 35 & 36

6 anis. Descend over broken Ground. 60 ft. to
4.60 Bottom of ravine, Course N. W. ascend.
15.00 Point of low ridge, bears E. & W. descend
18.50 Bottom of Gulch 50 ft. deep, Course, W. ascend.
21.50 Top of ridge, bears E & W. descend.
25.50 Bottom of Gulch 60 ft. deep, Course W. ascend
29.00 Top of ridge, bears E & W. descend
40.00 Set a Sandstone, 14 x 10 x 6 ins. 9 ins. in the Ground, for 1/4 Sec. Cor, marked 1/4 on W. face; dig pits 18 x 18 x 12 ins. N. & S. of Stone 3 ft. dist.; and raise a mound of earth 3 ft. base, 1½ ft. high, W. Cor.
44. Enter bottom.
49.10 Dry Wash, 30 lks. wide, 5 ft. deep, Course N. W.
80.00 Set a Sandstone, 24 x 14 x 2½ ins. 18 ins. in the ound, for Cor of Secs. 25. 26. 35 & 36., marked with 1 notch on S. & E. edges; and raise a Mound of Stone 2 ft. base, 1½ ft. high, W. of Cor. Pits impracticable.
Land, broken.
Soil, rocky, 4th. rate.
No. timber
Mountainous Land, 80.00 chs.

Back on a random line bet. Secs. 25 & 36
40.00 Set temp 1/4 Sec. Cor.
49.90 Intersect E. bdy. of Tp. at Cor. of Secs 25. 30. 31 & 36.
Thence I run
West on a true line bet. Secs. 25 & 36
In ravine, ascend rocky ridge
6.00 Top of ridge, 25 ft. above Sec. Cor., descend
14.00 Bottom of ravine, 50 ft. deep, Course N. W. ascend
25.00 Top of ridge, Course N. W. & S. E. descend.
38.80 Bottom of ravine, 50 ft. deep, Course, N. W. ascend
39.95 Set a Sandstone 18 x 12 x 2 ins. 12 ins. in the Ground, for 1/4 Sec. Cor., marked 1/4 on N. face, and raise a mound of Stone, 2 ft. base. 1½ ft. high. W. of cor. Pits, impracticable.

Subdivision of T. 16 S. R. 10 E. - Continued.

Chains.	
49.00	Top of ridge, 80 ft. high, bears N. W. & S. E. descend.
52.00	Bottom of ravine, Course N. W. ascend.
56.50	Top of ridge, 60 ft. high, bears N. W. & S. E. descend.
61.20	Bottom of ravine, Course N. W. ascend.
72.50	Top of ridge, bears N. W. & S. E. descend 80 ft. to
79.90	The cor. of Secs. 25. 26. 35 & 36. ✓ Sand, broken. Soil, rocky, 4th. rate. No timber Mountainous land, 79.90 chs.

N. 0° 01' W. bet. Secs. 25 & 26
Enter bottom & brush.

7.10	Dry Wash, 60 lks wide, 12 ft. deep, Course N. E.
9.00	In bend of Dry Wash 1.50 Chs. wide Course N. E.
34.00	Leave bottom, ascend.
40.00	Set a Sandstone 12 x 8 x 6 ins. 6 ins. in the Ground for 1/4 Sec. Cor., marked 1/4 on W. face; dig Pits 18 x 18 x 12 ins. N. & S. of Stone 3 ft. dist.; and raise a mound of earth, 3 1/2 ft. base, 1 1/2 ft. high, W. of cor. ✓
41.30	Top of ridge, 30 ft. high, bears N. W. & S. E. descend.
50.00	Bottom of ravine, Course S. E. ascend
61.00	Top of ridge, 50 ft. high, bears N. W. & S. E. descend Gradually
70.50	Ascend Gradually
80.00	Set a Sandstone, 18 x 12 x 6 ins. 12 ins. in the Ground, for Cor. of Secs. 23. 24. 25 & 26, marked with 2 notches on S. and 1 notch on E. edges. dig Pits, 18 x 18 x 12 ins. in each Sec. 6 1/2 ft. dist. and raise a mound of earth 4 ft. base 2 ft. high W. of Cor. ✓ Sand, broken & bottom Soil, Gravelly & rocky 3rd & 4th rate. No timber.

Chains. Past on a random line bet. Secs. 24 & 25.
40.00 Set temp. 1/4 Sec. Cor.
49.92 Intersect E. bdy. of Tp. at Cor. of Secs. 19. 24. 25 & 30.

Thence I run
east on a true line bet. Secs. 24 & 25.
Ascend, over broken ground, 50 ft. +
5.30 Top of ridge, bears N. W & S. E. descend
8.40 Bottom of gulch, Course S. E. ascend
14.90 Top of ridge, bears N. W. & S. E. descend
25.90 Bottom of gulch, Course S. E.
39.96 Set a Sandstone 20x16x2 ins. 15 ins. in the ground 1/4 Sec. Cor., marked 1/4 on N. face; dig pits 15x15x12 ins. E. & W. of Stone 3 ft. dist., and raise a mound of earth 3/2 ft. base, 1/2 ft. high, N. of Cor.
50.00 Top of ridge, 60 ft. high, bears N. & S.
61.90 Bottom of gulch, Course N. ascend
65.90 Top of ridge, bears N. W. & S. E. descend.
72.90 Bottom of gulch, Course N. W. ascend
76.00 Top of ridge, bears N. W. & S. E. descend Radually
9.92 The Cor. of Secs. 23. 24. 25 & 26.

Land, broken.
Soil, gravelly & rocky 4th rate
No timber.
Mountainous land, 49.92 chs.

N. 0° 01' W. bet. Secs. 23 & 24.
On a gradual ascent, 20 ft. +
5.00 Top of ridge, bears N. W. & S. E.
Descend Radually over rolling ground.
40.00 Set a Pine Stake 3 ft. long, 3 ins. Sq., with marked Stone, 24 ins. in the Ground, for 1/4 Sec. Cor., marked 1/4 S. on N. face, dig pits 15x1 x 12 ins. N. & S. of Cor. 3 ft. dist.; and raise a mound of earth 3/2 ft. base, 1/2 ft. high, N. of Cor.
64.00 Enter bottom.
80.00 Set a Pine Stake, 3 ft. long, 4 ins. Sq., with

See corners No 4 page 347

Subdivision of T. 16 S. R. 10 E. - Continued.

Chains	
	Marked Stone. 24 ins. in the ground, for Cor. of Secs. 13. 14. 23 & 24, marked T. 16 S., S. 13. on N. E., R. 10 E., S. 24 on S. E., S. 23 on S. W., and S. 14 on N. W. faces; with 3 notches on S. and 1 notch on E. edges; dig Pits 18×18×12 ins. in each Sec. 3½ ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high. N. of Cor. Land. rolling Soil, Sandy & Gravelly, 3rd rate. No timber Sept. 24. 1895.
	Past on a random line bet. Secs. 13 & 24
40.00	Set temp. ¼ Sec. Cor.
79.86	Intersect E. bdy. of Tp. 5 Mi. S. of Cor. of Secs. 13. 18. 19 & 24.
	Thence I run
	S. 89° 5' W. on a true line bet. Secs. 13 & 24.
	Descend Gradually into
12.00	Ravine, Course N. W. ascend
18.00	Top of Point of low ridge, bears N. descend.
20.00	Enter bottom
31.30	Dry Wash, 40 lks. wide, 5 ft. deep, Course N. E.
34.80	Same Wash. Course S. E.
38.70	Same Wash. Course N. E.
39.93	Set a Sandstone, 18×14×2 ins. 12 ins. in the Ground for ¼ Sec. Cor., marked ¼ on N. face; dig Pits 18×18×12 ins. E. & W. of Cor. 3 ft. dist.; and raise a mound of earth 3½ ft. base 1½ ft. high N. of Cor.
60.00	ascend
61.00	Top of Point of low ridge, bears S. descend
64.45	Dry Wash, 40 lks wide, 5 ft. deep, Course S. E.
79.86	The Cor. of Secs. 13. 14. 23 & 24. Land, nearly level Soil, Sandy & Gravelly 3rd rate. No timber

See Corners Bk 4 page 347.

	6 mis.	N. 0° 01' W. bet. Secs. 13 & 14. along nearly level bottom.
	14.30	Dry Track, 40 lks. wid, 5 ft. dep. Course S. E.
	18.00	Leave bottom, ascend bench.
	40.00	Set a Sand Stone boulder, 14 x 8 x 6 ins. 9 ins. in the Ground, for 1/4 Sec Cor., marked 1/4 on W. face; dig Pits 18 x 18 x 12 ins. N. & S. of cor. 3 ft. dist.; and raise a mound of earth 3 1/2 ft. base 1 1/2 ft. high. W. of cor.
See cor notes No 4 page 347	48.50	Top of ridge, bears E. & W. descend
	60.00	Set a Sandstone, 18 x 10 x 5 ins. 12 ins. in the Ground, for Cor. of Secs. 11. 12. 13. & 14., marked with 4. notches on S. and 1 notch on E. edge. dig Pits 18 x 18 x 12 ins. in each Sec, 3 1/2 ft. dist. and raise a mound of earth. 4 ft. base. 2 ft. high W. of cor.
		Land, rolling.
		Soil, Sandy & Gravelly 3rd rate.
		No timber.
		N 89° 58' E on a random line bet. Secs. 12 & 13.
	40.00	Set Limb 1/4 Sec. Cor.
	79.54	Intersect E. bdy. of Tp. at Cor. of Secs. 7. 12. 13 & 18.
		Thence I run
		S. 89° 58' W. on a true line bet. Secs. 12 & 13. on a Radual ascent over nearly level land.
See cor notes No 4 page 348	39.92	Set a Sand Stone 16 x 10 x 6 ins. 12 ins. in the Ground for 1/4 Sec. Cor., marked 1/4 on N. face; dig Pits 18 x 18 x 12 ins. E. & W. of Stone, 3 ft. dist.; and raise a mound of earth, 3 1/2 ft. base, 1 1/2 ft. high, N. of cor.
	42.00	Ascend N. E slope of ridge
	59.00	On top of Low ridge, bears N. W. & S. E. descend
	79.54	The cor. of Secs. 11. 12. 13 & 14.
		Land, rolling.
		Soil, Sandy & Gravelly 3rd rate
		No timber.

Subdivision of T. 16 S. R 10 E. – Continued

Chains		
	N. 0°01' W. bet. Secs. 11 & 12.	
	Ascend over rolling ground, 100 ft. to	
34.00	Top of ridge, bears E. & W. descend	
40.00	Set a cedar stake 3 ft. long 3 ins. sq., with marked stone, 24 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 S. on W. face; dig pits 18×18×12 ins. N. & S. 3 ft. dist.; and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high. W. of Cor.	
43.00	Hollow, Course E. ascend	
50.00	Top of ridge, bears E. & W., descend gradually 80 ft. over bench lands to	See cor notes No 4 page 348
80.00	Set a Sandstone 18×16×8 ins. 12 ins. in the ground, for Cor. of Secs. 1. 2. 11 & 12, marked with 5 notches on S. & 1 notch on E. edges; dig pits, 18×18×12 in. in each Sec. 5 1/2 ft. dist., and raise a mound of earth 4 ft. base, 2 ft. high, W. of Cor.	
	Land. rolling	
	Soil. Gravelly & rocky, 4th rate.	
	No timber	
	N. 89°58' E. on a random line bet. Secs. 1 & 12	
40.00	Set temp. 1/4 Sec. Cor.	
79.88	Intersect E. boundary of the Tp. 15 lks. North of cor of Secs. 1. 6. 7 & 12.	
	Thence I run	
	N. 89°56' W. on a true line bet. Secs. 1 & 12.	
	over bottom, land nearly level.	
24.90	Leave bottom, ascend foothills	
39.94	Set a cedar stake 3 ft. long. 3 ins. sq., with marked stone, 24 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 S. on N. face; dig pits, 18×18×12 ins. E. & W. 3 ft. dist., and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high N. of Cor. ascend 80 ft. to	See cor notes No 4 page 349
79.88	The Cor. of Secs. 1. 2. 11 & 12.	
	Land, rolling	
	Soil, Sandy & Gravelly, 3rd rate.	
	No timber.	

	Chains	
		September 25. 1895. at 4h 08m P.M. l.m.t. I set off 39° 28' N on the lat. arc; 1°.03' S on the decl. arc; and determine a true meridian with the Solar, at the Cor of Secs. 1. 2. 11 and 12.
		N. 0°01' W. bet. Secs. 1 and 2
		On a gradual descent over rolling ground
	40.00	Set a Sandstone, 18×12×4 ins. 12 ins. in the ground, for 1/4 Sec. Cor. marked 1/4 on W. face; dig pits 18×18×12 ins. N. and S. of stone 3 ft. dist.; and raise a mound of earth. 3/2 ft. base. 1/2 ft. high. W of Cor.
	52.10	Dry wash, 25 lks. wide, 6 ft. deep. Course E ascend gradually
See cor notes No 4 page 350	77.90	Intersect Third Standard Parallel South 10 lks. W. of Standard Cor. of Secs. 35 and 36, which is a Sandstone, 6×12×10 ins. above ground, marked and witnessed as described by the Surveyor. Set a Sandstone, 18×12×4 ins. 12 ins. in the ground for Closing Cor. of Secs. 1 and 2. T. 16 S. R. 10. E., marked C. C. on S., with 1 groove on E. and 5 grooves on W. faces; dig pits 24×12×8 ins. Crosswise on each line E. and W. 3 ft. and S. of stone, 4 ft. dist., and raise a mound of earth 4 ft. base. 2 ft. high. S. of cor.
		Land, rolling.
		Soil, Sandy and gravelly, 3rd rate.
		No timber
		Sept. 25. 1895.
		From the Cor. of Secs. 2. 3. 34 and 35., on the S. bdy. of the Tp., which is a Sandstone 8×14×3 ins., above ground, marked and witnessed as described by the Surveyor General, I run N. 0°01' W. bet. Secs. 34 and 35,
		Over nearly level land
	40.00	Set a Sandstone 18×12×4 ins. 12 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on W. face; dig pits 18×18×12 ins N. and S. of stone 3 ft. dist.; and raise a mound of earth, 3/2 ft. base 1/2 ft. high, W. of Cor.

Subdivision of T. 16 S. R. 10 E. — Continued.

Chains.	
43.10	Dry track. 10 lks. wide, 3 ft. deep, Course N. E.
44.20	Dry track. 20 lks. wide, 4 ft. deep, Course E.
80.00	Set a Sandstone, 12 x 14 x 9 ins. 13 ins. in the Ground, for Cor. of Secs 26. 27. 34 & 35, marked with 1 Notch on S. and 2 notches on E. edges; dig Pits 18 x 18 x 12 ins. in each Sec: 5½ ft. dist.; and raise a mound of earth 4 ft. base, 2 ft. high, W. of Cor.
	Land, nearly level.
	Soil, Sandy, 2nd rate
	No timber.
	September 26. 1895. at 8h 50m A.M. l.m.t. I Set off 39° 24' W. on the Lat. arc; 7°. 19' on the Dec. arc; and determine a true meridian with the Solar, at the Cor. of Secs. 26. 27. 34 & 35.
	Back on a random line bet. Secs. 26 & 35.
40.00	Set Temp. ¼ Sec. Cor
80.00	Intersect N & S. line 9 lks. S. of Cor. of Secs. 25. 26. 35 & 36.
	Thence I run
	S. 59° 56' W. on a true line bet. Secs. 26 & 35.
	Enter bottom.
0.50	Dry track, 40 lks. wide, 18 ft. deep, Course N. W.
2.95	Dry track. 40 lks. wide 16 ft. deep, Course N.
40.00	Set a pine Stake, 3 ft. long, 4 ins. Sq., with marked Stone, 24 ins. in the Ground, marked ¼ S. on W. face dig pits 18 x 18 x 12 ins. E. & W. of Post, 3 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high W. of cor.
50.60	Dry track, 65 lks. wide, 16 ft. deep, Course S. E.
80.00	The Cor. of Secs. 26. 27. 34 & 35.
	Land, nearly level.
	Soil, Sandy, 2nd rate
	No timber.
	N. 0° 01' W. bet Secs. 26 & 27 on nearly level land.

chains	
19.00	Dry Track, 10 lks. wide, 3 ft. deep, Course N. E.
25.00	Dry Track, 25 lks. wide, 6½ ft. deep; Course S. E.
40.00	Set a Pine Post 3 ft. long, 4 ins. Sq. with marked Stone, 24 ins. in the Ground, for ¼ Sec. Cor., marked ¼ S. on W. face; dig Pits 18 x 18 x 12 ins. N. & S. of Post, 3 ft. dist., and raise a mound of earth 2½ ft. base 1½ ft. high, W. of cor.ˣ
50.00	Set a Sandstone, 18 x 14 x 6 ins. 12 ins. in the Ground for Cor. of Secs. 22. 23. 26 & 24, marked with 2 notches on S. & 2 notches on E. edges; dig Pits 18 x 18 x 12 ins. in each Sec. 3½ ft. dist.; and raise a mound of earth 4 ft. base, 2 ft. high, W of Cor.ˣ
	Land, nearly level.
	Soil, Sandy, 2nd rate.
	No timber
	S. 59° 56' E. on a random line bet. Secs. 23 & 26.
40.00	Set Temp. ¼ Sec. Cor.
50.00	Intersect N. & S. line 5 lks. N. of cor. of Secs. 23 24. 25 & 26.
	Thence I run
	S. 59° 58' W. on a true line bet. Secs. 23 & 26.
	Descend Gradually 25 ft.
12.00	Ascend Gradually about 100 ft
36.50	Top of Low ridge bears N. W. & S. E. descend Gradually.
40.00	Set a Sandstone, 15 x 12 x 9 ins. 12 ins. in the Ground for ¼ Sec. Cor., marked ¼ on N. face; dig Pits 18 x 18 x 12 ins. E. & W. of Stone 3 ft. dist.; and raise a mound of earth, 3½ ft. base, 1½ ft. high. N. of cor.ˣ
75.50	Enter bottom
50.00	The cor. of Secs. 22. 23. 26 & 24.
	Land, broken & rolling
	Soil, Sandy & Gravelly, 3rd rate.
	No timber
	Mountainous Land 80.00 chs.

Subdivision of T. 16 S. R. 10 E. – Continued.

Chains.	N. 0°01' W. bet. Secs. 22 & 23
	Ovr rolling Ground
40.00	Set a Sand Stone, 16 x 9 x 8 ins. 12 ins. in the Ground for 1/4 Sec. Cor., marked 1/4 on W. face; dig Pits 18 x 18 x 12 ins. N. & S. of Stone 3 ft. dist.; and raise a mound of earth, 3½ ft. base, 1½ ft. high, W. of Cor.
80.00	Set a Sand Stone 18 x 12 x 4 ins. 12 ins in the Ground. for Cor of Secs. 14. 15. 22 & 23. marked with 3 notches on S. and 2 notches on E. edges.; dig Pits 18 x 18 x 12 ins. in each Sec. 5½ ft. dist. and raise a mound of earth 4 ft. base 2 ft. high W. of cor.
	Land, rolling
	Soil, Sandy & Gravelly 3rd rate.
	No timber.
	N. 89° 58' E. on a random line bet. Secs. 14 & 23
40.00	Set Stone 1/4 Sec. Cor.
80.08	Intersect N. & S. line 5. lks N. of Cor of Secs. 13. 14. 23 & 24.
	Thence I run
	East on a true line bet. Secs. 14 & 23.
	Ovr rolling Ground, descend Gradually
40.04	Set a Cedar Post 3 ft. long. 3 ins. Sq. with marked Stone 24 ins. in the Ground, marked 1/4 S. on N. face. dig pits 18 x 18 x 12 ins. E & W. of Post., 3 ft. dist., and raise a mound of earth 3½ ft. base, 1½ ft. high, N of Cor.
80.08	The cor. of Secs. 14. 15. 22 & 23.
	Land, rolling
	Soil, Sandy & Gravelly 3rd rate
	No timber.
	Sept. 26. 1895.
	N. 0°01' W. bet. Secs. 14 & 15
	Ovr rolling Ground.
40.00	Set a Sand Stone, 16 x 10 x 4 ins. 12 ins. in the Ground for 1/4 Sec. Cor. marked 1/4 on W. face; dig Pits 18 x 18 x 12 ins. N. & S. of Stone, 3 ft.

	6 ans.	dist., and raise a mound of earth, 3/2 ft. base, 1/2 ft. high, W. of Cor.
	75.40	Dry wash, 20 lks. wide 3 ft. deep, Course E.
See cor. notes No 4 page 350	80.00	Set a Sandstone, 18 x 12 x 9 ins. 12 ins. in the ground, for Cor. of Secs. 10. 11. 14 and 15; marked with 4 notches on S. and 2 notches on E. edges; dig pits 18 x 18 x 12 ins. in each Sec. 5/2 ft. dist.; and raise a mound of earth 4 ft. base 2 ft. high W. of Cor.
		Land, rolling
		Soil, Sandy and Gravelly, 3rd rate.
		No timber.
		Past on a random line bet. Secs. 11 and 14
	40.00	Set temp. 1/4 Sec. Cor.
	80.10	Intersect N. and S. line 7 lks. N. of Cor. of Secs. 11. 12. 13 and 14
		Thence I run
		N. 89°54' W. on a true line bet Secs. 11. and 14.
		Over rolling ground.
	22.60	ascend
	26.20	Top of ridge 200 ft. above Sec. Cor. bears N. E. and S. W. descend
See cor. notes No 4 page 367	40.00	Enter bottom.
	40.05	Set a Sandstone, 18 x 12 x 9 ins. 12 ins. in the ground for 1/4 Sec. Cor., marked 1/4 on N. face; dig pits 18 x 18 x 12 ins. E. & W. of Stone 3 ft. dist.; and raise a mound of earth, 3/2 ft. base 1/2 ft. high N. of Cor. descend gradually
	80.10	The Cor. of secs. 10. 11. 14 and 15.
		Land rolling and broken
		Soil Sandy and Gravelly, 3rd rate.
		No timber
		Mountainous land, 40.00 chs.
		N. 0°01' W. bet Secs. 10 and 11
		On bottom land
	15.00	Leave bottom, ascend
	37.50	Top of ridge, 200 ft. above Sec. Cor., bears N. E. and S. W.

Subdivision of T. 16 S. R. 10 E. – Continued.

Chains		
	Thence along top of ridge	
40.00	Set a Sandstone, 14×10×5 ins. 9 ins. in the ground, for 1/4 Sec. Cor. marked 1/4 on W. face; and raise a mound of stone 2½ ft. base, 1½ ft. high. W. of cor. Pits impracticable	
42.80	Descend over ridges 30 ft. to	
48.00	Head of gulch, Course S. W. ascend	
53.20	Top of ridge, bears E. and W. Descend 200 ft. to	See cor notes No 4 page 351
56.00	Enter bottom on gradual descent	
80.00	Set a Sand Stone 16×12×8 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; and raise a mound of stone 2½ ft. base, 1½ ft. high, W. of cor. Pits impracticable	
56.00 / 24.00	Land, broken Soil, rocky 4th rate. No timber Mountainous land, 56.00 chs.	
	S. 89°57' E. on a random line bet. Secs. 2 and 11.	
40.00	Set temp. 1/4 Sec. Cor.	
80.02	Intersect N. and S. line at Cor. of Secs. 1. 2. 11 and 12.	
	Thence I run	
	N. 89°57' W. on a true line bet. Secs. 2 and 11. over rolling ground.	
40.01	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. on N. face; dig pits 18×18×12 ins. E. and W. of post, 3 ft. dist., and raise a mound of earth 3½ ft. base. 1½ ft. high, N. of cor.	See cor notes No 4 page 352
80.02	The Cor. of Secs. 2. 3. 10 and 11 Land, rolling Soil, gravelly and rocky, 3rd rate No timber	
	N. 0°01' W. bet. Secs. 2 and 3. over nearly level land	

ains descending gradually
30.07 Dry wash, 15 lks. wide 3 ft. deep, Course N.E.
ascend gradually
40.00 Set an aspen post, 3 ft. long, 3 ins. sq. with marked stone, 24 ins. in the ground, for 1/4 Sec. Cor. marked 1/4 S. on W. face: dig pits 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.

See cor note N4 page 352

47 Intersect Third Standard Parallel South 33 lks. W. of Standard Cor. of Secs. 34 and 35; which is a Cottonwood post, 3 ins. sq. 3 ft. above ound, marked and witnessed as described by the Surveyor General.
et a Sandstone, 14 x 12 x 8 ins. 9 ins. in the ound for Closing Cor. of Secs. 2 and 3 T. 16 S. R. 10 E., marked C.C. on S., with 2 grooves on E. and 4 grooves on W. faces; dig pits 24 x 18 x 12 ins. Crosswise on each line E. and W. 3 ft. and S. of stone 4 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, S. of Cor.

Land, rolling
Soil, Sandy and gravelly 3rd rate
No timber

ept. 27, 1895: at 4 02m P.M. l.m.t., I set off 39°23 the lat. arc; 1° 49' S. on the decl. arc; and determine a true meridian with the solar, at the Cor. of Secs. 3. 4. 33 and 34.

From the Cor. of Secs. 3. 4. 33 and 34 on the S. bdy. of the Tp., which is a Sandstone, 4 x 9 x 4 ins. above ground, marked and witnessed as described by the Surveyor General, I run N 0° 02' W. bet Secs. 33 and 34
Over rolling ground, on gradual ascent,
0.00 Set a Pine post. 3 ft. long, 3 ins. sq., with marked stone, 24 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 S. on W. face; dig pits 18 x 18 12 ins. N. and S. stone, 3 ft. dist., and raise

Subdivision of T. 16 S. R. 10. E.- Continued.

Chains.	a mound of earth, 3½ ft. base, 1½ ft. high
	N. of Cor.
80.00	Set a Sandstone, 16 x 12 x 8 ins. 11 ins. in the ground for Cor. of Secs. 24, 25, 33 & 34, marked with 1 notch on S., and 3 notches on E. edges.; dig Pits 18 x 18 x 12 ins. in each Sec. 3½ ft. dist.; and raise a mound of earth 24 ft. base, 2 ft. high, N. of Cor.
	Land, rolling.
	Soil, Gravelly & rocky, 4th rate.
	No timber.
	Sept. 24, 1895.
	East on a random line bet. Secs. 24 & 34
40.00	Set temp. ¼ Sec. Cor.
79.84	Intersect N. & S. line, 5 lks. N. of Cor of Secs. 26, 24, 34 & 35.
	Thence I run
	N. 89° 55' W. on a true line bet. Secs. 24 & 34
	Over rolling Ground, on Radual descent
38.80	Dry Wash 20 lks. wide, 3 ft. deep, Course S.
39.92	Set a limestone 14 x 10 x 5 ins. 9 ins. in the Ground, for ¼ Sec. Cor., marked ¼ on N. face; dig Pits 18 x 18 x 12 ins. E. & W. of Stone 3 ft. dist.; and raise a mound of earth 3½ ft. base 1½ ft. high, N. of Cor.
41.44	Dry Wash, 30 lks. wide, 12 ft. deep, Course S. E.
48.34	Dry ditch, 15 lks. wide 1 ft. deep, Course S. E.
53.34	Old R. R. Grade, bears N. E & S. W.
64.34	Road, bears N. W. & S. E.
66.94	Road, bears N. W. & S. E.
79.84	The Cor. of Secs. 24, 25, 33 & 34
	Land, rolling.
	Soil, Gravelly & rocky, 4th rate.
	No timber.
	N. 0° 02' W. bet. Secs. 24 & 25
	On a Radual descent over rolling Ground
25.00	Dry Wash, 20 lks wide, 5 ft. deep, Course S. E.

Chains.	
32.50	Dry Wash, 1.50 Chs. wide 5 ft. deep. Course S. E.
40.00	Set a Sandstone 16 x 12 x 6 ins. 12 ins. in the Ground, for 1/4 Sec. Cor., Marked 1/4 on W. face; dig Pits 18 x 18 x 12 ins. N. & S. of Stone 3 ft. Dist., and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high, W. of Cor.
55.00	Dry Wash, 1.50 Chs. wide, 12 ft. deep, Course S. E.
55.30	Road, bears N. E. and S. W.
80.00	Set a Sandstone, 16 x 12 x 5 ins. 12 ins. in the Ground, for Cor. of Secs. 21. 22. 27 & 28, Marked with 2 notches on S. and 3 notches on E. edges; dig Pits 18 x 18 x 12 ins. in each Sec. 5 1/2 feet dist., and raise a mound of earth 4 ft. base, 2 ft. high W. of Cor.

Land, rolling
Soil, gravelly and rocky 40th Rate
No Timber.

S. 89° 55' E. on a random line bet. Secs. 22 & 27.

40.000	Set temp. 1/4 Sec. Cor.
79.96	Intersect N. and S. line at Cor. of Secs. 22. 23. 26 and 27.

Thence I run

N. 89° 55' W. on a true line bet. Secs. 22 & 27.
On a Radial ascent over rolling Ground.

23.00	Top of ridge bears N. & S.
25.00	Descend
26.00	Dry Wash, 20 Lks. Wide, 2 ft. deep. Course S.
26.66	Road bears N & S. ascend.
33.00	Top of low ridge, bears N. & S. descend.
38.46	Old R. R. Grade bears N. E. & S. W.
39.60	Hollow, drains S. ascend.
39.95	Set a Pine Post, 3 ft. long 3 ins. Sq. with Marked Stone 24 ins. in the Ground for 1/4 Sec. Cor., Marked 1/4 S. on N. face; dig Pits 18 x 18 x 12 ins. E. & W. of Post 3 ft. dist.; & raise a mound of earth 3 ft. base 1 1/2 ft. high, W. of cor.
44.56	Road bears N. E. & S. W.
53.50	Top of low ridge, bears N. & S. descend

Subdivision of T. 16 S. R. 10 E.- Continued

Chains.	
69.50	Outer bottom
69.96	Dry wash, 8 lks. wide 2 ft. deep, Course S. E.
74.26	Road, bears N. E. & S. W.
79.96	The Cor. of Secs. 21. 22. 27 & 28.
	Land, broken
	Soil, gravelly & rocky, 4th rate.
	No timber
	N. 0°02' W. bet. Secs. 21 & 22
	over rolling ground
12.80	Dry wash, 10 lks wide, 2 ft. deep. Course S. E.
13.80	Ascend bench
40.00	Set a Sandstone 16 x 12 x 8 ins. 12 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on W. face; dig pits 18 x 18 x 12 ins. N. & S. of Stone 3 ft. dist.; and raise a mound of earth 3/2 ft. base, 1/2 ft. high. W. of corner
80.00	Set a Sandstone, 18 x 12 x 7 ins. 12 ins in the ground, for Cor. of Secs. 15. 16. 21 & 22, marked 16 S. on N. E. 10 E. on S. E. faces; with 3 notches on S. & 3 notches on E. edges; dig pits 18 x 18 x 12 ins. in each Sec. 5/2 ft. dist.; and raise a mound of earth 4 ft. base 2 ft. high, W. of cor.
	Land, rolling
	Soil, gravelly & rocky 4th rate
	No timber.
	September 28. 1895. At this Corner, I set off 2°09' S. on the decl. arc; and at 11 hrs 51 min a.m., L.m.t., observe the Sun on the meridian the resulting latitude is 39°26' N.
	S. 89°58' E. on a random line bet. Secs. 15 & 22
40.00	Set temp. 1/4 Sec. Cor.
80.00	Intersect N. & S. line 5 lks. S. of Cor. of Secs. 14. 15. 22 & 23.
	Thence I run,
	West on a true line bet Secs. 15 & 22
	On gradual ascent over rolling ground.
28.50	Old R.R. grade, bears N & S.

Trans.

29.60 Road, bears N. & S. ascend 4 inches

40.00 Set a Sandstone, 16 x 10 x 6 ins. 12 ins. in the ground for 1/4 Sec. Cor., marked 1/4 on W. face; and raise a mound of Stone 2½ ft. base 1½ ft. high, W. of cor. Pits impracticable.

40.10 Top of rocky ridge, bears S. E. & N. W. descend

44.50 Head of gulch, Course S. E. ascend

51.00 Top of ridge, bears N. & S. descend 50 ft.

66.10 Road, bears N. & S.

80.00 The Cor. of Secs. 15. 16. 21 & 22.

Land broken & rolling
Soil, rocky, 4th rate.
No timber.
Mountainous land, 50.40 chs.

N. 0° 02' W. bet. Secs. 15 & 16.
Ascend over broken Ground

40.00 Set a Sandstone, 16 x 10 x 6 ins. 12 ins. in the ground for 1/4 Sec. Cor., marked 1/4 on W. face: dig Pits 15 x 15 x 12 ins N. & S. of Stone 3 ft's dist.; and raise a mound of earth 3½ ft. base, 1½ ft. high, W. of cor.

50.00 Top of ridge 50 ft. above Sec. Cor., descend

50.00 Set a Sandstone, 16 x 12 x 6 ins. 12 ins. in the Ground for Cor. of Secs. 9. 10. 15. & 16., marked with 4 notches on S. & 3 notches on E. edges; dig Pits 15 x 15 x 12 ins. 12 ins. in the ground in each Sec. 5½ ft dist., and raise a mound of earth 4 ft. base, 2 ft. high, W. of cor.

Land broken & rolling
Soil, gravelly & rocky, 4th rate.
No timber.

Back on a random line bet. Secs. 10 & 15.

40.00 Set Stone. for Sec. Cor.

50.06 Intersect N. & S. line 5 lks E. of Cor. of Secs 10. 11. 14 & 15.

Thence S'rly

S. 59° 05' W. on a true line bet Secs. 10 & 15.

Subdivision of T. 16 S. R. 10 E. - Continued

Chains.	
	Over nearly level land
4.50	Dry Wash, 30 lks. wide, 3 ft. deep, Course S. E.
34.65	Road, bears N. & S.
40.03	Set a Sandstone 12 x 10 x 4 ins. 8 ins. in the Ground, for 1/4 Sec. Cor., Marked 1/4 on N. face; dig Pits 18 x 18 x 12 ins. E. & W. of Stone 3 ft. dist., and raise a mound of earth 3 ft. base 1½ ft. high N. of cor.
50.10	Road, bears N. E. & S. W.
63.30	Old R. R. Grade, bears N. & S.
80.06	The Cor. of Secs. 9. 10. 15 & 16.
	Land, nearly level.
	Soil, Sandy & Gravelly 3rd Rate.
	No timber
	Sept. 28. 1895.

N 0° 02' W. bet. Secs. 9 & 10

Descend Gradually

8.50	Dry Wash, 20 lks. wide, 3 ft. deep, Course E.
20.00	Leave bottom ascend
40.00	Set a Sandstone, 20 x 10 x 5 ins. 15 ins. in the Ground for 1/4 Sec. Cor., Marked 1/4 on W. face; and raise a mound of Stone 2 ft. base, 1½ ft. high, W. of Cor. Pits impracticable.
40.25	Enter flat-top of mountain, 200 ft. above Sec. Cor.
55.50	Descend, head of Gulch, Course N.
62.00	Leave Gulch, enter bench, on Gradual descent
80.00	Set a Sandstone, 16 x 12 x 8 ins., 12 ins. in the Ground, for Cor. of Secs. 3. 4. 9. & 10, Marked with 6 notches on S. and 3 notches on E. edges; dig Pits 18 x 18 x 12 ins. in each Sec. 5½ ft. dist., and raise a mound of earth 4 ft. base 2 ft. high W. of cor.
	Land broken
	Soil, Gravelly & rocky, 4th Rate
	No timber.

89°58' E. on a random line bet. Secs. 3 and 10.
40.00 Set temp. 1/4 Sec. Cor.
80.10 Inter Sect N. and S. line. 6 lks. N. of cor of Secs. 2. 3. 10 and 11
Thence I run
West on a true line bet. Secs. 3 and 10.
Ascending Radually over bench Lands.
33.00 Old County road, bears N. and S.
35.15 County Road, bears. N. and S.
0.05 Set a Cedar Post 3 ft. long, 4 ins Sq. with marked Stone 24 ins. in the Round, for 1/4 Sec. Cor., marked 1/4 S. on N. face: dig Pits 18x18x12 ins. E. and W. of Post 3 ft. dist., and raise a mound of earth 3/2 ft. base 1/2 ft. high, N. of Cor.
55.30 Old R.R. Grade, bears. N. and S.
80.10 The Cor. of Secs. 3. 4. 9 and 10.
Land, rolling.
Soil, Sandy and Gravelly 3rd rate.
No timber.

0°02' W. bet. Secs 3 and 4.
On Radual descent over bench
12.60 Dry Wash, 30 lks wide, 3 ft. deep. Course E. descend
0.00 Set a Sandstone 16x10x8 ins. 12 ins. in the Round, for 1/4 Sec. Cor. marked 1/4 on W. face; dig Pits 18x18x12 ins. N. and S. of Cor. 3 ft. dist., and raise a mound of earth 3/2 ft. base 1/2 high, W. of cor.
67.50 Descend
78.00 Inter Sect Third Standard Parallel South. 35 lks. W. of Standard Cor. of Secs. 33 and 34, which is a Cottonwood Post 3 ft. above Ground 4 ins. Sq. Marked and witnessed as described by the Surveyor General.
Set a Sandstone, 18x12x6 ins. 12 ins. in the ound, for Closing Cor. of Secs. 3 and 4 T. 16 S. R. 10 E., Marked C.C. on S., with 3 grooves on E and W.

Subdivision of T. 16 S. R. 10 E. — Continued.

Chains.	faces: dig pits 24 × 12 × 8 ins. crosswise on each line E & W. 3 ft. & S. of Stone, 7 ft. dist; and raise a mound of earth 4 ft. base 2 ft. high S. of cor.
	Land rolling.
	Soil, Sandy & gravelly, 3rd rate.
	No timber.
	From the Cor. of Secs. 4. 5. 32 & 33 on the S. bdy. of the Tp., which is a Sandstone 5 × 8 × 8 ins. above ground, marked & witnessed as described by the Surveyor General, I run
	N. 0° 03' W. bet. Secs. 32 & 33
	On a gradual ascent over bench lands
21.35	County Road, bears N. E. & S. W.
40.00	Set a boxelder post 3 ft. long, 3 ins. sq. with marked stone, 24 ins in the ground, for 1/4 Sec. Cor. marked 1/4 S. on W. face; dig pits 18 × 18 × 12 ins. N. & 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.
46.30	Dry wash, 10 lks. wide 2 ft. deep, Course S. E.
60.00	Descend gradually
80.00	Set a Sandstone 20 × 14 × 8 ins. 15 ins. in the ground for Cor of Secs. 28. 29. 32 & 33. marked with 1 notch on S. and 4 notches on E. edges; dig pits 18 × 18 × 12 ins. in each Sec. 5 1/2 ft. dist.; and raise a mound of earth 4 ft. base 2 ft. high, W. of Cor.
	Land, rolling
	Soil, Sandy & gravelly 3rd rate
	No timber.
	Past on a random line bet. Secs. 28 & 33.
40.00	Set temp 1/4 Sec. Cor.
80.00	Intersect N. & S. line at Cor. of Secs. 27. 28. 33 & 34.
	Thence I run.
	West on a true line bet. Secs. 28 & 33.

6 ans. Over rolling Round on gradual ascent
28.40 Top of low ridge, bears S. descend Radially
40.00 Set a Pine Post 3 ft. long 3 ins. Sq. with marked Stone 24 ins. in the Round, for 1/4 Sec Cor. marked 1/4 S. on W. face; dig Pits 18 x 18 x 12 ins. E. & W. of Post 3 ft. dist and raise a mound of earth 3 1/2 ft. base 1/2 ft high W. of cor.
44.75 County Road, bears N.E. & S.W.
80.00 The Cor. of Secs. 28, 29, 32 & 33.
Land, rolling,
Soil, Sandy & Gravelly
No timber.

September 29 1895. At ; Corner of Secs. 28, 29, 32 & 33, I set off 39° 24' W on the Lat. arc; 2° 36' S. on the dect. arc; and determine a true meridian at 3 h 40 m P.M.
Thence I run
N. 0° 03' W. bet Secs. 28 & 29.
On a Gradual descent over rolling Ground
19.05 Dry Brush, 10 lks. wide 2 ft. deep, Course N.E.
40.00 Set a Sandstone 16 x 10 x 6 ins. 12 ins. in the ound for 1/4 Sec. Cor. marked 1/4 on W. face; dig Pits 18 x 18 x 12 ins. N & S. of Stone 3 ft. dist.; and raise a mound of earth 3 1/2 ft. base 1 1/2 ft. high, W. of cor.
ascend Radially
42.60 Dry Wash, 15 lks. wide 3 ft. deep, Course E.
44.00 Dry Brush, 20 lks wide 3 ft. deep. Course S.E.
77.35 Road bears N.W. & S.E.
80.00 Set a Pine Post. 3 ft. long, 4 ins. Sq. with marked Stone 24 ins. in the Round, for cor. of Secs. 20, 21, 28 & 29, marked with 2 notches on S. and 4 notches on E. edges; dig Pits 18 x 18 x 12 ins. in each Sec. 3 1/2 ft. dist.; and raise a mound of earth 4 ft. base 2 ft. high, W. of cor.
Land rolling - nearly level
Soil, Sandy & Gravelly 3rd rate.
No timber

Subdivision of T. 16 S. R. 10 E. - Continued.

Chains	
	East on a random line bet. Secs. 21 & 28
40.00	Set temp 1/4 Sec. Cor.
80.02	Intersect N. & S. line 4 lks. E. of cor of Secs. 21. 22. 27 & 28
	Thence I run
	S. 89° 54' W. on a true line bet. Secs. 21 & 28. over nearly level land.
5.00	Road. bears N. & S.
29.00	Dry Wash, 3.00 chs wide 15 ft. deep. Course S. E.
40.01	Set a Sandstone 18 x 12 x 4 ins. 12 ins. in the ground for 1/4 Sec. Cor, marked 1/4 on N. face; dig pits 18 x 18 x 12 ins E. & W. of Stone 3 ft. dist; and raise a mound of earth. 3 1/2 ft. base 1 1/2 ft. high, N. of cor. ascend gradually 50 ft. to
48.40	Top of Knoll, bears N. & S.
49.50	Descend
80.02	The Cor of Secs. 20. 21. 28 & 29.
	Land, rolling.
	Soil, Sandy & Gravelly 3rd rate.
	No timber
	Sept. 29. 1895.

N. 0° 03' W. bet. Secs. 20 & 21.
On a gradual ascent over rolling ground.

18.90	Dry Wash, 50 lks. wide 7 ft. deep, Course N. E.
26.00	Dry Wash 70 lks. wide, 15 ft. deep, Course N. E.
33.60	Dry Wash 50 lks. wide 30 ft. deep. Course N. E.
40.00	Set a Sandstone, 18 x 12 x 4 ins. 12 ins. in the ground for 1/4 Sec. Cor, marked 1/4 on W. face; dig Pits 18 x 18 x 12 ins. N. & S. of Stone 3 ft. dist., and raise a mound of earth 3 1/2 ft. base 1 1/2 ft. high, W. of cor.
45.00	Top of ridge, 50 ft. high, bears E. and W. descend
61.40	Dry Wash, 50 lks wide 24 ft. deep, Course S. E.
80.00	Set a Sandstone, 18 x 18 x 10 ins. 12 ins. in the ground, for Cor. of Secs. 16. 17. 20 & 21, Marked brbt 3 notches on S. and 4 notches on E. edges; dig Pits 18 x 18 x 12 ins, in each Sec. 3 1/2 ft. dist., and raise a mound of earth 4 ft. base, 2 ft high, W. of Cor

	ains. and, rolling Soil, Sandy & Gravelly 3rd rate No timber.
	S 89° 54' W. on a random line bet. Secs. 16 & 21
40.00	Set temp. 1/4 Sec. Cor.
80.0	Intersect N. & S. line 4 lks. N. of cor. of Secs. 15. 16. 21 & 22 Thence I run West on a true line bet. Secs. 16 & 21. Over rolling ground, ascend Gradually
20.54	Road. bears N. W. & S. E.
40.02	Set a Sandstone 18x12x4 ins. 12 ins. in the ound. for. 1/4 Sec. Cor., Marked 1/4 on N. face dig Pits 18x18x12 ins. E. & W. of Stone. 3 ft. dist., and raise a mound of earth 3 1/2 ft. base 1 1/2 ft. high N. of Cor.
50.05	Top of ridge, 80 ft. above Sec. Cor, bears N. & Descend
55.00	Gulch, Course S. ascend
60.00	Top of ridge, bears N. & S. descend S to
70.04	The Cor. of Secs. 16. 15. 20 & 21. Land, rolling & broken Soil, Sandy & Gravelly - 3rd rate No timber.
	N. 0° 03' W. bet. Secs. 16 & 15. Ascend over W. Slope of bench
40.00	Set a Sandstone, 19x12x4 ins. 13 ins. in the Ground, for 1/4 Sec. Cor., Marked 1/4 on W. face; dig Pits 18x18x12 ins. N. & S. of Stone, 3 ft. dist, and raise a mound of earth 3 1/2 ft. base 1 1/2 ft. high, W. of cor.
51.20	Road, bears N. W. & S. E.
43.00	Top of ridge 50 ft. high, bears E. & W. descend gradually
80.00	Set a Sand Stone, 18x18x9 ins. 12 ins. in the Ground, for Cor. Secs. 8. 9. 16 & 17.

Subdivision of T 16 S. R. 10 E.—Continued

Chains	
	Marked with 4 notches on S. & E. edges; dig pits 18 x 18 x 12 ins. in each Sec. 5½ ft. dist., and raise a mound of earth 4 ft. base 2 ft. high, W. of Cor. Land, rolling Soil, Sandy & Gravelly, 3rd rate No timber
	September 30, 1895. At the corner of Secs. 8, 9, 16 & 17 I set off 2°06' S. on the decl. arc; and at the same a.m. I m.t. observed the sun on the meridian, the resulting lat. is 39°24' N.
	Past on a random line bet. Secs. 9 & 16
40.00	Set temp. ¼ Sec. Cor.
80.06	Intersect N. & S. line at Cor. of Secs. 9, 10, 15 & 16
	Thence I run
	West on a true line bet. Secs. 9 & 16.
	On a gradual ascent over rolling ground.
40.03	Set a Sandstone 22 x 18 x 4 ins. 16 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N. face; dig pits 18 x 18 x 12 ins. E. & W. of Stone 3 ft. dist.; and raise a mound of earth 3½ ft. base, 1½ ft. high, N. of cor.
80.06	The Cor. of Secs. 8, 9, 16 & 17.
	Land rolling Soil, Sandy & Gravelly, 3rd rate. No Timber.
	N. 0°03' W. bet. Secs. 8 & 9.
	On gradual descent over bench land.
28.00	Dry Wash, 10 lks. wide, 2 ft. deep. Course S. E.
	Ascend gradually
40.00	at foot of ridge Set a Sandstone, 20 x 12 x 5 ins. 15 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face; dig pits 18 x 18 x 12 ins. N. & S. of cor. 3 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high, W. of cor.
42.50	Top of ridge, 50 ft. high, bears N. W. & S. E.

Subdivision of T. 16 S. R. 10 E. - Continued

Chains	
	descend.
51.75	Gulch, 60 ft. dep. Course E. ascend
64.00	Top of ridge 200 ft. high, bears E. & W.
64.00	Leave ridge, descend.
40.00	Foot of mountain, entr. bench, descend gradually
80.00	Set a Sandstone, 18 x 9 x 9 ins. 12 ins. in the ground, for Cor. of Secs. 4, 5, 8 & 9, marked with 5 notches on S. and 4 notches on E. edges; dig Pits 18 x 18 x 12 ins. in each Sec. 5 1/2 ft. dist. and raise a mound of earth, 4 ft. base, 2 ft. high, N. of Cor.
	Land, rolling & broken.
	Soil, Sandy & Ravelly, 3rd rate.
	No timber
	Past on a random line bet. Secs. 4 & 9.
40.00	Set temp. 1/4 Sec. Cor.
80.20	Intersect N. & S. line at Cor. of Secs. 3, 4, 9 & 10
	Thence I run
	West on a true line bet. Secs. 4 & 9.
	over Nearly level land
40.10	Set a Pine Post 3 ft. long, 4 ins. sq., with marked Stone 24 ins. in the ground, for 1/4 Sec. Cor, marked 1/4 S. on N. face; dig Pits 18 x 18 x 12 ins. E. & W. of Post, 3 ft. dist., and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high, N. of Cor.
80.20	The Cor. of Secs. 4, 5, 8 & 9.
	Land, rolling
	Soil, Ravelly & Sandy, 3rd rate.
	No timber
	N. 0° 03' W. bet. Secs. 4 & 5
	on a Radual descent
10.00	Dry Track 10 lks. wide, 2 ft. dep. Course N. E.
	Ascend gradually over rolling ground
24.40	descend
40.00	Set a Sandstone, 16 x 14 x 12 ins. 12 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on N. face

Subdivision of T. 16 S. R. 10 E. - Continued.

Chains.	dig pits, 18×18×12 ins. N. & S. of Stone 3 ft. dist, and raise a mound of earth 3½ ft. base, 1½ ft. high, W. of Cor.
56.50	Dry Wash, 15 lks. wide 2 ft. deep, Course N. E.
45.20	Intersect Third Standard Parallel South. 29 lks. W. of Standard Cor. of Secs. 32 & 33, which is a Cottonwood Post. 3 ft. above Ground, 3 ins sq., marked & witnessed as described by the Surveyor General.
	Set a limestone, 20×12×4 ins. 15 ins. in the Ground, for Cor. of Sec. 4 & 5 - T. 16 S. R. 10 E., marked C.C. on S. with 2 Grooves on W. and 4 Grooves on E. faces: dig pits 24×18×12 ins. Crosses on each line E. & W. 3 ft. & S. of Stone 4 ft. dist: and raise a mound of earth 4 ft. base, 2 ft. high S. of Cor.
	Land, rolling
	Soil, Sandy & Gravelly, 3rd rate.
	No. Timber.
	Sept. 30 - 1895
	From the Cor. of Secs. 5. 6. 31 & 32, on the S. bdy. of the Tp., which is a Sandstone 6×14×10 ins. above Ground, marked and witnessed as described by the Surveyor General, I run
	N. 0° 03' W. bet. Secs. 31 & 32.
	Descend 10 ft. to
2.25	Ditch, Course S. E. thence over rolling hills
4.00	Set a Cedar Post 4 ft. long, 4 ins. sq. with marked Stone 24 ins. in the Ground for 1/4 Sec. Cor., marked 1/4 S. on W. face: dig pits 18×18×12 ins. N. & S. of Post, 3 ft. dist., and raise a mound of earth 3½ ft. base 1½ ft. high, W. of cor.
45.50	Dry Wash, 50 lks. wide, 6½ ft. deep, Course S. E.
51.00	Ascend
54.00	Top of Ridge, 80 ft. high, Bears N. W. & S. E.
56.00	Descend.
44.50	Dry Wash, 6 lks. wide 2½ ft. deep, Course S. E.
80.00	Set a Sandstone, 16×12×5 ins. 12 ins. in the ground for Cor. of Secs. 29. 30. 31 & 32, marked with 1 notch on S. and 5 notches on E. edge: dig pits

Subdivision of T. 16 S. R. 10 E. Continued

6 Chains	18 x 18 x 12 ins. in each Sec. 6½ ft. dist., and runs a mound of earth 4 ft. base, 2 ft. high, N. of Cor.
	Land, rolling
	Soil, Sandy & Gravelly 3rd rate.
	No timber.
	East on a random line bet. Secs. 29 & 32
40.00	Set limp ¼ Sec. Cor.
80.00	Intersect N. & S. line at Cor of Secs. 28. 29. 32 & 33.
	Thence S. run.
	West on a true line bet. Secs. 29 & 32.
	over rolling land, gradually ascending
40.00	Set a Limestone, 18 x 10 x 6 ins. 12 ins. in the ground for ¼ Sec. Cor, marked ¼ on N. face: dig Pits 18 x 18 x 12 ins. E. & W. of Stone 3 ft. dist., and runs a mound of earth 3½ ft. base 1½ ft. high, N. of Cor.
45.00	Top of low ridge, bears N. W. & S. E., descend Radually
80.00	The Cor. of Secs. 29. 30. 31. & 32.
	Land, rolling
	Soil, Sandy & Gravelly 3rd rate
	No timber
	West on a random line bet. Secs. 30 & 31.
40.00	Set limp. ¼ Sec. Cor
79.60	Intersect the W. Fdy of Tp. at the Cor. of Secs. 25. 30. 31 & 36, whence is a Sandstone 6 x 5 x 4 ins. above Ground, marked & witnessed as directed by the Surveyor General.
	Thence S. run
	East on a true line bet. Secs. 30 & 31.
	over Flat.
14.60	W. Bank 1.00 ch. wide, 6 ft. deep, Course S. E.
25.60	Stream
39.60	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. on W. face, dig Pits 18 x 18 x 12 ins. E. & W. of Post, 3 ft. dist., and runs a mound of earth 3½ ft. base 1½ ft.

Subdivision of T. 16 S. R. 10 E. — Continued.

Chains	
	high, N. of cor.
51.60	Top of ridge, 50 ft. high, bears N. & S. descend
59.60	Outer bottom.
49.60	The cor. of Sec. 29. 30. 31 & 32
	Land, rolling & flat.
	Soil, Sandy & Gravelly 3rd rate
	No timber.

No. 03' W. bet. Secs. 29 & 30
over rolling Ground

40.00 Set a Lime Ston 16 x 12 x 3 ins. 12 ins. in the Ground for 1/4 Sec. Cor, marked 1/4 on N. face; dig Pits 18 x 18 x 12 ins. N. & S. of Stone 3 ft. dist., and raise a mound of earth 3½ ft. base 1½ ft. high, N. of cor.

80.00 Set a Limestone, 16 x 12 x 8 ins. 11 ins. in the Ground for Cor. of Secs. 19. 20. 29. & 30, Marked with 2 notches on S. and 5 notches on E. edges: dig Pits 18 x 18 x 12 ins. in each Sec. 5½ ft. dist., and raise a mound of earth 4 ft. base, 2 ft. high, N. of Cor.

Land, rolling
Soil, Sandy & Gravelly 3rd rate.
No timber.

October 1. 1895. At the Cor. of Secs. 19. 20. 29 & 30 I set off 3° 19' E. on the decl. arc; and at 11 hr 50 min a.m. l.m.t. observe the Sun on the meridian; the resulting lat is 39° 25' N.

Start on a random line bet. Secs. 20 & 29.

40.00 Set Temp. 1/4 Sec. Cor.

79.90 Intersect N. & S. line of Chs. N. of Cor. of Secs. 20. 21. 28 & 29.

Thence I run

N. 89° 58' W. on a true line bet. Secs. 20 & 29. On Gradual ascent over rolling Ground.

4.40 Road bears N. W. & S. E.

7.10 Dry Wash, 15 Lks. wide, 3½ ft. deep, Course S. E.

14.90 Dry Wash, 45 Lks. wide, 10 ft. deep. Course S. E.

39.95 Set a Sandstone, 14 x 5 x 5 ins. 10 ins. in the

Chain.	Found for 1/4 Sec Cor. marked 1/4 on N. face; dig Pits 18 x 18 x 12 ins. E. & W. of Stone 3 ft. dist., and raise a mound of earth 3 1/2 ft. base 1 1/2 ft. high, N. of Cor.
41.40	Dry Wash, 15 lks. wide, 6 ft. deep, Course N. E.
46.90	Dry Wash, 25 lks. wide 6 1/2 ft. deep, Course N. E.
61.90	Dry Wash, 5 lks. wide 3 ft. deep, Course N. E.
79.90	The Cor. of Secs. 19. 20. 29 & 30.
	Land, rolling.
	Soil, Sandy & Gravelly 3rd rate.
	No timber.

West on a random line bet. Secs. 19 & 30

40.00	Set temp. 1/4 Sec. Cor.
79.40	Enter Sec. E. bdy of T. 11 lks. S. of Cor. of Secs. 19. 24. 25 & 30. Which is a Limestone 5 x 11 x 5 ins. above Ground, marked & witnessed as described by the Surveyor General

Thence I run

S. 89° 55' E. on a true line bet. Secs. 19 & 30 on Radial Account.

11.90	Dry Wash 20 lks. wide, 5 ft. deep, Course S.
39.70	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. on N. face; dig Pits 18 x 18 x 12 ins. E. & W. of Post 3 ft. dist., and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high N. of Cor.
41.40	Top of ridge 50 ft. high, bears N. & S. descent
79.90	The Cor. of Secs. 19. 20. 29 & 30.
	Land, rolling.
	Soil, Sandy & Gravelly 3rd rate.
	No timber.

N. 0° 03' W. bet. Secs. 19 & 30 over rolling Ground

15.00	Dry Wash, 15 lks. wide 3 ft. deep, Course, E.
35.05	Dry Wash, 25 lks. wide 5 ft. deep, Course E.
40.00	Set a Limestone, 16 x 10 x 3 ins. 12 ins. in the

Subdivision of T 16 S. R. 10. E. – Continued

Chains	
	Found for 1/4 Sec. Cor., marked 1/4 on N. Face: dig Pit 18×18×12 ins. N. & S. of Cor. 3 ft. dist. and raise a mound of earth, 5½ ft. base, 1½ ft. high, N. of cor.
50.50	Dry Wash, 20 lks. wide, 6 ft. deep, Course E.
49.60	Ascend 10 ft to
50.00	Set a Sandstone 14×12×10 ins, 10 ins. in the Ground for Cor. of Secs. 14, 15, 19 & 20, marked with 3 notches on S. and 5 notches on E. edges; dig Pits 18×18×12 ins. in each Sec. 5½ ft. dist., and raise a mound of earth 4 ft. base, 2 ft. high N. of cor. This Cor. is on S. E. Slope of Knoll 4.00 Chs. in diam. 10 ft. below Top. Land, rolling, Soil, Gravelly & Sandy 3rd rate No timber.
	S. 59° 5' E. on a random line bet. Secs. 14 & 20
40.00	Set temp 1/4 Sec. Cor.
79.90	Intersect N. & S. line 3 Chs. N. of Cor. of Secs. 16. 14. 20 & 21
	Thence I run
	N. 59° 5' W. on a true line bet. Secs. 14 & 20 Over bottom Land
14.50	Dry Wash, 30 lks wide, 5 ft. deep, Course S. E.
26.90	Ascend from bottom.
38.00	Descend
39.95	Set a Sandstone 16×12×6 ins. 12 ins. in the Ground, for 1/4 Sec. Cor., marked 1/4 on N. Face; and raise a mound of Stone 2 ft base 1½ ft high, N. of Cor. Pits impracticable
40.40	Enter flat
54.40	Leave flat, ascend.
65.30	Top of ridge, 50 ft. high, bears N. W & S. E. Descend
68.40	Road, bears N. W. & S. E. ascend
72.40	Top of ridge, bears N. & S. descend
76.40	Enter flat
79.30	Leave flat. ascend 20 ft to
79.90	The Cor. of Secs. 14. 15. 19 & 20. Land broken & flat
43.00	
4.10	

Subdivision of T. 16 S. R. 10 E. - Cont

ains. oil, gravelly rocky, 4' rate
No timber.
Mountainous land, 43.00 chs.
Oct. 1. 18 5.

N. 89°55' W. on a random line bet. Secs. 18 & 1.
40.00 Set temp. 1/4 Sec. Cor.
79.80 Intersect W. bdy of Tp. at Cor. of Secs. 13. 18. 19 & 24, which is a Sandstone 10 x 7 x 7 ins above ground, marked & witnessed as described by the Surveyor General
Thence I run
S. 89°55' E. on a true line bet. Secs. 18 & 19.
over flat
39.80 Set an aspen post 3 ft. long, 3 ins. sq. with marked stone, 24 ins. in the ground, for 1/4 Sec. Cor. marked 1/4 S. on N. face: dig pits 18 x 18 x 12 ins. E. & W. of post, 3 ft. dist., and raise a mound of earth 3½ ft. base, 1½ ft. high, N. of cor.
44.80 Dry wash, 10 lks wide, 5 ft. deep, Course S. E.
57.80 Leave flat, ascend
61.80 Top of ridge, 50 ft. high, bears N. W. & S. E.
descend.
3.80 Enter flat.
76.80 Leave flat, ascend.
79.00 Point of knoll, descend 10 ft. to
9.80 The Cor. of Secs. 17. 18. 19 & 20.
Land broken & flat
Soil, Sandy & gravelly 3rd rate
No timber.

.0°03' W. bet. Secs. 17 & 18.
On side of knoll, ascend 10 ft. to
2.25 Top of knoll, descend
10.00 Bottom of gully, 40 ft. below Sec. Cor. bears N. W. and S. E. ascend over low ridge
19.00 Top of ridge, descend
29.00 Enter flat. Road, bears N. W. and S. E.
34.2 Dry wash, 10 lks wide, 3 ft. deep, Course S. E.

Subdivision of T. 16 S. R. 10 E. - Continued

Chains.	
40.00	Set a Sand Stone 16 x 12 x 8 ins. 12 ins. in the ground for 1/4 Sec. Cor., marked 1/4 on N. face; dig Pits 18 x 18 x 12 ins. N. & S. of Stone 3 ft. dist., and raise a mound of earth 3 1/2 ft. base 1 1/2 ft. high, N. of Cor.
80.00	Set a Sand Stone 16 x 8 x 6 ins. 12 ins. in the ground, for Cor of Secs. 4, 5, 14 & 15, marked with 4 notches on S. & 5 notches on E. faces; dig Pits 18 x 18 x 12 ins. in each Sec. 6 1/2 ft. dist., and raise a mound of earth 4 ft. base 2 ft. high, N. of Cor. Land, broken and flat Soil, Sandy & Gravelly 3rd rate. No timber

See on note 4 page 353

	S. 59° 54' E. on a random line bet. Secs. 5 & 14.
40.00	Set Temp. 1/4 Sec. Cor.
79.98	Intersect N. & S. line 5 lks. S. of Cor. of Secs. 5, 8, 16 & 17, Thence I run
	West on a true line bet. Secs. 5 & 14
39.99	Set an aspen Post, 3 ft. long, 3 ins. sq., with blazed Stone 24 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 S. on N. face; dig Pits 18 x 18 x 12 ins. E. & W. of post 3 ft. dist., and raise a mound of earth 3 1/2 ft. base 1 1/2 ft. high, N. of Cor.
40.50	Road, bears N. W. & S. E.
42.00	Descend into flat.
45.00	Dry Wash, 25 lks. wide, 3 ft. deep, Course S. E.
79.98	The Cor. of Secs. 4, 5, 14 & 15. Land, rolling Soil, Sandy & Gravelly, 3rd rate No timber

See on note 4 page 353

	N. 59° 55' W. on a random line bet. Secs. 4 & 15
40.00	Set Temp 1/4 Sec. Cor.
79.90	Intersects W. bdy. of Tp. 2 lks. S. of Cor. of Secs. 4, 5, 12, 13 & 15, which is a Sandstone 5 x 8 x 7 ins above.

Subdivision of T. 16 S. R. 10 E. - Continued

Chains	
	Thence I run
	S. 89° 54' E. on a true line bet. Secs. 4 & 15.
	On a gradual ascent, 50 ft. to
4.45	Top of ridge, bears N. & S. descend.
10.40	Bottom of gulch, course S. ascend.
21.60	Point of ridge, bears N. & S. descend 100 ft. to
34.90	Descend over rolling ground
39.90	Set a sandstone, 18 x 14 x 10 ins. 12 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on N. face; dig Pit 18 x 18 x 12 ins. E. & W. of Stone 3 ft. dist., and raise a mound of earth 3½ ft. base, 1½ ft. high, N. of Cor.
79.90	The Cor. of Secs. 4, 5, 14 & 15.
	Land, broken, & nearly level.
	Soil, sandy & gravelly, 3rd rate.
	No timber

October 2. At the Cor. of Secs. 4, 5, 14 & 15 I take off 3° 42' S. on the decl. arc; and at 11h 49m a.m. l.m.t. observe the Sun on the meridian, the resulting lat. is 39° 2' N. which is about 0.3 less than the adopted lat.

N. 0° 08' W. bet. Secs. 4 & 5 over nearly level land

0.90	Dry track, 25 lks. wide, 3 ft. dep. Course S. E. ascend
30.20	Road, bears N. W. & S. E.
40.00	Set a limestone 16 x 12 x 5 ins. 12 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on W. face; dig Pit 18 x 18 x 12 ins. N. & S. of Stone 3 ft. dist., and raise a mound of earth 3½ ft. base 1½ ft. high, W. of Cor.
65.00	Top of ridge 100 ft. high, bears E. & W. descend
80.00	Set a limestone, 20 x 16 x 2 ins., 15 ins. in the ground, for Cor. of Secs. 5, 6, 4 & 5, marked with 4 notches on S. & E. edges; dig Pits 18 x 18 x 12 ins. in each Sec. 5½ ft. dist., and raise a mound of earth 4 ft. base, 2 ft. high, W. of Cor.

See corners & sp. 354

Land rolling
Soil sandy & gravelly, 3rd rate.
No timber

Subdivision of T. 16 S. R. 10 E. – Continued

Chains	
	East on a random line bet. Secs. 5 & 8.
40.00	Set Limp. 1/4 Sec. Cor.
80.10	Intersect N. & S. line of Clks. S. of Cor of Secs 4. 5. 8 & 9
	Thence I run
	S. 89° 5' W. on a true line bet. Secs 5 & 8.
	Ascend over rolling ground
33.00	Top of ridge, 50 ft. high, bears N. W & S. E.
	descend
40.05	Set a Sandstone, 14 x 8 x 5 ins., 9 ins in the ground. for 1/4 Sec. Cor., marked 1/4 on N. face; and raise a mound of Stone 2 ft base, 1 1/2 ft. high, N. of cor. Pits impracticable.
80.10	The Cor. of Secs. 5. 6. 7. & 8.
	Land, broken
	Soil, Gravelly & rocky 4th rate
	No timber

	N. 89° 54' W. on a random line bet. Secs. 6 and 7
40.00	Set Limp. 1/4 Sec. Cor.
79.92	Intersect W. bdy. of Tp. at Cor of Secs. 1 6. 7. & 12, which is a Lime Stone, 5 x 10 x 4 ins. above ground, marked and witnessed as described by the Surveyor General
	Thence I run
	S. 89° 54' E. on a true line bet Secs. 6 & 7.
	On a gradual ascent over rolling ground.
39.92	Set a Sandstone 16 x 12 x 6 ins. 8 ins in the ground for 1/4 Sec. Cor., marked 1/4 on N. face; dig Pits 18 x 18 x 12 ins. 6 & W. of Stone 3 ft. dist., and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high, N. of Cor.
51.00	Top of ascent 60 ft above Sec. Cor.
	descend over broken ground
40.00	Ascend 50 ft.
45.00	Top of ascent, descend
79.92	The Cor of Secs. 5. 6. 7 & 8.
	Solid broken

Subdivision of T. 16 S. R. 10 E. Cont.

Chains	Soil, gravelly and rocky 4th rate. No timber
	N. 0°.03' W. bet. Secs. 5 and 6
	Descend
0.40	Head of Gulch, Course N. E. ascend
6.00	Top of ridge, 30 ft. above Sec. Cor. bears N. E. and S. W. descend into bottom.
20.00	Dry Wash, 10 lks. wide, 3 ft. deep, Course E.
40.00	Set an aspen post, 3 ft. long. 3 ins. sq., with marked stone, 34 ins. in the ground for 1/4 Sec. Cor., marked 1/4 S. on W. face; 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.
48.30.	Intersect Third Standard Parallel South 35 lks. W. of Standard Cor. of Secs. 31 and 32, which is an aspen post 4 ins. sq. 3 ft. above ground, marked and witnessed as described by the Surveyor General.
	Set a Sandstone 14 x 10 x 8 ins. 10 ins in the ground for Closing Cor. of Secs 5 and 6 T 16 S. R. 10 E., marked C.C. on S. with 5 grooves on E. and on W. faces; dig pits 24 x 18 x 12 ins. crosswise on each line, E. and W. 3 ft. and S. of stone 4 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, S. of Cor.
	Land rolling.
	Soil. Sandy and gravelly 3rd rate
	No timber
	Oct. 2. 1895.

Subdivision of T. 16 S. R. 10 E. – Continued

General Description.

This township lies in Castle Valley and is all low hills and valleys. The land is sandy and gravelly, and would produce good crops by the aid of irrigation canals several of which are under construction. There are no natural streams or lakes in the township.

There are no settlers nor improvements in this township, but I understand that there are several parties waiting for this survey and the completion of the canals.

There is no timber except a few scattering Cedars.

There is no mineral found in the township.

Wm. J. Powell the applicant for survey of this township, has his improvements in S. 17 S. R. 19 E. and S. 16 S. R. 9 E.

John T. Brecken
U. S. Deputy Surveyor

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List of Names.

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

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

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

Final Oath of Assistants:

We hereby certify that we assisted .....

....., U. S. Deputy Surveyor, in surveying all the parts or portions of the .....

..... Meridian, ..., as 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 U. S. Surveyor General for .....

Subscribed and sworn to before me this .....
day of ....., 18 .

SEAL

.....

.....

6—151

336-339 B

Final Oath of U. S. Deputy Surveyor.

I, _____, U. S. Deputy Sur
solemnly swear that, in pursuance of instructions received from _____
Surveyor General for _____, bearing date of the _____
_____, 18 , I have well, faithfully, and truly, in my own proper person, and
conformity with the instructions furnished by the U. S. Surveyor General for _____
surveying manual, and the laws of the United States, surveyed all those parts or portions of _____
_____
_____
_____
_____
_____ Meridian, in the _____, as are represented in
going field notes as having been surveyed by me, and under my directions; and I do further solemnly swear
the corners of said survey have been established and perpetuated in strict accordance with the surveying
printed instructions, the special written instructions of the U. S. Surveyor General for _____
and in the specific manner described in the field notes, and that the foregoing are the true field notes of such
and should any fraud be detected, I will suffer the penalty of perjury under the provisions of an Act of
approved August 8, 1846.

_____
U. S. Deputy Su

Subscribed and sworn to before me this _____
day of _____, 18 .

SEAL

_____

_____

Approval.

Office of the U. S. Surveyor General,
Salt Lake City, Utah, June 20th, 18

The foregoing field notes of the survey of the Subdivisions of S
No 1 South Range 10 East of the Salt Lake B
& Meridian, Utah
_____
_____
_____
_____
_____
_____ exec
_____
under his Contract No. 199, dated March 5, 1895, having been e
examined, the necessary corrections and explanations made, the said field notes, and the surveys they descr
hereby approved.

John F. Bracken

_____
U. S. Surveyor G

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

_____
U. S. Surveyor Gen

6—151

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K.J.B.

4—679.

BOOK A-244

Corrective

FIELD NOTES

OF THE SURVEY OF

Subdivisions of T. 16 S. R. 10 E.

Of the Salt Lake Base Meridian,

State of Utah

AS SURVEYED BY

John T. Breckon, United States Deputy Surveyor,

Under his Contract No. 199, dated March 5th, 1895

& Hon Comm Letter E dated Dec 15th 1896

Survey commenced June 16", 1897

Survey completed June 18", 1897

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BOOK A-244

Names and Duties of Assistants.

C. R. Thomson Chainman

Harry H. Atkinson Chainman

A. E. Laraway Axeman

BOOK A-244

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31	32	33	34	35	36

Meanders Page.....

Preliminary Oaths of Assistants.

***

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

. . . . . Chai[illegible]

. . . . . Chai[illegible]

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

[illegible]

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

. . . . . Mound[illegible]

. . . . . Mound[illegible]

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

[illegible]

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

. . . . . Ar[illegible]

. . . . . Ar[illegible]

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

[illegible]

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

. . . . . Fla[illegible]

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

[illegible]

Subdivision of T. 16 S. R. 10 E.

Chains.

From the cor. to secs 23. 24. 25 & 26. which conforms to field notes of former survey, thence S. run

No° 01' W. bet. secs 23 & 24.

Ascend gradually about 20 lks.

5.00 Top of ridge. bears N.W. & S.E. descend gradually over rolling ground

40.00 The old cor. bears east 22 lks. dist: destroyed same. and set a pine stake 3 ft: long. 3 ins. sq. with marked stone 24 ins. in the ground for 1/4 sec. Cor. marked 1/4 S. on W. face; dug pits 18×18×12 ins. N & S. of cor. 3 ft: dist: and raised a mound of earth 3 ft: base 1½ ft: high. W. of Cor.

67.00 Entin bottom.

80.00 The old cor. bears East 20 lks. dist: destroyed same and set a pine stake 3 ft: long. 4 ins. sq. with marked stone 24 ins. in the ground for Cor. to secs 13. 14. 23 & 24. marked

T. 16 S. S. 13. on N.E.

R. 10 E. S. 24 on S.E.

S 23. on S.W.

S 14. on N.W. faces. with 3 notches on S. and 1 notch on E. edges; dug pits 18×18×12 ins. in each sec. 5½ ft: dist: and raised a mound of earth 4 ft: base. 2 ft: high. W. of Cor.

Land. rolling & flat:

Soil. Sandy & Gravelly. 3rd rate.

No timber

No° 01' W. bet: secs 13 & 14.

Over nearly level bottom

14.60 Dry wash 40 lks wide. 5 ft: deep. course S.E.

18.00 Leave bottom ascend gradually

40.00 The old cor. bears N 77° 30' E. 47 lks. destroyed same. And set a sandstone boulder 14×8×6 ins. 9 ins. in the ground for 1/4 Sec. Cor. Marked 1/4 on W. face; dug pits 18×18×12 ins N & S. of Cor. 3 ft: dist: and raised a mound

Subdivision of T. 16 S. R. 10 E. Continued

Chains	
	of earth 3½ ft. base, 1½ ft. high, N. of Cor.
49.00	Top of ridge, bears E. & W. descend gradually.
80.00	The old Cor. bears N. 40° E. 130 lks. dist. destroyed same, and set a sandstone 18 x 10 x 8 ins. 12 ins. in the ground for Cor. to Secs. 11, 12, 13 & 14, marked 4 notches and ¼ notches on E. edges; dug pits 18 x 18 x 12 ins. in each Sec. 5½ ft. dist. and raised a mound of earth 4 ft. base, 2 ft. high, N. of Cor.
	Land rolling & flat.
	Soil, Sandy & Gravelly, 3rd rate.
	No timber.
	N. 89° 58' E. on a random line bet. Secs. 12 & 13.
40.00	Set temporary ¼ Sec. Cor.
79.84	Intersect E. bdy. of Pl. at cor. to Secs. 7, 12, 13 & 18.
	Thence S. 89° 58' W. on a true line bet. Secs. 12 & 13.
	Over nearly level land, ascending,
39.92	The old cor. bears N. 42° E. 60 lks. dist. destroyed same, and set a sandstone 16 x 10 x 6 ins. 11 ins. in the ground, for ¼ Sec. Cor. marked ¼ on N. face; dug pits 18 x 18 x 12 ins. E. & W. of cor. 3 ft. dist. and raised a mound of earth 3½ ft. base, 1½ ft. high N. of Cor.
41.50	Ascend N. E. slope of ridge,
58.40	Top of ridge about 60 ft. high, bears N. W. & S. E. descend to
79.84	The Cor. to Secs. 11, 12, 13 & 14.
	Land rolling.
	Soil, Sandy & Gravelly, 3rd rate.
	No timber.
	N. 0° 01' W. bet. Secs. 11 & 12.
	Ascend over rolling ground about 100 ft.
35.00	Top of ascent, bears E. & W. Descend

Subdivision of S. T. 16. S. R. 10. E. Continued.

Chains.	
40.00	The old Cor. bears N. 21° 10' E 80 lks. dist: destroyed & new, and set a cedar stake 3 ft: long. 3 ins. sq. with marked stone. 24 ins. in the ground. for 1/4 Sec. Cor. marked 1/4 S. on N. face; dug pits 18×18×12 ins. N. & W. of cor. 3 ft: dist: and raised a mound of earth 3 1/2 ft: base. 1 1/2 ft: high. N. of Cor.
43.60	Hollow. course E. ascend gradually
50.50	Top of ascent: bears E. & W. descend gradually S.
80.00	The old cor. bears N 17° 30' E. 0.3 lks dist: destroyed & new. And set a stone 18×18×8 ins. 12 ins. in the ground for cor. to Secs 1. 2. 11 & 12. marked 3 notches on E. & W. 1 notch on S. edges; dug pits 18×18×12 ins. in each Sec. 3 ft: dist: and raised a mound of earth 4 ft: base. 2 ft: high S. W. of Cor.
	Land rolling.
	Soil. Gravelly & Sandy & Flats.
	No timber.

	N 89° 58' E. on a random line dist: secs 1 & 12.
40.00	Set temporary 1/4 Sec. Cor.
79.68	Intersect E. bdy of Tp. 10 S. R. 10 E. W. of cor. to secs 1. 6. 7 & 12.
	Thence S. 89° 58' W. on a true line Set: Secs 1 & 12. Over mainly level bottom.
24.50	Ascend gradually.
39.84	The old cor. bears N 57° 30' E. 187. lks dist: destroyed & new & set a Cedar stake 3 ft: long. 3 ins. sq. with marked stone. 24 ins. in the ground for 1/4 Sec. Cor. marked 1/4 S. on N. face; dug pits 18×18×12 ins. E & W. of Cor. 3 ft: dist: and raised a mound of earth 3 1/2 ft: base. 1 1/2 ft: high. W. of Cor.
	Ascend about 50 ft: S.
79.68	The cor. to Secs 1. 2. 11 & 12.
	Land. rolling & flat.

Subdivision of T. 16 S. R. 10 E. Continued

	Chains	
		Soil, Sandy & Gravelly. 3rd rate. No timber.
		No: 01' W. bet. secs 1 & 2.
X		Over gradual descent over rolling ground
	40.00	The old cor. bears N 26.30' E. 46 lks. dist. destroyed same & set a sandstone 18x12x7 ins. 12 ins. in the ground for 1/4 sec. Cor. marked 1/4 on W. face; dug pits 18x18x12 ins. N & S. of Cor. 3 ft. dist. and raised a mound of earth 3½ ft. base. 1½ ft. high. W. of Cor.
	52.30	Dry wash 25 lks wide. 6 ft. deep. course E. Ascend gradually.
	78.10	The closing Cor. to secs 1 & 2. as described in field notes of former survey. Land, rolling. Soil, sandy & Gravelly. 3rd rate. No timber.
		June 17th 1847
X		From the Cor. to secs 14.15.22 & 23 as described in field notes of former survey I recv. No: 01' W. bet. secs 14 & 15. Over rolling ground.
	40.00	The 1/4 Sec. Cor. as described in field notes of former survey. dug pits 18x18x12 ins. N. & S. of stone 3 ft. dist. and raised a mound of earth 3½ ft. base. 1½ ft. high. W. of Cor.
	75.50	Dry wash 20 lks wide 3 ft. deep. course E
	80.00	The old cor. bears South. 14 lks dist. destroyed same and set a sandstone 18x12x9 ins. 12 ins. in the ground for Cor. to secs 10. 11. 14 & 15. marked 4 notches on S. & 2 notches on E. edges; dug pits 18x18x12 ins. in each sec. 5½ ft. dist. and raised a mound of earth 4 ft. base. 2 ft. high. W. of Cor. Land, rolling. Soil, Sandy & Gravelly, 3rd rate. No timber.

Subdivision of S.16.S.R.10 E. Continued.

Chains	
	East-on a random line bet. secs 11 & 14.
40.00	The 1/4 Sec. Cor. on line.
80.10	Intersect N. & S. line 3 lks W. of Cor. to secs 11. 12. 13 & 14.
	Thence I run.
	N 89° 54' W. on a true line bet- secs 11 & 14.
	Over rolling ground.
22.00	Ascend
25.50	Top of ridge about-200 ft. above Sec. Cor. bears N.W. & S.E. descend.
39.50	Foot of ridge. enter bottom, descend gradually
40.05	Destroyed all trace of old cor. and set a sandstone 18×12×8 ins. 12 ins. in the ground for 1/4 Sec. Cor. marked 1/4 on N. face; dug pits 18×16×12 ins. E & W. of cor. 3 ft. dist. and raised a mound of earth 3 ft. base, 1 ft. high. N. of Cor.
80.10	The cor. to secs 10. 11. 14 & 15.
	Land. rolling & broken.
	Soil. Sandy & Gravelly. 2nd rate.
	No timber.
	Mountainous land. 40. chains

	N 0° 01' W. bet. secs 10 & 11.
	Over bottom Land.
15.00	Leave bottom. ascend.
40.00	The old cor. bears S 6-8° W. 5-4 lks. dist. destroyed same. and set a sandstone 14×10×6 ins. 9 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 ft. high. W. of Cor. Pits inconvenient.
43.50	Top of ridge. about-200 ft. above Sec. Cor. bears N. & S. & E. & W. descend
48.50	Head of gulch. Course E. N. ascend.
53.25	Top of ridge. bears E. & W. descend about-200 ft.
56.00	Foot of ridge. descend gradually to
80.00	The old Cor. bears S 85° 55' W. 70 lks. dist. destroyed. same and set a sandstone 16×12×8 ins. 11 ins. in the ground for Cor.

Subdivision of T.16. S.R.10.E. Continued

Chains	
	to secs 2.3.10 & 11, marked 5 notches on S. and 2 notches on E. edges; dug pits 18x18x12 ins. in each sec. 5½ ft. dist. and raised a mound of earth 4 ft. base. 2 ft. high. W. of Cor.
	Land, broken.
	Soil. Rocky, 4th rate.
	No timber.
	Mountainous land 36 chs.
	S 89°.59' E. on a random line bet. secs 2 & 11.
40.00	Set temporary ¼ Sec. Cor.
80.02	Intersect N & S. line at cor. to secs 11 2. 11 & 12.
	Thence I run
	N 89°.59' W. on a true line bet. secs 2 & 11.
	Over rolling ground.
40.01	The old cor. bears N. 12 lks. dist. destroyed same. And set a cedar post 3 ft. long. 3 ins. sq. 24 ins. in the ground & marked stone. for ¼ Sec. Cor. marked ¼ S. on W. face; dug pits 18x18x12 ins. E & W. of Cor. 3 ft. dist. and raised a mound of earth 3½ ft. base. 1½ ft. high. W. of Cor.
80.02	The Cor. to Secs 2.3.10 & 11.
	Land, rolling.
	Soil. Gravelly & Rocky. 3rd rate.
	No timber
	N 0°.01' W. bet. secs 2 & 3.
	Descend over nearly level land.
30.50	Dry wash. 15 lks wide. 3 ft. deep. Course N.E. Ascend gradually
40.00	The old cor. bears West 31 lks dist. destroyed same and set an aspen post 3 ft. long. 3 ins. sq. 24 ins. in the ground and marked stone for ¼ Sec. Cor. marked ¼ S. on W. face; dug pits 18x18x12 ins. N & S. of post 3 ft. dist. and raised a mound of earth 3½ ft. base. 1½ ft. high. W. of Cor.
77.78	The Closing Cor. to Secs 2 & 3. as

Subdivision of T. 16 S. R. 10 E. Continued.

Chains.	
	described in field notes of former survey. Land. rolling. Soil. Sandy & Gravelly. 3rd Rate. No timber. June 18th 1897.
	From the cor. to Secs 17. 18. 19 & 20. which I find conforms to field notes of former survey I run No. 03' W. bet: Secs 17 & 18. Ascend about 10 ft: along E. side of knoll.
2.25	Top of ascent: descend
10.00	Gully. about 40 ft: deep. course S. E. ascend gradually
19.00	Top of low ridge. descend.
28.80	Enter flat: Road. bears NW & SE.
34.05	Dry wash 10 lks wide 3 ft: deep. course S. E.
40.00	The old cor. bears West 20 lks dist: destroyed Corner and set a sandstone 16×12×8 ins. 11 ins. in the ground for 1/4 Sec. Cor. marked 1/4 on W. face; dug pits 18×18×12 ins. N & S. of stone 3 ft: dist: and raised a mound of earth 3½ ft: base. 1½ ft: high. W. of Cor.
80.00	The old cor. bears West 60 lks dist: destroyed Corner. and set a sandstone 16×8×6 ins. 11 ins. in the ground for Cor. to Secs 17. 18.: marked 4 notches on S. & 5 notches on E. edges: dug pits 18×18×12 ins. in each Sec. 5½ ft: dist: and raised a mound of earth 4 ft: base. 2 ft: high. W. of Cor. Land. broken & flat. Soil. Sandy & Gravelly. 3rd Rate. No timber.
	S 89° 57' E. on a random line bet: Secs 8 & 17
40.00	Set temporary 1/4 Sec. Cor.
79.98	Intersect N & S. line 8 lks S. of cor. to Secs 8. 9. 16. & 17. Chain I run West on a true line bet: Secs 8 & 17 Gradual descent.

Subdivision of T. 16. S. R. 10 E. Continued.

39.97	The old cor. bears West 30 lks. dist. destroyed same and set an aspen post 3 ft. long. 3 ins. Sq. 24 ins. in the ground and marked stone. for 1/4 Sec. Cor. marked 1/4 S. on N. face, dug pits 18x18x12 ins. E & W. of post 3 ft. dist. and raised a mound of earth 3 1/2 ft. base, 1 1/2 ft. high N. of cor.
40.80	Road. bears NW & S.E.
72.50	Enter flat.
79.30	Dry wash 25 lks wide 3 ft. deep. course S.E.
79.98	The cor. to Secs 7.8.17 & 18.
	Land. rolling.
	Soil. Sandy & Gravelly. 3rd rate.
	No timber
	To 0°03' W. bet. Secs 7 & 8.
X 0.20	Over flat Dry wash 25 lks wide 4 ft. deep. course S.E. ascend
30.00	Road. bears NW & S.E.
40.00	The old cor. bears West 35 lks dist. destroyed same. And Set a limestone 16x12x8 ins. 11 ins. in the ground for 1/4 Sec. Cor. marked 1/4 on W. face; dug pits 18x18x12 ins. N & S. of stone 3 ft. dist. and raised a mound of earth 3 1/2 ft. base, 1 1/2 ft. high. W. of Cor.
68.00	Top of ridge 100 ft. high. falls West. descend
80.00	The Cor. to Secs 5.6.7 & 8. as marked and described in former notes.
	Land. rolling.
	Soil. Sandy & Gravelly. 3rd rate.
	No timber.
	June 19th 1897.

I retraced all the lines in this township & dug pits & rebuilt mounds at every corner.

John T. Breckon
U.S. Dep. Surveyor

Final Oaths of Deputy Surveyor and his Assistants.

LIST OF NAMES.

A list of the names of the individuals employed by John T. Brechon, 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 Subdivisions of T. 13 S. R. 8 E. T. 15 S. R. 11 E. & T. 16 S. R. 10 & 11 E. showing the respective capacities in which they acted:

Harry H. Atkinson, *Chainman.*
E. R. Thomson, *Chainman.*
A. E. Laraway, *Moundman.*
, *Moundman.*
A. E. Laraway, *Axman.*
, *Axman.*
, *Flagman.*

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted John T. Brechon, United States Deputy Surveyor, in surveying all those parts or portions of the subdivisions of T. 13 S. R. 8 E. T. 15 S. R. 11 E. & T. 16 S. R. 10 & 11 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.

[illegible], *Chainman.*
E. R. Thomson, *Chainman.*
A. E. Laraway, *Axeman* *Moundman.*
, *Moundman.*
, *Axman.*
, *Axman.*
, *Flagman.*

Subscribed and sworn to before me this 22" day of June, 1897.

SEAL

M. E. McEnany
Notary Public

6—161

[illegible]

Final Oath of United States Deputy Surveyor.

I, , United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract entered into with the United States Surveyor General for , bearing date of the day of , 18 , 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 portions of [illegible]

and [illegible], which are represented in the foregoing [illegible] [illegible] [illegible] [illegible]

United States Deputy Surveyor.

Subscribed and sworn [illegible]

day of , 18 .

[illegible]

APPROVAL.

Office of the United States Surveyor General

[illegible] Cal. [illegible], 18

[illegible] the field notes of [illegible] of the [illegible]

executed by [illegible] under his contract No. 199, dated [illegible], 18 , having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

[illegible]
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-244

J.B.

FIELD NOTES

OF THE SURVEY OF THE

East, South and West Boundaries

of

Township 3 South, Range 3 West.

Of the Salt Lake Base and Meridian,

In the State of Utah.

AS SURVEYED BY

Andrew J. Stewart Jr., United States Deputy Surveyor,

under his Contract No. 203, dated December 27th, 1895.

Survey commenced July 13th, 1896.

Survey completed July 18th, 1896.

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West Bdry — high	2	[illegible] — 97	
" " low		15 — 15	
" " [illegible]		2 — 60	
South Bdry — high		6 — 18 — 00	
East Bdry — high		3 — 01 — 30	12 21 38
			15 60
			12 06 25
Contingent			
East Bdry —		3 — 02 — 25	

NAMES AND DUTIES OF ASSISTANTS.

Scott P. Stewart, Chainman.

John R. Stewart, Chainman.

Burt Bushard, Chainman.

John U. Bushy, Chainman.

Thomas Barnard Moundsman + Axeman

Andy J. Stewart, Moundsman + Axeman.

BOOK A-244

INDEX DIAGRAM.

Township 3 South, *Range* 3 West

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31	32	33	34	35	36

Meanders Page.....

PRELIMINARY OATHS OF ASSISTANTS.

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

_____

_____, *Chai*

_____, *Chai*

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

_____

_____

SEAL

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

_____

_____, *Moun*

_____, *Moun*

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

_____

_____

SEAL

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

_____

_____, *A*

_____, *A*

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

_____

_____

SEAL

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

_____, *Fl*

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

_____

_____

SEAL

West boundary of T. 3 S., R. 3 W. (Northern portion).

Survey commenced July 1st, 1896 and executed with a W. and L. E. Gurley light mountain transit, No—, with the R. M. Jones patent latitude arc, the horizontal limb having two double verniers placed opposite to each other and reading to 30" of arc.

The instrument was examined, tested on the true Meridian at Salt Lake City, found correct, and was approved by the surveyor general for Utah April 3, 1896.

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

At the cor. of secs. 1, 6, 7 and 12 on W. bdy. of T. 3 S., R. 3 W.; latitude 40° 35' N., Longitude 112° 14' W.; I set off 40° 35' N. on the lat. arc; 21° 50' N. on the decl. arc; and, at 4h 30m 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. south of the cor.

At 0h 5m a.m. by my watch which is 2m fast of l. m. t., I observe Polaris at eastern elongation, in accordance with Manual of Instructions, and mark

Chains	
	a point in the line thus determined, on a plug driven in the ground, 5.00 chs north of my station. July 12, 1896.
	July 13: At 6h 30m a. m., l. m. t., I lay off the azimuth of Polaris, 1° 3' 8" to the West and mark the True Meridian thus by cutting a small groove in the stone set July 12, on which the true meridian falls 0.3 lns. east of the mark determined by the solar. At 7h 0m a. m., l. m. t., I set off 40° 35' on the lat. arc; 21° 44' N., on the 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 my station; this mark falls 0.25 lns east of the true meridian established by the Polaris observation. The solar apparatus by p.m. and a.m. observations, defines positions for true meridians, respectively about 0'19" west and 0'17" east of the meridian established by the Polaris observations; therefore, I conclude that the adjustments of the instrument are satisfactory. The magnetic bearing of the true meridian, at 7h 0m a.m., is N. 16° 36° W.; the angle thus determined, reduced by the table, page 100, gives the mean mag. decl 16° 36' E.

West boundary of T. 3 S., R. 3 W. - Northern portion -

Chains.	
	Note - The foot of mountain cor. which is 36.00 chs. N. of cor. to secs. 1, 6, 7, and 12 cannot be found.
	July 13: At 7h 31m a. m. l. m. l., I set off 40° 35' on the lat. arc, 21° 44' N. on the ded. arc; and determine a true meridian with the polar, at the cor. of secs. 1, 6, 7, and 12, which is the remains of a decayed stake in old mound, identified to me as the one set by Dep. C. S. Craig, S. O. 185 6. by James Murray and Alexander Murray
	Reestablish said cor. as follows:
	Set a cobblestone, 16 x 10 x 8 ins., 11 ins. in the ground, for cor. of secs. 1; 6. 7. and 12. marked with 1 notch on N., and 6 notches on E. edge; and raise a mound of stone, 2 ft. base, 1/2 ft. high, W. of cor. Pits impracticable.
	North on a random line bet. secs. 1 and 6.
36.00	I find no trace of foot of mountain cor. after a thorough, and diligent search.
40.00	Set temp. 1/4 sec. cor.
87.60	Intersect South bdry. of T. 2 S. R. 3 W. 2.60 chs E. of the S.W. cor. of T. 2 S. R. 3 W.
	Set a sandstone, 17 x 9 x 7 ins., 12 ins. in the ground, for closing cor. of Tps. 3 S., Rs. 3 & 4 W., marked C. C. and 6 grooves on S., and 6 grooves on E. & W. faces; and raise a mound of stone, 3 ft. base, 3 ft. high, S. of cor. Pits impracticable.
	There I run
	South on a true line bet. secs 1 and 6; descend.
.75	Bottom of hollow, course S. 5° 3° W.; ascend.
29.70	Top of ridge, 300 ft. above cañon, bears S. 80° W. and N. 80° E.; descend.
41.60	Set a quartzite stone, 17 x 10 x 8 ins., 14 ins. in the ground for 1/4 sec. cor. marked 1/4 on W. face; and raise a mound of stone 3 ft. base, 2 ft. high, W. of cor.
42.10	Bottom of Flood Cañon, 400 ft. below ridge,

West boundary of T. 3 S. R. 2 W. - Northern portion

Chains	
	course S. 85° W.
46.25	Spur of ridge, 80 ft. above cation, bears S. 80° W.
55.50	Bottom of steep descent.
66.50	Enter wheat field, bears E. and W.
72.20	Leave wheat field, bears E. and W.
73.00	Wash, course S. 80° W.
76.00	James Murray's chicken coop on line.
76.00	James Murray's log stable.
77.00	James Murrays house bears W. 2.50 chs. dist.
81.60	The cor. of sec. 1. 6. 7. and 12.
	Land, mountainous and level.
	Soil, loam and gravelly, and rocky; 1st. 2nd and 3rd rate.
66.50 / 15.10	Undergro. wth. oak brush.
	Good grass for grazing.
	No timber.
	Mountainous lands or lands covered with dense undergrowth, 66.50 chs.

July 13, 1896

South boundary of T. 3 S. R. 3 W.

Chains	
	July 14, 1896: At 7h 3m a. m. l. m. t., I set off 40° 30' on the lat. arc, 21° 35' N. on the decl. arc, and determine a true meridian with the polar at the cor. of Tps. 3 and 4 S., Rs. 2 and 3 W.
	Begin at cor. of Tps. 3 and 4 S., Rs. 2 and 3 W., which is a sandstone, 6 x 6 x 6 ins. above ground, marked and witnessed as described by the surveyor general.
	Thence I run
	West on a true line bet. secs. 1 and 36.
	Descend along N. slope of ridge through oak brush.
13.00	Bottom of hollow, about 40 ft. below cor., course N. 80° E.; ascend N. slope of hollow
25.00	Spur of ridge, slopes S. 10° E.
26.50	Swale, course S. 10° E.; ascend mountain.
31.50	Ridge, bears S. 10° E. and N. 10° W.
32.50	A miner's cabin, bears S. about 5.00 chs. dist.
34.40	Swale, course S. 20° E.
	A spring of good water 5.00 chs. down the swale; ascend mountain.
40.00	Set a quartzite stone, 18 x 12 x 8 ins., 11 ins. in the ground, for 1/4 sec. cor., marked 1/4 on N. face; and raise a mound of stone, 2 1/2 ft. base, 2 ft. high. N. of cor. Pits impracticable.
43.00	Old shaft of mine, 20 lks S. of line.
44.50	Spur of ridge, slopes S. 20° E.
50.00	Swale, course S. 20° E.
55.00	Spur, bears S. 30° E. and N. 30° W.
61.00	Swale, course S. 30° E.
68.40	Dug way and wagon road on mountain, about 400 ft. above Tp. cor., leading from the Brooklyn mine to top of mountain.
70.25	Top of divide mountain bet. Bear Gulch and Butterfield canon, 800 ft. above Tp. cor., bears N. and S.; descend into Bear Gulch (Branch of Bingham Canon).
80.00	Set a quartzite stone, 24 x 10 x 7 ins., 15 ins. in the ground, for cor. of secs. 1, 2, 35, and 36.

South boundary of T. 3 S. R. 2 W. — Cont.

Chains	
	marked with 1 notch on E., and 5 notches on W. edges; and raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor. Pits impracticable. This cor. is 200 ft. below top of mountain on W. slope.
	Land mountainous.
	Soil, loam and gravelly; 1st and 3rd rate.
	Underbrush, oak.
	Good grass for grazing.
	No timber.
	Mountainous land, or land covered with dense undergrowth, 80.00 chs.
	West, on a true line bet. secs. 2 and 35.
	Descend through oak and sage brush.
2.20	Road in Bear Gulch, 60 ft. below cor. which leads from top of mountain to Brigham.
2.70	Bottom of Bear Gulch, course N. A placer gold washer bears N. 100 lks. dist.; ascend.
13.50	Top of ridge, 200 ft. above gulch, bears N. 50° E., and S. 50° W. and terminates in cañon N. E.
16.50	Wagon road, bears N. and S.
23.10	Bottom of hollow, 80 ft. below ridge, course N. 20° E.; ascend.
26.75	Top of ridge, 30 ft. above hollow, bears N. 30° E., and S. 30° W.; descend.
36.50	Hollow, 100 ft. below ridge, course N. 10° E.; ascend.
40.00	Set brown sandstone, 12 x 10 x 6 ins., 8 ins in the ground, for 1/4 sec. cor., marked with 1/4 on N. face; from which
	An aspen, 5 ins. diam., bears N. 45° E., 10 lks. dist., marked 1/4 S. B. T.
	An aspen, 6 ins. diam., bears S. 10° W., 40 lks. dist.; marked 1/4 S. B. T.
41.10	Top of ridge, 60 ft. above hollow, slopes

South boundary of T. 3 S. R. 3 W. — Continued.

Chains	
	and bears N. 15° E.; descend.
48.50	Spring branch, 80 ft. below ridge, in bottom of canon, 5 lks. wide; runs south; course N. 14° E.; ascend.
49.75	Road in canon, bears N. 20° E. and S. 20° W.
55.00	Top of ridge, 100 ft. above canon, bears N. 25° E., and S. 25° W.; descend.
60.80	Bottom of hollow, 80 ft. below ridge, course N. 25° E.; ascend.
62.00	Top of spur, 30 ft. above hollow, bears and slopes N. 20° E.; descend into canon.
71.00	Road in bottom of Highland Canon, 100 ft. below ridge, bears N. E. and S. W.
71.50	Enclosed tramway, 8 ft. high, 6 ft wide, extending from the south Ajax mine to mill, bears N. 60° E. and S. 60° W.; ascend.
	From this point there are houses, cabins, mines, and mills, scattered along the bottom of the canon for a distance of 10.00 chs. below and 18.00 chs. above. This settlement is called Highland.
80.00	Set hard sandstone, 20 x 10 x 6 ins., 15 ins. in the ground, for cor. of secs. 2, 3, 34 and 35, marked with 2 notches on E., and 4 notches on W. edges; and pile of stone, 4 ft. base, 2½ ft. high, W. of cor. Pits impracticable.
	This cor. is 15.8 ft. above canon
	From this cor. the U. S. mineral monument No. 1, bears East 8.00 chs. dist. and is a pine post, 4 ins. sq. 4 ft. above ground, in mound of stone, marked U. S. M. M. No. 1.
	Indications of mineral along the line.
	Land, mountainous.
	Soil, loam and gravelly; 2nd and 3rd rate.
	Good grass for grazing.
	Some scattering pine and aspen trees.
	Undergrowth, oak and wild currant.
	Mountainous land or land covered with dense undergrowth 20.00 chs.

South boundary of T. 3 S. R. 3 W. - C

Chains	
	West, on a true line bet. secs. 3 and 34.
	Ascend mountain through brush.
17.30	Divide ridge bet. Highland and Carr Fork Cañons, 300 ft. above sec. cor., bears N. 20° E. and S. 20° W.; descend mountain through oak and current brush.
29.70	Bottom of hollow, 300 ft. below ridge, co N. 10° W.; ascend.
31.50	Spur of ridge, 30 ft. above hollow, slopes towards N.; descend.
46.00	Bottom of Carr Fork Cañon, 500 ft. below ridge, course N. 15° E. The cabin of the Greeley silver mine bears S. 150 chs. dist. U.S.M.M. No. 5 bears S. 35° 40' W., 19.25 chs dist. Set a quartzite stone, 16 x 10 x 5 ins., 11 ins. in the ground, for 1/4 sec. cor., marked 1/4 on N. face; and raise a mound of stone, 3 ft. base, 3 ft. high, N. of cor.
	Pits impracticable; ascend.
41.50	Road in Carr Fork Cañon, bears N. 15° 10' E. and S. 15° W.
52.50	Enter grove of aspen saplings.
56.00	Top of ridge, 300 ft. above cañon, bears N. 30° E. and S. 30° W.; descend.
	Leave aspen grove.
61.50	Hollow, 200 ft. below ridge, course N. 45° E.; ascend.
70.50	Ridge, slopes towards N. 60° E.; descend.
79.00	Hollow; course N.; ascend.
80.00	Set a quartzite stone, 18 x 8 x 4 ins., 13 ins. in the ground, for cor. of secs. 3, 4, 33, and 34, marked with 3 notches on E. and 3 notches on W. edges; and raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor. Pits impracticable.

Land, mountainous.
Soil, loam and gravelly; 1st and 3rd rate.
Good grass for grazing.
Timber, aspen.
Undergrowth, oak and lark. July 14, 1876.
Mountainous & heavily timbered land 80.00 chs.

South boundary of T. 3 S., R. 5 W. — Continued.

Chains	
	July 13: At 8h 31m a.m., l. mn. t., I set off 45° 30' on the lat. arc; 21° 24' N., on the decl. arc; and determine a true meridian with the solar, at the cor. of secs. 3, 4, 33, and 34.
	Thence I run
	West, on a true line bet. secs. 4 and 33.
	Ascend over mountain through brush.
1.00	Top of ridge, 10 ft. above cor., bears N. and S.
3.00	Bottom of ravine, 30 ft. below ridge, course N.; ascend.
5.00	Top of ridge, 40 ft. above ravine, slopes N. 20° E.; descend.
9.50	Bottom of branch of Carr Fork Canon, 100 ft. below ridge, course N. 20° E.
33.00	Top of divide ridge bet. branch of Carr Fork Canon, and left hand fork of Middle Canon, also divide bet. Salt Lake and Tooele Valleys, 600 ft. above Carr Fork, bears N. 45° W.; and S. 45° E.; descend.
40.00	Set a quartzite stone, 16 x 8 x 6 ins., 12 ins. in the ground, for 1/4 sec. cor., marked 1/4 on N. face; and raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor. Pits impracticable.
	Descend mountain 150 ft. below top of ridge on N. side of branch of Middle Canon slopes E.
80.00	To point 600 ft. below 1/4 sec. cor.
	Set a conglomerate stone, 16 x 10 x 6 ins., 12 ins. in the ground, for cor. of secs. 4, 5, 32, and 33, marked with 4 notches on E. and 2 notches on W. edges; and raise a mound of stone, 2½ ft. base, 2 ft. high W. of cor. Pits impracticable.
	Land, mountainous.
	Soil, loam and gravelly; 1st and 3rd rate.
	Good grass for grazing.
	No timber.
	Mountainous land, or land covered with dense undergrowth 80.00 chs.

Chains	
	West, bet. secs. 5 and 32; descend S. slope of mountainous ridge on N. side of branch of left hand fork of Middle Canyon.
16.25	Bottom of swale, 200 ft. below cor., course S.; ascend.
20.50	Top of ridge, 60 ft. above swale, slopes S.; descend.
25.00	Swale, 80 ft. below ridge, course S. 50° E.
27.50	Top of ridge, 20 ft. above swale slopes S.
40.00	Set a limestone, 18 x 10 x 4 ins., 13 ins. in the ground, for 1/4 sec. cor., marked 1/4 on N. face; and raise a mound of stone, 2½ ft. base, 2 ft. high, N. of cor. Pits impracticable; descend.
73.00	Bottom of hollow, 800 ft. below ridge, course S. 30° E.; ascend abruptly.
80.00	Point 300 ft. above hollow.
	Set a sandstone, 20 x 8 x 4 ins., 15 ins. in the ground for cor. of secs. 5, 6, 31, and 32, marked with 5 notches on E.; and 1 notch on W. edges; and raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor. Pits impracticable. This cor. is on face of mountain which slopes E.
	Land, mountainous.
	Soil, loam and gravelly; 2nd and 3rd rate.
	Good grass for grazing.
	Undergrowth, oak, service-berry and choke-cherry.
	No timber.
	Mountainous land, or land covered with dense undergrowth, 80.00 chs.

Note.—Knowing that the N. E. cor. of this Tp. is 80.4 chs. W. of the S. E. cor., I add the 80.4 chs. to 91.40 chs. (the length of the W. mile of the N. bdy.) and 62 lks. (convergency) and make this mile, 97.06 chs. long.

	West, bet. secs. 6 and 31; ascend mountain, abruptly.
5.00	Top of ridge dividing two branches of Tooele Canyon, bears N. 35° E., and S. 40° W.; descend.
7.00	Enter oak and maple brush and maple timber, bears N. and S.

South boundary of T. 3 S. R. 3 W. - Continued.

Chains	
20.00	Bottom of hollow, bears S. 20° W.
	Leave maple timber; ascend.
26.00	Top of ridge, bears S. 50° W.; descend.
30.50	Bottom of hollow, course S. 5° E.
35.00	Top of ridge, slopes S. 10° W.
40.00	Set a sandstone 18 x 10 x 5 ins., 12 ins. in the ground, for ¼ sec. cor., marked ¼ on N. face; and raise a mound of stone, 4 ft. base, 3 ft. high N. of cor. Pits impracticable; descend.
43.50	Bottom of hollow, course S. 10° W.
48.50	Top of rocky ridge, slopes S. 14° W.
63.50	Bottom of hollow, course S. 15° W.
70.00	Top of ridge, bears N. and S. slopes S.; descend.
86.00	Bottom of hollow, 500 ft. below ridge, bears S. 39° W.; ascend.
92.00	Ridge 40 ft. above hollow, bears N. 20° E.
97.06	Set temp. cor. of Tps. 3 and 4 S., Rs 3 and 4 W.
	Note. - The permanent cor. was set at
98.00	for description of same see notes of W. bdy.
	Land, mountainous
	Soil, loam and gravelly; 2nd and 3rd rate.
	Good grass for grazing.
	Timber, maple.
	Undergrowth, oak, maple, and service-berry.
	Mountainous or heavily timbered land 98.00 chs.
	July 4, 1896.
	July 15: At the temp. cor. of Tps. 3 and 4 S., Rs 3 and 4 W., established this day, lat. 40° 30' N. long. 112° 14' W. At 11h 57½m p.m. l.m.t., I observe Polaris at eastern elongation in accordance with instructions in the manual, and mark the line thus determined by a tack driven in a wooden plug set in the ground 200 chs. north of my station.
	July 16: At 7h 0 a.m. I lay off the azimuth of Polaris, 138° to the west, and mark the True Meridian thus determined by a cross on a stone, firmly set in the ground, west of the point established last night.
	The mag. bearing of the true meridian is N. 16° 36'

West boundary of T. 3 S., R. 3 W. - (Sothern portion).

Chains	W.; which reduced by the table, page 100 of the manual, gives the mean mag. decl. 16° 30' E.
	July 16: At 6 h 39 m a.m. I. m. t., I set off 40° 30' on the lat. arc; 21° 16' N. on the decl. arc.; and determine a true meridian with the solar, at the temp. cor. of Tps. 3 and 4 S., Rs 3 and 4 W.
	Thence I run
	North, on a random line, along W. bdy. of T. 3 S., R. 3 W., setting temp. 1/4 sec. and sec. cors. at intervals of 40.00 chs.; and at 160.48 chs., intersect cor. of secs. 19, 24, 25, and 30, 0.94 chs. E. of the cor.; which is a quartzite stone, 7 x 6 x 3 ins., above ground, marked and witnessed as described by the surveyor
	Note. - The special instructions furnished by the surveyor general, describe a witness 31.50 chs. S. of 1/4 sec. cor bet. secs 19 and 24, as the cor. to close on from the S. bdy., but no trace of said cor. can be found, therefore I close as above stated.
	I abandon the random line, destroying all cors. on same.
	Thence I run
	South, on a true line bet. secs. 25 and 30; ascend.
3.50	Top of ridge, 25 ft. above the cor., bears N. 30° W. and S. 30° E.; 3.00 chs. W. to spring, good water. Enter oak brush; descend into Spring Cañon
21.50	Wash in Spring Cañon, 100 ft. below ridge, course N. 28° W.; ascend.
22.00	Drag road in Spring Cañon, bears N. 28° W. and S. 28° E.
22.75	Commence abrupt ascent.
40.48	Set a quartzite stone, 14 x 12 x 3 ins., 9 ins. in the ground, for 1/4 sec. cor., marked 1/4 on W. face, from which,
	A pine, 7 ins. diam., bears S. 85° E. 75 lks. dist., marked 1/4 S., B. T.
	A maple, 3 ins diam., bears N. 50° W. 14 lks. dist.; marked 1/4 S., B. T.
44.50	Top of ridge, 600 ft. above cañon, bears N. 35° W.

West bdy. of T. 3 S., R. 3 W. - (Southern Portion) - Continued.

Chains	
	and S. 35° E.; descend.
58.50	Bottom of hollow 100 ft. below ridge course N. 30° W.; ascend.
68.50	Top of ridge 250 ft. above hollow, slopes towards N.W.
70.00	Swale 20 ft. below ridge, bears N. W.; ascend.
	Enter pine and aspen timber
80.48	Set a hard sandstone, 14 x 10 x 6 ins., 9 ins. in the ground, for cor. of secs. 25, 30, 31 and 36, marked with 5 notches on N. and 1 notch on S. edges; from which
	A pine, 6 ins. diam. bears N. 22° 30' E. 11 lks dist.; marked T. 3 S., R 3 W., S. 30 B.T.
	An oak, 5 ins. diam., bears S. 4° E., 15 lks dist., marked T. 3 S., R. 3 W., S. 31, B.T.
	A mahogany 5 ins., diam. bears S. 85° W. 7 lks. dist.; marked T. 3 S. R 4 W., S. 36, B.T.
	A mahogany, 7 ins. diam., bears N. 25° W. 7 lks. dist., marked T. 3 S., R. 4 W. S 25, B.T.
	This cor. is 150 ft above swale on W. slope of mountain.
	Land, mountainous.
	Soil, gravelly and loam; 3rd and 2nd rate.
	Good grade for grazing.
	Timber, pine and aspen; undergrowth oak.
	Mountainous or heavily timbered land 80.48 chs.

	South, bet. secs. 31 and 36.
	Ascend through aspen timber.
7.50	To rock slide of boulders 0.75 chs. across
9.50	Rock slide 3.50 chs. across; leave aspen timber.
13.00	Enter pine timber.
21.00	Top of divide ridge bet. valley and Middle Cañon, 1600 ft. above valley, bears S. 78° W. and N. 78° E.
	Leave pine timber.
	Descend, mountain, through scrub mahogany and scrub pine trees; slope 28°.
40.00	Set a sandstone, 16 x 6 x 6 ins.; 12 ins. in

West boundary of T. 3 S., R. 3 W. (Southern portion)

Chains the ground, for ¼ sec. cor.; marked ¼ on W. face; and raise a mound of stone, 2 ft. base 2 ft. high W. of cor. Pits

This cor. is about 600 ft. below top of ridge on S. slope of mountain.

60.50 ottom of swale, 20 ft. deep, course S. 30° W.

64.50 To point from which a spring of clear cold water, 2 ft. in diam., 4 ins. deep, bears W. 1.00 ch. dist.

71.25 Spur of ridge, bears S. 40° W. and N. 40° E.

80.00 Intersect S. bdy. 0.94 chs. W. of temp cor. of Tps. 3 and 4 S., Ro. 3 and 4 W.; therefore I destroy said cor.

Set a quartzite stone, 24 X 8 X 7 ins., 18 ins. in the ground for cor. of Tps. 3 and 4 S. Ro. 3 and 4 W., marked with 3 S., on N. E.
3 W., on S. E.;
4 S. on S. W.;
4 W. on N. W. faces; and with 6 notches on each edge; from which

A pine, 6 ins. diam., bears S. 70° E. (W.?) 70 lks. dist.; marked T. 4 S., R. 3 W., S. 6 B. T.

No other trees within limits.

I raise a mound of stone, 4 ft. base, 2½ ft. high, W. of cor. Pits impracticable.

Land, mountainous.

Soil, loam and gravelly; 2nd and 3rd

Good grass for grazing.

Timber, pine and aspen,

Undergrowth, oak and mahogany.

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

July 16, 1896.

Note.- In order to find the cor. of secs 19, 24, 25, and 30, on the E. bdy. of Tp. 3 S., R. 3 W., I find it necessary to run a retracement line S. from the cor. Tps.

East boundary of T. 2 S., R. 3 W. Continued.

Chains	
	2 and 3 S. of Tps. 2 and 3 W.
	July 17: At 7h 28m a. m. l. m. t. I set off 40° 56' on the lat. arc. 21° 05' N. on the decl. arc; and determine a true meridian with the solar, at the cor. of Tps. 2 and 3 S., Rs. 2 and 3 W.
	Thence I run
	South on a retracement line along the E. bdy. of Tps. 3 S., R. 3 W. bet. secs. 1 and 6
40.00	Find no trace of ¼ sec. cor.
80.15	To point 5.90 chs. W. of cor. of secs. 1, 6, 7, and 12, which is a grey sandstone, 10 x 9 x 6 ins., above ground, marked and witnessed as described by the surveyor general, therefore the course of the line bet. cors. is S. 4° 13' E. and length of line 80.56 chs.
	South, on a retracement line bet. secs. 7 and 12.
40.02	To ¼ sec. cor., which is a grey sandstone, 13 x 9 x 6 ins. . . above ground, marked and witnessed as described by the surveyor general.
79.95	To cor. of secs. 7, 12, 13 and 18, which is a grey sandstone, 13 x 8 x 8 ins., above ground, marked and witnessed as described by the surveyor general.
	South, on a retracement line bet. secs. 13 and 18.
40.15	I find a quartzite ledge 40 ft. high, marked ¼ on S. E. face; 26 lks. West of my station. Said ledge has a hole through it 3 ft. in diam.
82.15	The cor. of secs. 13, 18, 19, and 24, which is a limestone, 12 x 12 x 5 ins. above ground, marked and witnessed as described by the surveyor general.

July 17: At 12h 1m p. m. l. m. t. I set off 21° 02' N. on the decl. arc; and

East boundary of T. 3 S., R. 3 W.—Continued

Chains observe the sun on the meridian and obtain on the lat. arc the reading 40°33' which is the proper lat. nearly at the cor. of secs. 13, 18, 19, and 24, which is a limestone, 12 X 12 X 5 ins., above ground, and marked and witnessed as described by the surveyor general.
I raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.
Thence I run
South, on a random line along the E. bdy. of Tp. 3 S., R. 3 W., setting temp. ¼ sec. and sec. cors. at intervals of 40.00 chs.; and at 241.30 chs., intersect the S. bdy. of T. 3 S., R. 2 W. 0.86 chs. E. of cor. of Tps. 3 and 4 S., Rs. 2 and 3 W., which is a sandstone, 6 X 6 X 6 ins., above ground, and marked and witnessed as described by the surveyor general.
The falling answers to a correction of 0°12' or 28 lks W. per mile, counting from the cor. of secs. 13, 18, 19 and 24.
At the cor. of Tps. 3 and 4 S., Rs. 2 and 3 W., I observe Polaris at eastern elongation, July 17, 1896: At 11h 45m p. m. l. m. t., by my watch which is 2 minutes fast of local mean time; and mark the direction thus determined, by a tack driven in a wooden plug set firmly in the ground five chs. north of my station.

July 17, 1896.

July 18: At 7h 1m a. m., l. m. t., I lay off the azimuth of Polaris, 1°38' to the West and mark the True Meridian thus determined by a cross on a stone firmly set in the ground west of the point established last night.
The magnetic bearing of the true meridian is N 6°36' W., which reduced by the table on page 100 of the Manual gives the mean mag.

East boundary of T. 3 S., R. 3 W. – Continued.

Chains.	
	decl. 16° 30' E.
	From the Tp. cor. I run
	N. 0° 12' E. bet. secs. 31 and 36.
	Descend over mountain through oak brush.
3.00	Hollow, 80 ft. below cor. course E.; a small spring of clear cold water bears E. about 200 chs. dist. from this point; ascend.
8.00	Top of ridge, 300 ft. above hollow, bears S. 75° E. and N. 75° W.
21.70	Wagon road, which leads from Brookline mine to Salt Lake Valley, bears N. 75° E. and S. 75° W.
28.75	Bottom of hollow, 300 ft. below ridge, course N. 0° 40' E.; ascend.
35.15	Spur of ridge, 350 ft. above hollow, bears E. and W.; descend.
40.00	Set a quartzite stone, 20 x 8 x 7 ins., 15 ins. in the ground, for 1/4 sec. cor., marked 1/4 on W. face; and raise a mound of stone, 2 ft. base 2 ft high, W. of cor. Pits impracticable.
44.50	Swale, 30 ft. below 1/4 sec. cor., course S. E.
53.00	Top of spur of ridge, 40 ft. above swale, bears N. E. and S. W.
	From this point the tram-way of the Brookline Silver mine bears W. 30 lks dist.; descend.
66.00	Swale 80 ft. below ridge, course E.; ascend.
75.40	Top of ridge 200 ft. above swale slopes N. E. from this point the Dalton and Lark mine and hoisting works, bears N. 65° W.; and a group of buildings, belonging to said mine bears S. 81° W.
80.00	To point 100 ft. below ridge.
	Set a quartzite stone, 18 x 7 x 6 ins., 12 ins. in the ground, for cor. of secs. 25, 30, 31 and 36, marked with 5 notches on N. and 1 notch on S. edges and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor. Pits impracticable.
	Land, mountainous sloping to E.
	Soil, gravelly; 3rd rate.
	Good grass for grazing.
	No timber.

Chains	
	Mountainous land, or land covered with dense undergrowth, 80.00 chs.
	N. 0° 12' E. bet. secs. 25 and 30.
	Over mountain through dense oak brush, descend.
5.30	Spring branch, 4 lks. wide, 3 ins. deep, rapid current, rocky bottom, in hollow 100 ft. below sec. cor., course N. 70° E.
6.90	Wagon road in canon, leading to Dalton and Larke mine, bears N. 70° E. and S. 70° W.
11.00	Gulley, course S. E., pours creek 5.00 chs. down.
13.00	To point from which a shaft house bears W. 3.00 chs. dist. and a building bears W. 7.00 chs. dist.; an ore shute, bears S. W. about 2.00 chs. dist.; ascend.
15.30	Spur of ridge, 80 ft. above creek, bears E. and W., descend.
17.00	Swale, 20 ft. below ridge, course E.; ascend.
20.50	Tramway track, bears N. 20° E. and S. 20° W.
28.00	Top of ridge 100 ft above hollow bears E. and W.; descend.
30.00	To point from which the shaft of the Pride of the Valley Mine, bears W. 125 lks. dist.
35.50	Dump of same mine.
40.00	Set a quartzite stone, 20 x 10 x 5 ins. 15 ins. in the ground, for 1/4 sec. cor.; marked 4 on W. face; and raise a mound of stone, 2 ft. base, 2 ft. high, W. of cor. Pits impracticable.
43.50	Hollow, 30 ft. below cor., course E. ascend.
46.00	Top of ridge, 20 ft. above hollow, bears E. & W.
57.50	Bottom of hollow, 30 ft. below ridge, course E. There is a little water in this hollow; ascend.
58.00	Two wagon roads join, one bears N. 70° E. and S. 70° W. and the other bears E. and W.
67.00	Top of ridge, bears S. 80° E. and N. 80° W.
71.30	Hollow, 100 ft. below ridge course E., ascend.
75.66	Top of spur, 125 ft. above hollow, bears S. 70° E. and N. 70° W.; from this point a house bears N. 42° E., about 8.00 chs. dist. and a house bears N. 40° 30' W., about 10.00 chs. dist.

East boundary of T. 3 S., R. 3 W. - Continued.

Chains.	
80.00	Set a quartzite stone, 14 x 9 x 4 ins., 11 ins. in the ground for cor of secs. 19, 24, 25 and 30, marked with 4 notches on N. and 2 notches on S. edges; and raise a mound of stone 2 ft. base 1½ ft. high, W. of cor. Pits impracticable. This cor. is on N. slope of hill. Land, mountainous, and sloping to E. Soil, gravelly; 3rd rate. Good grass for grazing. No timber. Mountainous land, or land covered with dense undergrowth, 80.00 chs.

	N. 0° 12' E., on a true line bet. secs 19 and 24 Descend over mountain through dence oak brush.
5.50	Bottom of ravine, 150 ft. below ridge, course E.; ascend.
17.00	Top of ridge, 150 ft. above ravine, bears E and W., and extends from peak on mountain to junction of hollows ¾ miles E. I post in mound of stone, 4 ins. sq. bears W. 100 lks. dist.; marked 1, 32, 19. A house bears N. 67° 25' E.; about 30.00 chs. dist.; descend.
19.85	Swale, course E.:
30.40	Spur of ridge, 30 ft. above swale, slopes E.; descend.
33.00	Bottom of hollow, about 40 ft. below ridge heads S. 45° W. At top of mountain, course E.
36.70	Wagon road, bears N. 60° E. and S. 60° W.
37.00	Top of ridge, 50 ft. above hollow, bears S 88° W. and N. 88° E.; and extends from top of mountain to valley. A cabin bears S. 53° W. about 30.00 chs. dist.; descend.
40.00	Set a quartzite stone, 18 x 9 x 4 ins., 12 ins. in the ground, for ¼ sec. cor., marked ¼ on W. face; and raise a mound of stone, 2 ft. base, 2 ft. high, W. of cor. Pits impracticable

Chains	
43.25	Bottom of swale, course N. 80° E.; ascend.
49.00	Top of ridge, slopes S. 80° E.; descend.
51.75	Swale, course E.
55.50	Top of spur, bears N. 80° E. and S. 80° W.
56.00	To point from which stake No 2 of the Midas Mining Claim bears W. 10 lks. dist.
57.00	Swale, course E.
61.00	Top of ridge, bears S. 70° E. and N. 70° W.
65.50	Hollow, course E.
68.25	Top of ridge descends, S 80° E.
70.80	Hollow, course E.
75.50	Top of ridge, bears E.
81.30	The cor. of secs. 13, 18, 19 and 24.

Land, mountainous, and sloping E.
Soil, gravelly; 3rd rate.
Good grass for grazing.
No timber.
Mountainous land, or land covered with dense undergrowth, 81.30 chs.

July 18, 1896.

Boundaries of T. 3 S., R. 3 W.

Latitudes, departures, and closing errors.

Line designated	True bearing	Distance Chs.	Latitude Chs. N.	Latitude Chs. S.	Departure Chs. E	Departure Chs. W.
N. bdy. T. 3 S., R. 3 W.	West	491.40				491.40
W. bdy. T. 3 S., R. 3 W.	South	482.08		482.08		
S. bdy. T. 3 S., R. 3 W.	East	498.00			498.00	
S. bdy. T. 3 S., R. 3 W.	N. 0° 12' E.	241.30	241.30		.84	
S. bdy. T. 3 S., R. 3 W.	North	162.10	162.10			
S. bdy. T. 3 S., R. 3 W.	N. 4° 13' W.	80.36	80.15			5.90
Convergency						.62
Totals			483.55	482.08	498.84	497.92
Errors in latitude			482.08		497.92	
			1.47 Error in dep. .92			

For general description see subdivision notes

Andrew J. Stewart Jr.
U. S. Deputy Surveyor.

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by _____

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

_____

wing the respective capacities in which they acted:

_____, *Chainman.*

_____, *Chainman.*

_____, *Moundman.*

_____, *Moundman.*

_____, *Axman.*

_____, *Axman.*

_____, *Flagman.*

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted _____

_____, United States Deputy Surveyor, in surveying all
29 parts or portions of the _____

_____

_____

_____ of the _____

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

_____, *Chainman.*

_____, *Chainman.*

_____, *Moundman.*

_____, *Moundman.*

_____, *Axman.*

_____, *Axman.*

_____, *Flagman.*

_____

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

_____

SEAL

_____

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FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

APPROVAL.

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PAGE

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PAGE

4—679.

BOOK A-244

FIELD NOTES

OF THE SURVEY OF THE

Subdivision lines and Private Land Claims
of Township 3 South, Range 3 West

Of the Salt Lake Base and Meridian,
in the State of Utah

AS SURVEYED BY

Andrew J. Stewart Jr, United States Deputy Surveyor,
under his Contract No. 203, dated December 27th, 1895
Survey commenced July 20th, 1896
Survey completed August 8th, 1896

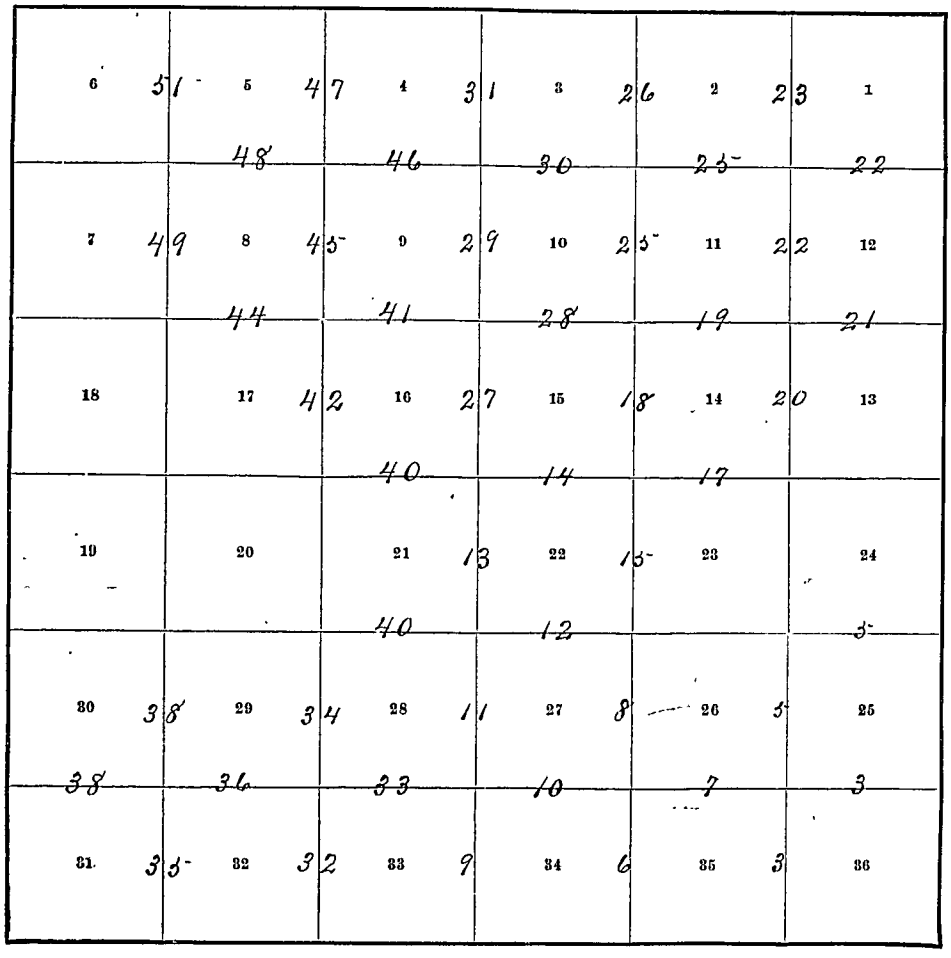
6—151

Volume
#
R0244

BOOK A-244

INDEX DIAGRAM.

Township 3 South, *Range* 3 West



Meanders Page 53.

PRELIMINARY OATHS OF ASSISTANTS.

WE, _____ and _____

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

_____

_____, *Cha*

_____, *Cha*

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

SEAL

_____

_____

WE, _____ and _____

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

_____

_____, *Moun*

_____, *Moun*

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

SEAL

_____

_____

WE, _____ and _____

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

_____

_____, *A*

_____, *A*

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

SEAL

_____

_____

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

_____, *Flag*

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

SEAL

_____

_____

Subdivision of T. 3 S., R. 3 W.

Survey commenced July 20, 1896, and executed with a W. and L. E. Gurley light mountain transit No The horizontal limb is provided with two opposite verniers, reading to 30" of arc, which is also the least count of the verniers of the latitude and declination arcs (See Book B.)

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

At the cor of secs 1, 2, 35 and 36, on S. Bdy. of Tp. established July 14, 1896, latitude 40° 30' N. longitude 112° 08' W.; I set off 40° 30' on the lat. arc; 20° 27' W. on the decl. arc; and at 4h 1m l. m. A., determine a true meridian with the solar and mark a point thereof, on a stone, firmly set in the ground, 5.00 chs north of the cor.

At 11h 27.4m p.m., by my watch which is 0m 30s fast of local mean time, I observe Polaris at eastern elongation in accordance with the Manual of Instructions and mark a point in the line thus determined, on the stone already set in the ground 5.00 chs. north of my station.

July 20, 1896.

Subdivision of T. 3 S., R. 3 W. – Continued

July 21: At 6h 0m a.m., lat. A, I took off the azimuth of Polaris 1° 36' 45", to the west, and mark the true meridian thus determined by cutting a small groove in the stone, at July 20, on which the true meridian falls 0.5 ins. east of the mark determined by the solar.

At 8h 2m a.m., l. m. A, I set off +0° 30' on the lat. arc; 20° 19' N. on the decl. arc; and mark a point in the true meridian determined with the solar, by a cross on the stone already set 5.00 chs. north of my station; this mark falls 0.2 ins. east of the true meridian established by the Polaris observation.

The solar apparatus by p.m. and a.m. observations, defines positions for the true meridians, respectively about 0' 18" west and 0' 15" east of the meridian established by the Polaris observations, therefore I conclude that the adjustments are satisfactory.

The magnetic bearing of the true meridian, at 8h 30m a.m., is N. 16° 36' W.; the angle thus determined reduced by the table, page 100 of the manual gives the mean mag. decl. 16° 30' E.

Subdivision of T. 8 S., R. 3 W. — Continued.

Chains	
	I commence at the cor. of secs. 1, 2, 35, and 36, on the S. bdy. of the Tp. which I established July 14, 1896.
	Thence I run
	N. 0° 17' E. bet. secs. 35 and 36.
	Ascend through dense brush over ground, sloping W.
3.00	S. spur of ridge, bears E. and W.; descend.
5.50	Bump on Telegraph mining claim
17.50	Frame house, bears S. 30 lks. dist.
18.00	Telegraph & mining works, bears W. about 3:30 P.M. Chs. dist
40.00	Set a quartzite stone, 18 X 12 X 8 ins., 12 ins. in the ground, for 1/4 sec. cor., marked 1/4 on W. face; and raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor. Pits impracticable.
40.50	Telegraph line bears E. and W.
44.00	Trail in bottom of hollow, bears E. and W.;
52.50	Trail in bottom of hollow, bears E. and W. begin ascent
79.00	Top of spur of ridge, bears E. and W.; descend.
80.00	Set a quartzite stone, 14 X 11 X 6 ins. 9 ins. in the ground, for cor. of secs. 25, 26, 35, and 36, marked with 1 notch on S. and 1 notch on E. edges; and raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor. Pits impracticable. From this cor. U. S. Mineral monument No. 8 in sec. 36, bears S. 11° 20' E. 42.85 chs. dist.
	Land, mountainous
	Soil, loam and gravelly; 2nd rate.
	Good grass for grazing
	No timber, Undergrowth, oak and maple.
	Mountainous land, or land covered with dense undergrowth, 80.00 chs.
	Note. The U.S.M.M. is in the West Mountains M.D.

	East, on a random line bet. secs. 25 and 36.
40.00	Set temp. 1/4 sec. cor.
81.50	Intersect E. bdy. of Tp., 46 lks. N. of cor. of secs. 25, 30, 31, and 36, which I established July 18, 1896.

Subdivision of T. 3 S., R. 3 W. — Continued

Chains	Thence I run
	N 89° 40' W., on a true line bet. secs. 25 and 36.
	Ascend over rolling ground.
10.00	Creek in hollow, 4 lks. wide, 5 ins. deep, gentle current, course N. 80° E.
16.50	Cross the tramway of the Dalton and Lark hoisting works, 50 lks. S. of building.
21.50	Spur of ridge, bears N. and S.
	The Dalton and Lark Mining Co's. boarding house bears S. about 3.00 chs. from this point; descend.
23.30	From this point a tramway, bears S. 50 lks. dist.; a house on N. side of gulch, bears S. 2.50 chs. dist.; and a house on S. side of gulch, bears S. 3.50 chs. dist.
24.50	Cross tramway track, bears N. E. and S. W.
31.00	To point from which a house, bears S. 10° E. about 8.00 chs. dist. There are two other houses 50 lks. E. of it, and 3 tunnels a short distance E of the houses.
34.45	Top of spur, bears N. and S., from which the Lead Mine shaft house, bears S 35° W. about 10.00 chs. dist.; a house bears S 35° W. about 8.00 chs. dist.
40.25	Set a sand stone, 20 X 5 X 6 ins., 15 ins in the ground, for 1/4 sec. cor., marked 1/4 on N. face; and raise a mound of stone, 3 ft. base, 1½ ft. high, N. of cor. Pits impracticable.
41.50	Bottom of hollow, course S. terminates about 7.00 chs. dist. in larger hollow.
44.65	To point from which a house bears S. 50 lks. dist.
54.50	To point from which an old shaft, bears S. 10 lks. dist.
66.00	Top of ridge, bears S. 20° E. and N. 20° W.; descend.
73.50	Swale, course S. E.; ascend.
77.00	Top of divide bet. Bingham Cañon and Salt Lake Valley about 800 ft. above Bingham creek and 1500 ft above the valley, bears N. and S.
80.50	The cor of secs. 25, 26, 35, and 36.
	Land, rolling, sloping E.
	Soil, 3rd rate.
	Good grass for grazing

Chains	
	Indications of mineral along line. Dense undergrowth, oak brush. No timber. Mountainous land or land covered with dense undergrowth 80.50 chs.
	N. 0° 11' E., on a random line bet. secs. 25 and 26
40.00	Intersect S. limit of old survey 25 lks W. of ¼ sec. cor., which is a grey quartzite stone, 10 x 6 x 5 ins. above ground, marked and witnessed as described by the surveyor general.
	Thence I run
	S. 0° 21' W., on a true line bet. secs. 25 and 26. Along W. slope of mountain through scattering mahogany and oak brush.
5.00	Top of ridge, bears S. W. and N. E.
13.00	Head of hollow, course S. W.
26.00	Top of mountain bet. Salt Lake Valley and Bingham Cañon, about 2000 ft. above valley; bears N. 20° E. and S. 20° E.
40.00	The cor. of secs. 25, 26, 35 and 36
	Land, mountainous.
	Soil, loam and gravelly; 1st and 2nd rate.
	Good grass for grazing.
	No timber.
	Mountainous land 40.00 chs.
	From the cor. of secs. 23, 24, 25, and 26, which is a quartzite stone, 10 x 12 x 10 ins. above ground, marked and witnessed as described by the surveyor general. I run
	S. 89° 40' E., on a random line bet. secs. 24 and 25
40.00	Set temp. ¼ sec. cor.
80.50	Intersect N. and S. line 2 lks. N. of cor. of secs. 19, 24, 25 and 30. Thence I run
	N. 89° 39' W., on a true line bet. secs. 24 and 25. Ascend over mountain through sage and oak brush.
28.00	Spur, 150 ft. above sec. cor. bears N. E. and S. W.; descend.
40.25	Set a quartzite stone, 16 x 10 x 6 ins., 11 ins. in the ground for ¼ sec. cor., marked ¼ on N. face; from which A mahogany, 4 ins. diam. bears N. 10° W., 52 lks. dist., marked

Subdivisions of T. 3 S., R. 3 W. – Continued.

Chains	
	¼ S., B. T.
	A mahogany, 4 ins. diam., bears S. 33° W., 67 lks. dist. marked ¼ S. B. T. From this cor. the U. S. M. M. No 10 in sec. 25 bears S. 13° 30' W. 19.60 chs. dist.
	A miners cabin bears S. 61° 45' W., about 6.25 chs. dist.
41.60	Wash 70 ft. below ridge, course N. E.; ascend.
67.00	Divide bet. Salt Lake Valley and Bingham Cañon 2000 ft. above the valley, bears N. and S. Enter mahogany; descend.
77.00	Leave mahogany.
80.50	The cor. of secs. 23, 24, 25 and 26.
	Sand mountainous.
	Soil, gravelly and loam; 2nd and 3rd rate.
	Undergrowth, mahogany. Good grass for grazing.
	No timber.
	Mountainous land, or land covered with dence undergrowth
	80.50 chs. July 2, 1877. This cor. set off 20 ½ W. on the div. on. and at 0h 5m p.m. observe the sun on the Meridian; the resulting lat. is 40° 32'.
	From the cor. of secs. 2, 3, 34 and 35 on S. bdy. of Tp. heretofore described. Thence I run
	N. 0° 10' E. bet. secs. 34 and 35. Ascend through dence brush.
5.00	Top of spur, bears E. and W. This point is 10 lks. E. of dug way leading from Bingham to head of gulch;
10.00	Hollow, course S. E. A tunnel, bears E. 175 lks. dist.
12.00	Same tunnel, bears E. and W.
13.20	Shaft of mine 10 lks. E. of spur of ridge; descend.
17.50	Bottom of hollow, course S. E.
24.50	An old shaft 5 lks W. of line.
25.00	Top of ridge, bears S. 30° W. and N. 25° E.; ascend ridge.
40.00	Set a conglomerate stone, 12 x 10 x 8 ins., 7 ins. in the ground for ¼ sec. cor., marked ¼ on W. face; and raise a mound of stone, 2 ft. base, 2 ft. high, W. of cor. Pits impracticable.
47.00	Top of ridge, bears E. and W.; descend.
59.25	Clump of pine trees 25 lks. through.
73.00	Bottom of hollow, course S. W.; ascend.
80.00	Set a conglomerate stone, 14 x 10 x 9 ins., 9 ins. in the ground for cor. of secs. 26 & 27, 34 and 35, marked 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.
	From this cor. the witness cor. of the U. S. Mineral Monument is a cut stone, 12 x 8 x 8 ins above ground, marked W. C., U. S. M. M. No. 12, bears N. 28° 37' W. 26.31 chs. dist.

Subdivision of T. 3 S., R. 3 W. — Continued.

Chains.	
	Land, rolling mountainous. Soil, gravelly and loam, 2nd and 3rd rate. Timber, pine; undergrowth oak. Mountainous or heavily timbered land or land covered by dense undergrowth, 80.00 chs.
	East, on a random line bet. secs. 26 and 35.
40.00	Set temp. ¼ sec. cor.
79.70	Intersect N. and S. line 40 lks. S. of cor. of secs. 25, 26, 35 and 36. Thence I run S. 89° 43' W. on a true line bet. secs. 26 and 35. Descend mountain sloping W. through dense undergrowth of mahogany.
19.00	Dump of deserted mine.
20.50	Swale, bears S. 70° W.
24.00	Top of ridge bears S. 60° W. and N. 60° E.; descend.
32.30	Tramway in Bingham Cañon, bears N. and S.
33.30	Road in Bingham Cañon leading to Bingham from mines in Highland, bears N. and S.
33.50	Flume, 2 ft. wide, 14 ins. deep, leading to mill, course N.
33.60	Bingham Creek 10 lks. wide, 2 ins. deep, gentle current, course N. 10° W.
35.00	Road in canon, bears N. 10° W. and S. 10° E.
35.25	Telegraph line extending from mines in canon to Bingham, bears N. and S.
35.30	Enter fenced enclosure.
36.50	Leave fenced enclosure. Fence bears N. E. and S. W. John H. Stevens house bears S. about 100 lks. dist.
39.85	Set a quartzite stone 16 x 10 x 6 ins. 12 ins. in the ground for ¼ sec. cor. marked ¼ on N. face; from which A pine, 3 ins. diam., bears N. 42° W., 6 lks dist., marked ¼ S. B. T. A pine, 4 ins. diam., bears S. 48° W. 63 lks. dist. marked ¼ S., B. T.
51.35	Bottom of hollow, bears N. E. and S. W.; ascend.
63.50	A ledge, about 30 ft. high, bears S. 30 lks. dist.
66.50	Top of ridge, about 300 ft. above last cor. and 600 ft. above cañon, bears and slopes N. 30° E.; descend along top of ridge.
79.70	The cor. of secs. 26, 27, 34 and 35. Land, mountainous ridges. Soil, gravelly and loam; 2nd and 3rd rate. Timber; undergrowth, mahogany and oak. Indications of mineral along line.

Chains	Mountainous or land covered with dense undergrowth 79.70 chs.
	N. 0°2' W., on a random line bet. secs. 26 and 27.
40.00	I find no trace of ¼ sec. cor., therefore I continue N. on a resurvey line.
80.00	Intersect N. and S. line, 24 lks W. of the witness cor. of secs. 22, 23, 26, and 27, which is 44 lks S. and 3 lks E. of true cor. point, I find a stationary ledge of grey sandstone, 2 ft. square, marked and witnessed as described by the surveyor general. The point for cor. is too steep for a cor. to remain on, and the Witness Cor. is necessary.
	To reestablish the ¼ sec. cor. bet. secs. 26 and 27 I commence at point for cor. of secs. 22, 23, 26 and 27.
	Thence I run
	South, on a resurvey line, bet. secs. 26 and 27.
	Ascend abruptly through brush.
4.94	Dry ditch leading from creek in Markham Gulch to mines, bears E. and N. W.
15.44	Top of ridge, 200 ft. above cor. bears N. E. and S. W.
25.19	Hollow, 50 ft. below ridge, course N. 70° E.; ascend.
32.44	Top of divide ridge, bet. Carr Fork Cañon and Markham Gulch, bears N. 80° E. and S. 80° W.
40.00	I find no trace of ¼ sec. cor.
	Set a quartzite stone, 16 x 10 x 6 ins. 11 ins. in the ground; for reestablished ¼ sec. cor., marked ¼ on W. face; and raise a mound of stone, 2 ft. base 2 ft. high W. of cor. Pits impracticable.
	Thence I run
	S. 0°16' W., bet. secs. 26 and 27 from ¼ sec. cor.
53.44	Road in Carr Fork, bears N. 40° E. and S. 40° W.
54.44	Creek in bottom of Carr Fork Cañon, 10 lks. wide 3 ins. deep, rocky bottom, rapid current course N. 40° E.; ascend.
64.44	Top of ridge, bears N. 80° W. and S. 80° E.; descend.
69.69	Bottom of hollow, course N. W.; ascend.
80.44	The cor. of secs. 26, 27, 34 and 35.
	Land mountain ridges.

See letters Dec. 21 and 22, 1926 and Jan. 20-1927 also blueprint diagram filed in "S." miscellaneous for manner in which locus of W.C. to cor. secs. 22, 23, 26 & 27 is perpetuated (Wah Copper Co.)

Cor. No. 4044

Subdivision of T. 3 S. R. 3 W. continued

Chains	
	Soil, stony and gravelly 2nd and 3rd rate good grass-for grazing No timber Mountainous land or land covered with dense undergrowth 40.44 chs. July 21st 1896
	July 22nd, the sky is over cast and polar observation are impossible.
	From the cor. of secs. 3, 4, 33 and 34 on the S. bdy. of the Tp. hereto-fore described. I run
	North, on sectional guide meridian, bet. secs 33 & 34
	Descend mountain sloping towards N.W. dense undergrowth and scattering aspen saplings
4.50	Miners log cabin 10 lks. E. of line
5.50	Bottom of branch of East Fork Canon Spring branch 5 lks. wide, 5 ins. deep course N. 45° E. ascend
7.00	Small flume and levee carrying water to Frisco mine from East Fork
7.50	Top of small ridge about 30 ft. above hollow, bears N. 45° E and S. 45° W. descend
10.00	Trolly track on the dump of Frisco silver mine in the bottom of hollow course N. 49° E.
10.50	A cabin bears 50 lks. W. of this point
14.00	Top of small ridge, bears N. 55° E. and S. 55° W. descend
14.50	Road in bottom of hollow, bears N. 80° E. and S. 80° W. Ascend
25.50	Top of ridge, about 90 ft. above last hollow bears N. 80° E. and S. 80° W.
40.00	Enter scattering timber; An aspen 4 ins. diam., for 1/4 Sec. cor. marked 1/4 S. on W. face; from which an An aspen 4 ins., diam., bears N. 50° E. 20 lks dist marked 1/4 S. B. T. An aspen 5 ins diam., bears N. 66½° W. 40 lks. dist. marked 1/4 S. B. T.
43.50	Bottom of hollow about 100 ft. below last ridge course N. 50° E. Ascend
44.44	A Drag road bears N. 50° E and S. 50°

Chains	
	W.
63.50	To point on dump of a deserted mine, from which a mines cabin bears West about 50 lks. dist.
62.00	Top of a long ridge about 150 fr. above hollow. bears N. 60° E. and S. 60° W.
	Descend
71.00	Bottom of hollow, about 75 fr. below ridge, course N. 75° E.
	Ascend
79.50	Top of long ridge about 90 fr. above hollow bears N. 20° E. and S. 20° W.
	Descend
80.00	Set a sandstone 6X14X6 ins., 12 ins, 12 ins in the ground for the 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 fr. base, 1½ fr. high W. of cor. Pits impracticable
	From this cor. the W. S. mineral monument No 9 in sec. 33, bears S. 42° 30' W. 4.97 chs.
	Land mountain ridges
	Soil loams and gravelly 2nd and 3d rate.
	Undergrowth oak. Timber aspen and scattering pine
	Good grass for grazing
	Mountainous land or heavily timbered land or land covered with dense undergro on 80.00 chs.

	East, on a random line, bet. secs. 27 and 34
40.00	Set a temporary ¼ sec. cor
80.50	Intersect N. and S. line 25 lks. N. of the cor. of secs. 26, 27, 34 and 35. Thence I prim N. 89° 49' W. on a true line bet. secs 27 & 34
	Descend mountain through oak bush
30.25	Creek 10 lks. wide 5 ins deep in Cart Fork Canon about 400 fr below cor. course N. 20° E. and Ascend

Subdivision of T. 3 S. R. 3 W. - continued

Chains	
32.00	Road in Bear Fork Canon bears N. 20° E. and S. 20° W.
40.25	Set a quartzite stone, 14x10x6 ins., 9 ins in the ground for 1/4 sec. cor. marked 1/4 on N. face, and raise a mound of stone 2½ ft. base 1½ ft. high N. of cor Pits impracticable
53.00	Miners blacksmith shop on line
64.00	To point from which four lumber buildings bear N. 150 lks. dist.
65.00	Road leading to mines, bears N. and S.
78.00	Top of ridge about 450 ft. above canon bears N. 65° E. and S. 65° W. Descend
80.50	The cor. of secs. 27, 28, 33, and 34

Land, mountainous

Soil, loam, mixed with gravel and rock 2nd and 3d rate

Good grass for grazing

There are indications of mineral along the line

No timber

Mountainous land, or land covered with dense undergrowth on 80.50 chs.

Note.- There are a number of miner's houses and a deserted mill in sec. 34 along the creek in Bear fork not seen from the line. At the noon hour the sky is still over cast and polar observations are impossible

	North, bet. secs. 27 and 28, Descend
6.25	Bottom of gulch, course N. E. From this point a miner's cabin, bears N. 20° E. about 12.00 chs. dist.; a miner's cabin, cabin, bears N. 6° 30' W. about 15.00 chs. dist., and a lumber shanty bears N. 14½ E about 2.50 chs. dist.; Ascend
8.00	Enter aspen saplings
20.00	Leave aspen saplings
28.75	Top of ridge, bears E. and W.; Descend
34.75	Bottom of Cottonwood gulch course E., Ascend
40.00	Set a quartzite stone 18x7x6 ins., 12 ins. in the ground for ¼ sec. cor. marked ¼ on W. face; Dig pits 18x18x12 ins N. and S. of cor. 3 ft. dist. and raise a mound of earth 3 ft. base 1½ ft.

Chains	
	high W. of cor.
49.83	Top of sharp stony ridge, bears S. 86° E. and S. 86° W. This ridge is about 150 ft. above hollow; begin descent through a dense growth of lab.
56.00	Bottom of hollow, course N.E.
59.25	Top of spur about 50 ft. above last hollow bears N.E. and S.W. descend
74.50	Bottom of hollow course N. 5-5° E
76.50	Top of ridge, bears N. 5-5° E. and S. 5-5° W.; descend
79.00	Bottom of ravine, course N.E. ascend
80.00	Set a quartzite stone 18X8X7 ins., 12 ins. in the ground, for cor. of secs. 21, 22, 27 and 28 marked with 2 notches on S. and 3 notches on E. edges; and raise a mound of stone 2½ ft. base 2 ft. high, W. of cor. Pits impracticable. This cor. is on the side of the hill sloping S.E. about 30 ft. above ravine

Land mountainous.

Soil, loam mixed with gravel and rock 3rd and 4th rate

Good grass for grazing

Mountainous land or land covered with dense undergrowth 80.00 chs.

July 22nd 1896

July 23rd the sky is overcast and polar observations are impossible

S. 89°49' E. on a random line bet. secs. 22 and 27

40.00	Set a temporary ¼ sec. cor.
80.50	Intersect N. and S. line 50 lks. S. of point for cor. of secs. 22, 23, 26 and 27. Thence I. run

S. 89°30' W. on a true line bet. secs. 22 and 27.

Ascend mountain along north slope Markham Gulch

3.70	Spring branch 3 lks. wide in gravel course N.
8.20	Dry ditch following curve of mountains course S. 88° E.
15.90	Bottom of hollow course N. ascend
21.20	Spur bears N. and S. Descend
23.40	Spring branch, in hollow 5 lks. wide 4 ins. deep course N.
37.85	Rocky ridge, bears N. and S. A limber house bears N. about 6 chs. dist.

Descend

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

Chains	
40.25	Set a quartzite stone 22 x 10 x 6 ins., 16 ins. in the ground, for 1/4 sec. cor. marked 1/4 on N. face; from which A pine, 6 ins. diam., bears N. 77° 30' E., 62½ lks. dist. marked 1/4 S., B. T. No trees within limits in sec. 27; Raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.
49.00	Bottom of swale, course N. 10° E.; ascend.
59.50	Top of spur, bears N. E. and S. W.; descend
71.50	Bottom of hollow, course N. 60° E.
80.50	The cor. of secs. 21, 22, 27, and 28. Land, mountainous. Soil, 3rd and 4th rate. Good grass for grazing. Timber scattering pine. Mountainous land, or land covered with dense undergrowth, 80.50 chs.

North bet. secs. 21 and 22.
Ascend, through dense undergrowth.

3.50	Top of spur, bears N. 80° E. and S. 80° W.; descend
15.50	Bottom of hollow, course E.; ascend.
17.50	Top of spur, bears S. 30° E. and N. 30° W.; descend.
20.00	Bottom of hollow, course S. E.; ascend.
40.00	Set a quartzite stone, 15 x 8 x 4 ins., 9 ins. in the ground, for 1/4 sec. cor., marked 1/4 on W. face; and raise a mound of stone, 2 ft. base, 2 ft. high, W. of cor. Pits impracticable. This cor. is on the S. slope of mountain about 80 ft. below top of ridge.
43.35	Top of divide ridge bet. Markham Gulch and Freeman's Gulch, bears S. 60° E. and N. 60° W.; descend.
48.00	Bottom of swale, course N. E.; ascend.
53.40	Spur, bears N. 30° E. and S. 30° W.; descend.
59.25	Bottom of hollow, course N. 60° E.; ascend.
68.00	Top of spur, bears N. 70° E. and S. 70° W.; descend.
79.50	Bottom of swale, course E.; ascend.

Subdivision of T. 3 S., R. 3 W. — Continued.

Chains	
8.00	Set a quartzite stone, 26 x 12 x 4 ins., 18 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; 3 S. on N. E., and 3 W. on S. E. faces; and raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor. Pits impracticable. This cor. is on the mountain side sloping towards the S. E. Land, mountainous. Soil gravelly and loam, 2nd and 3rd rate. Dense undergrowth oak and laurel. Good grass for grazing. No timber. Mountainous land, or land covered with dense undergrowth, 80.00 chs. July 23, 1896.
	July 25. At 6h 39m a. m. l. m. t., I set off 40° 33' on the lat. arc; 19° 30' N. on the decl. arc; and determine a true meridian with the solar, at the cor. of secs. 15, 16, 21, and 22. Thence I run N. 89° 30' E., on a true line bet. secs. 15 and 22. Descend over mountain through brush.
1.00	Bottom of swale 20 ft. below cor.; course S. 75° E.
4.00	Spur 20 ft. above swale, bears N. E. and S. W.; descend.
24.00	Enter scattering mahogany and aspen, bears E. and W.
28.40	Quartzite ledge 7 ft. high, bears N. and S.
36.30	Bottom of hollow, about 80 ft. below ridge course S. E.; ascend.
40.00	Set a sandstone, 14 x 12 x 4 ins., 9 ins. in the ground, for 1/4 sec. cor.; it is marked 1/4 on N. face, and raise a mound of stone, 2 ft. high, 1/2 ft. high N. of cor.; from which A mahogany, 4 ins. diam., bears N. 6 lks. dist., marked 1/4 S., 15. T. A mahogany, 5 ins. diam., bears S. 11

Chains.	
	E. 62 lks. dist., marked ¼ S., B. T.
44.30	Ridge, about 100 ft. above hollow, bears N. 60° W. and S. 60° E.; descend.
48.00	Hollow, 20 ft. below ridge, course S. 55° E.; ascend.
62.00	Ridge, bears S. E. and N. W. Leave mahogany; descend.
68.00	Bottom of hollow, course S. E.; ascend.
80.00	Set a sandstone, 21 x 12 x 10 ins.; 17 ins. in the ground, for cor. of secs. 14, 15, 22, and 23, marked with 3 notches on S., and 2 notches on E. edges; and raise a mound of stone, 2 ft. base 1½ ft. high, W. of cor. Pits impracticable. Sand, mountainous Soil, loam and gravelly; 2nd and 3rd rate. Timber, scattering mahogany, undergrowth oak. Good grass for grazing. Mountainous land, or land covered with dense undergrowth 80.00 chs.

S. 0° 1' W., on a random line bet. secs. 22 and 23.

40.00 Set temp. ¼ sec. cor.

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

Thence I run

N. 0° 1' E., on a true line bet. secs. 22 and 23.

Descend abruptly through dense undergrowth.

1.25 Creek in Markham Gulch, 6 lks. wide, 4 ins. deep, rocky bottom, rapid current, good cold water, 100 ft. below cor., course E.; ascend through dense oak brush.

1.56 Road in Markham Gulch, bears E. and W.; ascend abruptly.

2.75 Road on side of mountain, bears S. W. and N. E.

20.75 Top of divide ridge bet. Markham Gulch and Freeman's Gulch, about 500 ft. above creek bears E. and W.; descend.

24.25 To point, a miner's board shanty, bears W. 15 lks. dist.

29.25 Swale, course N. E.; ascend.

35.25 Top of spur, bears N. E. and terminates

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

Chains	
	in Freeman's Gulch, about 5.00 chs. dist.
37.65	Trail, bears N.W., about 8.00 chs. to spring in Freeman's Gulch and leads to prospect hole S. E.
40.00	Set a quartzite stone, 16 x 10 x 5 ins., 11 ins. in the ground, for 1/4 sec. cor.; from which A pine, 8 ins. diam., bears N. 24° W., 70 lks. dist., marked 1/4 S., B. T. A pine, 3 ins. diam., bears N. 20° E. 80 lks. dist., marked 1/4 S., B. T. From this cor. the U. S. M. M. No. 4, bears N. 58° 03' W. 4.38 chs. dist.
	Bottom of Freeman's Gulch, about 6.00 ft. below ridge, joins Brigham Cañon at R. G. W. R. R. depot, about 1/4 of a mile below, course S. 65° E.
40.70	A post, 3 ins. sq. and 3 ft. high, bears W. 20 lks. dist., marked 3 - 3.2 - 37; ascend mountain through dense oak brush.
65.00	Top of spur, bears S. W. and N. E.; descend.
80.00	The cor. of secs. 14, 15, 22 and 23. Land, mountainous. Soil, gravelly; 3rd rate. Good grass for grazing. No timber; undergrowth, oak. Mountainous land 80.00 chs.

July 25: At this cor. I set off 19° 27' N. on the dec. arc and at 0h 4m p.m. observe the sun on the Meridian, the resulting lat. is 40° 33'.

	East, on a random line bet. secs. 14 and 23
40.50	I fall 1.00 chs. S. of 1/4 sec. cor., which is a sandstone, 5 x 10 x 6 ins., above ground, marked and witnessed as described by the surveyor general.
	Thence I run
	West, on a true line from 1/4 sec. cor. just described; descend through oak and maple.
0.50	Bottom of hollow, course S. E.; ascend.
7.00	Top of ridge bears S. 30° E., about 100 ft. above 1/4 sec. cor.
14.00	Bottom of hollow, 60 ft. below ridge,

Subdivision of T. 3 S., R. 3 W.—Continued.

Chains	
	course S. E.
18.00	Top of spur, 80 ft. above hollow, bears N. W. and S. E.
22.30	Bottom of hollow, about 30 ft. below ridge, bears S. E.; ascend.
28.00	Top of spur, 80 ft. above ridge, bears S. 20° E. and N. 20° W.; descend.
36.75	Bottom of hollow, about 70 ft. below ridge, course S. E.; ascend.
40.30	Top of ridge about 120 ft. above hollow, bears S. 10° E. and N.
	To point 1.00 chs. N. 0° 1' E. of cor. of secs. 14, 13, 22, and 23. I destroy the marks on this cor. pertaining to secs. 14 & 23.
	Set a sandstone, 25 X 10 X 8 ins., 18 ins. in the ground, for closing cor. of secs. 14 and 23, marked with C. C. and 2 grooves on E., and 3 grooves on S. ~~face~~; and raise a mound of stone, 2 ft. base 1½ ft. high, E. of cor. Pits impracticable.
	Land, mountainous.
	Soil, gravelly and loam; 2nd rate.
	Good grass for grazing.
	No timber, undergrowth, oak.
	Mountainous land—or land covered with dense undergrowth, 40.30 chs

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	Note.—The line bet. secs. 14 and 23, not closing within limits from the cor. of secs. 23, 24, 25 and 26, I run North, on a retracement line bet. secs. 23 and 24.
40.40	The ¼ sec. cor., which is a grey quartzite stone, 6 X 10 X 5 ins. above ground, marked and witnessed as described by the surveyor general.
80.80	The cor. of secs. 13, 14, 23, and 24, which is a grey quartzite stone, 8 X 12 X 8 ins. above ground, marked and witnessed

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

Chains	
	as described by the surveyor general. I now run West, on a retracement line bet. secs. 14 and 23.
39.50	The ¼ sec. cor. already described. This makes my closing within limits
	N. 0° 1' E., bet. secs. 14 and 15. Ascend, through oak brush.
1.00	The closing cor. of secs. 14 and 23.
5.00	Enter scattering mahogany.
24.85	A mahogany, 8 ins. diam., on line, I mark with 2 notches on N. and S. sides. A hollow heads about 200 chs E., course S.
25.20	Trail, bears E. and W.
25.70	Top of ridge bet. Freemans Gulch and Dry Fork, about 800 ft. above Freeman's Gulch, bears E. and W. Leave mahogany; descend.
30.00	Bottom of swale, about 80 ft. deep, which joins Dry Fork, course N. E.; ascend.
36.75	Top of ridge, drag road leading from Dry Fork to top of mountain, bears N. E. and S. W.; descend.
46.00	Set a sandstone, 14 X 12 X 6 ins., 9 ins. in the ground, for ¼ sec. cor., marked ¼ on W. face; and raise a mound of stone 2 ft. base 2 ft. high, W. of cor. Pits impracticable. This cor. is on the side of hill sloping N.
46.30	Bottom of hollow, about 100 ft. below ¼ sec. cor., course N. E.; ascend.
47.50	Top of spur, bears N. E. and S. W.; descend.
48.75	Bottom of gulch, course N. 70° E., joins larger hollow 180 lks. below; ascend.
56.25	Top of spur, bears N. E. and S. W.; descend.
61.40	Bottom of hollow, course N. 65° E.; ascend.
73.25	Top of spur, bears N. E. to Dry Fork, and S. W. to

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

Chains	
	top of mountain; descend.
80.00	Set a sandstone, 18 x 9 x 5 ins., 12 ins. in the ground, for cor. of secs. 10, 11, 14, and 15, marked with 4 notches on S. and 2 notches on E. edges; and raise a mound of stone, 2 ft. base, 2 ft. high W. of cor. Pits impracticable. This cor. is in head of hollow, course E., about 600 ft. below top of mountain.
	Land, high mountain ridges.
	Soil, gravelly, 3rd rate.
	Good grass for grazing.
	Undergrowth, mahogany, oak, willows, service-berry, and aspen.
	No timber.
	Mountainous land, or land covered with dense undergrowth 80.00 chs.
	East, on a true line, bet. secs. 11 and 14.
	Descend over mountain.
30.80	Bottom of hollow, about 800 ft. below cor. course N. E., about 3.00 chs to Dry Fork; ascend.
38.00	Top of spur, bears N. and S.; descend.
40.00	Set a quartzite stone, 16 x 12 x 5 ins., 11 ins. in the ground, for 1/4 sec. cor., marked 1/4 on N. face; and raise a mound of stone, 2 ft. base, 2 ft. high, N. of cor. Pits impracticable. This cor. is on a hill sloping N. E.
45.30	Deep gulch, about 150 ft. below 1/4 sec. cor., course N. 20° E.
50.25	Top of spur, about 150 ft. above hollow, bears N. and S.; descend.
60.00	Enter Dry Fork, about 1400 ft. below sec. cor. course S. 42° E.
60.60	Road leading from Bingham Canon to head of Dry Fork, bears S. 40° E., and N. 40° W.
63.60	Wash in Dry Fork, course S. 40° E.
65.50	Leave Dry Fork; ascend.

Subdivision of T. 3 S., R. 3 W. – Continued.

Chains	
80.00	Set a quartzite stone, 16 X 10 X 6 ins., 11 ins. in the ground, for cor. of secs. 11, 12, 13, and 14, marked with, 4 notches on S. and one notch on E. edges; and raise a mound of stone, 3 ft. base 2½ ft. high W. of cor. Pits impracticable. Land, high and rolling mountains. Soil, rocky and gravelly, 3rd rate. Good grass for grazing. Undergrowth, oak, mahogany, larb, service-berry, and choke cherry. No timber. Mountainous land, or land covered with dense undergrowth, 80.00 chs.
	S. 0° 1' E., on a random line bet. secs. 13 and 14 parallel to E. bdy. of Tp.
39.60	I fall 5 lks W. of ¼ sec. cor., which is a sand-stone, 10 X 8 X 4 ins., above ground, marked and witnessed as described by the surveyor general. To perpetuate this cor. I mark a mahogany 4½ ins. diam., bears S. 11° W. 70 lks. dist., ¼ S. B.T.; and raise a mound of stone, 2 ft. base 1½ ft. high, W. of cor. Thence I run N. 0° 5' W., on a true line bet. secs. 13 and 14. Descend through oak brush.
5.00	Bottom of gulch course, N. E.; ascend.
7.00	To old ditch, course S. E.
10.00	Begin steep descent.
12.50	Bottom of steep descent, 200 ft. below ¼ sec. cor.
13.50	Road in Dry Fork, leading from Bingham to head of cañon, bears S. E. and N. W.
13.90	Wash in Dry Fork, course S. E., begin ascent.
39.60	The cor. of secs. 11, 12, 13, and 14, 500 ft. above Dry Cañon. Land, mountainous. Soil, rocky; 3rd rate. Good grass for grazing.

Subdivision of T. 3 S., R. 3 W. – Continued.

Chains	
	No timber. Undergrowth oak. Mountainous land, or land covered with dense undergrowth, 39.60 chs. July 25. 1896.
	July 27: At 7h 1m a.m., l.m.t. I set off 40° 34' on the lat. arc; 19° 3' N. on the decl. arc. and determine a true meridian with the solar, at the cor. of secs. 11, 12, 13, and 14 – Note: Knowing from my last connection that I will not connect within the limits I run East, on a true line bet. secs. 12 and 13. Ascend through brush along side of the mountain sloping S. W.
9.75	Top of spur, bears N. and S.; descend.
15.00	Bottom of hollow, course S.; terminated in larger hollow, about 10.00 chs. dist.
20.25	Top of spur, bears N. 10° E. and S. 10° W.
27.50	Bottom of hollow, 80 ft. below ridge, course S. 10° E., about 40.00 chs. to Bingham Cañon
35.00	Top of spur, bears S. 10° W. and N. 10° E.
39.00	Bottom of hollow, course S. 10° W.
40.00	Set a sand stone, 18 × 8 × 6 ins., 14 ins. in the ground, for 1/4 sec. cor., marked 1/4 on N. face; and raise a mound of stone, 3 ft. base, 3 ft. high, N. of cor. Pits impracticable.
41.05	Top of spur, bears N. E. and S. E.; descend.
61.00	Bottom of hollow, course S. E.; ascend.
65.50	Top of spur, bears S. E. and N. W.; descend.
77.25	Bottom of hollow, 150 ft. below ridge, course S. 10° W.; ascend.
80.30	I intersect E. bdy. of Tp. 2.50 chs. S. of cor. of secs. 7 and 18, 60 ft. above hollow. Set a quartzite stone, 18 × 12 × 10 ins., 12 ins. in the ground, for closing cor. of secs. 12 and 13, marked with 2 grooves on N. and 4 grooves on S., and C. C. on W. faces; and raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor. Pits impracticable. I destroy all marks on cor. of secs. 12, 13, 7 and 18 that pertain to secs. 12 and 13
	Land, rolling mountains.
	Soil, 3rd rate.
	Good grass for grazing.

Chains	
	No timber; Undergrowth oak. Mountainous land, or land covered with dense undergrowth, 80. 30 chs.
	N. 0° 1' W., bet. secs. 11 and 12, parallel to E. bdy. Ascend through scattering oak and mahogany, over broken, stony ground.
40.00	Set a quartzite stone, 14 X 10 X 6 ins., 9 ins. in the ground, for 1/4 sec. cor., marked 1/4 on W. face; from which A mahogany 4 ins. diam., bears E. 15 lks. dist., marked 1/4 S. B. T.
	No tree in sec. 11 convenient to mark. Raise a mound of stones, 3 ft. base, 3 ft. high, W. of cor. Pits impracticable.
40.13	Top of ridge, 600 ft. high, bears N. E. and S. W.; descend abruptly.
52.00	Head of swale, course N. 20° E. and S. 20° W.
77.70	Foot of steep descent.
80.00	Set a sandstone, 14 X 10 X 10 ins., 9 ins. in the ground, for cor. of secs. 1, 2, 11, and 12; marked with 1 notch on E., and 6 notches on S. edges; and raise a mound of stone 2 ft. base, 2 ft. high, W. of cor. This cor. is on side of mountain sloping N. about 100 lks. from bottom of hollow. Land, high mountain ridges. Soil, gravelly; 2nd and 3rd rate. Good grass for grazing. No timber. Dense undergrowth, oak and mahogany. Mountainous land or land covered with dense undergrowth 80.00 chs. July 27: At this cor. obsd. alt. 18° 39' on the decl. arc; and at 0h 3m p.m. observed the sun on the meridian, the resulting lat. is 40° 35'
	East, on a true line between 11 and 12.
9.17	Top of spur, ascend through brush, bears N. and S.
16.25	Bottom of main hollow, 80 ft. below sec. cor.

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

Chains.	
	course S. 80° E.
18.00	Top of spur, bears N. and S.
28.16	Bottom of hollow, course N.
40.00	Set a gray sandstone, 16 X 10 X 6 ins. 11 ins. in the ground, for 1/4 sec. cor., marked 1/4 on N. face; and raise a mound of stone, 2 ft. base, 2 ft high, N. of cor. Pits impracticable
48.50	Top of spur, bears N. E. and S. W.
68.00	Hollow, course N. E.
70.00	Top of spur, bears N. E. and S. W.
80.00	Intersect E. bdy. of T. 2 S. 2.75 chs. S. of cor. of secs. 36, 7 and 12, which is a gray sandstone, 10 X 9 X 6 ins. above ground, marked and witnessed as described by the surveyor general. I set a sandstone, 15 X 10 X 6 ins., 10 ins. in the ground, for closing cor. of secs. 1 and 12, marked with 1 groove on N., 6 grooves on S. and C. C. on W. faces; and raise a mound of stone, 2 ft. base, 2 ft. high, W. of cor. I destroy marks on old cor. pertaining to secs. 1 & 12

Land, mountain ridges
Soil, loam and gravelly; 1st and 2nd rate.
Good grass for grazing.
Dense undergrowth, oak and pinon berry.
No timber.
Mountainous land, or land covered with dense undergrowth, 80.00 chs.

July 27, 1896.

July 28: At 7 h. a.m., t. m. t. I set of 40° 33' on the lat. arc; 18° 49' W. on the decl. arc, and determine a true meridian with the solar at the cor. of secs. 1, 2, 11, and 12. Thence I run N. 0° 1' W., on a random line bet. secs. 1 & 2.

40.00	Set temp. 1/4 sec. cor.
83.00	Intersect S. bdy. of T. 2 S., R. 3 W. 3.60 chs. E. of cor. of secs. 35 and 36. Set a sandstone, 20 X 10 X 6 ins., 6 ins. in the ground, for closing cor. of secs. 1 and 2, marked with 1 groove on E., 3 grooves on W. and C. C. on S. faces; and raise a mound of stone, 2 ft. base, 2 ft. high

Subdivision of T. 3 S. R. 3 W. – Continued.

Chains.	
	S. of cor. Pite impracticable. I destroy the marks on the cor. of secs. 1, 2, 35 and 36 that pertain to secs 1 and 2. Thence I run S. 0° 1' E. on a true line bet. secs. 1 and 2.
4.50	Bottom of hollow, course S. E.; enter brush.
8.65	Top of low ridge, bears S. E. and N. W.; descend abruptly.
13.50	Foot of descent, bears E. and W. Edge of flat in Barneys Canon.
15.25	Road in Barneys Canon leading from Taylorsville to head of Canon, bears N. 83° E. and S. 83° W.
16.65	Leave flat, begin steep ascent
29.00	Top of ridge, 200 ft. above Barneys Canon, bears E. and W.; descend.
37.25	Bottom of hollow, 20 ft. below ridge, course E.; ascend.
43.00	Set a sandstone, 16 X 10 X 4 ins., 9 ins. in the ground, for 1/4 sec. cor., marked 1/4 on W. face; and raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor. Pite impracticable.
46.80	Top of spur of ridge, bears N. 50° 30' E. and S. 30° 30' W.
48.25	Bottom of swale, course N. 55° E.
56.50	Top of spur of ridge, bears N. 55° E. and S. 55° W.
82.00	Bottom of hollow, course E.
83.00	The cor. to secs. 1, 2, 11, and 12. Land, mountainous. Soil, loam and gravelly; 2nd rate. Good grass for grazing. Undergrowth, dense oak brush & timber. Mountainous land or land covered with dense undergrowth 83.00 chs.

From cor. of secs. 10, 11, 14, and 15, bears for ascribed,

I run

Subdivision of T. 3. S. R. 3. W. – Continued.

Chains.	
	N. 0° 2' W. bet. secs. 10 and 11.; descend.
	Enter scattering mahogany.
20. 00	A spring bears 10 chs. W. good water.
35. 00	Bottom of hollow, course N. 20° E.
37. 50	Sharp ridge. bears N. 20° E. and S. 20° W.; descend.
40. 00	Set a sandstone 16 x 14 x 4 ins., 11 ins. in the ground, for 1/4 sec. cor., marked 1/4 on W. face; from which
	A mahogany 12 ins. diam., bears S. 50° E., 3-0 lks. dist., marked 1/4 S. B. T.
	A mahogany 8 ins. diam., bears S. 10° W., 31 lks. dist., marked 1/4 S. B. T.
42. 00	Drag-road, bears N. 10° E. and S. 10° W.
46. 50	Foot of mountain, about 1. 5-00 ft below top of mountain. enter Dry Fork. bears S. E. and N. W.
51. 00	Wash in Dry Fork, course S. E.
51. 50	Road leading from Bingham to head of Dry Fork, bears W. and S. E.
52. 50	Leave canon; ascend steep rocky ridge.
77. 50	Top of spur, 5-00 ft. above canon, bears S. 5° E. and N. 5° W.
80. 00	Set a quartzite stone 14 x 12 x 5 ins., 9 ins. in the ground, for cor. of secs. 2, 3, 10, and 11; marked with 5 notches on S. and 2 notches on E. edges., and raise a mound of stone 2 ft. base, 2 ft. high, W. of cor. Pits impracticable.
	Land, high mountains.
	Soil, 2nd and 3rd rate.
	Good grass for grazing
	Oak, service-berry, and mahogany.
	Timber, scattering mahogany
	Mountainous land or land covered with dense undergrowth 80. 00 chs. July 28: At this cor. I set off 15° 45' N. on the decl. arc; and at 0h 8m p.m. observe the sun on the Meridian; the resulting Lat. is 40° 35'.
	East, on a random line bet. secs. 2 and 11.
41. 00	Set temp. 1/4 sec. cor.
80. 20	Intersect N. and S. line, 3-0 lks. S. of cor. of secs. 1, 2, 11, and 12.
	Thence I run

Subdivision of T. 3 S. R. 3 W. — Continued

Chains	
	S. 89° 39' W. on a true line bet. secs. 2 and 11. Along side of hill parallel to hollow.
16.00	Enter hollow, course N. 80° E.
15.50	Leave hollow; ascend.
37.50	Top of high ridge, 400 ft. above prc. cor., bears N. 50° E. and S. 80° W.
40.10	Set a quartzite stone 16 X 9 X 5 ins., 11 ins. in the ground, for 1/4 sec. cor., marked 1/4 on N. face; and raise a mound of stone 2 ft. base, 2 ft. high N. of cor. Pits impracticable
52.40	Bottom of hollow, course S. W.
63.00	Top of spur, bears N. and S.
65.25	Bottom of deep gulch, 300 ft. below 1/4 sec. cor., course S.
80.20	The cor. of secs. 2, 3, 10, and 11.
	Land, mountainous.
	Soil, 2nd and 3rd rate.
	Good grass for grazing.
	Oak and mahogany undergrowth.
	No timber.
	mountainous land or land covered with dense undergrowth, 80.00 chs.
	July 28, 1896.

July 29. At 7h 29m a.m. l. m. I set off 40° 35' on the Lat. arc; 18° 35' N. on the ded. arc; and determine a true meridian, with the Solar at the cor. of secs. 2, 3, 10, and 11.

Note. Knowing this line will not intersect the N. bdy. of the Tp. within limits,

I run

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

Descend through brush.

5.10	Bottom of hollow, course S. E.; ascend.
30.25	Ledge of quartz stone, 30 ft. high, bears N. and S.
36.75	Top of mountain, bet. Dry Fork and Bingham Canons, 2000 ft. above Dry Fork, bears N. 80° E. and S. 80° W.; descend.
46.50	Set a quartzite stone, 14 X 10 X 6 ins., 9 ins. in the ground, for 1/4 sec. cor., marked 1/4 on W. face; from which
	A pine, 7 ins. diam., bears S. 9° E. 78

Chains.	
	lks. dist., marked 1/4 S., R. 3 W.
	A red. pine, 5 ins. diam., bears N. 80° W., 33 lks. dist., marked 1/4 S., R. 3 W.
45.75	Bottom of swale, course N. E.
49.00	Top of spur, 200 ft. above Barney's Canon, bears N. E.
66.15	Enter Barney's Canon, bears S. 60° E. and N. 60° W.; ascend.
67.50	Road in Barney's Canon, bears S. 60° E. and N. 60° W.
68.10	Bottom of Barney's Canon, course S. 5° E.; ascend.
74.00	Top of spur, bears S. W. and N. E.
78.00	Swale 30 ft. below ridge course S. W.
83.25	Intersect S. bdy. of T. 2 S., R. 3 W. 5.50 chs. E. of cor. of secs. 34 and 35.
	Set a quartzite stone, 20 x 12 x 6 ins., 15 ins. in the ground, for closing cor. to secs. 2 and 3; marked 2 grooves on E., 4 grooves on W. and C. C. on S. faces; and raise a mound of stone 3 ft. base, 2 ft. high, S. of cor.
	Pits impracticable. I destroy all marks on the cor. of secs. 2, 3, 34 and 35 that pertain to secs. 2 and 3.
	Land mountainous.
	Soil, loam and gravelly; 1st and 3rd rate.
	Good grass for grazing.
	Undergrowth, oak, mahogany and aspen saplings.
	No timber.
	Land mountainous, or land covered with dense undergrowth, 83.25 chs.

	From the cor. of secs. 15, 16, 21 and 22, hereto fore described, I run
	North, bet. secs. 15 and 16.
	Ascend through bark brush.
5.50	Top of spur, bears S. 70° E. and N. 70° W.
15.00	Bottom of main fork of Trumans Gulch, course S. 70° E.; begin ascent.
31.75	Top of divide ridge bet. Trumans Gulch, and Dry Fork, 300 ft. above Trumans Gulch, bears N. 80° E. and S. 80° W.; descend side

Chains.	
	of hill sloping N. W.
40.00	Set a quartzite stone, 14 X 10 X 4 ins. 9 ins. in the ground, for 1/4 sec. cor., marked 1/4 on W. face; dig pits 18 X 18 X 12 ins., N. and S. of cor., 3 ft. dist.; and raise a mound of stone and earth, 3½ ft. base 1½ ft. high W. of cor.
54.56	Bottom of gulch, course N. 40° E.
66.83	Top of spur, bears N. 60° E. and S. 60° W.; descend.
76.00	Bottom of wash in hollow, 6 ft. deep, 20 lks. wide, course N. 40° E.
80.00	Set a conglomerate stone, 12 X 10 X 8 ins., 8 ins. in the ground, for cor. of secs. 9, 10, 15, and 16, marked with 4 notches on S., and 3 on E. edges, from which
	A red pine, 5 ins. diam., bears S. 4° 30' E. 117 lks. dist., marked T. 3 S., R. 3 W. S. 15., B. T.
	A aspen, 3 ins. diam., bears S. 81° 30' W., 64 lks. dist., marked T. 3 S., R. 3 W., S. 16., B. T.; and raise a mound of stone, 2 ft. base, 2 ft. high, W. of cor. Pits impracticable.
	This cor. is on the side of hill facing S. E. 20 ft. above hollow.
	Land, mountainous.
	Soil, loam and gravel, 1st and 3rd rate.
	Good grass for grazing.
	Lark and oak underbrush.
	Timber, scattering pine and aspen.
	Mountainous land, or land covered with dense undergrowth, 80.00 chs.

	N. 89° 55' E., on a random line bet. secs. 10 and 15.
41.00	Set a temp. 1/4 sec. cor.
80.00	Intersect N. and S. line, 17 lks. S. of cor. of secs. 10, 11, 14, and 15.
	Thence I run
	S. 89° 47' W., on a true line bet. secs. 10 and 15.;
	descend.
1.00	Drag road on top of ridge, bears N. 20° E. and

Subdivision of T. 3 S. R. 3 W. – Continued.

Chains.	
	S. 20° W.; descend.
3.50	Enter small scattering pines.
11.40	Bottom of swale, course N. 20° W., 60 ft. below ridge.
14.90	Drag road on spur of ridge, bears N. 20° W. and S. 20° E., 5 ft. above swale.
19.00	Bottom of hollow, course N. 30 ft. below ridge.
	Leave young pines.
29.00	Top of ridge, bears N. and S. 150 ft. above hollow.
	Enter dense mahogany.
34.75	Leave mahogany, bears N. and S., in hollow.
35.00	Top of spur, bears N. 20° E. and S. 20° W. 200 ft. high.
40.00	Set a granite stone, 14 x 10 x 5 ins., 9 ins. in the ground, for 1/4 sec. cor., marked 1/4 on W. face, from which
	A mahogany, 3 ins. diam., bears S. 62° W., 65 lks. dist., marked 1/4 S. B. T.
	Dig a pit 18 x 18 x 12 ins. E. of cor.; and raise a mound of earth, 2½ ft. base, 1½ ft. high, N. of cor.
50.70	Bottom of hollow, course N. 15° E. 300 ft. below ridge.
58.00	Top of spur, bears N. 20° E. and S. 20° W. 210 ft. high.
65.50	Enter bottom of cañon, course N. 20° E. 250 ft. deep.
66.50	Wash in cañon, course N. 15° E. 11 ft. deep, 20 ft. wide.
80.00	The cor. of secs. 9, 10, 15, and 16.
	Land, mountainous.
	Soil, loam and stony; 2nd and 3rd rate.
	Good grass for grazing.
	Timber, small pine; undergrowth, mahogany.
	Mountainous land, or land covered with dense undergrowth 80.00 chs. July 29: At this cor. I set off 18° 32' N. on the decl. arc, and at 0h 9m p. m., observe the sun on the Meridian, the resulting lat. is 40° 5' 4".
	North, bet. secs. 9 and 10.
	Ascend through oak brush.
	Enter scattering pine timber.
10.00	Top of ridge, bears N. 64° E. and S. 66° W.
20.70	Bottom of hollow, course N. 70° E.
36.00	Top of spur, bears N. 62° E. and S. 62° W.
37.80	Bottom of ravine, course N. 70° E.
40.00	Set a yellow sandstone, 16 x 10 x 5 ins., 9 ins.

Subdivision of T. 3 S. R. 3 W. — Continued

Chains	
	in the ground, for ¼ sec. cor., marked ¼ on W. face; from which
	A black baloon, 7 ins. diam., bears S. 62° E., 78 lks. dist., marked ¼ S. R3. T.
	A red pine, 12 ins. diam., bears S. 38° W., 88 lks. dist., marked ¼ S. R3. T.
	This cor. is on the S. E. slope of ridge, 60 ft. above hollow.
41.80	Top of spur, bears E. and W.
48.30	Bottom of hollow, course S. 70° E.
58.00	Top of spur, bears N. 70° E. and S. 75° W.
63.00	Bottom of swale, course E.
66.00	Top of spur, 30 ft. above hollow, bears E. and W.
72.50	Bottom of swale, course E.
77.50	A white sandstone cliff, 20 ft. high 5.0 lks. N., bears E. 1.00 ch. dist.
80.00	Set a yellow sandstone, 15 X 10 X 8 ins., 12 ins. in the ground, for cor. of secs. 3, 4, 9, and 10, marked with 3 notches on S., and 3 notches on E. edges; dug pits, 18 X 18 X 12 ins., in each sec., 4 ft. dist.; and raised a mound of earth, 4 ft. base, 2 ft. high, W. of cor.
	Land, mountainous.
	Soil, gravelly; 3rd rate.
	Good grass for grazing; Timber, scattering pine; undergrowth, oak.
	Mountainous land or land covered with dense undergrowth, 80.00 chs.
	N. 89° 47' E., on a random line bet. secs. 3 and 10.
40.00	Set temp. ¼ sec. cor.
79.50	Intersect N. and S. line, 7 lks. S. of cor. of secs. 2, 3, 10, and 11.
	Thence I run
	S. 89° 47' W., on a true line bet. secs. 3 and 10.
	Ascend through brush.
2.50	Top of ridge, 40 ft. above cor., bears S. E. and N. W.
8.50	Bottom of swale, course S. E.
13.25	Top of ridge, bears S. E. and N. W.
26.00	Bottom of hollow, course S.
29.00	Top of spur, bears N. and S.

Subdivision of T 3 S. R. 3 W. Continued.

Chains.	
30.00	Bottom of large hollow, a branch of Dry Fork, course S. E.
39.90	Set a blue lime stone, 16 X 10 X 8 ins., 11 ins. in the ground, for 1/4 sec. cor.; marked 1/4 on N. face; and raise a mound of stone, 2 ft. base, 2 ft. high, N. of cor. Pits impracticable.
48.00	Top of spur, 600 ft above hollow, bears S. 20° E. and N. 20° W.
65.00	Bottom of swale, course S. 10° E.
70.00	Top of spur, bears S. 15° E. and N. 15° W
79.50	Bottom of swale, in the head of Dry Fork, course S. E.
79.80	The cor of secs. 3, 4, 9, and 10.
	Land, high rolling ridges and hollows.
	Soil, loam and stony; 2nd and 3rd rate.
	Good grass for grazing.
	Undergrowth, oak and larb.
	No timber
	Mountainous land or land covered with dense undergrowth, 79.80 chs.
	July 29, 1896.

July 30: At 7h 0m a.m., l.m. t. I set off 40° 35' on the lat. arc; 18° 20' N. on the decl. arc; and determine a true meridian with the solar, at the cor. of secs. 3, 4, 9, and 10.
Note: Knowing from former intersections that this line will not intersect the N. bdy. within limits, I run
North , on a true line bet. secs. 3 and 4.
Descend through brush.

1.25	Bottom of swale, course S. 20° E.
26.00	Top of ridge, divide between Tooele and Salt Lake Counties, which is also at this point divide between Dry Fork and Pass Cañons, bears S. 30° W. and N. 20° E.; descend along W. slope of mountain.
40.00	Set a limestone, 18 X 12 X 8 ins., 14 ins. in the ground, for 1/4 sec. cor., marked 1/4 on W. face, and raise a mound of stone, 3 ft. base, 3 ft. high, W. of cor. Pits impracticable. This cor. is about 50 lks. W. of top of divide

Subdivision of T. 3 S. R. 3 W. — Continued.

Chains above named, on a bare ridge.
45.00 Top of divide, between Pass Canon and Barnes Canons. Thence along top of ridge
49.00 To lowest point in saddle on divide ridge bet. Barnes and Pass Canons.
56.75 Top of spur of ridge, bears S. E. and N. W.
73.00 Intersect S. bdy. of T. 2 S., R. 3 W., 5.40 chs. E. of cor. of secs. 33 and 34.
Set a blue limestone, 20 x 12 x 7 ins., 15 ins. in the ground, for closing cor. of secs. 3 and 4, marked with 3 grooves on E., 3 grooves on W., and C. C. on S. faces; and base a mound of stone, 3 ft. base, 3 ft. high, S. of cor. Pits impracticable. Destroy all marks on the cor. of secs. 3, 4, 33 and 34 that pertain to secs. 3 and 4.
Land mountainous.
Soil, loam and gravelly; 2nd and 3rd rate.
Good grass for grazing.
No timber; Undergrowth oak and maple.
Mountainous land, or land covered with dense undergrowth, 73.00 chs.

From the cor. of secs. 4, 5, 32, and 33, on S. bdy. of the T. heretofore described, I run
N. 0° 1' W., bet secs. 32 and 33.
Ascend through dense undergrowth.
36.20 Top of divide, bet left hand fork of Middle Canon and Pine Canon, bears N. 65° W. and S. 65° E., 4.00 ft. below the cor.
35.00 To two pine timber, bears N. W. and S. E.
41.00 Set a quartzite stone, 12 x 12 x 5 ins., 8 ins. in the ground, for 1/4 sec. cor., marked 1/4 on W. face; from which
A pine, 16 ins. diam., bears S. 67° W., 21 lks. dist., marked 1/4 S. T3 T.
A pine, 8 ins. diam., bears S. 12° E. 20 lks. dist., marked 1/4 S. T3 T.
60.00 Bottom of right hand fork of Pine Canon, course N. 10° E.; begin gradual descent along side of hill sloping E. to a low ridge

Subdivision of T. 3 S., R. 3 W. — Continued

Chains.	
80.00	Set a limestone, 16 X 10 X 6 ins., 11 ins. in the ground, for cor. of secs. 28, 29, 32, and 33, marked with 1 notch on S., and 4 notched on E. edges; and raise a mound of stone, 2 ft. base, 2 ft. high, W. of cor. Pits impracticable. This cor. is on side of hill sloping E., 100 ft. above cañon.
	Land, mountainous.
	Soil, loam and gravelly; 1st and 3rd rate.
	Good grass for grazing.
	Timber pine; undergrowth, oak, service-berry and wild-rose.
	Mountainous and heavily timbered land, or land covered with dense undergrowth 80.00 chs.
	July 30. At this cor. I set off 18° 16' E. on the decl. arc, and at 0h 3m p. m. l. m. t. observe the sun on the meridian; the resulting lat. is 40° 31'.
	East on a random line bet. secs. 28 and 33.
40.00	Set temp. 1/4 sec. cor.
80.30	Intersect N. and S. line, 33 lks. S. of cor. of secs. 27, 28, 33 and 34.
	Thence I run
	S. 89° 46' W. on a true line bet. secs. 28 and 33.; descend through dense undergrowth
2.14	Bottom of gulch, 30 ft. below sec. cor., course N. 10° E.
12.25	Top of divide ridge bet. Toole and Salt Lake Counties, bears N. 5° W. and S. 3° E. 500 ft. above cor.
17.85	Trail, leading from Bingham to Pine Cañon, bears N. 31° W. and S. 31° E.
20.75	Enter aspen saplings, bears N. and S.
24.65	Bottom of hollow, course N. 45° W. 500 ft. below ridge
33.10	Leave aspen saplings, bears N. and S.
33.10	Top of spur, bears N. W. and S. E. 60 ft. above hollow.
38.75	Bottom of gulch, course N. 200 ft. below ridge.
40.15	Set a quartzite stone, 18 X 8 X 6 ins., 12 ins. in the ground, for 1/4 sec. cor., marked 1/4 on N. face; and raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.

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

Chains	
	Pits impracticable.
	This cor. is on side of hill sloping N. & S. 80 ft. above gulch.
42.80	Top of spur, bears N. and S. 40 ft. above cor.
47.00	Enter aspen saplings, bears N. and S.
49.50	Leave aspen, bears N. 10° E. and S. 10° W.
52.60	Bottom of hollow, course N. 5° W. 300 ft. below ridge.
56.00	Top of spur, bears N. and S. 40 ft. above hollow.
58.00	Bottom of swale, course N. 80 ft. below ridge.
64.70	Top of spur, bears N. and S. 30 ft. above hollow.
72.40	Bottom of hollow, course N. 200 ft. below ridge.
73.25	Top of low ridge, bears N. and S. 30 ft. below hollow.
74.00	Bottom of right hand fork of Pine Canon, course N. 20° E.; ascend. 40 ft. below ridge.
80.30	The cor. of secs. 28, 29, 32, and 33.
	Land, mountainous.
	Soil, gravelly; 3rd rate.
	Good grass for grazing.
	Timber young aspen; undergrowth, lamb and wild-rose.
	Mountainous or heavily timbered land or land covered with dense undergrowth 80.30 chs.
	July 30, 1896

July 31; At 9h 39m a. m. l. m. t., I set off 40° 31' on the lat. arc; 18° 4' W. 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

	N. 1° 1' W. on a random line bet. secs. 28 & 29.
40.00	Set a temp. 1/4 sec. cor.
80.20	Intersect E. and W. line 17.00 chs. N. 89° 45' E. of cor. of secs. 28 and 21, which is a quartz dike stone, 5 X 11 X 5 ins., above ground, marked and witnessed as described by the surveyor general. Set a blue limestone, 15 X 10 X 6 ins., 11 ins. in the ground, for closing cor. of secs. 28 and 29, marked with 2 grooves and C. C. on S., and 4 grooves on E. faces; and raise a mound of stone, 3 ft. base, 2 ft. high, S. of cor. Destroy all mounds on the cor. of secs 20, 21, 28 and 29 that pertain to secs. 28 and 29
	Pits impracticable.
	Thence I run

Subdivision of T. 3 S., R. 3 W. — Continued.

Chains	
	S. 0° 1' E., on a true line bet. secs. 28 and 29.
	Descend through scattering pine timber.
4.00	Enter pine cañon, course N. 30° W. 100 ft. below cor.
4.50	Drag road in Pine cañon, bears N. 30° W., and S. 30° E.
6.25	Wash in Pine Cañon, course N. 30° W.
8.00	Leave Pine Cañon; ascend.
25.00	Top of small ridge, bears N. 30° E., and S. 30° W. 200 ft. above cañon.
30.20	Bottom of hollow, course N. 30° E. 60 ft. below ridge.
37.00	A miners cabin in Pine Cañon, bears E. 10.00 chs. dist.
39.90	To ledge of rock 18 ft. high, bears E. and W.
40.20	Set a quartzite stone, 18 x 8 x 6 ins., 12 ins. in the ground, for 1/4 sec. cor., marked 1/4 on W. face; and raise a mound of stone 2½ ft. base, 2 ft. high, W. of cor. Pits impracticable.
46.00	Top of ridge, bears N. 30° E. and S. 30° W.
53.65	A pine, 16 ins. diam., on line, Smack with 2 notches on N. and S. sides.
62.50	Bottom of hollow, course N. 45° E. 50 ft. below ridge.
80.20	The cor. of secs. 28, 29, 32, and 33.
	Land, mountainous.
	Soil, 2nd and 3rd rate.
	Good grass for grazing.
	Timber, pine.
	Mountainous or heavily timbered land 80.20 chs.
	From the cor. of secs. 5, 6, 31, and 32 on S. bdy. of T., heretofore described I run
	N. 0° 2' W. between secs. 31 and 32.
	Ascend through oak brush.
.50	Top of low spur, 2 ft. above cor., bears E. and W.
5.00	Bottom of hollow, 30 ft. below ridge, course E.
10.00	Top of spur, bears E. and W.; descend.
12.50	Bottom of hollow, 40 ft. below ridge, course S. 65° E.; ascend.
18.30	Top of spur, 150 ft. above hollow, bears S. 65° E. and N. 65° W.; descend.
20.50	Bottom of hollow, 60 ft. below ridge, course S. 50° E.

Subdivision of T. 3 S., R. 3 W.—Continued.

Chains	
40.00	Set a sandstone, 20 x 8 x 4 ins., 15 ins. in the ground, for 1/4 sec. cor., marked 1/4 in W. face; from which A mahogany, 4 ins. diam., bears N. 80° W.; 80 lks. dist., marked 1/4 S. B. T. No tree in sec. 32 convenient to mark. Raise a mound of stone, 2 ft. base, 2 ft. high, W. of cor. Pits impracticable.
43.75	Top of mountain, divide bet. Middle Cañon and Pine Cañon, 18 00 ft. above Middle Cañon, bears N. 85° E. and S. 85° W.; descend.
48.30	Enter pine and aspen timber, bears N. 80° E. and S. 80° W.
48.75	An aspen, 8 ins. diam., on line, I mark with 2 notches on N. and S. sides.
59.00	A spring of good water bears 1.00 ch. W. course N.
60.00	Bottom of gulch, about 300 ft. below top of mountain, course N. E.
68.00	Top of spur, 20 ft. above gulch, bears N. E. and S. W.
69.20	Swale, 60 ft. below ridge, course N. E.
78.30	Top of spur, 30 ft. above hollow, bears N. E.
80.00	Set a quartzite stone, 20 x 10 x 8 ins., 15 ins. in the ground, for cor. of secs. 29, 30, 31 and 32, marked with 1 notch on S., and 3 notches on E. edges; from which A pine, 18 ins. diam. bears S. 88° E. 17 lks. dist., marked T. 3 S., R. 3 W., S. 32, B. T. No other tree within limit. Raise a mound of stone 2 ft. base, 1½ ft. high, W. of cor. Pits impracticable. Land, mountainous. Soil, 1st and 3rd rate. Good grass for grazing. Timber, pine and aspen; undergrowth, oak, service—berry and barb. Mountainous or heavily timbered land, or land covered with dense undergrowth, 80.00 chs. July 31, 1896.

C .7: the sky is overcast and solar observations are impossible.

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

Chains.	
	East on a random line bet. secs. 29 and 32.
40.00	Set a temp. 1/4 sec. cor.
50.24	Intersect N. and S. line, 25 lks. S. of cor. of secs. 28, 29, 32, and 33.
	Thence I run
	S. 89° 49' W., on a true line bet. sec. 29 and 32
5.50	Top of ridge, 100 ft. above sec. cor., bears N. 30° E. and S. 30° W.
11.40	Bottom of hollow, 100 ft. below ridge, course N. 30° E.
12.25	Enter scattering pine timber.
23.25	Top of divide ridge bet. Pine Cañon and Spring Cañon, about 1000 ft. above Pine Cañon, bears N. and S.
37.00	Bottom of hollow, 300 ft. below ridge, course N. 30° W.
40.12	Set a quartzite stone, 20 x 12 x 6 ins., 15 ins. in the ground, for 1/4 sec. cor., marked 1/4 on N. face, from which
	A pine, 6 ins. diam., bears N. 75° E., 10 lks. dist., marked 1/4 B. T.
	A pine, 12 ins. diam., bears S. 80° W. 23 lks. dist., marked 1/4 B. T.
45.00	Top of spur, 200 ft. above hollow, bears N. 45° W. and S. 45° E.
55.00	Bottom of cañon, 400 ft. below ridge, course N.; ascend.
61.50	Top of ridge, 80 ft. above hollow, N. 81° E. and S. 30° W. Dense pine timber.
65.20	Bottom of gulch, 80 ft. below ridge, course N. 45° E.; ascend.
74.75	A pine, 6 ins. diam., on line, I mark with 2 notches on E. and W. sides.
77.75	Top of long ridge, 350 ft. above hollow, bears N. 45° E. and S. 45° W.
80.24	The cor. of secs. 29, 30, 31 and 32.
	Land, mountainous.
	Soil, loam and gravelly; 2nd rate.
	Good grass for grazing.
	Timber, pine.
	Mountainous or heavily timbered land, 80.24 chs.

Chains	
	West, on a random line bet. secs. 30 and 31.
40.00	Set temp. 1/4 sec. cor.
97.50	Intersect W. bdy. of T. 40 lks. S. of the cor. of secs. 25, 30, 31 and 36. Described in notes of W. bdy.
	Thence I run
	S. 89° 46' E., on a true line bet. secs. 30 and 31.
21.00	Top of spur, 200 ft. above cor. bears N. 60° W. and S.
25.00	Bottom of hollow, 300 ft. below cor. course N.
	Enter pine timber
30.00	Top of spur, about 300 ft. above hollow, bears N. 20° W. and S. 20° E.
42.50	Bottom of gulch, 250 ft. below ridge, course N. 30° E.
46.00	Top of ridge: bears N. 20° E. and S. 20° W.
53.40	Bottom of canon, course N. 15° W.: ascend.
57.50	Set a quartzite stone, 20 X 10 X 3 ins., 15 ins. in the ground, for 1/4 sec. cor., marked 1/4 on N. face; from which
	A pine, 8 ins. diam., bears S. 89° W. 18 lks. dist., marked 1/4 S. B. T.
	A pine, 10 ins. diam., bears N. 65° E., 15 lks. dist., marked 1/4 S. B. T.
63.50	Leave pine timber.
74.70	Top of ridge, 300 ft. above hollow, bears N. and S.
97.50	The cor. of secs. 29, 30, 31, and 32
	Land, mountainous
	Soil, gravelly loam; 2nd rate.
	Good grass for grazing.
	Timber, pine.
	Mountainous, or heavily timbered land 97.50 chs.
	At the noon hour the sky is overcast and solar observations impossible.
	N. 0° 2' W., on a random line bet. secs. 29 & 30.
40.00	Set a temp. 1/4 sec. cor.
80.35	Intersect E. and W. line, 17.00 chs. E. of the cor. of secs. 19 and 20.
	Set a quartzite stone, 16 X 10 X 3 ins., 11 ins. in the ground, for closing cor. of secs. 29 and 30, marked with 2 grooves, and C. C. on S., and 3 grooves on E. faces;

Subdivision of T. 3 S., R. 3. W. – Continued.

Chains.	
	and raise a mound of stone, 2 ft. base, 2 ft. high, S. of cor. Pits impracticable. I destroy all bracks on the cor. of secs. 19, 20 29 and 30 that pertain to secs. 29 and 30
	Thence I run
	S. 0° 2' E., on a true line bet. secs. 29 and 30.
	Descend.
3.10	Bottom of swale, course E.
6.50	Top of spur, bears E. and W.
15.10	Bottom of hollow, 100 ft. below ridge, course E.
23.25	Top of slate ridge, bears E. and W.
27.30	Bottom of swale, course E.
35.35	Top of spur, 300 ft. above hollow, bears E. and W.
38.80	Bottom of hollow, 30 ft. below ridge, course E.
40.35	Set a quartzite stone, 18 × 6 × 5 ins., 12 ins. in the ground, for 1/4 sec. cor. from which
	A balsam, 6 ins. diam., bears S. 56° E., 30 lks. dist., marked 1/4 S. B. T.
	A balsam, 4 ins. diam. bears S. 76° W., 35 lks. dist. marked 1/4 S. B. T.
43.60	Top of ridge, 50 ft. above 1/4 sec. cor., bears N. 75° E., and S. 75° W.
48.25	Bottom of hollow, 60 ft. below ridge, course N. 75° E.; ascend.
51.35	Top of sharp spur, 100 ft. above hollow, bears N. 80° E.; descend.
58.85	Bottom of deep gulch, 30 ft. below ridge, course E.; ascend.
61.30	Top of spur, 200 ft. above gulch, bears E. and W.; descend.
68.80	Deep ravine 30 ft. below ridge, course N. 80° E.
80.35	The cor. of secs. 29, 30, 31, and 32, 400 ft. above ravine.
	Land, mountainous
	Soil, gravelly; 2nd rate.
	Good grass for grazing
	Undergrowth, oak, and service-berry.
	Timber, pine and aspen
	Mountainous or heavily timbered land or land covered with dense undergrowth
	80.35 chs.

Subdivision of T. 3 S., R. 3 W. — Contin

Chains	From the cor. of secs. 21, 22, 27 and 28, described heretofore I run
	S. 89° 46' W. on a random line bet. secs. 21 and 28.
40.00	Set a temp. 1/4 sec. cor.
97.00	Intersect N. and S. line, 3 lks. N. of the cor. of secs. 20 and 21.
	Thence I run
	N. 89° 45' E., on a true line bet. secs. 21 and 28.
	Descend over hollows and ridges, through scattering pine timber, service-berry, oak.
4.50	Top of spur, 50 ft. above hollow, bears N. 10° E. and S. 10° W.
15.50	Bottom of Pine Canon, 200 ft. below sec. cor., course N. 30° W.
17.00	Intersect closing corner of secs. 28 and 29.
18.50	Leave Pine Canon; ascend.
25.00	Leave pine timber.
43.10	Top of spur, bears S. W. and N. E.
47.10	Swale, 50 ft. below ridge, course S. W.
57.00	The point for 1/4 sec. cor. falls on top of stationary ledge of limestone, 2 x 2 x 2 ft. above ground, I mark with + at point for cor., and 1/4 on N. face; and raise a mound of stone, 3 ft. base, 3 ft. high, N. of cor. Pits impracticable.
75.90	Top of divide ridge bet. Pole Cañon and Markham Gulch, also divide bet. Salt Lake and Tooele Counties, bears N. and S. 1800 ft. above cañon
97.00	The cor. of secs. 21, 22, 27, and 28.
	Land, mountainous
	Soil, gravelly loam, 3rd rate.
	Good grass for grazing.
	Undergrowth, oak, larb and service berry
	Timber, pine.
	Mountainous or heavily timbered land or land covered with dense undergrowth 97.00 chs
	August 1, 1896.

August 4. At 7h 30m a. m. l. m. t. I set off 40° 33' on the lat. arc; 17° 2' N. on the decl. arc, and determine a true meridian with the solar at the cor. of secs. 15, 16, 21 and 22.

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

Chains	
	From this Cor. of secs. 15, 16, 21 and 22. I run S. 89° 45' W. on the random line bet. secs. 16 and 21
40.00	Set a temp'y ¼ sec. cor.
96.50	Intersect N. and S. line 170 lks. E. of the N. E. cor. of sec. 20 which is a sand stone 5 x 10 x 6 ins., above ground marked and witnessed as described by the Surveyor general
	Set a sandstone 18 x 10 x 3 ins. 12 ins. in the ground for the N. W. cor. of sec. 21., marked with 3 notches on S. 4 notches on E. edges; from which
	A mahogany 10 ins. diam. bears S. 60° E. 15 lks. dist. marked T. 3 S. R. 3 W. S. 21. B. T.
	I raise a mound of stone 2 ft. base, 1½ ft. high S. E. of cor.; I destroy all marks on the cor. of secs. 16, 17, 20 and 21 that pertain to secs. 16, 17 & 21. Thence I run W. 89° 45' E. on a true line bet. secs. 16 and 21
	X Ascend through mahogany and oak brush
56.50	Set a quartzite stone, 16 x 10 x 7 ins., 9 ins. in the ground, for ¼ sec. Cor. ¼ on N. face, and raise a mound of stone, 2 ft. base 2 ft. high N. of cor. Pits impracticable
83.47	Top of divide ridge bet. Salt Lake and Tooele Counties, bears N. 12° W. and S. 12° E. 1000 ft above sec. cor.; descend through brush.
96.50	The cor. of secs. 15, 16, 21 and 22, 300 ft. below divide ridge
	Land mountainous
	Soil gravelly loam 2nd rate
	Mahogany and Oak brush
	No timber
	Mountainous land or land covered with dense undergrowth 96.50 chs.
	Aug. 4: At this cor. I set off 16° 59' N. on the decl. arc., and at 0h. 8m. P.M. L. M. L. observed the sun on the meridian; the resulting Lat. is 40° 33'

From the cor. of secs. 9, 10, 15 and 16. I run

Chains	
	S. 89°45' W. on a true line bet. secs. 9 and 16
	Ascend through oak brush
27.50	Top of divide ridge, bet. Salt Lake and Tooele Counties 300 ft. above cor., bears N. 12° E. and S. 12° W.
	descend leave oak brush
35.00	Enter mahogany, bears N. 30° W. and S. 30° E.
40.00	Set a quartzite stone 14 X 12 X 4 ins. 9 ins. in the ground for 1/4 sec. cor., marked + on N. face from which
	A mahogany 7 ins. diam. bears S. 74° W., 20 lks. dist. marked 1/4 S. B. T.
	A mahogany 6 ins., diam. bears N. 12° E. 46 lks. dist., marked + S. B. T.
42.00	Leave mahogany, enter oak brush
73.50	Bottom of Leavitt's Canon 1500 ft. below divide ridge Course N. 70° W.
80.00	Set a quartzite stone 14 X 10 X 4 ins., 9 ins. in the ground for the cor. of secs. 8, 9, 16 and 17, marked with 4 notches on S. and 4 notches on E. edges; from which
	A mahogany 3 ins. diam., bears N. 85° E. 15 lks. dist., marked T. 3 S. R 3 W. S. 9 B. T.
	An aspen 5 ins. diam. bears N. 35° 35' W. 160 lks. dist marked T. 3 S. R. 3 W. S. 8 B. T.
	no other tree convenient to mark; piled a mound of stone 2 ft. base 2 ft. high W. of cor.
	Pits impracticable.
	Land mountainous
	Soil, gravelly loam 2nd rate
	Good grass for grazing
	Timber — mahogany; undergrowth oak
	Mountainous or heavily timbered land or land covered with dense undergrowth 80.00 Chs.

	S. 0° 1' E. on a true line bet. secs. 16 and 17
2.75	Top of low ridge, bears N. 80° W. and S. 80° E. 130 ft. above Leavitts Canon
4.90	Bottom of N. branch of Pinenut Canon

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

Chains	
	30 ft. below ridge, course S. W.; ascend.
10.00	Top of ridge bet. NE and SW forks of Swenson's Cañon, 80 ft. above cañon, bears S. 60° W. and N. 60° E., descend.
15.00	South branch of Swenson's Cañon, 70 ft. below ridge, course W.; ascend.
22.50	Top of divide ridge bet Bear Hollow and Swenson's Cañon, 150 ft. above cañon, bears E. and W.
28.75	Bottom of Bear Hollow, 200 ft. below ridge, course S. 70° W.; ascend
34.75	Trail on top of ridge, 100 ft. above hollow, bears N. 70° E. and S. 70° W.; descend.
40.00	Set a quartzite stone, 24 x 12 x 8 ins., 16 ins. in the ground, for 1/4 sec. cor., marked 1/4 on W. face; and raise a mound of stone, 2 ft. base, 2 ft. high, W. of cor. Site impracticable.
42.15	Bottom of hollow, 60 ft above cañon, course W. ascend.
50.00	Top of rocky ridge, 60 ft. above hollow, bears S. 77° W. and N. 77° E., descend.
63.25	Bottom of sharp hollow, 300 ft. below ridge, course S. 77° W.; ascend.
64.00	Top of low spur, 30 ft. above hollow, bears ... W. and ... E.
64.25	descend.
64.50	Wagon road in Pole Cañon, bears E. and W.
64.60	Foot of steep descent into Pole Cañon, 300 ft. below ridge, course W.
74.50	Top of spur, 210 ft. above cañon, descend.
80.00	Intersect N. bdy. sec. 21 16.50 chs N. 89° 45' E. from the N. W. cor. of sec. 21
	Set a sand stone, 18 x 16 x 4 ins., 12 ins. in the ground, for closing cor. of secs. 16 and 21, marked with 3 grooves on S., 4 grooves on E., and C. C. on N. faces, and raise a mound of stone, 2½ ft. base, 2 ft. high, N. of cor. Site impracticable.
	Land, mountainous.
	Soil, loam and gravelly; 1st and 3rd rate.
	Good grass for grazing.
	Underbrush, oak and manzanita.

Subdivision of T. 3 S. R. 3 W. – Continued.

Chc . No timber
Mountainous land or land covered with dense undergrowth, 80. 00 chs.
Aug. 4, 1896.

August 6: At 7h 3m a. m. l. m. A. I set off 46° 34' on the Lat. arc; 16° 30' N. on the Decl. arc; and determine a true meridian with the solar at the cor. of secs. 7, 8, 17, and 18. The cor. of secs. 7. 8. 17. and 18, which is a post, greatly decayed, with a trace of mound almost obliterated. I re-establish it at the same point, as follows,
Set a quartzite stone 16 X 14 X 8 ins., 11 ins. in the ground, for reestablished 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, 3 ft. base, 3 ft. high, W. of cor. Pits impractical.
Note – Running from a random line run for that purpose that this line will not close within limits, and is 96.00 chs. long, I run East on a true line bet. secs. 8 and 17.
Ascend mountain through oak brush.

1. 30 Wash from Scarritt Canon; course N. 80° W. John A. Beamis cabin, bears S. about 4. 00 chs. dist.

19. 50 Top of ridge, 150 ft. above sec. cor., bears N. and S.

26. 50 Spring branch in Scarritt Canon, 3 lks. wide, water, 80 ft. below ridge, course S. 80° W.

31. 00 Find no trace of Foot of Mountain cor.

56. 00 To point 9 00 ft. above sec. cor.
An oak, 5 ins. diam., for 1/4 sec. cor., I mark 1/4 S., on N. side; from which
An oak 5 ins. diam. bears S. 40° W., 15 lks. dist., marked 1/4 S. B. T.
An oak 6 ins. diam., bears N. 20° W., 18 lks. dist., marked 1/4 S. B. T.

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

Chains.	
75.50	Top of ridge, 100 ft. above ¼ sec. cor., bears N. W. and S. E.
80.00	Top of ridge bet. Seavitts and Swensens Cañon, bears S. 75° W. and N. 75° E.
96.00	Intersect N. and S. line 1.40 chs. N. of the W. cor. of secs. 8, 9, 16 & 17, destroy marks on same pertaining to secs 8 and 17. Set a quartzite stone, 18 x 9 x 5 ins., 12 ins. in the ground, for closing cor. of secs. 8 and 17, marked with 4 grooves on S., 4 grooves on E., and C. C. on W. faces; from which A willow, 3 ins. diam. bears S. 48° W., 43 lks. dist., marked C. C., T. 3 S., R. 3 W., S. 17, B. T. A box elder, 3 ins. diam., bears N. 36° W., 135 lks. dist., marked C. C., T. 3 S., R. 3 W., S. 8, B. T.; and raise a mound of stone, 2 ft. base, 2 ft. high, W. of cor. Pits impracticable. Land, mountainous. Soil, gravelly loam; 2nd rate. Good grass for grazing Undergrowth, oak, mahogany and willow. No timber. Mountainous land, or land covered with dense undergrowth 96.00 chs.

N. 0° 1' W. on a true line bet. secs. 8 & 9; descend.

1.40	Intersect closing cor. to secs. 8 and 17.
3.00	Foot of descent, bears N. W. and S. E.
4.00	A spring, bears W. 2.00 chs. dist., good water.
5.00	Bottom of Seavetts Cañon, course N. 70° W.
9.00	Trail leading from spring to top of mountain, bears N. 10° E. and S. 10° W.
17.50	Top of ridge, bears E. and W.
24.90	Bottom of wash in hollow, course S. 70° W.
26.50	A boulder, 5.0 ft. base, 5.0 ft. high, in bottom of hollow, course W.
29.00	Top of spur, bears S. W. and N. E.

Chains	
31.50	Brook, course S. 31° W.
40.12	Set a sandstone, 16 X 9 X 3 ins. in and in the ground, for ¼ sec. cor., marked ¼ on W. face and raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor. Pits impracticable.
45.00	Highest point on ridge, brass E and W.; descend.
52.16	Brook, course N. W.; ascend.
57.50	Top of spur, brass N. W. and S. E.; descend.
76.25	Bottom of gulch, course N. W.; ascend.
79.00	Top of rocky ridge, brass E. and W.; descend.
80.00	Set a quartzite stone, 18 X 12 X 5 ins., 15 ins. in the ground, for the cor. of secs. 4, 3, 5, and 9, marked with 5 notches on S., and 4 notches on E. edges; and raise a mound of stone, 3 ft. base, 2½ ft. high, N. of cor. The cor. is on a ridge sloping W.
	Land, mountainous.
	Soil, gravelly loam; 3rd rate
	Undergrowth, oak.
	No timber.
	Mountainous land or land covered with dense undergrowth to cor. on the August 6: At this cor. I set off 16° 25' on the decl. arc; and at 0h 1m p.m. I met the sun on the meridian: the resulting lat. is 40° 5'.

	N. 57° 45' E. on a random line bet. secs. 4 and 9.
41.00	Set a temp. ¼ sec. cor.
81.50	Intersect N. and S. line at the cor. of secs. 3, 4, 9, and 10.
	Thence I run
	S. 57° 45' W. on a true line bet. secs. 4 and 9.
	Ascend.
912.5	Top of divide ridge bet. Salt Lake and Tooele Counties, brass N. and S.; descend.
40.00	Set a sandstone, 20 X 10 X 4 ins., 10 ins. in the ground, for ¼ sec. cor., marked ¼ on N. face; dig pits 18 X 18 X 12 ins., E. and W. of cor. pit; and raise a mound of stone and earth, 3½ ft. base, 2 ft. high, N. of cor.
	Thence along top of spur, sloping W.

Subdivision of T. 3 S., R 3 W.— Continued.

Chains.	
35.00	Top of ridge, bears N. 35° E. and W.
80.00	The cor. of secs. 4, 5, 8, and 9, 700 ft. below top of mt.
	Land, mountainous.
	Soil, gravelly and rocky; 3rd and 4th rate
	Good grass for grazing.
	No timber.
	Mountainous land 80.00 chs.

Knowing from other connections that my line will not intersect N. bdy. within limits, I run
N. 0° 1' W., on a true line bet. secs. 4 and 5.
Descend through brush.

12.75	Bottom of hollow, 80 ft. below cor., course S. 65° W.
17.00	Top of spur, 60 ft. above hollow, bears S. W. and N. E.; descend.
32.20	Wash in canon, 6 ft. deep, 25 lks. wide, 300 ft. below ridge, course S. 45° W.
35.75	Wood road leading from Pine Canon precinct to head of this canon, bears S. W. and N. E.; ascend mountain.
40.00	Set a sandstone 24 X 12 X 7 ins., 18 ins. in the ground, for 1/4 sec. cor., marked 1/4 on W. face; dig pits 18 X 18 X 12 ins. N. and S. of the cor.; and raise a mound of earth, 3 ft. base, 1½ ft. high, W. of cor.
60.00	Top of spur, 300 ft. above canon, course S. E. and N. W.
65.20	Swale, 200 ft. below ridge, course S. E.
82.50	Intersect S. bdy. of T. 2 S., R. 3 W. 5.50 chs. E. of the cor. to secs. 32 and 33.
	Set a sandstone 18 X 12 X 6 ins. 12 ins. in the ground for the closing cor. of secs. 4 and 5, marked with 4 grooves on E., and 2 grooves on W., and C. C. on S. faces; and raise a mound of stone, 3 ft. base, 3 ft. high, S. of cor. Pits impracticable.
	Note.— I destroy the marks on the cor. of secs. 4, 5; 32, and 33 which have reference to secs 4 & 5.

Subdivision of T. 3 S. & R. 3 W. Continued

Chains	
	Land, mountainous.
	Soil, rocky; 4th rate.
	Good grass for grazing.
	No timber.
	Mountainous land, or land covered with dense undergrowth, 82.50 chs.
	Aug. 6, 1896.
	August 7: At 8 h. 5 m. a. m., l. m. t., I set off 40°35' on the lat. arc; 16°12' N. on the decl. arc; and determine a true meridian with the solar at cor. of secs. 4, 5, 8, & 9.
	West on a true line bet. secs. 5 and 8.
	Descend through oak brush.
15.00	Foot of descent, bears S. W. and N. E.
15.40	Road, bears S. 50° W. and N. 50 E.
16.60	Wash in bottom of cañon, course S. 50° W.; ascend.
38.50	Top of rocky ridge, bears S. 20° W. and N. 20° E.
40.00	Set a sandstone, 22 x 8 x 6 ins., 16 ins. in the ground, for 1/4 sec. cor., marked 1/4 on N. face, and raise a mound of stone, 3 ft. base, 3 ft. high, N. of cor. Pits impracticable.
	This cor. is on the S. W. slope of ridge, 50 ft. below the top.
45.00	Bottom of cañon, course S.
57.00	Top of spur, 400 ft. above cañon, bears N. and S.
65.25	Swale, course S. 10° E.
75.25	Top of spur, bears S. 20° E. and N. 20° W.
80.00	Set a sandstone, 20 x 12 x 8 ins. 15 ins. in the ground, for the cor. of secs. 5 and 6, marked with 5 notches on S., and 5 notches on E. edges, and raise a mound of stone, 2½ ft. base, 2½ ft. high, W. of cor. Pits impracticable.
	This cor. is on side of mountain facing S., 100 ft. below top of ridge.
	Land, mountainous.
	Soil, gravelly and rocky; 2nd and 3rd rate.
	Good grass for grazing.
	No timber, Undergrowth oak.
	Mountainous land, or land covered with dense undergrowth, 80.00 chs.

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

Chains.	
	From the cor. of secs. 1, 6, 7, and 12, on W. bdy. of Tp. I run
	East on a true line bet. secs. 6 and 7.
4.00	Bottom of abrupt hollow, course N.
13.50	Top of spur, bears N. E. and S. W.
18.00	Spring branch, 6 lks wide, rapid current rocky bottom, in Murray's Cañon, course S. 10° W.; ascend.
40.00	Find no trace of ¼ sec. cor. after searching diligently. Set a quartzite stone, 16 X 10 X 5 ins. 9 ins. in the ground for reestablished ¼ sec. cor., marked ¼ on N. face; and raise a mound of stone, 2 ft. base, 2 ft. high, N. of cor. Pits impracticable.
73.15	Top of spur, 400 ft. ± above branch in Murray's cañon, bears S. W. and N. E.; descend.
81.45	Bottom of cañon, 200 ft. below ridge, course S. W.; ascend.
93.50	Top of ridge, about 150 ft. above hollow bears S. W. ½ N. E.
96.00	Intersect N. and S. line 100 lks. N. 0° 2' W. of the cor. set for secs. 5 and 6, and remark the same for the S. W. cor. of sec. 5. Set a sandstone, 18 X 12 X 6 ins., 12 ins. in the ground for S. E. cor. of sec. 6, marked with 5 notches on S. and 5 notches on E. edges; and raise a mound of stone 2 ft. base 2 ft. high, N. W. of cor. Pits impracticable. Land, mountainous. Soil, loam, and gravelly; 2nd and 3rd. rate. Good grass for grazing. No timber. Mountainous land 96.00 chs.
	August 7, 1896.

August 8: At 6h 38m a. m. l. m. t. I set off 40° 34' on the lat. arc; 15° 36' N. on the decl. arc; and determine a true meridian with the solar at cor. of secs 7, 8, 17 & 18. Thence I run

	N. 0° 2' W., on a true line bet. secs. 7 and 8.
	Descend through oak brush.
1.75	Wash 10 ft. below cor. in Seavetts' Cañon, course N. 30° W.
32.00	No trace of foot of mountain cor.
36.00	Spur, 100 ft. above Pole Cañon, bears N. W. and S. E.

Chains	
40.00	To beginning cor. on bdy. of James Murray's land claim, which is a quartzite stone, 24 x 12 x 10 ins., 16 ins. in the ground also for ¼ sec. cor. marked ¼ and Beg. Cor. J. M. on W. face; with mound of stone, 3½ ft. base 3 ft. high, W. of cor.
	Thence on line bet. James Murray's private land claim and sec 8.
40.25	Road in Pass Cañon, bears E. and W.
40.50	Moses Brunsau's pipe line conducting water from spring in Pass Cañon to his farm ½ mile dist., bears E. and W.
41.15	Leave Cañon; ascend.
60.00	To N. E. cor. on boundary of James Murray's private land claim, which is a quartzite stone, 16 x 12 x 8 ins., 11 ins. in the ground, marked ∠ J. M. on S. W. face; with a mound of stone 3 ft. base 3 ft. high, S. W. of cor.
	I mark C. C. on N. face, for closing cor.
	The 1st mile cor. on said boundary, bears W. 20.00 chs. dist.
68.30	Top of spur, 300 ft. above Pass Cañon, bears E. and W.
79.75	Intersect E. and W. line 15.50 chs. W. from the S. E. cor. of sec. 6, in hollow, course S. 30° W.
	Set a sandstone, 16 x 12 x 6 ins., 11 ins. in the ground for closing cor. of secs. 7 and 8, marked C. E. and 5 grooves on S. and 5 grooves on E. faces; and raise a mound of stone, 3 ft. base, 3 ft. high S. of cor. Pits impracticable.
	Land, mountainous.
	Soil, loam mixed with gravel and rock 1st and 3rd rate.
	Good grass for grazing.
	No timber; undergrowth, oak.
	Mountainous land, or land covered with dense undergrowth, 79.75 chs.
	August 8: At this cor. I set off 15° 51' N. on the decl. arc, and at 0h 9m p. m. l. m. I observe the sun on the meridian; the resulting lat. is 40° 35'

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

Chains	
	From the S. W. cor. of sec. 5 described heretofore, I run N. 0° 2' W., on a true line bet. secs. 5 and 6.
1.00	The South & east E. cor. of sec. 6. Enter pine timber
4.50	Top of spur, bears and slopes S. 50° W.; descend.
10.50	Swale, course S. 50° W.
12.60	Spur, 200 ft. above cañon, bears S. 60° W. and N. 60° E. Leave pine timber.
22.05	Bottom of right hand fork of Murray's Cañon, 150 ft. below ridge, course S. 80° W.; ascend.
31.10	Top of divide ridge bet. right and left hand forks of Murray's Cañon, 250 ft. above cañon, bears S. 80° W. and N. 80° E.; descend.
40.00	Set a sandstone, 18 x 14 x 10 ins., 12 ins. in the ground, for 1/4 sec. cor., marked 1/4 on W. face; and raise a mound of stone, 2 ft. base, 2 ft. high, W. of cor. Pits impracticable. Leave sage brush, enter scrub oak; descend.
42.20	Left hand fork of Murray's cañon, course S. 60° W.
49.30	Top of low ridge, bears S. W. and N. E.; descend.
62.00	Bottom of swale, 50 ft. below ridge, course S. 30° W. Leave oak and mahogany.
72.00	Divide ridge bet. Flood, and Murray's Canons, 300 ft. below ridge, bears S. 68° W. and N. 68° E.
81.00	Bottom of Flood cañon, 250 ft. below ridge, course S. 80° W.; ascend.
82.00	Intersect S. bdy. of T. 2 S., R. 3 W., 5.00 chs. E. of the cor. of secs 31 and 32. Set a white sandstone, 18 x 10 x 6 ins., 12 ins. in the ground, for closing cor. of secs. 5 and 6, marked with C.C. on S., 5 grooves on E. and 1 groove on W. faces; and raise a mound of stone 2½ ft. base, 2 ft. high, S. of cor. Pits impracticable. This cor. is on S. S. slope of ridge, 50 ft. above cañon. I destroy all marks on the cor. of secs. 5, 6, 31, and 32 that pertain to secs. 5 and 6.

Land, mountainous.
Soil, sandy loam and gravelly; 2nd and 3rd rate.
Good grades for grazing.
Timber, pinon-pine; undergrowth oak, sage and mahogany.
Mountainous, or heavily timbered land, or land covered with dense undergrowth 82.00 chs.

Subdivision of T. 3 S., R. 3 W. Concluded.

Chains Having closed out of limits on the line bet. secs 20 and 21, I conclude to retrace the same.
From the cor. of secs. 20, and 21 already described, I run No°24' W., on a retracement line bet. secs. 20 and 21.
40.85 I fall 30 lks W. of ¼ sec. cor. which is a quartzite stone 5x10x6 ins. above ground, marked and witnessed as described by the Surveyor general.
81.70 Intersect E. and W. line 36 lks W. of the N. E. cor. of sec. 20. heretofore described, this course of this line is therefore North. This shows my connection to be within limits.

Aug. 8, 1896.

General Description.

This township contains a variety of mountainous land, and the soil ranges from rock slides to rich loam.
The soil of the bottom of the cañons and hollows, foot hills and flat benches, is generally rich black loam, capable of producing crops without irrigation, and the remaining portion of the township is gravel mixed with loam, and can be classed as 2nd and 3rd rate, and the whole is covered with an abundant growth of rich and nutritious grasses well adapted for grazing.
There are many scattering groves of pine and aspen timber on the N. slopes of the high mountains, however in many places the timber has been cut down, and only the stumps remain.
There are creeks rising in Bingham Cañon, Carr Fork and Markham Gulch, and the water is used mainly for mining purposes, and finally runs into Salt Lake Valley and is used for irrigation purposes.
These waters and the other springs in the township furnish an abundance of water for the stock that graze on the land.
In Bingham Cañon there is a Settlement called Highland, with one store, one saloon and about 30 houses, population about 150. There are about 15 settlers in Carr Fork, all of whom are engaged in mining. George M. Cockran who made D. E. No. 994 I could not find nor his improvements. Jeremiah W. Whitehouse D. E. No. 2138 and Emma M. Whitehouse D. E. 2454 are embraced in Emma M. Whitehouse's private land claim in sec. 17. Edmond Seaver D. E. No. 2148 I could not find, nor his improvements. James Murray has a private land claim in sec. 7 of 80.00 acres, used as a pasture. I could not find Joseph Bevan D. E. No. 2391, nor his improvements.
Mines are being worked in secs. 13, 14, 22, 23, 24, 25, 26, 27, 33, 34, 35 and 36. & E½ Sec 21.28
but are too numerous for individual mention. Said secs. are mineral lands.

Andrew J. Stewart Jr. U. S. Dep. Sur.

Boundary of P. L. C., T. 3 S., R. 3 W. - Co.

C

Meanders of Emma M. Whitehouse's private land claim.
Emma M. Whitehouse, having duly presented her claim and proofs of 20 years adverse possession of a tract of land in sec. 17, T. 3 S., R. 3 W.; therefore in accordance with special instructions I proceed to locate and meander the claim as follows:
At a point 23.36 chs. W. and 51.98 chs. N. of the N. E. cor. of sec. 20 I set a sandstone, 20 x 12 x 6 ins. 15 ins. in the ground; for beginning cor. of Emma M. Whitehouse's private land claim, marked E. M. W., Beg. Cor. on S. face; and raise a mound of stone, 2½ ft. base, 1½ ft. high, S. of cor. Pits impracticable. From this cor. the Sheep Spring bears S. 30° E. 100 lks. dist.
August 3: At 7h 0m a. m. l. m. t., I set off 40° 34' on the lat. arc; 17° 19' N. on the decl. arc; and determine a true meridian with the solar, at the cor. described above.
Thence I run with meanders in sec. 17.
Over mountainous land; descend.

S. 63½° E., 25.00 chs. At 1.10 chs. bottom of Swenson's Hollow; course S. 80° W.; ascend through oak brush. At 9.50 chs., ridge; bears N. 80° E. and S. 80° W. At 17.50 chs. begin steep ascent. At 23.25 chs. bottom of Bear Gulch 5 lks. N. of Coyote Springs. At 25.00 chs., Set a conglomerate stone, 18 x 10 x 8 ins. 14 ins. in the ground, for angle cor. marked E. M. W. ∠ on W. face; from which A maple 3 ins. diam., bears N. 86° 30' W., 13 lks. dist., marked E. M. W. ∠, T. 3 S., R. 3 W. B. T. A maple, 4 ins. diam., bears S. 67° W., 20 lks. dist., marked E. M. W. ∠, T. 3 S. R. 3 W. B. T. From this cor. the Upper Coyote Springs bears N. 65° W. 125 lks. dist., the Lower Coyote Spring bears W. 2.50 chs. dist.

S. 27° 01' W., 45.83 chs. Ascend through oak brush. At 7.00 chs. ridge, bears N. 80° E. and S. 80° W.; descend. At 15.00 chs. Set a conglomerate stone 18 x 13 x 6 ins. 4 ins. in the ground for ½ mile cor., marked E. M. W., ½ M. on N. W. face; and raise a mound of stone, 3 ft. base, 1½ ft. high, N. W.

of cor. Pits impracticable.
At 18.00 chs. bottom of small cañon
S. 80° W. At 20.50 chs. Top of spur, bears
E. and W.; descend gradually.
At 31.00 chs., descend abruptly. At 34.00
chs. foot of descent. Enter bottom of
Pole Cañon. At 38.50 chs. Leave bottom of
Cañon, ascend abruptly. At 41.00 chs.
edge of mesa. At 45.83 chs. Intersect N.
line of sec. 20, 21.80 chs. W. of the N. E. cor.
of sec. 20. Set a quartzite stone, 16 x 7 x 6
ins., 10 ins. in the ground, for angle
cor., marked E. M. W. 2, on N. W. face,
dig pits 18 x 18 x 12 ins. 5 ft. from cor.
on each line, and raise a mound of
earth, 2½ ft. base 1½ ft. high, N. W. of cor.

W. 9.17 chs. Along N. line of sec. 20 through oak
brush, along mesa. At 9.17 chs.
Set a quartzite stone, 18 x 6 x 6 ins.,
12 ins. in the ground for 1 mile cor.,
marked E. M. W. 1 M. on N. face,
from which;
An oak, 3 ins. diam., bears N. 22½°
E. 16 lks. dist., marked E. M. W. 1 M.
T. 3 S. R. 3 W., B. T.
An oak, 3 ins. diam., bears N. 30° W.
43 lks. dist., marked E. M. W. 1 M.
T. 3 S., R. 3 W., B. T.
Land, mountainous and level.
Soil, sand loam and gravel; 1st and 3rd rate.
Timber, undergrowth, oak and maple.
Mountainous lands, or land covered with
timber and undergrowth, 80.00 chs.

W. 2.83 chs. Across mesa, through oak brush.
At 3.83 chs. leave mesa, descend.
At 9.03 chs. The 1/4 sec. cor. on N. side
of sec. 20 which is a sandstone, 12 x
16 x 8 ins. above ground, marked and
witnessed as described by surveyor general.

Boundary of O. S. C. T. 3 S. R. 3 W. Continued.

This is also angle cor. of this claim. I mark with a (x) at the exact cor. point, E. M. W. ¼ on N. E. face; and raise a mound of stone 1½ ft. base 1½ ft. high, N. E. of cor. Pits impracticable.

North, 40.00 chs. Over ridges and hollows.
At 5.00 chs. ridge, bears N. 80° E. and S. 80° W.; descend.
At 10.75 chs., bottom of hollow, course W.; ascend. At 16.00 chs. edge of mesa. At 22.00 chs. leave mesa, descend. At 25.00 chs. Bottom of narrow hollow, course W.; ascend. At 28.00 chs., edge of mesa. At 30.97 chs Set a quartzite stone, 20 x 11 x 4 ins. 15 ins. in the ground, for 1½ mile cor., marked E. M. W. ½ M. on E. face; from which
An oak, 3 ins. diam., bears S. 18½° E. 75 lks. dist., marked, E. M. W. ½ M., T. 3 S. R. 3 W. B. T.
An oak, 3 ins. diam., bears S. 60° E. 50 lks. dist., marked, E. M. W. ½ M., T. 3 S. R. 3 W., B. T.
At 32.70 chs., leave mesa.; descend. At 33.40 Bottom of narrow hollow 30 ft. below mesa, course W., ascend. At 34.50 chs., edge of mesa. At 40.00 chs., set a sandstone, 18 x 10 x 6 ins. 12 ins. in the ground for angle cor. marked E. M. W. ¼, on S. E. face; dig pits 18 x 18 x 12 ins., on each line 4 ft. dist.; and raise a mound of earth, 3½ ft. base, 2 ft. high, S. E. of cor.

N. 54° 15' E., 20.50 chs. Along mesa; ascend gradually. At 14.50 chs. bottom of Swenson's Hollow, spring branch 1 lk wide, 1 inch deep, course S. 60° W.; from this point the claimant's house

Boundary of O.S.C., T.3 S., R.3 W. Concluded

bears S. 10° W. about 5.00 chs. dist.
At 20.30 chs. Intersect at the beginning cor. of the Emma M. Whitehouse private land claim.
Land, mountainous and level.
Soil, sandy loam and gravel; 1st and 3rd rate.
69.53 Good grass for grazing.
No timber; undergrowth oak.
Mountainous land, or land covered with dense undergrowth, 69.53 chs.
August 3, 1896.
Total area of claim 137.85 acres

General Description.

Emma M. Whitehouse's private land claim is situated at the West foot of the Oquirrh Range of mountains and embraces part of Swenson's Hollow, and Bear Gulch, and Pole Cañon, and a number of small flats between these cañons. The land is mountainous and bench land, and the soil is sandy loam and gravelly, and may be classed as 2nd rate. The entire claim is covered with rich and nutritious grasses, and the greater part is covered with a dense undergrowth of oak brush. The claim is used mainly as a pasture. The water is pipped about 500 ft. in a Southwesterly direction from the Sheep Spring. The claimants house is on the northern part of the claim, and a small tract of land near the house has been cultivated, and watered from the Sheep spring.

Andrew J. Stewart Jr.
U. S. Dep. Sur.

Boundary of T. 2 S., R. 3 W.

Meanders of James Murry's Private Land Claim
James Murry having duly presented his claim
and proofs of 20 years adverse possession of a
tract of land in sec. 7. T. 3 S. R. 3 W., therefore
in accordance with special instructions I
proceed to locate and meander the claim
as follows:

At a point 40.00 chs. No. 2 W. of the cor. of secs. 7, 8,
17, and 18, I set a sandstone, 20 x 12 x 10 ins. 15
ins. in the ground, for beg. cor., marked
beg. cor. J. M. on N. W. face; and raise a
mound of stone, 3 ft. base, 2 ft. high, N. W. of cor.
Pits impracticable. This is also 1/4 sec. cor. bet. secs. 7 and 8
Aug. 5: At the above described cor: At 7h 0m
a. sw. t. mn. t., I set off 40° 35' on the lat. arc;
16° 47' N. on the decl. arc; and determine
a true meridian with the solar.

Thence I run with meanders in sec. 7.

West 11.00 chs. At 24.00 chs. top of spur, bears
N. 40° W. At 29.72 chs wire fence
bears N. and S. At 40.00 I set a
sandstone, 18 x 11 x 6 ins. 12 ins.
in the ground, for angle and
1st 1/2 mile cor., marked 1/2 M. 1/4 M.
on N. E. face; and raise a mound
of stone, 2 ft. base, 1 1/2 ft. high N. E.
of cor. Pits impracticable.

North 20.00 chs. At 20.00 chs. I set a sandstone,
20 x 10 x 6 ins. 15 ins. in the ground
for angle cor., marked 1/4 J. M.
on S. E. face, and raise a mound
of stone, 2 ft. base, 2 ft. high, S.
E. of cor. Pits impracticable.

East 20.00 chs. At 20.00 chs. I set a sandstone,
18 x 12 x 8 ins. 12 ins. in the
ground, for 1st mile cor., marked
1 M. J. M. on S. face, and raise
a mound of stone, 2 1/2 base, 2 ft.
high S. of cor. Pits impracticable.

Land, nearly level.

Soil, loam and gravelly, 1st and 2nd rate.

Boundary of P. L. C., T. 3 S., R. 3 W. - Concluded.

Good grass for grazing.

East 20.00 chs Intersect line bet. secs. 7 and 8 N. 0° 2' W. 60 chs. from cor of secs. 7, 8, 17 & 18
And at this point set a quartzite stone, 18 x 10 x 8 ins. 12 ins. in the ground, for angle cor., marked L. J. M. on S. W. face and raise a mound of stone 2 ft. base, 2 ft. high S. W. of cor. Pits impracticable. Thence along sec. line

S. 0° 2' E. 20.00 chs. Descend. At 18.80 chs. foot of descent in Pass Cañon. At 19.50 Moses Bruno's pipe line, bears E. and W. At 19.75 chs road in Pass canon, bears E. and W. At 20.00 chs. the beg. cor. of claim.

Land, nearly level.
Soil, loam and gravelly, 1st and 2nd rate
Good grass for grazing.
No timber.
Total area of claim 80 acres.

General Description.

James Murry's Private Land Claim is situated at the mouth of Pass Cañon, at the West foot of the Oquirrah range of mountains.
It is enclosed with other lands by fence, and is used almost exclussively as a pasture.
The soil is rich sandy loam, and can be classed as 1st rate.
The claim is covered with an abundant growth of rich and nutritious grasses, and affords excellent pasturage for claiments cattle and horses.

Andrew J. Stewart Jr
U. S. Deputy Surveyor

Subdivision of T. 3 S. R. 3 W.

Chains.	
	Note:- Sec. 17 not closing within the limits prescribed by the manual and to ascertain the cause I commence at the cor. of secs. 17, 18, 19 and 20 which is a quartzite stone 5"X14X7 ins. firmly set and marked and witnessed as described by the Surveyor general, Thence I run
	N. 15' W. on a protraction line bet. secs. 17 and 18
39.80	The old ¼ sec. cor.
	From the sec. cor. described above I run
	East on a protraction line bet. secs. 17 and 20
39.80	The ¼ sec. cor. which is a sand stone 5"X16X8 ins firmly set in the ground and marked and witnessed as described by the Surveyor general

Andrew J. Stewart Jr
U. S. Deputy Surveyor

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FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by _____

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

_____

showing the respective capacities in which they acted:

_____, *Chainman.*

_____, *Chainman.*

_____, *Moundman.*

_____, *Moundman.*

_____, *Axman.*

_____, *Axman.*

_____, *Flagman.*

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted _____

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

_____

_____

_____ of the _____

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

_____, *Chainman.*

_____, *Chainman.*

_____, *Moundman.*

_____, *Moundman.*

_____, *Axman.*

_____, *Axman.*

_____, *Flagman.*

_____

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

_____

SEAL

_____

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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 _____, bearing date of the United States Surveyor General for _____ 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, March 21st, 1899

The foregoing field notes of the survey of the subdivisional lines of Township 2 South, Ranges 3 West of the Salt Lake Base & Meridian, Utah

executed by Andrew J. Stewart, Jr. under his contract No. 223, dated December 27, 1895, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Jacob Bay
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-244

M.3.B.

FIELD NOTES

OF THE SURVEY OF

The South Boundary

of

Township 4 South Range 4 West

Of the Salt Lake Principal Meridian,

In the State of Utah.

AS SURVEYED BY

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

Under his Contract No. 203, dated December 27th, 1895.

Survey commenced September 2nd, 1896.

Survey completed September 2nd, 1896.

(12573—2,000.)

Names and Duties of Assistants.

L. M. P. Stewart, Chairman.

John R. Stewart, Chairman.

Bert Bochard, Chairman.

John W. Burchy, Chairman.

Thomas Barnard, Moundsman 2nd Axeman.

Andy J. Stewart, Moundsman 2nd Axeman.

BOOK A-244

INDEX DIAGRAM.

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Meanders Page .....

Preliminary Oaths of Assistants.

We, _____

_____

_____

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

_____

_____

_____

_____

_____, *Chainman.*

_____, *Chainman.*

_____, *Chainman.*

_____, *Chainman*

Subscribed and sworn to before me this _____ day of _____, 18 .

_____

_____

We, _____

_____

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

_____

_____

_____

_____

Subscribed and sworn to before me this _____ day of _____, 18 .

_____, *Axemar*

_____, *Axema*

_____

_____

_____

South boundary of T. 4 S., R. 4 W.

Chains	
	September 2: At 7h 0m a. m., l. m. t., I set off 40° 25' on the lat. arc; 7° 38' N. on the decl. arc; and determine a true meridian with the solar, at the 1/4 sec. cor. on the S. bdy. of sec. 32, 40.00 chs. E. from the S. W. cor. of said section, in lat. 40° 25' N. long. 112° 19' W. which is a decayed post and old mound, as described by the surveyor general. I re-establish said cor. at the same point as follows:
	Set a blue limestone 20 x 12 x 15 ins, 15 ins. in the ground, re-established for 1/4 sec. cor., marked 1/4 on N. face; and raise a mound of stone, 2½ ft. base, 2 ft. high, N. of cor.
	Thence I run
	East on a random line along the S. bdy. of Tp. 4 S., R. 4 W., setting temp. 1/4 sec. and sec. cors. at intervals of 40.00 chs.; and at 351.80 chs., intersect the E. bdy. of this Tp. 90 chs. N. of cor. of Tps. 4 and 5 S., Rs. 3 and 4 W.
	The falling answers to a correction of 0° 9', or 20 lks. N. per. mile, counting from the 1/4 sec. cor. on the S. bdy. of sec. 32;
	Therefore I run
	N. 89° 51' W. on a true line bet. secs 1 and 36.
	Descend mountain.
15.00	Enter pine timber, bears S. 15° E. and N. 15° W.
27.00	Bottom of branch of Soldier Cañon, 300 ft. below Tp. cor., course N. 15° W.; ascend mountain.
40.00	Set a blue limestone, 18 x 10 x 6 ins., 13 ins. in the ground, for 1/4 sec. cor., marked 1/4 on N. face; from which
	An aspen, 6 ins. diam., bears N. 56° E. 50 lks. dist.; marked 1/4 S., B. T.
	A balsam, 8 ins. diam., bears S. 12° W. 25 lks. dist., marked 1/4 S., B. T.
49.00	Top of spur of ridge, bears and slopes

Chains	Course the N. W., about 700 ft. above canon. Leave pine timber, descend mountain through dense undergrowth.
60.00	Set a blue limestone, 18 x 10 x 5 ins., 11½ ins. in the ground, for cor. of secs. 1, 2, 35, and 36, marked with 1 notch on E., and 5 notches on W. edge; and raised a mound of stone, 3 ft. base, 3 ft. high, N. of cor. Pits impracticable. This cor. is on the West slope of mountain. Land, mountainous. Soil, loam; 1st and 2nd rate. Dense undergrowth of sage, and wild-currant. Good grass for grazing. Timber, pine and aspen saplings. Mountainous land, or heavily timbered land, or land covered with dense undergrowth, 60.00 chs.
	N. 89° 31' W. on a true line bet. secs. 2 and 35. Descend mountain through dense undergrowth.
23.00	Foot of descent of mountain, 700 ft. below ridge; thence across flat in branch of Soldier Canon, through dense undergrowth of choke cherry and oak.
40.00	Set a blue limestone, 12 x 6 x 6 ins., 9 ins. in the ground, for ¼ sec. cor., marked ¼ on N. face; from which An oak, 5 ins. diam., bears N. 14' W. 23 lks. dist., marked ¼ S. 35. T. A maple, 5 ins. diam., bears S. 46° E. 27 lks. dist., marked ¼ S., 35. T.
46.00	Spring, good water, drains in canon, 3 lks. wide, 1 ft. deep, rapid current, course N. W.
46.50	Ascend mountain through dense brush.
74.75	Top of spur of ridge, 200 ft. above canon; bears and slopes N. 23° E., and terminates in

Chains	
	cañon, about 30 chs. dist.
	Descend mountain.
80.00	Set a blue limestone, 14 X 7 X 6 ins., 9 ins. in the ground, for cor. of secs. 2, 3, 34, and 35, marked with 2 notches on E., and 4 notches on W. edges; and raise a mound of stone, 2½ ft. base, 2 ft. high, W of cor. Pits impracticable.
	This cor. is on the W. slope of a ridge about 75 ft. above the bottom of hollow.
	Land, mountainous.
	Soil, loam; 1st. and 2nd. rate.
	Good grass for grazing.
	No.
	No mountainous land or land covered with dense undergrowth, 80.00 chs.

	N 89° 51' W on a true line bet. secs. 3 and 34.
	Descend mountain through dense undergrowth.
3.00	Bottom of hollow, 120 ft. below ridge, course N. terminates in Soldier Cañon, about 30 chs. dist.
4.75	Spur of ridge, 30 ft. above hollow, bears N. 10° E. and S. 10° W.; descend.
11.00	Bottom of hollow, 80 ft. below spur, course N. 15° W.
20.15	Top of ridge, 20 ft. above hollow, bears N. 15° W. and S. 15° E.
31.05	Bottom of hollow, 130 ft. below ridge, course N. 25° W.
33.80	Top of spur, 15 ft. above hollow, bears N. 10° W. and S. 10° E.
35.30	Bottom of hollow, 40 ft. below ridge, course N.
40.00	Set a blue limestone, 16 X 10 X 6 ins., 11 ins. in the ground, for ¼ sec. cor. marked ¼ on N. face; and raise a mound of stone 2 ft. base, 1½ ft. high, N. of cor. Pits impracticable; ascend.
49.30	Top of ridge, 200 ft. above hollow, bears N. 10° E.

Chains	
66.80	Hollow, 300 ft. below ridge, course N. 10° E.; ascend.
72.80	Ridge, 30 ft. above hollow, bears N. 20° E. and S. 20° W.
76.30	Hollow, 80 ft. below ridge, course N.
80.00	Set a blue limestone, 20 x 9 x 5 ins., 13 ins. in the ground, for cor. of secs. 3, 4, 33, and 34, marked with 3 notches on E. and 3 notches W. edges; and raise a mound of stone, 2½ ft. base, 2 ft. high, N. of cor. Pile impracticable.
	Land, mountainous.
	Soil, loam and gravelly; 2nd and 3rd rate.
	Good grass for grazing.
	No timber. Undergrowth oak and maple.
	Mountainous land or land covered with dense undergrowth, 80.00 chs.
	N. 89° 51' W., on a true line, bet. secs. 4 and 33.
	Descend mountain.
1.30	Hollow, course N. 15° E.; ascend.
9.35	Ridge, bears and slopes N. 10° E.; descend.
25.60	Bottom of hollow, course N. W.
40.00	Set a limestone, 16 x 11 x 6 ins., 11 ins. in the ground, for 1/4 sec. cor., marked 1/4 on N. face; from which S. cedar, 6 ins. diam., bears N. 40° E. 13 lks. dist., marked 1/4 S., T3 T.; no other trees within limits. Raise a mound of stone, 2 ft. base, 2 ft. high, N. of cor.; ascend mountain.
43.80	Top of ridge, 150 ft. above hollow, bears N. 20° W. and S. 20° E.
66.03	Hollow, 300 ft. below ridge, course N. 10° W.
69.30	Small ridge, bears N. and S.
71.30	Wash, course N. 10° W.
80.00	Set a blue limestone, 18 x 10 x 6 ins., 13 ins. in the ground, for cor. of secs. 4, 5, 32, and 33, marked with 4 notches on E. and

Chains

2 notches on W. edges; and raise a mound of stone, 2 ft. base, 2 ft. high. W. of cor. Pits impracticable.
Land, mountainous.
Soil, sandy and loam, 1st and 2nd rate.
Good grass for grazing.
No timber.
Mountainous land or land covered with dense undergrowth 60.00 chs.

N. 89° 51' W. on a true line bet. secs. 5 and 32.
Over land gently sloping West.
31.80 The ¼ sec. cor. 40.00 chs. S. from the S. W. cor. of sec. 32.
Land, sloping West, gently rolling.
Soil, loam, 1st rate.
Good grass for grazing.
No timber.

September 2, 1896.

Retracement of N. bdy. of T. 4 S., R. 4 W.
Note: Finding by the closings on the N. bdy. bet. secs. 2 and 3, 3 and 4, and 4 and 5, that we do not close within the prescribed limits; I retrace the N. bdy. beginning at the cor. of secs. 2, 3, 34, and 35, which is a grey sandstone, 5" x 7" x 6" ins. above ground, firmly set, and marked and witnessed as described by the surveyor general.
Thence I run
West on a retracement line bet. secs. 3 and 34.
39.60 To point from which the ¼ sec. cor. bet. secs. 3 and 34, which is a grey sandstone, 4" x 10" x 5" ins. above ground, firmly set, and marked and witnessed as described by the surveyor general,

bears N. 55 lks. dist.

79.00 To point from which the cor. of secs. 3, 4, 33, and 34, which is a quartzite stone 8 x 10 x 8 ins. above ground, firmly set, and marked and witnessed as described by the surveyor general, bears S. 177 lks. dist. the course of this line is therefore S 88° 44' W.

From the above described cor. I run West on a retracement line bet. secs. 4 and 33.

38.80 To point from which the 1/4 sec. cor. bet. secs. 4 and 33, which is a limestone, 3 x 10 x 8 ins. above ground, firmly set, and marked and witnessed as described by the surveyor general, bears N. 75 lks. dist.

77.50 To point from which the cor. of secs. 4, 5, 32, and 33, which is a limestone 6 x 10 x 8 ins. above ground, firmly set, and marked and witnessed as described by the surveyor general, bears N. 142 lks. dist. The course of this line therefore is N. 88° 57' W.

From the above described cor. I run West on a retracement line bet secs. 5 and 32

39.70 The 1/4 sec. cor. bet. secs. 5 and 32, which is a sandstone 4 x 7 x 4 ins. above ground, firmly set, and marked and witnessed as described by the surveyor general.

80.00 Find no trace of sec. cor. Set temp. cor. and continue retracement bet. secs. 6 and 31.

40.00 Find no trace of 1/4 sec. cor. Set temp. 1/4 sec. cor.

78.80 The cor. of Tps. 3 and 4 S., Rs. 4 and 5 W. which is a blue limestone, 5 x 10 x 10 ins. above ground, firmly set, and marked with 6 notches on N., S., E. and W. edges.

Thence I run, making distances proportional.

Resurvey of North boundary of T. 4 S., R. 4 W.

East, on a resurvey line bet. secs 6 and 31.
Over gently ascending ground.

39.70 Set a cobble-stone, 20 x 8 x 7 ins., 15 ins. in the ground, for reestablished 1/4 sec. cor. bet. secs. 6 and 31, marked 1/4 on N. face; and raise a mound of stone, 2 ft. base, 2 ft. high, N. of cor. Pits impracticable.

79.40 Set a cobblestone, 18 x 6 x 5 ins., 13 ins., in the ground, for reestablished cor. of secs. 5, 6, 31, and 32, marked with 5 notches on E. and 1 notch on W. edges; and raise a mound of stone, 2 ft. base 2 ft. high, W. of cor. Pits impracticable.
Land, mountainous.
Soil, sandy loam, 1st rate.
Good grass for grazing.
No timber.

East, on a resurvey line bet secs. 5 and 32.
Over nearly level land.

39.70 The 1/4 sec. cor. bet. secs. 5 and 32 already described.
Land, nearly level.
Soil, loam; 1st rate.
Good grass for grazing
No timber.

Retracement of W. boundary.

South, on a retracement line bet. secs. 1 and 6, from cor. of Tps. 3 and 4 S., Rs. 4 and 5 W.

39.72 The 1/4 sec. cor., which is a sandstone, 7 x 16 x 10 ins. above ground, marked and witnessed as described by the surveyor general.

79.50 The cor. of secs. 1, 6, 7 and 12, which is a sandstone, 5 x 14 x 5 ins. above ground, marked and witnessed as described by the surveyor general.

South, on a retracement line bet secs 7 and 12.

39.47 The 1/4 sec. cor., which is a sandstone

Retracement of West bdy. of T. 4 S., R. 4 W.

10 x 10 x 5 ins. above ground, marked and witnessed as described by the surveyor general.

79.15 The cor. of secs. 7, 12 x 13 and 18, which is a sandstone; 10 x 10 x 6 ins., above ground, marked and witnessed as described by the surveyor general.

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

Latitudes, departures and closing errors.

Line		D. Chs.	Chs.	S. Chs.	E Chs	W. Chs.
E. bdy. of T. 4 S. R. 4 W.	South	479.10		479.10		
S. bdy. of T. 4 S. R. 4 W.	N. 89°51' W.	351.80	.90			351.80
S. bdy. of T. 4 S. R. 4 W.	West	120.00				120.00
W. bdy. of T. 4 S. R. 4 W.	North	478.65	478.65			
N. bdy. of T. 4 S., R. 4 W.	East	158.80			158.80	
N. bdy. of T. 4 S., R. 4 W.	S. 88°57' E.	77.50		1.42	77.50	
N. bdy. of T. 4 S., R. 4 W.	N. 88°44' E.	79.00	1.77		79.00	
N. bdy. of T. 4 S., R 4 W.	East	158.00			158.00	
Convergency					62	
Totals			481.32	480.52	473.92	471.80
			4 0.2		471.80	
Error in latitude			.80		2.12	

For general description see subdivision notes.

Andrew J. Stewart Jr.
U. S. Dep. Sur.

List of Names.

A list of the names of the individuals employed by Andrew J. Stewart Jr., U. S. Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the survey of the boundary lines of T. 2 S. R. 3 W.; T. 2 S. R. 4 W.; T. 3 S. R. 3 W.; T. 3 S. R. 4 W.; T. 4 S., R. 3 W.; T. 4 S., R. 4 W.; of the Salt Lake Base and

Meridian, in the State of Utah, showing the respective capacities in which they acted: Andy J. Stewart Chainman

Final Oath of Assistants.

We hereby certify that we assisted Andrew J. Stewart Jr., U. S. Deputy Surveyor, in surveying all those parts or portions of the boundary lines of T. 2 S. R. 3 W.; T. 2 S., R. 4 W.; T. 3 S., R. 3 W.; T. 3 S., R. 4 W.; T. 4 S., R. 3 W.; T. 4 S. R. 4 W., of the Salt Lake Base and

Meridian, in the State of Utah, as 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 U. S. Surveyor General for Utah.

Andy J. Stewart Chainman

Subscribed and sworn to before me this 22nd day of September, 1896

SEAL

Andrew J. Stewart Jr.
U. S. Deputy Surveyor

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Final Oath of U. S. Deputy Surveyor.

I, _____, U. S. Deputy Surveyor, do solemnly swear that, in pursuance of instructions received from _____, U. S. Surveyor General for _____, bearing date of the _____ day of _____, 18 , I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the U. S. Surveyor General for _____, the surveying manual, and the laws of the United States, surveyed all those parts or portions of _____

_____

_____

_____

_____

_____ Meridian, in the _____, as are represented in the foregoing field notes as having been surveyed by me, and under my directions; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the surveying manual, printed instructions, the special written instructions of the U. S. Surveyor General for _____ and in the specific manner described in the field notes, and that the foregoing are the true 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.

_____

U. S. Deputy Surveyor.

Subscribed and sworn to before me this _____ day of _____, 18 .

SEAL

_____

_____

Approval.

Office of the U. S. Surveyor General,

Salt Lake City, Utah, March 21st, 1899

The foregoing field notes of the survey of the South Boundary of Township 4 South, Range 4 West of the Salt Lake Base and Meridian, Utah

_____

_____

_____

_____

_____

_____ executed by

Andrew J. Stewart Jr.

under his Contract No. 203, dated December 21st, 1895, having been critically examined, the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Jacob Thy

U. S. 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.

_____

U. S. Surveyor General.

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4—679.

BOOK A-244

K.3.B.

FIELD NOTES

OF THE SURVEY OF THE

Subdivisions lines of

Township 4 South Range 4 West

and Private Land Chains.

Of the Salt Lake Base and Meridian,

In the State of Utah.

AS SURVEYED BY

Andrew J. Stewart Jr., United States Deputy Surveyor,

Under his Contract No. 203, dated December 27th, 1895

Survey commenced September 3rd, 1896

Survey completed September 22nd, 1896

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[illegible] 52.70.71 [illegible]
" 3. 62.01 [illegible]
Closing 28.26
Enlarged 2.20.00

[illegible] 3.52.70. [illegible] 1812
[illegible] 2.08.84
[illegible] 3.61.41 " 23.09
[illegible] 4.17.70 — 12.44

NAMES AND DUTIES OF ASSISTANTS.

Scott P. Stewart, Chainman

John R. Stewart, Chainman

Bert Boshard, Chainman

John W. Bucky, Chainman

Thomas Barnard, Moundman & Axeman

Andy J. Stewart, Moundman and Axeman

6—151

BOOK A-244

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

_____

_____, *Chainm*

_____, *Chainm*

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

_____

SEAL

_____

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

_____

_____, *I*

_____, *I*

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 establishmen
and other duties, according to instructions given us, to the best of our skill and ability, in t

_____

_____

_____

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

_____

SEAL

_____

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

_____

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

_____

SEAL

_____

Cook N.

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

Chains	
	September 3: At 7h 59m a. m., b. m. t. I set off 40° 25' on the lat. arc, 7° 14' N. on the decl. arc, and determine a true meridian with the solar, at the cor. of secs. 1, 2, 35 and 36. For description of instrument see Book B. Thence drum N. 0° 1' W., bet. secs. 35 and 36. Descend over ridges and ravines, through pine and aspen timber.
26.75	Bottom of hollow, 250 ft. below sec. cor. course N. 30° W.; ascend.
29.50	Top of spur, bears and slopes N. 35° W.; leave timber; descend.
31.50	To road in Soldiers Cañon, bears N. 59° W. and S. 59° E.
34.75	To creek in Soldiers Cañon, 10 lks. wide, 1 ft. deep, rapid current, rocky bottom, water clear and cold, course N. 59° W.; ascend mountain through oak and mahogany undergrowth.
40.00	Set a sandstone, 18 x 8 x 6 ins., 13 ins. in the ground, for 1/4 sec. cor. marked 1/4 on W. face; from which An oak, 4 ins. diam. bears N. 55° E. 5 lks. dist., marked 1/4 S., 73 T. An oak, 3 ins. diam. bears W. 15 lks. dist., marked 1/4 S., 73 T.
42.00	Top of spur, 20 ft. above cor. bears E. and W.; descend.
43.75	Bottom of swale, 20 ft. below ridge, course S. 30° E.; ascend.
69.70	An mahogany, 14 ins. diam. on line, I mark with 2 notches on N. and S. sides.
73.50	Top of ridge, 200 ft. above swale, bears E. and W.; descend gradually.
X 80.00	Set a limestone, 16 x 12 x 8 ins., 11 ins. in the ground, for the cor. of secs. 25, 26, 35 and 36, marked with 1 notch on S., and 1 notch on E. edges; and raise a mound of stone, 2½ ft. base, 2 ft. high, W. of cor. Pits impracticable. This cor. is on the E. slope of mountain. X

Chains. Land, high mountain ridges.
Soil, loam and rocky; 1st and 4th rate.
Timber pine and aspen
Undergrowth, oak, mahogany and chokecherry
Good grass for grazing.
Mountainous land or heavily timbered land or land covered with dense undergrowth 80.00 chs.

S. 89° 51' E., on a random line bet. secs. 25 and 26.

46.00 Set temp. ¼ sec. cor.

56.35 Intersect E. bdy. of Tp. 10 chs. S. of the cor. to secs. 25, 30, 31 and 36 described heretofore.

Thence from
N. 89° 55' W., on a true line bet. secs. 25 and 36, over high ridges; ascend gradually through brush.

25.50 Top of ridge, 75 ft. above sec. cor., bears S. W. and N. E.; descend.

39.00 Enter aspen timber, bears N. and S.

40.13 An aspen, 4 ins. diam., for ¼ sec. cor., I mark ¼ S. on N. side; from which
An aspen, 10 ins. diam., bears N. 10° E., 50 lks. dist., marked ¼ S., T3. T.
An aspen, 8 ins. diam., bears S. 20 lks. dist. marked ¼ S., T3. T.

45.00 Leave aspen timber, bears N. E. and S. W.

55.10 Bottom of canon, 80 ft. below ¼ sec. cor., course S. 43° W.; ascend.

62.00 Top of canon, 20 ft. above hollow, bears S. 10° W., and N. 10° E.
Spring. Flowing about 300 gal. per minute, bears S. 3.00 chs. dist., descend.

67.00 Bottom of canon, 30 ft. below ridge, course S. 21° E.; ascend.

80.35 The cor. of secs. 25, 26, 35 and 36.
Land, mountainous.
Soil, loam; 1st rate.

Chains.	
	Good grass for grazing.
	Timber, aspen
	Mountainous land, or heavily timbered land, or land covered with dense under growth, 80.35 chs.
X	N. 0° 1' W., bet. secs. 25 and 26.
	Ascend through sage brush.
15.50	Top of divide ridge, bet. Settlement and Soldier Cañons, 200 ft. above sec. cor., bears E. and W.; descend.
19.00	Leave sage brush, enter aspen timber.
19.40	An aspen, 24 ins. diam., on line, I mark with 2 notches on N. and S. sides.
24.50	Bottom of hollow, 150 ft. below ridge, course N. 3.5° W.
	Leave aspen timber, bears N. 3.5° E. and S. 3.5° W.
	Enter pine timber.
35.00	Top of spur, 50 ft. above hollow, bears and slopes N. 3.5° W.; descend.
36.00	Leave pine timber, bears E. and W.
40.00	Set a blue limestone, 14 x 12 x 5 ins., 9 ins. in the ground, for 1/4 sec. cor., marked 1/4 on W. face; and raise a mound of stones, 2 ft. base, 2 ft. high, W. of cor. Pits impracticable. This cor. is on a ridge, bears N. and S.; descends.
51.00	Bottom of canon, 50 ft. below cor., course N. 35° W.
51.25	Enter oak brush.
56.75	Top of spur, 40 ft. above last hollow, bears and slopes S. 60° E. and N. 60° W.
65.50	Bottom of hollow, course N. 65° W.; ascends.
70.00	Enter flat, covered with dense oak brush.
75.00	Leave oak brush flat; descend.
80.00	Bottom of main branch of Settlement canon, course N. 50° E.
	Set a limestone, 15 x 10 x 10 ins., 13 ins. in the ground, for cor. of secs. 23, 24, 25 and 26. Brush is also the
	Beginning cor. of Moore & Brennan's

Chains. private land claim, marked with 2 notches on S., and 1 notch on E. edges, and Beg. M. H. B on N. E. face; from which

An aspen, 4 ins. diam., bears S. 88° E. 4 lks. dist., marked T. 4 S., R. 4 W., S. 23; B. T.

No other tree convenient to mark. Raise a mound of stone, 2½ ft. base, 2 ft. high, w. of cor. Pits impracticable.

X Land, mountainous

Soil, loam and gravelly; 1st. and 3rd rate.

Good grass for grazing.

Timber, pine and aspen.

Undergrowth, oak.

Mountainous or heavily timbered land, or land covered with dens undergrowth 80.00 chs. Sept. 3rd. At this cor. I set off 7°10' N. on decl. Arc: and at 0h. 4m. l.m.t., observe the sun on the meridian; the resulting lat. is 40° 27'

S. 89° 55' E., on a random line bet. secs. 24 and 25.

40.00 Set temp. ¼ sec. cor.

50.04 Intersect E. bdy. of Tp. at the cor. of secs. 19, 30, 24, and 25

Thence I run

N. 89° 55' W., on a true line bet. secs. 24, and 25, over broken ground; ascend through pine timber.

11.54 Top of spur, bears N. 38° W. and S. 38° E.

Leave pine timber.

15.00 Enter aspen timber bears N. and S.

34.00 Bottom of hollow, 100 ft. below ridge, course N. W.

Aspring, flowing about 25 gal. per. min., bears N. W. 5.00 chs. dist.

40.02 Set a quartzite stone, 14 x 10 x 5 ins., 9 ins. in the ground, for ¼ sec. cor., marked ¼ on N. face; from which

An aspen, 6 ins. diam., bears S. 25° W., 17 lks. dist., marked ¼ S. B. T.

An aspen, 7 ins. diam., bears N. 2° W., 18

Chains.	
	lks. dist., marked ¼ S., B. T.
47.44	Leave aspen timber, bears N. W. and S. E.
	Top of spur, 100 ft. above ¼ sec. cor., bears N. 25° W. and S. 25° E.
61.50	Bottom of canon, 400 ft. below ridges, course N. 65° W.
64.00	Leave undergrowth.
64.10	Top of spur, 40 ft. above hollow, bears N. 30° W. and S. 30° E.
	Enter aspen timber.
70.04	Intersect S. E. cor. of Moses K. Brunean's private land claim, from which the 3½ M. cor. bears N 11.41 chs. dist.
73.00	Foot of steep descent, edge of Bear Flat, leave aspen timber, bears N. and S.
76.00	Wash, 12 ft. wide, 6 ft. deep, with spring branch 8 lks. wide, 3 ins. deep, course N. 50° W.
80.04	The cor. of secs. 23, 24, 25, and 26.
	Land, mountainous.
	Soil, loam; 1st. and 2nd. rate.
	Good grass for grazing.
	Timber, pine and aspen.
	Undergrowth, bark and wild currant.
	Mountainous or heavily timbered land; or land covered with dense undergrowth 80.04 chs.
	September 3. At 4h 3m p. m. l. m. t., I set off 40° 27' , on the lat. arc, 7° E. N. on the dec. arc; and determine a true meridian with the solar, at the cor. of secs. 23, 24, 25, and 26.; Note. Heavy rain prevents further work this day.
	Sept. 3, 1896.

	Sept. 5: the sky is overcast and solar observations are impossible.
	N. 0° 1' W., bet. secs. 23 and 24.
	Note. — (This line is also the W. bdy of Moses K. Brunean's private land claim.)
	Descend through brush along the bottom of Settlement canon.
2.50	Leave canon; ascend.
	Enter aspen timber.

Subdivision of T. 4 S. R. 4 W. – [illegible]

Chains

3.00 Top of spur of ridge, 50 ft. above cañon, bears and slopes N. E. and terminates in the cañon about 7.00 chs below, descend.

9.00 Leave aspen grove at foot of descent, enter cañon, course N. E. about 10.00 chs to main Settlement cañon.

1[illegible] Nigger Gulch, bears N. E. and S. 70° W.

18.50 Spur of ridge, 60 ft. above cañon, bears E.

40.00 I find a quartzite stone, 16 x 8 x 5 ins, 11 ins in the ground, marked M. H. B. ½ M. on E. face for Moses H. Bruneau's ½ M. cor. I mark it ¼ on W. face: and raise a mound of stone, 2½ ft. base, 1½ ft. high, W. of cor.

Pits impracticable.

45.20 A balsam, 4 ins. diam., on line, I mark with 2 notches on N. and S. sides.

53.50 A dugway road, bears N. E. and S. W. in swale.

56.50 Spur of ridge, descends N. E. and S. W. to cañon.

64.00 Foot of ridge, enter Settlement Cañon, leave brush.

Intersect angle cor. on W. bdy. of Moses H. Bruneau's private land claim which is a quartzite stone, 6 x 10 x 8 ins, above ground, marked M. H. B. L. C. on E. face; which I mark C.C. and 8 grooves on S. and 1 groove on E. faces: for closing cor. to frac. secs. 23 and 24.

Thence through Moses H. Bruneau's claim.

Foot of ridge, enter Settlement Cañon, course N. 30° W., leave brush.

67.00 Road, leading from Tooele to head of Settlement Cañon, bears with cañon, course N. 30° W. and S. 10° E.;

Enter brush.

69.50 Creek, 6 ths wide, 3 ins deep, course N. 30° W., in Settlement cañon

69.50 Road leads up the main branch of Settlement Cañon, bears N. 0-5° W. and S. 10° E.

73.00 Leave cañon; ascend.

Chains.	
73.00	Top of ridge; bears N. W. and S. E.
77.00	Enter mouth of Kelsey's Canon bears E. and W.
80.00	Set a sandstone, 16 x 8 x 8 ins., 11 ins. in the ground for cor. of secs. 13, 14, 23, and 24, marked 3 notches on S. and 1 notch on E. edges; from which A choke-cherry, 4 ins. diam., bears S. 33° 15' E., 3.0 lks. dist., marked T. 4 S. R. 4 W. S. 24, B. T. A choke-cherry, 3 ins. diam, bears N. 75° E. 3.0 lks. dist., marked T. 4 S. R. 4 W. S. 13. B. T. A maple, 3½ ins. diam., bears S. 26° W. 2.20 lks. dist., marked T. 4 S. R. 4 W. S. 23, B. T. No tree in sec. Raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor. Pits impracticable. Land, rolling mountain. Soil, loam; 1st rate. Good grass for grazing. Timber, scattering aspen and pine on W. side of canon. Mountainous land or land covered with dense undergrowth 80.00 chs.

S. 89° 55' E., on a random line bet. secs. 13 and 24

40.00	Set temp. ¼ sec. cor.
80.00	Intersect E. bdy. 2nd Tp. 40 lks. N. of the cor. of secs. 13, 18, 19, and 24, established heretofore. Thence I run N. 89° 35' W., on a true line, bet secs. 13 and 24.
15.38	Spur of ridge, bears N. 30° W., terminates in left hand fork of Kelsey's canon.
18.88	Enter mountain mahogany.
20.38	Bottom of swale, 300 ft. below sec. cor., course N. 30° W. Leave mahogany and enter pine timber, bears N. and S.

Chains	
22.38	Top of ridge, bears N. 30° W. and S. 30° E.
	Leave pine timber. Thence along ridge
40.00	Set a sandstone, 16 x 11 x 5 ins., 11 ins. in the ground, for 1/4 sec. cor. marked 1/4 on N. face; and raise a mound of stone 2½ ft. base, 2 ft. high, N. of cor. Pits impracticable.
58.00	Intersect E. bdy. of Moses H. Bruneau's private land claim, at a point from which the 2½ mile cor. stone on Moses H. Bruneau's private land claim bdy. bears S. 0.40 chs. dist.
	Set a quartzite stone 20 x 16 x 10 ins., 13 ins. in the ground, for closing cor. to fracl. secs. 18 and 24, marked C. C. and 1 groove on E., 3 grooves on S. and M. H. B. on W. faces; and raise a mound of stone, 2½ ft. base, 1½ ft. high, E. of cor. Pits impracticable
61.38	Point of ridge dividing right and left hand forks of Kelsey's Cañon, bears N. 70 W.
65.00	Trail, bears, N. 70° W. and S. 70° E.
68.88	Old wagon road, leads up left hand fork of Kelsey's Cañon, bears S. 85° W. and N. 70° E.
73.00	Road, bears N. 68° W., and S. 68° E.
75.38	Wash, 10 lks. wide, 2 ft. deep, from right hand fork of Kelsey's Canon, course N. 70° W.
80.00	The cor. of secs. 13, 14, 23 and 24, 2,000 ft. below cor. 1 mile C.
	Land, mountainous,
	Soil, loam; 1st rate and 2nd rate.
	Good grass for grazing.
	Timber, pine, aspen and mahogany.
	Mountainous land or land covered with dense undergrowth 80.00 chs.
	Sept. 5. 1896.

September 7. The sky is overcast and solar observations are impossible.

N. 0° 1' W. bet. secs. 13 and 14.

73 Creek 5 lks. wide, 3 ins. deep, in bottom of Kelsey's Cañon

Subdivision of T. 4 S. R. 4 W. — Continued.

Chains.	
1.70	Road, bears W.
2.00	There are two coal kilns. 150 lks. W. of line.
2.50	Leave cañon; ascend ridge, bears E. and W.
6.25	Top of flat bench, 90 ft. above cañon, bears E. and W.
9.86	Intersect N. bdy. of Moses H. Bruneau's private land claim at a point from which The two mile corner on the claim boundary, bears West 6.17 chains. and N 35° W - 1.37 chs dist.
	Set a quartzite stone, 16 x 10 x 8 ins. 9 ins. in the ground, for closing cor. of fracl. secs. 13 and 14., marked C. C. on N., M. H. B. and 4 grooves on S., and 1 groove on E. faces; and raise a mound of stone, 2½ ft. base, 1½ ft. high, N. of cor. Pits impracticable.
13.50	Leave bench, ascend.
17.00	Top of ridge, 60 ft. above bench, bears N. 85° W. and S. 85° E.
23.00	Swale, 80 ft. below ridge, course N. 85° W.
24.00	Top of ridge, 20 ft. above swale, bears E. and W.
25.50	Hollow, 20 ft. below ridge, course W.
28.25	Top of ridge, 40 ft. above hollow, bears E. and W., terminates 13.00 chs. W. in cañon
37.00	Bottom of hollow, 80 ft. below ridge, course N. 80° W., it joins main hollow 4.00 chs. below.
40.00	Set a sandstone, 14 x 14 x 10 ins., 10 ins. in the ground, for ¼ sec. cor., marked ¼ on W. face; and raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor. Pits impracticable.
40.75	Spur of ridge, 60 ft. above gulch, terminates 4.00 chs. S. 85° W.
43.00	Gulch, 80 ft. deep, course W.
57.50	Top of ridge, 50 ft. below gulch, bears S. 56° 30' W. and N. 56° 30' E. for 5.00 chs. thence N.
60.75	Swale, 30 ft. above ridge, course S. 56° 30' W.
70.50	Top of ridge, bears S. 35° W.
78.50	Bottom of swale, course W.
80.00	Set a sandstone, 16 x 14 x 6 ins., 10 ins. in the ground, for cor. of secs. 11, 12, 13, and 14, marked 4 notches on S., and 1 notch on E. edges; and raise a mound of stone, 2½ ft. base,

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

Chains	1½ ft. high, W. of cor. Pits impracticable.
	Land, mountainous.
	Soil, dark loam and rocky; 1st and 3rd rate.
	Good grass for grazing.
	Undergrowth, oak
	No timber
	Mountainous land or land covered with dense undergrowth, 80.00 chs.
	S. 89° 38' E., on a random line, bet. secs. 12 and 13.
40.00	Set temp. ¼ sec. cor.
80.50	Intersect E. bdy. of Tp., 10 lks. S. of cor. of secs. 7 and 18, described heretofore.
	Thence I run
	N. 89° 42' W., on a true line bet. secs. 12 and 13.
	Over mountainous land, through oak, chokecherry and maple undergrowth
.19	Head of left hand fork of Settlement Cañon, course N.; ascend.
1.89	Top of ridge, 30 ft. above cañon, bears N. and S.; descend.
11.89	Swale, 150 ft. below ridge, course S. 80° W., about 28.00 chs. thence S. W. to Settlement Cañon creek; ascend.
40.25	Set a blue limestone, 16 x 8 x 6 ins., 11 ins. in the ground, for ¼ sec. cor., marked ¼ on N. face; and raise a mound of stone, 3 ft. base 2 ft. high, N. of cor. Pits impracticable.
42.89	Top of spur of ridge, 200 ft. above swale, bears S. W. about 30.00 chs. dis. to junction of cañon; descend.
61.39	Hollow, 300 ft. below ridge, course S. 10° W. about 39.00 chs., and it heads N. about 6.50 chs. at ridge south of branch of left hand fork of Settlement Cañon; ascend.
72.00	Top of ridge, 120 ft. above hollow, bears S. W.
80.50	The cor. of secs. 11, 12, 13, and 14.
	Land, mountainous.
	Soil, gravel and rock; 2nd and 3rd rate.

Subdivision of T. 4 S. R. 4 W. – Continued.

Chains	
	Good grass for grazing.
	Undergrowth, oak, choke-cherry and service-berry.
	No timber.
	Mountainous land, or land covered with dense undergrowth. SO. 50 chs. Sept. 7; At this cor. I set off 5° 41' N. on decl. arc; and at 0h 3m l.m.t., I observe the sun on the meridian; the resulting lat. is 40° 29'
	N. 0° 1' W., bet. secs. 11 and 12.
	Ascend over mountain, through oak and mahogany undergrowth.
12.50	Top of flat ridge, 150 ft. above cor., bears S. 40° E. and N. 40° W.
23.00	Enter scattering pine and aspen timber, bears N. E. and S. W.
31.75	Leave scattering pine and aspen timber.
32.50	Bottom of left hand fork of Settlement Cañon 350 ft. below ridge, course N. 45° W.
40.00	Set a quartzite stone, 18 x 12 x 7 ins., 13 ins. in the ground, for ¼ sec. cor., marked ¼ on W. face; from which
	An oak, 6 ins. diam., bears S. 5° 45' W., 25 lks. dist., marked ¼ S. B. T.
	An oak, 5 ins. d..., bears S. 7° E., 27 lks. dist., marked ¼ S. B. T.
43.50	Drag road, bears N. 47° W. and S. 47° E.
54.50	Top of spur, 200 ft., above cañon, bears E. and W., descend.
55.70	Bottom of hollow, 120 ft. above cañon, course S. 80° W.
59.00	Top of spur, 100 ft. above hollow, bears E. and W.
61.00	Bottom of hollow, 80 ft. below ridge, course W.; ascend.
80.00	Point 250 ft. above hollow.
	Set a quartzite stone, 20 x 11 x 4 ins., 14 ins. in the ground, for the cor. of secs. 1, 2, 11, and 12, marked with 5 notches on S., and 1 notch on E. edges; and raise a mound of stone, 2½ ft. base, 2 ft. high, W. of cor. Pits impracticable.
	Land, ridges and hollows.
	Soil, loam and gravelly; 2nd rate.

Chains.	
	Good grass for grazing. Heavy undergrowth of oak and chaparral. No timber. Mountainous land or land covered with dense undergrowth, 40.00 chs. Sept. 7. 1896.
	September 8.: At 7h 38m a.m. l.m.t. I set off 40° 29' on the lat. arc: S. 23' N. on the decl. arc, and determine a true meridian with the solar at the cor. of secs. 1. 2. 11, and 12. S. 89° 42' E., on a random line bet. secs. 1 and 12.
40.00	Set temp. 1/4 sec cor.
80.50	Intersect E. bdy. of Tp., described heretofore, 30 lks. S. of the cor. of secs. 1. 6. 7. and 12.
	Thence I run N. 89° 55' W., on a true line bet. secs. 1 and 12. Over rough broken ground; ascend through scrub mahogany.
2.00	Bottom of hollow, 60 ft. below cor., course N. 40° E.; ascend.
12.10	Top of spur, 120 ft. above hollow, bears and pinpies N. 33° E.
15.60	Bottom of swale, 40 ft. below ridge, course N. 10° E.; ascend.
16.90	Top of spur, 80 ft. above hollow, bears N. and S.; descend.
19.00	Bottom of swale, 80 ft. below ridge, course N.; ascend.
21.60	Top of spur, 60 ft. above hollow, bears N. and S.
29.50	Bottom of swale, 90 ft. below ridge, course N.; ascend.
36.10	Top of divide ridge bet. Settlement and Middle Canons, 140 ft. above hollow, bears S. 55° E. and N. 55° W. Leave pine timber, enter mahogany undergrowth.
40.25	Set a quartzite stone, 20 × 10 × 4 ins., 15 ins. in the ground, for 1/4 sec. cor. marked

Chains.	
	¼ on N. face, and raise a mound of stone, 2 ft. base, 2 ft high, N. of cor. Pits impracticable.
49.25	S. vale, 180 ft. below divide ridge, course S. 40° W.
62.50	Top of long ridge, 400 ft. below divide ridge, heads and slopes S. 15° E.
80.50	The cor. of secs. 1, 2, 11 and 12.
	Land, mountainous.
	Soil, loam and gravelly; 2nd and 3rd rate.
	Good grass for grazing.
	Undergrowth, mahogany, oak and maple.
	Timber, pine.
	Mountainous or heavily timbered land, or land covered with dense undergrowth 80.50 chs.

	N. 0° 1' W., on a random line bet. secs. 1 and 2.
40.00	Set temp. ¼ sec. cor.
78.13	Intersect N. bdy. of Tp., 0.50 chs W. of cor. to secs. 35 and 36.
	Set a quartzite stone, 14 × 10 × 8 ins., 9 ins. in the ground, for closing cor. of secs. 1 and 2, marked with 5 grooves on W., 1 groove on E., and C. C. on S. faces; and raise a mound of stone, 2½ ft. high, 2 ft. base, W. of cor.
	Pits impracticable. I destroy all marks on cor. of secs. 1, 2, 35 and 36, that pertain to secs. 1 and 2. Thence I run
	S. 0° 1' E., on a true line bet. secs. 1 and 2.
	Over mountainous land, through oak brush.
23.33	Branch in branch of Cañon, Cañon course N. W.
35.50	Top of steep ascent, along W. slope of mountain.
36.30	Spring bears E. 3.00 chs. dist. in hollow, course N. 80° W.; ascend.
38.13	Set a quartzite stone, 14 × 10 × 8 ins., 9 ins. in the ground, for ¼ sec. cor., marked ¼ on W. face; and raise a mound of stone, 2½ ft. base, 2 ft. high, W. of cor.
	Pits impracticable.

Subdivision of T. 4 S. R. 4 W. — Continued

Chains	
50.00	Corner Cañon, bears N. 60° W. and S. 60° E.
55.15	Enter oak brush.
55.76	Intersect S. bdy. of James B. Gordons private land claim at a point from which the 2 mile cor. on claim bdy. bears W. 18.12 chs. dist. Set a quartzite stone, 20 x 7 x 7 ins., 15 ins. in the ground for closing cor. to fracl. secs. 1 and 2, marked with C.C. and 5 grooves on S., 1 groove on E., and J. B. G. on N. faces; and raise a mound of stone, 2½ ft. base, 1½ ft. high, S. of cor. Pits impracticable.
65.30	Top of spur of ridge, 120 ft. above ¼ sec. cor. bears N. 40° W.; descend.
69.30	Enter aspen grove, bears E. and W.
70.80	Bottom of swale, 90 ft. below ridge, course N. 20° W.
73.30	Leave aspen timber.
75.30	Top of ridge 300 ft. above hollow, bears N. 75° W. and S. 75° E.; descend.
78.13	The cor. to secs. 1, 2, 11 and 12.
	Land, mountainous.
	Soil, loam and gravelly; 2nd and 3rd rate.
	Good grass for grazing.
	Undergrowth oak.
	Timber, aspen saplings.
	Mountainous or heavily timbered land or land covered with dense undergrowth.
	78.13 chs. Sept. 8; At this cor. I set off 5° 18' N. on decl. arc and at 0h 2m. l.m.t., observe the sun on the meridian, the resulting lat. 40° 30'

From the cor. of sec. 2, 3, 34, and 35 on S. bdy. of the Tp., established heretofore, I run N. 0° 2' W. bet. secs. 34 and 35.

Along W. side of ridge which bears N. 25° E.

Descend through oak and service berry brush.

8.50	Bottom of wash in narrow gulch, 150 ft. below cor., course N. 20° E. and joins main cañon about 10.00 chs. below.
13.50	Top of spur of ridge, 40 ft. above gulch, bears S.W. and N.E.

Chains	
24.00	Foot of mountain, 200 ft. below ridge; enter flat and large oak brush in Soldier Cañon.
33.30	To creek in bottom of Soldier Cañon, 10 lks. wide, 6 ins. deep, rapid current, good water, course N. 65° W., cañon bears N. 70° W. and S. 70° E.
33.40	Wagon road from head of Soldier Cañon to Stockton, bears N. 70° W. and S. 70° E.
35.00	Leave cañon begin ascent, bears N. 70° W. and S. 70° E.
40.00	Set a limestone, 16 x 9 x 5 ins., 12 ins. in the ground, for 1/4 sec. cor., marked 1/4 on W. face, and raise a mound of stone, 2½ ft. base, 2 ft. high, W. of cor. Pits impracticable. This cor. is on hillside facing S. W.
45.33	Foot of a series of limestone ledges
46.00	Enter scattering, cedars, pinion pine and scrub mahogany timber
59.50	To top of rocky spur of ridge, bears and slopes S. 60° W.; leave limestone ledges.
66.00	Bottom of dry rocky hollow, course S. 60° W.; begin steep ascent.
80.00	To point 700 ft. above Soldier Cañon. Set a sandstone, 18 x 16 x 5 ins., 14 ins. in the ground, for cor. of secs. 26, 27, 34, and 35, marked with 4 notches on S. and 2 notches on E. edges; from which A mahogany, 6 ins. diam., bears N. 20° W., 50 lks. dist., marked T. 4 S., R. 4 W., S. 27, T3. T. A mahogany, 4 ins. diam., bears N. 60° E., 45 lks. dist., marked T. 4 S., T3 4 W., S. 26, T3. T. A mahogany, 5 ins. diam., bears S. 30° E., 65 lks. dist., marked T. 4 S., R. 4 W., S. 35, T3. T. A pinion pine, 9 ins. diam., bears S. 74° W., 12 lks. dist., marked T. 4 S., R. 4 W. S. 34, T3. T.
	Land, mountainous.

Chains Soil, in Soldier Cañon, loam: 1st rate, on ridges, rocky; 3rd and 4th rate.
Good grass for grazing.
Undergrowth, oak.
Timber, scrub pinion pine, cedar and mahogany.
Mountainous or heavily timbered land, or land covered with dense undergrowth, 80.00 chs. — Sept. 8. 1896.

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x September 9: At 8h 1m a.m. l.m.t. I set off 40° 26' on the lat. arc, and 5° 0' N. on the decl. arc, and determine a true meridian at the cor. of secs. 26, 27, 34 and 35.
Thence I run
S. 89° 51' E., on a random line bet. secs. 26 and 35.
40.00 Set temp. 1/4 sec. cor.
79.76 Intersect N. and S. line, 25 lks. S. of cor. to secs. 25, 26, 35 and 36.
Thence I run
S. 89° 58' W., on a true line bet. secs. 26 and 35.
Over mountainous land, ascend.
8.00 Spur of ridge, 70 ft. above sec. cor., bears S. E. and N. W.
13.50 Head of swale, 30 ft. below ridge, course S. 30° E.
15.50 Top of spur of ridge, 60 ft. above hollow, bears S.
Enter scattering mahogany.
34.00 Swale, 55 ft. below hollow, course S.
39.58 Set a blue limestone, 14 x 10 x 4 ins., 9½ ins. in the ground, for 1/4 sec. cor., marked 1/4 on W. face, and raise a mound of stone, 2½ ft. base, 2½ ft. high, N. of cor. Pits impracticable.
41.25 Top of high spur of ridge, 90 ft. above hollow, bears and slopes S.
A spur joins the ridge here and bears S.

Chains.	
	40° W.
55.75	To bottom of swale, 40 ft. below ridge, course S. W.
62.75	Top of spur, 65 ft. above hollow, bears S. 35° W., and terminates in blue limestone ledge, about 50.00 chs. below.
69.50	Bottom of hollow, 35 ft. below ridge, course S. 30° W., terminates in Soldier Cañon
79.76	The cor. of secs. 26. 27. 34. and 35.
	Land. mountainous.
	Soil, rock and gravel; 2nd and 3rd rate
	Good grass for grazing.
	Timber, pinion pine, oak and mahogany.
	Undergrowth, oak and mahogany.
	Mountainous or heavily timbered land or land covered with dense undergrowth, 79.76 chs. Sept. 9; at this cor. I set off 4° 55' N. on decl. arc. and at 0h 6m l.m.t. observe the sun on the meridian the resulting lat 40° 26'
	N. 0° 2' W. bet secs. 26 and 27.
	Ascend over mountain through scrub mahogany.
3.50	Leave mahogany and cedars; enter sage brush
14.50	Top of spur of ridge, 150 ft. above sec. cor., bears and slopes S. 55° W.: thence ascend
22.50	Bottom of hollow, course S. 70° W.
31.50	Top of divide ridge bet. a branch of Settlement Cañon and a branch of Soldier Cañon, 1500 ft. above Soldier Cañon, bears N. 57° W. and S. 57° E.
	Enter scattering timber; descend.
40.00	Set a limestone, 18 x 16 x 4 ins., 14 ins. in the ground, for 1/4 sec. cor., marked 1/4 on W. face; from which
	A red pine, 16 ins. diam., bears S. 36° 30' E., 35 lks. dist., marked 1/4 S., B. T.
	No other tree within limits and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor. Pits impracticable.
40.50	Leave scattering pine timber, bears E. and W.

Chains	
45.50	Enter aspen saplings, bears N. W. and S. E.
47.50	Leave aspen, bears N. W. and S. E.
58.50	Enter aspen saplings, bears E. and W.
69.50	Bottom of hollow, 900 ft. above divide ridge, bears N.
79.30	Leave hollow, course N. 10° W.
80.00	Set a quartzite stone, 18 x 7 x 5 ins., 12 ins. in the ground, for cor. of secs. 22, 23, 26, and 27. marked with 2 notches on S., and 2 notches on E. edges; from which A pine, 6 ins. diam., bears S. 36° W., 90 lks. dist., marked T. 4 S R. 4 W., S. 27, T3. T. A red pine, 6 ins diam., bears S. 87° E. 15.0 lks. dist., marked T. 4 S. R. 4 W., S. 26, T3. T.; no other tree convenient to mark, and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor. Pits impracticable. Land, mountainous. Soil, sandy loam and rocky; 1st and 3rd rate. Good grass for grazing. Timber, scattering pine and aspen; undergrowth, sage brush. Mountainous or heavily timbered land or land covered with dense undergrowth 80.00 chs.

N. 89° 58' E., on a random line bet. secs. 23 and 26.

40.00	Set temp. ¼ sec. cor.
80.10	Intersect N. and S. line, 30 lks. N. of the cor. of secs. 23, 24, 25, and 26.

Thence I run
N. 89° 49' W. on a true line bet. secs. 23 and 26.
Over mountainous land through scattering aspen saplings and dense oak brush.

26.00	Niger gulch, course N. 80° E., branch of main gulch.
40.05	Set a quartzite stone, 24 x 10 x 8 ins., 18 ins. in the ground, for ¼ sec. cor., marked ¼ on N. face, and raise a mound of stone, 2½ ft. base, 1½ ft. high, W. of cor. Pits impracticable.

Chains	
45.00	Enter aspen sap lings.
48.00	Top of ridge, bet. Settlement Canon and right hand fork, 800 ft. above cor. bears N. and S. Enter oak brush.
65.00	Bottom of right hand fork of Settlement Canon, 300 ft. below ridge, course N. 35° W.
65.90	Drag road in canon from Tooele to timber and head of canon, bears N. 35° W., S. 35° E.; ascend.
77.00	Top of spur of ridge, 80 ft. above canon, bears and slopes N.
80.10	The cor. of secs. 22. 23. 26 and 27.

Land, mountainous.
Soil, gravelly; 2nd rate.
Good grass for grazing.
Timber scattering pine and aspen sap lings.
Mountainous or timbered land or land covered with dense undergrowth 80.10 chs.

Sept. 9. 1896.

September 10: At 8h 2m a.m. l. m. t., I set off 40° 27' on the lat. arc; 4° 3' N. on the dec. 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.
Descend along hill sloping to the West through dense oak and service berry undergrowth and scattering timber.

10.50	Top of ridge, bears N.W.
16.20	Wash, 10 ft. wide, 1 ft. dip. in left hand fork of Edwards fork, 100 ft. below ridge, course N. 30° W.
16.50	Wagon road, bears N. 30° W. S. 30° E.
27.50	Spur of ridge, 100 ft. above wash, bears N. 80° W. and S. 80° E.
29.00	Swale, 20 ft. below ridge, course N. 80° W.
32.00	Top of ridge, 30 ft. above swale, bears E. and W.

Chains	
36.00	Swale, 40 ft. below ridge, course N. 80° W. about 18.00 chs. to Dry canon
40.00	Set a blue limestone, 16 x 8 x 3 ins., 10 ins. in the ground, for 1/4 sec. cor.; marked 1/4 on W. face; raise a mound of stone, 3 ft. base, 2½ ft. high, W. of cor. Pits impracticable
49.00	Top of spur of ridge, bears E. and W.
53.50	Swale, 40 ft. below ridge, course W.
58.00	Spur of ridge, bears N. 90° W. and S. 90° E.
59.00	Enter grove of young pine trees, bears E. and W.
65.50	Leave young pines, bears E. and W.
66.50	Enter aspen saplings, bears N. 80° W. and S. 80° E.
68.50	Leave aspens, bears N. W. and S. E.
69.50	Bottom of gully, 80 ft. below ridge, course W.
77.50	Top of ridge, 300 ft. above hollow, bears N. 80° W. and S. 80° E.
80.00	Set a quartzite stone, 16 x 10 x 8 ins., 11 ins. in the ground, for cor. of secs. 14, 15, 22, and 23, marked with 3 notches on S., and 2 notches on E. edges; from which A red pine, 8 ins. diam., bears N. 82° W. 185 lks. dist. marked T. 4 S. R. 4 W. S. 15, B. T. A red pine 7 ins. diam., bears N. 79° E. 260 lks. dist. marked T. 4 S. R. 4 W. S. 14 B. T. Pine trees in sec 22 and 23. Raise a mound of stone, 2½ ft. base, 2½ ft. high, W. of cor. Pits impracticable. Land, mountainous; Undergrowth, oak and aspen Soil, rocky; 2nd and 3rd rate. Good grass for grazing. Timber, pine and aspen Mountainous or timbered land or land covered with dense undergrowth 80.00 chs.
	S. 89° 49" E. on a random line bet secs. 14 and 23.
40.00	Set temp. 1/4 sec. cor.
80.00	Intersect N. and S. line 2.6 lks. N. of cor. of secs.

	13, 14, 23, and 24.
	Thence I run
	N. 89° 35' W. on a true line bet. secs. 14 and 23.
	Across Settlement Canon through brush.
2.00	Two coalkilns 2.25 chs. N. of line
3.00	Log cabin 20 x 14 ft. 80 lks N. of line.
7.00	Creek in Settlement Canon, 10 lks. wide, 4 ins deep, course N. 44° W.
8.00	Wagon road, bears N. W. and S. E.
11.35	Intersect W. bdy. of Moses H. Brunaire private land claim at a point from which the 1st mile cor. stone on claim bdy. bears S. 30° 15' E. 2.60 chs. dist.
	Set a quartzite stone, 20 x 8 x 5 ins, 15 ins in the ground, for closing cor. of fracl. secs. 14 and 23, marked M. H. T. B. and 1. groove on E., 3 grooves on S. and C. C. on W. faces; from which
	A pine, 12 ins. diam., bears S. 10° W. 25 lks. dist. marked M. H. T. B. C. C. T. 4 S., R. 4 W. S. 23, T. B. T.
	A pine, 6 ins. diam., bears N. 53° E. 70 lks. dist. marked M. H. T. B. C. C. T. 4 S. R. 4 W. S. 14, T. B. T.
20.00	Top of ridge, bears and slopes N. 20° E.; descend.
23.00	Bottom of swale, course N. 35° E.; ascend.
30.20	Top of ridge, bears and slopes N. 10° E.; descend.
35.10	Bottom of hollow, course N. 45° E.; ascend.
40.00	Set a quartzite stone, 20 x 8 x 4 ins. 15 ins in the ground, for 1/4 sec. cor., marked 1/4 on N. face; from which
	A maple, 3 ins. diam., bears S. 12° E., 193 lks. dist., marked 1/4 S., T. B. T.
	A maple, 3 ins. diam., bears N. 62° E., 126 lks. dist., marked 1/4 S., T. B. T.; ascend.
46.00	Top of ridge, bears N. E. 8.00 chs. to junction of hollows; descend.
49.50	Hollow, course N. E. about 8.00 chs. dist. thence N. 80° E.; ascend.
63.00	Top of mountain, 600 ft. above canon, bears

Chains	
	S. 20° E. N. 20° W. Highest point on line bet. main Settlement Canon; and Dry (or Right-Hand) Fork.
80.00	The cor. to secs. 14, 15, 22 and 23.
	Land, mountainous.
	Soil, loam and gravelly; 1st and 2nd rate.
	Timber, scattering pine and maple; Undergrowth oak.
	Mountainous land or land covered with dense undergrowth 80.00 chs.
	Sept. 10: At this cor. I set off 14° 35' W. on dec. arc and at 11 h. 58' A.M. l.m.N. observe the sun on the meridian the resulting lat. is 40.28"
	N. 0° 2' W. bet. secs. 14 and 15.
	Descend through dense oak brush into right hand fork of settlement canon (or Dry Fork).
6.00	Swale, course W.
10.00	Ridge, bears E and W.; descend along N. W. side of mountain.
31.50	Leave oak brush and enter maple.
	Foot of mountain, 400 ft. below cor., bears N. 40° E. S. 40° W.
	Enter flat in right hand fork of settlement canon.
34.00	Wood road from timber at head of canon to Tooele City, bears N. 30° E.
35.50	To wash, 3 ft. wide, 1 ft. deep, course N. 30° E.
36.00	Leave flat and maple brush; ascend mountain over shale rock and oak brush.
40.00	Set a sandstone, 16 x 12 x 4 ins. 10 ins. in the ground, for 1/4 sec. cor. marked 1/4 on W. face, from which
	A mahogany 8 ins. diam., bears S. 40° E. 14 lks. dist. marked 1/4 S., T3. T.; no other tree convenient to mark. Raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor. Pits impracticable.; ascend.
43.00	Top of ridge, 300 ft. above canon, bears N. 80° E., S. 80° W.; descend.
66.50	Foot of mountain 300 ft. below ridge. Leave oak brush and enter maple, wild cherry and box elder brush.
70.15	Wood road in Settlement Canon, bears S. 38°

Chains.	
	E. and N. 35° W.
7.1.80	Creek, 12 lks. wide, 7 ins. deep, clear, cold water, course N. 65° W. in Settlement Canon.
76.00	Leave canon and ascend mountain, steep ascent.
80.00	Set a quartzite stone, 14 x 10 x 8 ins., 9 ins. in the ground, for cor. of secs. 10, 11, 14, and 15, marked with 4 notches on S. and 2 notches on E. edges; and raise a mound of stone, 2½ ft. base, 1½ ft. high, W. for cor. Pits impracticable.
	Land, mountainous.
	Soil, gravelly and rocky; 2nd and 3rd rate.
	Good grass for grazing.
	Timber, scattering mahogany; Undergrowth, oak and maple.
	Mountainous land, or land covered with dense undergrowth 80.00 chs.

	S. 89° 38' E. on a random line bet. secs. 11 and 14.
40.00	Set temp. ¼ sec. cor.
80.00	Intersect N. and S. line at the cor. to secs. 11, 12, 13, and 14.
	Thence I run
	N. 89° 38' W. on a true line bet. secs. 11 and 14.
3.30	Hollow, 40 ft. below cor., course S. W.
33.80	Ridge, 60 ft. above hollow, bears N. and S.
40.00	Set a quartzite stone, 16 x 10 x 6 ins., 10 ins. in the ground, for ¼ sec cor. marked ¼ on N. face; and raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor. Pits impracticable.
53.20	Bottom of hollow, 150 ft. below ridge, course S.
57.30	Leave oak brush bears N. and S.
60.00	Top of spur of ridge, bears N. and S.
72.80	Enter oak brush, bears N. and S.
75.80	Swale, 100 ft. below ridge, course S.
77.80	Leave oak brush, bears N. and S.
80.00	Cor. of secs. 10, 11, 14, and 15.
	Land, mountainous.

Chains	
	Soil, gravelly and rocky, 2nd and 3rd rate.
	Good grass for grazing.
	No timber; Undergrowth, oak brush.
	Mountainous land or land covered with dense undergrowth, 80.00 chs.
	N. 0° 2' W. bet secs 10 and 11.
	Ascend over mountainous land through brush.
11.75	Top of ridge, 20 ft. above canon, bears S. 24½ W. and N. 24½° E.
27.00	Bottom of hollow, 15.0 ft. below ridge course S. 40° W.
	Ascend mountain through dense oak brush.
40.00	Set a quartzite stone, 18 x 10 x 4 ins. 11 ins. in the ground, for ¼ sec. cor., marked ¼ on W. face, and raise a mound of stone, 2½ ft. base, 1½ ft. high, W. of cor. Site impracticable; ascend.
55.00	Top of divide bet. main and left hand fork of Settlement Canon, 100 ft. above canon, bears N. 35° W. and S. 70° E.
	Descend along top of spur which descends N.
74.50	Leave small ridge, bears N. 20° E.
80.00	West slope of hill.
	Set a quartzite stone, 14 x 10 x 5 ins. 9 ins. in the ground, marked 5 notches on S. and 2 notches on E. edges, for cor. of secs. 2, 3, 10 and 11; and raise a mound of stone 2½ ft. base, 1½ ft. high, W. of cor. Site impracticable.
	Land mountainous.
	Soil, gravelly and loam, 2nd rate.
	No timber; Undergrowth, oak and maple.
	Mountainous land or land covered with dense undergrowth, 80.00 chs.
	Sept. 10, 1896.

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

Chains	
	Sept. 11, 1896: At 8h 4m a. m. l. m. t. I set off 40° 29' on the lat. arc; 4° 14' N. 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
	S. 89° 38' E. on a random line bet. secs. 2 and 11.
	Descend through brush.
40.00	Set temp 1/4 sec. cor.
80.00	Intersect N. and S. line 15 lks. S. of the cor. to secs. 1, 2, 11, and 12.
	Thence I run
	N. 89° 44' W. on a true line bet. secs 2 and 11.
2.20	Enter scrub mahogany.
6.00	Leave mahogany, bears N. and S.
40.00	Set a quartzite stone, 20 x 10 x 8 ins., 15 ins. in the ground, for 1/4 sec. cor., marked 1/4 on N. face; from which
	An aspen, 4 ins. diam., bears N. 26° E., 10 lks. dist., marked 1/4 S. B. T.
	A maple, 3 ins. diam. bears S. 43½° E., 16 lks. dist. marked 1/4 S. B. T.
40.70	Wood road in left hand fork of Settlement Cañon, bears N. 23° W. and S. 23° E.
41.60	Hollow in cañon, course N. 25° W.
49.00	Road on top of flat ridge in cañon, bears N 40° W. and S. 40° E.
53.00	Bottom of left hand fork of Settlement Cañon, course N. 41½° W.; ascend.
57.75	Top of small ridge, bears N. 25° W.; descend.
61.70	Hollow, course N. 26° W.; ascend.
68.25	Spur of ridge, bears N.; descend.
73.00	Hollow, course N. 10° E.
78.00	Top of smooth ridge, 200 ft. above hollow, bears N. 20° E. and S. 20° W.
80.00	Cor. of secs. 2, 3, 10 and 11.
	Land, mountainous
	Soil, gravelly and rocky; 2nd and 3rd rate.

Subdivision of T. 4 S. R. 4 W. – Continued.

Chains	
	No timber
	Mountainous land or land covered with dense undergrowth. 80.00 chs.
	Sept. 11: At this cor. I set off 4° 10' N. on last arc; and at 0 h 5 m. P.M. l.m.t. observe the sun on the meridian; the resulting lat. is 40° 30'
	Knowing from the connections on N. bdy: of the Tp. that the line running N. bet. secs. 2 and 3 will not intersect the N. bdy. within the prescribed limits.
	I therefore run
	N. 0° 2' W. on a true line bet. secs. 2 and 3.
	Descend through oak brush.
24.75	Spring branch. 2 lks. wide, 2 ins. deep, course N. W. in swale.
25.00	Road leading from Settlement Cañon to mountain bears N. W. and S. E.
30.00	Creek, 10 lks. wide, 6 ins. deep, rocky bottom, rapid current, course N. 47° W., in left hand fork of Settlement Cañon, 150 ft. below sec. cor.
32.00	Road in left hand fork of Settlement Cañon, bears N. W. and S. E.; ascend.
37.50	Top of spur of ridge, bears S. W. and N. E.
40.00	Set a quartzite stone, 18 × 10 × 10 ins., 10 ins. in the ground, for 1/4 sec. cor., marked 1/4 W. face; and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor. Pits impracticable.
43.00	Swale, course W.; ascend.
54.00	Ridge, bears S. W. about 15.00 chs. dist.; descend
58.00	Hollow, course S. W. 15.00 chs. dist.
59.00	Leave oak brush, bears E. and W.
70.70	Top of ridge, 500 ft. above cañon, highest point on line bet. left hand fork of Settlement Cañon and Tooele valley, bears S. E. and N. W.
77.80	Intersect N. bdy. of Tp. 2. 50 chs. S. 88° 44' W. of cor. of secs. 2, 3, 34 and 35.
	Set a sandstone, 16 × 10 × 6 ins., 11 ins. in the ground, for closing cor. of secs.

Subdivision of T. 4. S. R. 4 W. – Continued.

Chains.	2, 3, ... , marked C. C. on S., 4 grooves on W. and 2 grooves on E. edges, and raise a mound of stone, 2½ ft. base, 1½ ft. high, W. of cor. Pits impracticable.
	Land, mountainous.
	Soil, creek bottom; 1st rate. Ridges, rocky; 3rd rate.
	No timber. Undergrowth oak.
	Mountainous land or land covered with dense undergrowth 77.80 chs.
	Note – I destroy all marks on the cor. of secs. 2, 3, 34 and 35 that pertain to secs. 2 and 3.
	From the cor. of secs. 3, 4, 33, and 34, on S. bdy. of the Tp., which is described heretofore I run
	N. 0° 2' W. bet. secs. 33. and 34.
	Descend through brush.
17.50	Bottom of gulch, 200 ft. below cor. course N. 35° E., 5.00 chs. thence N. W.
23.25	Top of spur of sloping ridge, bears N. 35° E.
26.50	Same gulch, course N. 60° W.
31.25	Top of spur of ridge, 50 ft. above cañon bears N. W. and S. E.
39.75	Foot of mountain, bears E. and W.
	Enter flat in Soldier Cañon.
40.00	Set a blue limestone, 18 x 12 x 14 ins., 12 ins. in the ground, for ¼ sec. cor. marked ¼ on W. face; and raise a mound of stone, 2 ft. base, 2 ft. high, W. of cor. Pits impracticable.
44.50	Soldier Cañon creek, 8 lks. wide, 7 ins. deep rapid current, rocky bottom, willows on each bank, course W.
45.25	Wood road in cañon, bears W.
57.00	Leave flat; ascend.
62.50	Spur of ridge, bears and slopes S. 40° W.
74.00	Spring branch, 3 lks. wide, 3 ins. deep in cañon, course S. 20° W.
	Thence N. along W. side of stream.

75.00 A spring bears W. 1.50 chs. dist.
78.80 Spring branch, course S. 20° E.
80.00 Set a limestone, 14 x 8 x 5 ins. 9½ ins. in the ground, marked 1 notch on S. and 3 notches, on E. edges, for cor. of secs. 27, 28, 33, and 34. and raise a mound of stone, 3 ft. base, 3 ft. high, W. of cor. Pits impracticable. This cor. is on flat in middle of canon from which the S. E. cor. of the Stockton Settling Basin, from which the water is piped to Stockton, bears N. 73° 30' W. 36 lks. dist.
Land, mountainous.
Soil, rich loam, rock and gravel; 1st, and 3rd rate.
No timber
Mountainous land or land covered with dense undergrowth, 80.00 chs.

S. 89° 35' E. on a random line, bet. secs. 27 and 34.
40.00 Set temp. ¼ sec. cor.
80.22 Intersect N. and S. line, 10 lks. S. of the cor. of secs. 26, 27, 34 and 35.
Thence I. run
N. 89° 35' W. on a true line, bet. secs. 27 and 34.
Over mountainous land ascend through brush, pinion pine and mahogany and oak.
28.77 Top of spur of ridge, 300 ft. above canon bears and slopes S. 56° W.
Leave scattering timber.
40.11 Set a limestone, 16 x 6 x 6 ins., 10 ins. in the ground, for ¼ sec. cor., marked ¼ on N. face; and raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor. Pits impracticable.

Subdivision of T. 4 S. R. 4 W. — Continued.

Chains	
	This cor. is on the hill side facing N.W.
50.77	Bottom of branch, 3.00 ft. below ridge, course S. 20° W. and joins Soldier Cañon about 35.00 chs. below.
64.00	Top of spur of ridge, 200 ft. above canon, bears S. 16° W. and N. 16° E.
78.77	Bottom of Pipe hollow and spring branch 2 lks. wide course S.W.
80.22	The cor. of secs. 27, 28, 33, and 34.
	Land mountainous
	Soil gravel; 3rd rate.
	Good grass for grazing.
	Timber scattering scrub pine, cedar and mahogany.
	Mountainous land or land covered with dense [illegible] growth. 8.22 chs.
	Sept. 11, 1896.

Sept. 12 [illegible] 8h 0m [illegible] I set off 40° 26' N. [illegible] arc 3° 51' N. on the [illegible] 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 mountain ridges through brush.

11.00	Top of spur of ridge, 100 ft. above Pipe hollow, bears S. E. and N. W.
13.50	Swale, 3 ft. below ridge, course S. E.
18.00	Spur of ridge, 60 ft. above swale, course S. E.
22.00	Swale, 30 ft. below ridge, course S. E., about 8.00 chs. thence S. 10° W. to Pipe hollow.
32.00	Ridge, 200 ft. above swale, bears S. 48° W. and N. 48° E.
	Leave brush.
40.00	Set a quartzite stone, 20 × 10 × 4 ins., 15 ins. in the ground, for 1/4 sec. cor. marked 1/4 on W. face; and raise a mound of earth and stone, 2½ ft. base, 1½ ft. high, W. of cor.
	Pits impracticable.
45.80	Swale, head of hollow, 30 ft. below ridge, course

Chains	
	S. W. to crk, about a mile dist.
58.00	Top of ridge, 300 ft. above crk, decends S.W. about 25 chs. to junction of hollows.
	Enter scattering mahogany
63.00	Leave mahogany and enter scrub aspen.
67.80	Leave aspen in hollow, 30 ft. below ridge, course S. W. about 40. 00 chs. to junction of the hollows, course S. 38° W. about 3/4 of a mile, thence S. W. to Soldier Canon.
	Enter scattering mahogany.
71.75	A mahogany, 4 ins. diam., on line, I mark 2 notches on N. and S. sides.
75.50	Top of ridge. 200 ft. above hollow, bears N. E. and S. W. to Soldier Canon.
80.00	Set a quartzite stone, 14 X 9 X 4 ins., 9 ins. in the ground, for cor. of secs. 21, 22, 27, and 28, marked 2 notches on S. and 3 notches on E. edges. from which
	A mahogany, 6 ins. diam., bears S. 29° W. 35 lks. dist., marked T. 4 S., R 4 W. S. 28, T. 3. T.
	A mahogany, 8 ins. diam., bears N. 35° W. 22 lks. dist., marked T. 4 S., R. 4 W. S. 21, T. 3. T.
	A mahogany, 5 ins. diam., bears N. 27° E. 37 lks. dist. marked T. 4 S., R. 4 W. S. 22. T. 3. T.
	A mahogany, 4 ins. diam., bears S. 12° E. 196 lks. dist. marked T. 4 S. R. 4 W. S. 27. T. 3. T.
	Land, mountainous.
	Soil, loam and gravel; 3rd rate.
	Good grass for grazing.; Timber, scattering mahogany; Undergrowth, mahogany and aspen.
	Mountainous land or land covered with dense undergrowth, 80. 00 chs.

	S. 89° 55' E., on a random line bet. secs. 22 and 27.
40.00	S. t. temp. 1/4 sec. cor.
80.10	Intersect N. and S. line 30 lks. N. of cor. to secs. 22, 23, 26, and 27.

Subdivision of T. 4 S., R. 4 W. — Continued.

Chains.	
	Thence I run
	N. 89° 42' W., on a true line bet. secs. 22 and 27.
1.50	Hollow, 30 ft. below cor., course N. 10° W.
2.00	Hollow, course N.
5.50	Spur of ridge, 50 ft. above hollow S. and N.
15.00	Swale, 10 ft. below ridge, course N.
20.00	Top of spur of ridge, 200 ft. above hollow bears N. and S.
37.00	Hollow, 30 ft. below ridge, course N.; enter pine and aspen saplings.
40.05	A balsam tree, 5 ins. diam., for 1/4 sec. cor. I mark 1/4 S. on W. side; and raise a mound of earth and stone, 3 ft. base, 2 1/2 ft. high, W. of cor. Pits impracticable
55.00	Spur of ridge, 150 ft. above hollow bears N. and S.,
60.75	Branch of Dry fork of Settlement Cañon, 200 ft. below ridge, course N. 52° E. about 25.00 chs. to forks; thence N. E. Heads S. 82° W.
	Leave pine and aspen.
77.25	Top of mountain, 500 ft. above cañon, bears N. and S. Main course N. W. and S. E., hightest point on line bet. Settlement Cañon and Rush Valley.
80.10	Point, 40 ft below top of mountain.
	The cor. to secs. 21, 22, 27 and 28.
	Land, mountainous.
	Soil, rocky; 3rd. rate.
	Good grass for grazing
	Timber, scrub pine and aspen. undergrowth, oak, larb and sage.
	Mountainous or heavily timbered land or land covered with dense undergrowth, 80.10 chs.
	Sept. 12; At this cor. I set off 3° 47' N. on decl. arc. and at 0h 5m P.M. lm N. observe the sun on the meridian the resulting lat. is 40° 27'.
	N. 0° 2' W., bet. secs. 21 and 22.
	Ascend mountain through mahogany, scrub oak and sage-brush.
1.00	Leave mahogany, bears N. 80° W. and S. 80° E.

Subdivision of T. 4 S. R. 4 W. – Com[illegible]

Chains.

5.25 Top of mountain, 50 ft. above cor. highest point on line bet. Soldier Cañon and Settlement Cañon, 2000 ft. above cañon, bears N. 62° W. and S. 62° E.
Enter pine and aspen timber.

30.50 Bottom of hollow, 325 ft. below top of mountain, course N. 40° E.

33.00 Top of spur of ridge, 150 ft. above hollow, bears and slopes N. 45° E.

36.50 Bottom of hollow, 30 ft. below ridge, course N. 50° E.
Leave pine and aspen timber and enter scrub mahogany.

40.00 Set a sandstone, 20 x 9 x 7 ins., 15 ins. in the ground, for 1/4 sec. cor., marked 1/4 on W. face; from which
A mahogany, 12 ins. diam., bears N. 15° E., 35 lks. dist., marked 1/4 S., B. T.
A mahogany, 12 ins. diam., bears N. 10° W., 30 lks. dist., marked 1/4 S., B. T.

55.00 Top of ridge, 180 ft. above hollow, bears N. 60° E. and S. 45° W.
Leave mahogany and enter aspen and scattering pine timber.

68.40 Bottom of sharp hollow, 200 ft. below ridge, course N. 50° E. about 15.00 chs. thence N.
Leave pine and aspen timber, bears with ridge.

75.00 Spur of ridge, 150 ft. above hollow, bears N.E. and S.W.
Enter pine timber 40 ft. below ridge.

80.00 Pine fir trees, 4 ins. diam., come from the same root 1 ft. above ground, for cor. of secs. 15, 16, 21, and 22 I mark
T. 4 S. S. 15, on N. E.
R. 4 W. S. 22, on S. E.
S. 21, on S. W.
S. 16, on N. W. sides, with 3 notches on S., and 3 notches on E. sides; from which
A fir tree, 4 ins. diam., bears N. 72° E.

Chains	
	24 lks. dist. marked T. 4 S., R. 4 W. S. 15, B. T. A fir, 4 ins. diam., bears S. 9° W., 43 lks. dist., marked T. 4 S. R. 4 W. S. 21, B. T. A fir, 3 ins. diam., bears N. 54° W. 21 lks. dist., marked T. 4 S. R. 4 W. S. 16, B. T. A mahogany, 4 ins. diam., bears S. 61½° E. 37 lks. dist., marked T. 4 S. R. 4 W. S. 22, B. T. Land, high rolling mountains. Soil, loam and gravel; 3rd rate. Good grass for grazing. Timber, scrub pine, aspen and mahogany; undergrowth, oak and sagebrush. Mountainous land or land covered with scrub pine timber and dense undergrowth, 80.00 chs.
	S. 89° 42' E., on a random line bet. secs. 15 and 22.
40.00	Set temp. ¼ secs. cor.
79.94	Intersect N. and S. line at cor. of secs. 14, 15, 22, and 23. Thence I run N. 89° 42' W., on a true line bet. secs. 15 and 22. Descend through oak brush.
13.88	Bottom of right hand fork of Settlement Canon, 200 ft. below cor. course N. 10° W.
14.88	Road in Settlement Canon, bears N. 10° E. and S. 10° W.
19.88	Wash, 10 lks. wide, 1 ft. dep. in right hand fork of Settlement Canon, course N. 10° E.
	Bottom of same canon; ascend slope.
34.88	Top of spur of ridge, 180 ft. above canon bears N. and S. 15° E. 3.00 chs. to wash.
39.97	Set a sandstone, 24 x 8 x 6 ins. 18 ins. in the ground, for ¼ sec. cor., marked ¼ on N. face; and raise a mound of stone, 2½ ft. base, 1½ ft. high. N. of cor. Site impracticable.
43.88	Bottom of branch of right hand fork of

Chains	
	Settlement canon, course S. 75° E.
53.88	Top of spur of ridge, 200 ft. above canon, bears N. and S.
56.33	Swale, 20 ft. below spur, course N.
57.38	Top of spur of ridge, 30 ft. above swale, bears S. W and N. E.
59.85	Swale, 10 ft. below ridge, course N. 2.00 chs to canon.
64.35	Top of spur of ridge, 80 ft. above swale, bears N. and S.
65.85	Drag road in hollow, 20 ft. dips, bears N. E. and S. W., hollow drains N.
69.38	Top of ridge, bears N. and S.
72.35	Swale, course N. E.
73.63	Ridge, 30 ft. above swale, bears N. E. and S. W.
74.68	Swale, 30 ft. below ridge, course N. E.
79.94	The cor. of secs. 15. 16, 21, and 22, 500 ft. above canon.
	Land, mountainous
	Soil, gravel and rock; 2nd and 3rd rate
	Good grass for grazing
	No timber
	Mountainous land or land covered with dense undergrowth 79.94 chs.
	Sept 12, 1896.

Sept. 14. At 8h 31m a. m. l. m. I set off 40° 25' on the lat. arc; 3° 4' N. on the dec. arc, and determine a true meridian with the solar, at the cor. of secs 15. 16. 21. and 22.

Thence I run

N. 1° 2' W., bet. secs. 15 and 16.

Second mountain through pine and aspen timber and undergrowth.

4.50	Bottom of right hand fork of Settlement canon, 60 ft. below cor. course E., bears 100 chs. N. at top of mountain.
	Scarce timber bears E. and W.
12.50	Top of mountain, 400 ft. above canon bt.

Chains	
	right hand fork of Settlement Canon and Toole Valley, bears S. W. and N. E.
16.50	Enter pine grove, bears E. and W.
18.00	Leave clump of pines; enter scattering pines.
24.00	Hollow, 300 ft. below top of mountain, course W.
29.25	Ridge, 50 ft. above hollow, bears W.
39.00	Hollow, 20 ft. below ridge, S. 80° W.
39.25	Ridge, 50 ft. above hollow, bears E. and W.
40.00	Set a sandstone, 14 x 12 x 9 ins., 9 ins. in the ground, for 1/4 sec. cor., marked 1/4 on W. face; and raise a mound of stone, 2½ ft. base, 1½ ft. high. W. of cor. Pits impracticable.
42.00	Swale, 30 ft. below ridge, course S. W.
49.00	Spur of ridge, 150 ft. above swale, bears S. W. and N.
53.50	Top of mountain, 150 ft. above ridge, bet. Dry Canon on W. and Settlement Canon on E., bears N. W. and S. E.; ascend.
61.50	Swale, course N. E. to crk.
72.50	Spur of ridge, bears S. W. and N. E. to canon.
80.00	Set a sandstone, 18 x 12 x 6 ins., 12 ins. in the ground, for cor. of secs. 9. 10. 15. and 16. marked with 4 notches on S. and 3 notches on E. edges; from which A red pine, 10 ins. diam., bears S. 37½° E. 80 lks. dist., marked T. 4 S. R. 4 W. S. 15, B. T. A maple, 5 ins. diam., bears N. 50½° E. 50 lks. dist. marked T. 4 S. R. 4 W. S. 10, B. T. A oak, 3 ins. diam., bears N. 50° W., 15 lks. dist., marked T. 4 S. R. 4 W. S. 9, B. T. A pine, 8 ins. diam., bears S. 25° W., 200 lks. dist., marked T. 4 S. R. 4 W. S. 16, B. T. Land, high rolling mountains Soil, loam and gravel; 3rd rate and 1st rate Good grass for grazing. Timber, scattering pine and aspen; under-growth, oak.

Chains	
	Mountainous land or land covered with scattering timber and dense undergrowth, 80.00 chs.
	S. 89° 42' E., on a random line bet. secs. 10 and 15.
40.00	Set temp. 1/4 sec. cor.
80.00	Intersect N. and S. line, 17 lks. N. of the cor. of secs. 10, 11, 14. and 15.
	Thence I run
	N. 89° 35' W., on a true line bet. secs. 10 and 15.
	Descend through brush.
15.00	Settlement Cañon Creek, 15 lks. wide, 10 ins. deep, rapid current, rocky bottom, runs N. 31° W.
18.25	Road from Tooele up the cañon, bears N. 50° W. and S. 50° E.
18.70	Spring branch from gulch heads S. W. course N. E.; 6 lks wide, 5 ins. deep, rapid current.
21.50	Foot of mountain, ascend, bears N. 50° W. and S. 50° E.
39.75	Top of spur of ridge, 150 ft. above cañon, bears N. and S.
40.00	Set a sandstone, 15 x 10 x 5 ins., 9 ins. in the ground, for 1/4 sec. cor., marked 1/4 on N. face; and raise a mound of stone, 2 1/2 ft. base, 2 ft. high, N. of cor. Pits impracticable.
47.25	Bottom of gulch, 150 ft. below ridge, course N.
73.50	Top of ridge, 200 ft. above gulch, bears N. E. and S. W.
80.00	To point 80 ft. below ridge.
	The cor of secs. 9. 10. 15. and 16.
	Land, mountainous.
	Soil, sand, loam and gravel; 1st and 3rd rate.
	Good grass for grazing.
	No timber.
	Mountainous land or land covered with dense undergrowth, 80.00 chs.
	Sept. 14; At this cor. I set off 3° 01' N. on decl. arc, and at 0h 7' l. m. N. P. M. observe the sun on the meridian, the resulting lat. is 40° 29'

Chains.	
	N. 0° 2' W. bet. secs. 9 and 10.
	Descend over mountainous land through oak brush.
2.00	Hollow, 30 ft. below cor., course N. 25° E.
7.50	Spur of ridge, 30 ft. above hollow, bears N. E. 2.00 chs. to hollow.
10.75	Swale, 60 ft below ridge, course N. 60° E. 3.00 chs. to hollow.
15.00	Spur of ridge, 30 ft. above hollow, bears N. 80° E. about 5.00 chs. to cañon.
20.50	Swale, 500 ft. below ridge, course N. 85° E. about 10.00 chs. to cañon.
27.50	Top of ridge, 30 ft. above swale, bears N. 30° E., about 15.00 chs. to cañon.
31.00	Bottom of hollow, 80 ft. below ridge, course N. E., about 16.00 chs. to main hollow.
38.40	Top of main ridge, 20 ft. above main hollow, bears S. W. and N. E. to Settlement Cañon.
40.00	Set a quartzite stone, 18×10×5 ins., 11 ins. in the ground, for 1/4 secs cor., marked 1/4 on W. face; and raise a mound of stone, 2 ft. base, 1½ ft. high. W. of cor. Pits impracticable.
42.75	Hollow, 100 ft. below ridge, course N. E.
54.80	Top of spur of ridge, 20 ft. above hollow, bears S. 65° W. and N. 65° E.
75.00	Hollow, 150 ft. below ridge, course N. E. about 25 chs. to crik
80.50	Set a quartzite stone, 26×14×6 ins. 15 ins. in the ground, for cor. of secs. 3, 4, 9, and 10. marked 3 notches on S. and 3 notches on E. edges; and raise a mound of stone, 3 ft. base, 2½ ft. high. W. of cor. Pits impracticable.
	Land, rolling.
	Soil sand and gravel mixed; 2nd and 3rd rate.
	No timber. Undergrowth, oak, maple, service berry.
	Mountainous land or land covered with dense undergrowth, 80.00 chs.

Chains	
	S. 89° 35' E., on a random line bet. secs. 3 and 10.
40.00	Set temp. 1/4 sec. cor.
80.00	Intersect N. and S. line 20 lks. S. of cor. of secs. 2, 3, 10, and 11.
	Thence I run
	N. 89° 44' W., on a true line bet. secs 3 and 10.
3.50	Swale, 30 ft. below cor. course N. 15° W.
18.00	Top of ridge, bet. left hand fork and main Settlement Canon. 500 ft. above hollow and 500 ft. above Settlement Creek, bears N 35° W and S 35° E.
40.00	Set a sandstone, 14 x 9 x 7 ins., 9 ins. in the ground, for 1/4 sec. cor., marked 1/4 on N. face; and raise a mound of stone, 2½ ft. base, 2 ft. high. N. of cor. Pits impracticable.
44.80	Foot of mountain; enter Settlement Canon, bears N. 15° W. and S. 15° E.
	Intersect E. bdy. of Alvin J. McCristin private land claim at a point from which the mile stone on the bdy. bears N. 2° 35' E., 1.31 chs. dist. This is also an ∠ cor. of P. L. C.
	Set a cobblestone, 18 x 10 x 8 ins., 12 ins. in the ground, for closing cor. of fract. secs. 3 and 10 marked C. C. on E. and A. J. M. on W. face, and raise a mound of stone, 2½ ft. base, 2 ft. high, E. of cor. Pits impracticable.
	Thence across the claim.
46.20	Road leading from Rock City to head of Settlement Canon, bears N. and S.
46.40	Wire fence bears N. and S.
48.20	Settlement Canon Creek, 20 lks. wide, 12 ins. deep, rapid current, rocky bottom, course N. 13° W. in Settlement Canon which is 1000 ft. below ridge on E., course N. 13° W. and S. 13° E.
50.10	Leave creek bottom and ascend mountain, bears N. 15° W. and S. 15° E.
60.10	Intersect W. bdy. of A. J. McCristine private

Chains	
	land claim at a point from which the 3 mile stone on the claim bdy. bears S. 13° 08' E., 11.13 chs. dist.
	Set a sandstone, 16 X 9 X 5 ins., 11 ins. in the ground, for closing cor. of fracl. secs. 3 and 10, marked 4. S. M. and 2 grooves on E., with 3 grooves on S. and C. C. on W. faces; and raise a mound of stone, 2½ ft. base, 1½ ft. high, W. of cor. Site impracticable.
72.31	Leave oak brush.
80.00	The cor. of secs. 3. 4. 9. and 10.
	Land, rolling mountains.
	Soil, loam and gravelly; 1st and 3rd rate.
	No timber.
	Undergrowth oak and sage brush.
	Mountainous land or land covered with dense undergrowth, 80.00 chs.

Knowing from other connections with bdy. of Tp. that the line running N. bet. secs. 3 and 4 will not intersect within the prescribed limits I run

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

Ascend ridge through brush.

3.00	Top of ridge, 20 ft. above cor. bears N. 60° E. and S. 60° W.
8.00	Hollow, 60 ft. below ridge, course N. 80° E.; ascend.
13.50	Top of ridge, 20 ft. above hollow, bears N. 80° E.; descend.
22.00	Swale, course N. 50° E.; leave brush; ascend.
25.50	Enter oak brush, bears N. and S.
26.00	Top of ridge, bears N. 80° E.; descend.
34.00	Hollow, course N. E.; ascend.
36.25	Leave oak brush, bears E. and W.
40.00	Set a quartzite stone, 20 X 10 X 6 ins., 15 ins. in the ground, for ¼ secs. cor., marked ¼ on W. face; and raise a mound of stone, 2½ ft. base, 1½ ft. high. W. of cor.

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

Chains	
	Pits impracticable.
	This cor. is about 20.00 chs. W. from the left hand fk. and the main Settlement Cañon.
42.50	Top of spur of ridge, 30 ft. above hollow, bears N. 80° E. and S. 80° W.; descend.
47.10	Bottom of hollow, 70 ft. below ridge, course E. to creek; ascend.
55.00	Top of ridge, 20 ft. above hollow, bears S. 80° E. to creek at S. end of lucerne field.
54.50	Enter brush, bears E. and W.
75.80	Intersect N. bdy. of Tp. 360 lks. N. 88° 54' W. from cor. of secs. 3. 4. 33, and 34. which is a sandstone, 10 x 6 x 5 ins., firmly set in the ground, marked and witnessed as described by the surveyor general.
	Set a sandstone, 14 x 9 x 7 ins., 9 ins. in the ground, for closing cor. to secs 3 and 4. marked C. C. on S. and 3 grooves on E. and W. faces, and raise a mound of stone, 2½ ft. base, 1½ ft. high S. of cor.
	Pits impracticable.
	Land, mountainous.
	Soil, gravel and rock; 3rd and 1st rate: highly cultivated in Settlement Cañon.
	Good grass for grazing.
	No timber. Undergrowth, oak and maple.
	Mountainous land or land covered with dense undergrowth. 75.80 chs.
	I destroy all marks on the cor. of secs. 3, 4, 33, and 34 that pertain to secs. 3 and 4.
	Sept. 15 : [illegible] 9' 1" a. m. l. m. t. set off 40 25' on the lat. arc; 2° 40' N. on the decl. arc; and determine a true meridian with the solar at the cor. of secs. 4. 5, 32 and 33. on the S. bdy. of Tp. which is described heretofore.
	Thence I run
	N. 0° 3' W., bet secs. 32 and 33.
8.10	Bottom of hollow. 30 ft. below cor., course N. 40° W.
12.50	Ridge, 10 ft. above hollow, bears N. 35° W.; descend.

Subdivision of T. 4 S. R. 4 W. — Continued.

Chains.	
14.50	Foot of steep descent from ridge, 50 ft. below ridge, bears E. and W, thence descend gradually. Enter Soldier Cañon
30.25	Creek in Soldier Cañon, 12 lks. wide, 1 ft. deep, rapid current, rocky bottom, course W.
33.50	Road in Soldier Cañon bears E. and W.
35.00	Boulder, 15 lks W. of line, 8 x 6 x 6 ft.
38.00	Foot of mountain, leave cañon, ascend bears E. and W.
40.00	Set a blue limestone, 18 x 8 x 6 ins., 11 ins. in the ground, for 1/4 sec. cor., marked 1/4 on W. face; and raise a mound of stone, 2 1/2 ft. base, 2 ft. high, W. of cor. Pits impracticable.
42.50	Top of ridge, 60 ft. above cañon, bears S. 45° W. and N. 45° E.; descend.
56.50	Bottom of small cañon, 60 ft. below ridge, course S. 20° W.; thence along E. slope of mountain
80.00	Set a blue limestone, 18 x 10 x 5 ins., 12 ins in the ground, for cor. of secs. 28, 29, 32 and 33, marked 1 notch on S. and 4 notches on E. edges; and raise a mound of stone, 2 1/2 ft. base, 2 ft. high, W of cor. Pits impracticable.
	Sand, rolling mountains.
	Soil, sand, loam and gravel; 1st and 2nd rate.
	Good grass for grazing.
	No timber; Undergrowth, pinion pine.
	Mountainous land or land covered with dense undergrowth 80.00 chs.
	Sept. 15: At this cor. I set off 2° 38' W on the decl. arc; and at 0h 4m P.M. L.M. observe the sun on the meridian the resulting lat is 40° 26'
	S. 89° 51' E., on a random line bet. secs. 28 and 33.
40.00	Set temp. 1/4 sec. cor.
79.50	Intersect N. and S. line, 10 lks. N. of cor.

6 of secs. 27. 28. 33. and 34.
hence I run
N. 89° 47' W. on a true line bet. secs. 28. and 33.
Ascend over mountain ridges through scrub cedar and pinion timber and oak brush.

12.00 Top of ridge, 60 ft. above hollow, bears N. 20° E. and S. 20° W. to Soldier Canon.
14.00 Bottom of hollow, 60 ft below ridge, course S. 20° W.
30.00 Ridge, 30 ft. above hollow, bears S. 10° W. and N. 30° E.
35.50 Bottom of hollow, course S. 5° W.
39.75 At a sand coated limestone, 20 x 8 x 6 ins. 15 ins. in the ground, for 1/4 sec. cor., marked 1/4 on N. face; and raise a mound of stone, 2½ ft. base, 1½ ft. high, W. of cor. Pits impracticable. This cor. is on top of ridge bears N. and S.
40.00 Head of swale, course S.
43.00 Divide ridge bet. two branches of Soldier Canon, 30 ft. above swale, bears N. 10° W. and S. 10° E.
70.00 Cross of branch of Soldier Canon 5.00 ft. below ridges, course S. 15° W.
73.30 Pine, 30 ft. above canon, bears N. and S.
78.00 Hollow, 10 ft. below ridge, course S. E.
79.50 The cor. of secs. 28. 29. 32. and 33.

Land, mountainous.
Soil, gravelly and stony; 2nd and 3rd rate.
Good grass for grazing.
Timber, scattering scrub cedar and pinion pine; undergrowth, oak and sage brush.
Mountainous land or land covered with scattering timber and dense undergrowth, 79.50 chs.

Sept. 15, 1896

Sept 16 At 8h 31m a. m. l. m. t. I set off 40° 26' on the lat. arc, 2° 18' N. on the decl.

Chains	arc, and determine a true meridian with the cedar at the cor. of secs 28, 29, 32 and 33.
	Thence I run
	N. 0° 3' W., bet. secs. 28 and 29.
	Over mountain, through scattering cedar, pinion pine and oak brush.
20	Bottom of hollow; course S. E.; ascend.
11.00	Top of spur of ridge, 200 ft. above cor. bears S. 70° W.
18.00	Bottom of hollow, 40 ft. below cor. course W.; ascend.
17.50	Top of spur of ridge, 90 ft. above hollow bears S. 75° W.; descend.
27.00	Bottom of hollow, 80 ft. below ridge, course S. 83° W.
30.17	Leave scattering cedar and pinion pine.
40.00	Set a candelsmc, 16 x 8 x 6 ins., 10 ins. in the ground, for 1/4 sec. cor., marked 1/4 on W. face; and raise a mound of stone, 2½ ft. base, 2 ft. high, W. of cor. Pits impracticable.
	Thence run ridge and hollow
42.00	Top of spur of low ridge, 20 ft. above hollow, course S. 89° W.; descend.
43.75	Bottom of hollow, course S. 89° W.; ascend.
48.00	Top of spur of ridge, 30 ft. above hollow, bears S. 89° W.; descend.
37.00	Bottom of hollow, 85 ft. below ridge, course S. 85° W.
	Leave oak brush and ascend through sage brush.
60.00	Top of spur, 60 ft. above hollow, bears S. 80° W.; descend.
62.60	Swale, 20 ft. below ridge, course S. 30° W.; ascend.
80.00	Top of ridge, 300 ft. above swale, bears N. 75° W. and S. 75° E.
	Set a limestone, 18 x 13 x 6 ins., 15 ins. in the ground, for cor. to secs. 20, 21,

Chains	
	28. and 29. marked. 2 notches on S. and 4 inches on E. edges; and raise a mound of stone, 2½ ft. base, 2 ft. high, W. of cor. Pits impracticable.
	Land, mountainous.
	Soil, gravel; 3rd rate.
	Good grass for grazing.
	Timber, scattering cedar and pinion pine. undergrowth, oak.
	Mountainous land or land covered with scattering timber and dense undergrowth, 80. 00 chs.
	S 89° 47' E. on a random line bet. secs. 21 and 28.
40.00	Set temp. ¼ sec. cor.
79.60	Intersect N. and S. line, 10 lks. S. of the cor. of secs. 21, 22, 27 and 28
	Thence I run
	N. 89° 53' W. on a true line, bet. secs. 2 and 28.
	Over mountainous land descend through oak brush.
11.10	Swale, 70 ft. below cor. course S. 40° W.; ascend
16.10	Top of ridge, 80 ft. above hollow, bears S. 35° W.; descend.
25.60	Bottom of hollow, 100 ft. below ridge, course S. 35° W.; it heads about 5. 00 chs. N. E.; ascend.
30.60	Top of spur of ridge, 120 ft. above hollow bears S. 30° W. and N. 30° E.; descend.
34.60	Bottom of hollow, 70 ft. below ridge, course S. 25° W.; it heads about 5. 00 chs. N. E.; ascend.
39.80	Set a limestone, 16 x 10 x 5 ins., 9 ins. in the ground, for ¼ sec. cor., marked ¼ on N. face; and raise a mound of stone, 2½ ft. base, 1½ ft. high, N. of cor. Pits impracticable.
40.10	Top of spur of ridge, 60 ft. above hollow, bears S.

Subdivision of T. 3 S., R. 3 W. — Continued

Chains	
80.00	Set a limestone, 16 X 10 X 6 ins., 11 ins. in the ground, for cor. of secs. 28, 29, 32, and 33, marked with 1 notch on S., and 4 notched on E. edges; and raise a mound of stone, 2 ft. base, 2 ft. high, W. of cor. Pit impracticable. This cor. is on side of hill sloping E., 100 ft. above cañon.
	Land, mountainous.
	Soil, loam and gravelly; 1st and 3rd rate.
	Good grass for grazing.
	Timber pine; undergrowth, oak, service berry, and wild rose.
	Mountainous and heavily timbered land, or land covered with dense undergrowth 80.00 chs.
	July 30. At this cor. I set off 18° 16' E. on the decl. arc, and at 0h 3m p. m. l. m. t. observe the sun on the meridian; the resulting lat. is 40° 31'.
	East on a random line bet. secs. 28 and 33.
40.00	Set temp. 1/4 sec. cor.
80.30	Intersect N. and S. line, 33 lks. S. of cor. of secs. 27, 28, 33 and 34.
	Thence I run
	S. 89° 46' W. on a true line bet. secs. 28 and 33.; descend through dense undergrowth
2.14	Bottom of gulch, 30 ft. below sec. cor., course N. 10° E.
12.26	Top of divide ridge bet. Toole and Salt Lake Counties, bears N. 5° W. and S. 5° E. 500 ft. above cor.
17.83	Trail, leading from Bingham to Pine Cañon, bears N. 30° W. and S. 30° E.
20.75	Enter aspen saplings, bears N. and S.
24.65	Bottom of hollow, course N. 45° W. 500 ft. below ridge.
33.10	Leave aspen saplings, bears N. and S.
33.10	Top of spur, bears N. W. and S. E. 60 ft. above hollow.
38.75	Bottom of gulch, course N. 300 ft. below ridge.
40.13	Set a quartzite stone, 18 X 8 X 6 ins., 12 ins. in the ground, for 1/4 sec. cor., marked 1/4 on N. face, and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.

Chains	
	Pits impracticable.
40.50	Top of spur of ridge, bears N.; descend.
45.00	Swale, 60 ft. below ridge, course N.; ascend.
47.30	Top of ridge, bears N. 80° W.; and S. 80° E.; descend.
52.75	Hollow, 120 ft. below ridge, course N. 80° W.; ascend.
63.00	Top of ridge, 100 ft. above hollow, bears E. and W., terminates 20.00 chs. below.
69.00	Hollow, 80 ft. below ridge, course N.; ascend.
73.20	Top of ridge, 200 ft. above hollow, bears N.; descend.
79.50	Hollow, 120 ft. below ridge, course N.;
80.00	Set a blue limestone, 16 X 12 X 4 ins., 12 ins. in the ground, for cor. to secs. 16, 17, 21, and 21, marked with 3 notches on S. and 4 notches on E. edges; and raised a mound of stone, 2½ ft. base, 1½ ft. high, W. of cor. Pits impracticable.
	Land, mountainous
	Soil, gravel and rock; 3rd rate.
	Good grass for grazing.
	No timber; Undergrowth, oak.
	Mountainous land or land covered with dense undergrowth, 80.00 chs.
	Sept. 16. At this cor. Decl. off 2°15' E. on decl. arc; and at 11h 59' A.M. l.mn. W. observe the sun on the meridian, the resulting lat. is 40°28'
	S. 89° 33' E., on a random line bet. secs. 16 and 21.
40.00	Set temp. ¼ sec. cor.
80.00	Intersect N. and S. line at the cor. of secs. 15, 16, 21, and 22.
	Thence I run
	N. 89° 53' W., on a true line bet. secs. 16 and 21.
	Over mountainous land through oak and mahogany undergrowth.
13.50	Top of divide, 220 ft. above cor., bears N. 20° E. and S. 20° W.; descend.
25.50	Bottom of branch canon, 190 ft. below ridge, course N. 10° W.; ascend.

Chains	
38.00	Top of ridge. 250 ft. above canon, bears N. 20° W. and S. 20° E.
	Enter pine and aspen timber.
40.00	A pine sapling, 3 ins. diam., for 1/4 sec cor. bears 1/4 S. on N. face; from which
	A pine, 4 ins. diam., bears N. 8 lks. dist., marked 1/4 S., T3. T.
	An aspen, 5 ins. diam., bears S. 7 lks. dist., marked 1/4 S., T3. T.
	This cor. is on the head of a swale, course N. 20° W.
45.00	Leave timber.
48.00	Bottom of canon, 230 ft. below ridge, course N. 3° W.
50.00	Small ridge in center of canon, bears and slopes N. 22° W.
54.20	Small hollow in canon, course N. 30° W.
	Leave pine and aspen timber.
69.75	Divide ridge, bet. right hand fk. of Little Mint canon and a canon on the W. bears N. 45° W., and a spur bears N. 20° E.
80.00	The cor. of secs. 16, 17, 20, and 21.
	Land, mountainous.
	Soil, gravel; 3rd rate.
	Good grass for grazing.
	Timber pine and aspen; undergrowth, oak and mahogany.
	Mountainous or heavily timbered land or land covered with dense undergrowth, 80.00 chs.

	N. 1° W. bet. secs. 16 and 17.
	Ascend mountain through mahogany and oak brush.
14.70	Top of divide ridge, 300 ft. above cor. bears N. 75° W.
	Descend N. slope of mountain through

Chains	
	under
24.50	Bottom of hollow, 220 ft. below ridge, course N. 31° E.; ascend.
30.00	Spur, 150 ft. above hollow, bears and slopes N. 50.° E.; descend.
37.00	Bottom of swale, 30 ft. below ridge, course N. 45° E.; ascend.
38.50	A ledge of quartzite, on top of spur 20 ft. above swale, bears N. 51° E.; descend
40.00	Set a quartzite stone, 16 x 12 x 4 ins., 12 ins. in the ground, for 1/4 sec. cor., marked 1/4 on W. face; and raise a mound of stone, 3 ft. base, 2 1/2 ft. high, W. of cor. Pits impracticable.
79.70	Bottom of cañon, 230 ft. below cor., course N. 75° W.
80.00	Set a blue limestone, 15 x 10 x 5 ins., 11 ins. in the ground, for cor. of secs. 8. 9. 16. and 17. marked with 4 notches on S. and 4 notches on E. edges; and raise a mound of stone, 2 1/2 ft. base, 1 1/2 ft. high, W. of cor. Pits impracticable.
	Land, mountainous.
	Soil, gravel; 3rd rate.
	Good grass for grazing.
	No timber. Underdergrowth, oak and mahogany.
	Mountainous land or land covered with dense undergrowth, 80.00 chs.
	Sept. 16, 1896.

Sept 17 : At 8h 58m a. m. l. m. t. I set off 40° 29' on the lat. arc; 1° 54' N. on the decl. arc; and determine a true meridian with the solar, at the cor. secs. 8. 9. 16. and 17.

Thence I run

S 89° 53' E. on a random line bet. secs. 9 and 16.

40.00	Set temp. 1/4 sec. cor.
79.75	Intersect N. and S. line 20 lks N. of cor.

Chains.	
	of secs. 9. 10. 15. and 16.
	Thence I run
	N. 89° 44' W., on a true line bet. secs. 9 and 16.
	Over mountain, through oak, mahogany and maple undergrowth.
40	Bottom of swale, course N. 20° E.; ascend mountain.
19.00	Top of divide mountain bet. Settlement Canon and a canon on the W., 700 ft. above canon, bears N. 35° W. and S. 35° E.; descend.
33.50	Bottom of hollow, 500 ft. below divide, course S. 55° W.; about 25.00 chs. to canon; ascend.
39.87½	Set a sandstone, 20×10×9 ins., 15 ins. in the ground, for ¼ sec. cor., marked ¼ on N. face; and raise a mound of stone, 2½ ft. base, 1½ ft. high, N. of cor. Pits impracticable.
42.00	Leave oak and mahogany.
43.50	Top of ridge, 200 ft. above hollow, bears and slopes S. 35°. W., descend S. W. slope of mountain.
53.00	Enter mahogany and oak undergrowth
77.00	Bottom of hollow, 250 ft. below ridge, course S. 40° W.; ascend.
78.80	Top small ridge, on canon, bears S. 30° W. and N. 30° E.
79.75	The cor. of secs. 8. 9. 16. and 17.
	Land, mountainous.
	Soil, gravel; 2nd and 3rd rate.
	Good grass for grazing.
	No timber.
	Undergrowth, oak, maple, and mahogany.
	Mountainous land or land covered with dense undergrowth, 79.75 chs.

N. 0° 3' W. bet. secs. 8 and 9.

Subdivision of T. 4 S. R. 4 W. – Continued.

Chains	
	Ascend over mountainous land through oak and sage undergrowth.
2.00	Leave oak brush.
9.50	Ridge, 140 ft above cor. bears and slopes S. 74° W., descend
17.70	Swale, 100 ft. below ridge, course S. 30° W.; ascend.
23.50	Spur, bears and slopes W.; descend.
30.50	Bottom of swale, 90 ft. below spur, course W.; ascend.
34.00	Top of spur, 80 ft. above swale, bears E. and W.; descend.
37.00	Small hollow, 30 ft. below spur, course W.; ascend.
40.00	Top of spur, 40 ft. above hollow, bears E. and W.
	Set a sandstone, 15 x 10 x 6 ins., 9 ins. in the ground, for 1/4 sec. cor. marked 1/4 on W. face; and raise a mound of stone, 2½ ft. base, 1½ ft. high. W. of cor. Pits impracticable.
46.75	Bottom of hollow 80 ft. below cor. course W.; ascend.
56.00	Top of ridge, 150 ft. above hollow, bears S. 71° W. and N. 71° E.
66.00	Bottom of hollow, 130 ft. below ridge, course W.; ascend.
75.00	Top of spur, 170 ft. above hollow, bears and slopes W.
80.00	Set a quartzite stone, 16 x 9 x 8 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, 2½ ft. base, 1½ ft. high. W. of cor. Pits impracticable.
	Land, mountainous.
	Soil, gravelly; 3rd rate.
	Good grass for grazing.
	Undergrowth, oak and sagebrush.
	No timber.
	Mountainous land or land covered with

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

Chains.	
	dense undergrowth 80.00 chs.
	Sept. 17" At this cor. I set off 1°57' N. on decl. arc: and at 0h 3m 2½ Ms. time to observe the sun on the meridian the resulting lat is 40°30'
	S. 89° 44' E., on a random line, bet. secs. 4 and 9.
40.00	Set a temp. ¼ sec. cor.
80.18	Intersect N. and S. line, 15 lks. S. of the cor. of secs. 3, 4, 9, and 10.
	Thence I run
	N. 89° 50' W.; on a true line bet. secs. 4 and 9.
	Over mountain ascend through oak and sage brush.
33.00	Top of divide bet. Settlement Cañon and Tooele Valley on W., 800 ft. above cor., course N. 10° W and S. 10° E.; descend along ridge that bears W.
40.09	Set a blue limestone, 16 X 12 X 10 ins., 11 ins. in the ground, for ¼ sec. cor. marked ¼ on N. face; and raise a mound of stone, 2½ ft. base, 1½ ft. high, N. of cor. Pits impracticable.
	Continue descent of slope of mountain.
80.18	The cor. of secs. 4. 5. 8 and 9.
	This cor. is about 700 ft. below ¼ sec. cor.
	Land, mountainous.
	Soil, gravel; 2nd rate.
	Good grass for grazing.
	No timber.
	Undergrowth, oak and sage brush.
	Mountainous land or land covered with dense undergrowth, 80.18 chs.
	Knowing that I will not fall within limits I run
×	N. 0° 3' W., on a true line bet. secs. 4 and 5.
	Over mountainous land, descend through sage brush.
8.25	Bottom of hollow, 80 ft. below cor., course S. 80° W.; ascend.

Chains	
20.50	Top of ridge, 140 ft. above hollow, bears and slopes N. 80° W.; descend.
30.75	Bottom of hollow, 120 ft. below ridge, course N. 80° W.; ascend.
37.75	Top of ridge, 130 ft. above hollow, bears N. 17° W.; descend.
40.00	Set a quartzite stone, 18 X 10 X 9 ins., 13 ins. in the ground, for 1/4 sec. cor., marked 1/4 on W. face; and raise a mound of stone, 2½ ft. base, 1½ ft. high, W. of cor. Pits impracticable. This cor. is on the N. E. slope of the hill.
43.25	Bottom of hollow, 80 ft. below 1/4 sec. cor., course S.E.; ascend.
46.35	Top of ridge, 70 ft. above hollow, bears N. 30° W.; descend.
54.25	Bottom of hollow, 90 ft. below ridge, course W.; ascend.
63.00	Top of spur, 130 ft. above hollow, bears N. 80° W.; descend.
72.00	Bottom of hollow, 110 ft. below spur, course N. 50° W.; ascend.
74.50	Top of ridge, 50 ft. above hollow, bears W.
77.20	Intersect N. bdy. of Tp., 6.00 chs. W. of cor. of secs. 4, 5, 32, and 33. Set a quartzite 18 X 10 X 6 ins. 12 ins. in the ground, for closing cor. of secs. 4 and 5 marked 4 grooves on E., 2 grooves N., C.C. on S. faces, and raise mound of stone, 3 ft. base, 2 ft. high S. of cor. Pits impracticable. Land mountainous. Undergrowth, sage brush. Soil, gravelly; 3rd rate. No timber. Mountainous land or land covered with undergrowth, 77.20 chs.

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

Sept. 18 – : At 8 30m a. m. l. m. t. I set off 40 29m on the lat. arc; 1 31 N. on the decl. arc; and determine a true meridian with the solar at the cor. of secs. 4, 5, 8, and 9.

Subdivision of T. 4 S. R. 4 W. – Continued.

Chains	
	From the cor. of secs. 4. 5. 8. and 9.
	Thence I run
	West on a random line bet. secs. 5 and 8.
7.00	I find no trace of foot of mountain cor.; therefore
	I continue W. on a retracement line
40.00	I find no trace of 1/4 sec. cor.
	Set temp. 1/4 sec. cor.
80.00	I find no trace of cor of secs. 5. 6. 7 and 8; therefore I
	Set temp. cor. of secs 5. 6. 7. and 8.
	I continue the retracement line West bet. secs. 6 and 7.
40.00	I find no trace of 1/4 sec. cor.; therefore I
	Set temp. 1/4 sec. cor.
74.00	Intersect the W. bdy. of Tp. 200 lks. N. of cor. of secs. 1. 6. 7. and 12. which is a cobble stone. 6 X 12 X 4 ins., above ground and marked and witnessed as described by the surveyor general.
	Thence I run
	East, on a true recovery line bet. secs. 6 and 7.
5.70	Wagon road, bears N. W. and S. E.
39.90	Wagon road, bears N. W. and S. E.
40.00	I find no trace of 1/4 sec. cor.
	Set a blue limestone, 14 X 10 X 7 ins., 3 ins in the ground, for reestablished 1/4 sec cor., marked 1/4 on W. face; dig pits, 18 X 18 X 12 ins. E. and W. of cor. 3 ft. dist, and raise a mound of earth, 3 1/2 ft. base, 2 ft. high, N. of cor.
73.25	County road leading from Tooele City to Stockton, bears N. W. and S. E.
80.00	I find no trace of sec. cor.
	Set a quartzite stone, 20 X 12 X 4 ins., 15 ins. in the ground, for reestablished cor. of secs 5, 6, 7, and 8, marked with 5 notches on S., and 5 notches on E. edges; and raise a mound of stone,

Chains 2½ ft. base, 2 ft. high, W. of cor. Pits impracticable.
Land, rolling, nearly level.
Soil, sandy loam; 1st. and 2nd. rate.
Good grass for grazing.
No timber.
Undergrowth sage brush

Thence I run
East, on a true resurvey line bet. secs. 5 and 8.
14.30 A barb wire fence, 3 wires, bears N. 52° E.
23.50 Ascend on to bench.
40.00 I find no trace of ¼ sec. cor.
Set a quartzite stone, 14 x 8 x 4 ins., 9 ins. in the ground, for reestablished ¼ sec. cor., marked ¼ on N. face; and raise a mound of stone, 3 ft. base, 2½ ft. high, N. of cor. Pits impracticable
47.20 Bottom of hollow, 50 ft. below bench, course N. 70° W.
51.70 Foot of mountain; begin ascent.
73.00 I find no trace of foot of mountain cor.
74.00 Intersect N. and S. line, 200 lks. S. of the cor. of secs. 4, 5, 8 and 9.
Cont. 16.00 W 22.30 S 11.70
Set a quartzite stone, 16 x 7 x 5 ins., 11 ins. in the ground, for closing cor. of secs. 5 and 8, marked with C. C. on W., 5 grooves on S., and 4 grooves on E. edges; and raise a mound of stone, 2 ft. base, 2 ft. high, W. of cor. Pits impracticable. Note.—I destroy the marks on the cor. of secs. 4, 5, 8 and 9 which have reference to secs. 5 and 8
Land level and mountainous.
Soil, sandy loam and gravelly; 1st and 2nd rate.
Good grass for grazing.
Undergrowth sage brush.
No timber.
Mountainous land, 22.30 chs.

Sept. 18. At this cor., I set off 1° 28' N. on decl. arc. and at 11h 55m A.M. Cmt.
Observe the sun on the meridian; the resulting lat. is 40° 30'

Chains From the cor. of secs. 28. 29. 32. and 33.
Thence
N. 89° 30' W. on a random line bet. secs. 29 and 32.
41.50 Set temp. ¼ sec. cor.
72.16 Intersect N. and S. line 20 lks E. of the cor. of secs 29. 31. 31. and 32., which is the remains of a decayed stake in old mound, marked and witnessed as described by the surveyor general. I reestablished the same as follows:
Set a limestone, 12 x 16 x 7 ins., 8 ins. in the ground, for the reestablished cor. of secs 29. 30. 31. and 32. marked with 1 notch on S. and 3 notches on E. edges; from which
A cedar, 4 ins. diam., bears N. 12° E. 111 lks dist., marked T. 4 S. R 4 W., S 29. B. T.
A pinon pine, 8 ins. diam., bears N. 17° W., 127 lks dist. marked T. 4 S. R. 4 W. S 31, B. T.
A pinon pine, 5 ins. diam., bears S. 11° W. 127 lks dist., marked T. 4 S. R. 4 W. S 31, B. T.
A pinon pine, 4 ins diam., bears S. 37° E. 78 lks dist. marked T. 4 S. R. 4 W. S 32, B. T.
Thence S. run
East on a true line, bet. secs. 29 and 32.
Open mesa through undergrowth.
8.00 Leave mesa, sloped W.
10.17 Bottom of hollow, course S. 30° W.
18.17 Top of broad ridge, 10 ft. above hollow, bears S. 40° W. and N. 40° E.
Find no trace of post of mountain cor.
24.00 Bottom of hollow, 90 ft. below ridge, course S. W. and joins Soldier Canon.
31.00 Top of spur, 110 ft. above hollow, bears S. W.
32.16 Set a limestone, 17 x 12 x 8 ins., 12 ins.

Chains

in the ground, for 1/4 sec. cor. marked 1/4 on N. face; from which
A cedar, 7 ins. diam., bears N. 40° E., 32 lks. dist., marked 1/4 S., T. 3 S.
A cedar, 9 ins. diam., bears S. 50° W., 20 lks. dist., marked 1/4 S., T. 3 S.

Thence descend into hollow, through sage brush and cedar.

49.00 Bottom of hollow, 100 ft. below ridge, course S. 40° W. terminates in Soldier Canon.

65.75 Top of spur, 150 ft. above hollow; descend S. 10° W., descend.

72.16 The cor. of secs. 28. 29. 32. and 33.

Land, mountainous.
Soil, sandy loam; 2nd rate.
Good grass for grazing.
Timber, pine and cedar.
Mountainous or heavily timbered land or land covered with dense under-growth 72.16 chs.

From the cor. of secs. 20, 21, 28. and 29, described heretofore I run West, on a true line bet. secs. 20 and 29. Descend into right hand fork of Spring Canon

23.00 Bottom of canon, 300 ft. below cor. course S. W.

33.00 Top of ridge. 250 ft. above canon bears S. 35° W.; descend.

40.00 Set a sandstone limestone, 18 x 8 x 6 ins., 13 ins in the ground, for 1/4 sec. cor. marked 1/4 on N. face; and raise a mound of stone, 2 1/2 ft. base, 1 1/2 ft. high, N. 1/4 cor. Pits impracticable.

47.50 Bottom of branch of Spring Canon, 321 ft.

Chains	
	below ridge, course N. 60° W.; ascend.
61.25	Edge of mesa, Enter sage brush.
80.00	Set a limestone, 18 x 10 x 7 ins. 11 ins. in the ground, for cor. of secs. 19, 20, 29 and 30, marked with 2 notches on S. and 5 notches on E. edges; and raise a mound of stone, 2½ ft. base, 1½ ft. high, W. of cor. Pits impracticable.
	Land, mountainous and level
	Soil, gravelly and sandy; 2nd and 3rd rate.
	Good grass for grazing.
	Undergrowth, sage brush
	No timber.
	Mountainous land or land covered with dense undergrowth.

Sept. 19, 1896.

Sept. 19 : At 8h 1m a. m. l. m. I set off 40.27 on the lat. arc; 1° 9' N. on the decl. arc; and determine a true meridian with the solar at the cor. of secs. 19, 20, 29, and 30.

From the cor. of 19, 20, 29, and 30, established this day, I run

S. 0° 4' E. on a random line bet. secs. 29 and 30.

Over broad low ridges and small ravines, through scattering cedars and sage brush.

40.00	I set temporary ¼ sec. cor.
45.00	No trace of foot mountain cor.
60.00	Intersect E. and W. line, 7.46 chs. W. of cor. of secs. 29, 30, 31, and 32.
	Thence I run
	N. 0° 4' W., on a true line bet. secs. 29 and 30.
11.40	Bottom of hollow, 70 ft. below sec. cor., course S. 80° W.; ascend.
13.50	Top of ridge, 70 ft. above hollow, bears S.

Chains	
	75° W.
24.30	Bottom of hollow, 80 ft. below ridge, course S. 60° W.; ascend.
35.00	I find no trace of foot of mountain cor.
40.00	Top of ridge, 100 ft. above hollow, bears S. 43° W.
	Set a quartzite stone, 25 x 12 x 5 ins.; 15 ins. in the ground, for 1/4 sec. cor., marked 1/4 on W. face; from which
	A cedar, 5 ins. diam., bears N. 83° W. 32 lks. dist., marked 1/4 S., T. 3. T.
	A cedar, 5 ins. diam., bears N. 15° E. 30 lks. dist., marked 1/4 S., T. 3. T.; and
	raise a mound of stone, 2½ ft. base, 1½ ft. high, N. of cor.
45.50	Hollow, 50 ft. below ridge, course S. 45° W.; ascend. This is Spring Canon.
52.90	Spur of ridge, 60 ft. above hollow, bears S. 5-2° W., descend.
56.30	Hollow, 70 ft. below ridge, course S. 48° W.; ascend.
59.50	Ridge, 80 ft. above hollow, bears and slopes S. 40° W.
63.75	Swale, 60 ft. below ridge, course S. W.; ascend.
67.00	Top of ridge, 50 ft. above swale, bears N. 80° W.; descend.
70.60	Wagon road, leading from a mine to rail road depot, bears N. 70° W.
75.00	Edge of mesa, bears N. W. and S. E.
80.06	Intersect E. and W. line, 7.40 chs. E. of the cor. of secs. 19 and 20.
	Set a sandstone, 18 x 12 x 5 ins., 13 ins. in the ground, for closing cor. of secs. 29 and 30, marked with C. C. and two grooves on S., and 5 grooves on E. faces; and raise a mound of stone, 2½ ft. base, 1½ ft. high, W. of cor. Site impracticable. Note. I destroy the marks on the cor. of secs. 19, 20, 29 and 30, which have reference to cor. of secs. 29 & 30.
	Land mountainous.

Chains. Soil, sandy and gravelly; 2nd and 3rd rate
Good grass for grazing.
Timber, pine. Undergrowth, sage brush.
Mountainous or heavily timbered
land or land covered with dense
undergrowth. 80. 0.0 chs.

X From the cor. of secs. 19. 20.
described heretofore I run
West, on a random line bet. secs. 19
and 30.

32. 32 Intersect the ¼ sec. cor. bet. secs. 19 and 30,
18 lks. S. of the cor., which is a sand-
stone, 9 x 7 x 3 ins. above ground
firmly set and marked and
witnessed as described by the
surveyor general.

Thence I run
S. 89° 47' E., on a true line bet. secs.
19 and 30.

Ascend through sage brush

6. 60 I find no trace of foot of mountain
cor.

20. 30 Water ditch, course S. W., on spur of
small ridge.

23. 30 Hollow, 20 ft. below ridge, course N. 80° W.

32. 32 The cor. of secs. 19. 20. X
Sand, rolling and broken, nearly level.
Soil, gravelly loam; 2nd rate.
Good grass for grazing.
Undergrowth sage brush.
Timber, scattering cedar, on eastern portion
Mountainous land, or land covered with
dense undergrowth 25. 96 chs.

X N. 0° 4' W., bet. secs. 19. and 20.
Over high ridges through sage brush
and rock; descend.

4. 40 Wash in Spring Canon, 30 ft. below sec.

Chains cor., course W.; ascend, a spring bears W. 300 lks.

4.60 Road, bears S. W.

11.50 Top of ridge, 80 ft. above canon, bears W. and terminates about 10.00 chs. below.

17.20 Bottom of hollow, at foot of mine dump, course S. 80° W.

18.25 Old wagon road, leading from a mine to a mill, not in use, bears S. W. and N. E.

21.00 Bottom of mine dumps, deserted.

22.10 S. E. cor. of mine's blacksmith shop.

29.25 Top of spur, 100 ft. above hollow, bears S. 70° W.

32.25 Wagon road in bottom of hollow, descend 40 ft. below ridge, bears S. W. and N. E.

40.00 Set a stone, 16 x 14 x 8 ins., 10 ins. in the ground, for 1/4 secs. cor., marked 1/4 on W. face; and raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor. Site impracticable.

This cor. is on hill side, sloping S. W. and near top of ridge

43.50 Ridge, 130 ft. above hollow, bears S. 70° W.; descend.

50.50 Bottom of swale, 80 ft. below ridge, course W.; ascend.

Enter scattering cedar

57.00 Top of spur, 100 ft. above swale, bears and slopes N. 70° W.; descend.

75.00 Bottom of hollow, 120 ft. below ridge, course N. 80° W.; ascend.

80.00 Set a quartzite stone, 24 x 10 x 7 ins., 18 ins. in the ground, for cor. of secs. 17. 18. 19. and 20, marked with 3 notches on S., and 5 notches on E. edges; from which

A cedar, 4 ins. diam., bears N. 71° 30' E., 20 lks. dist., marked T. 4 S., R. 4 W., S. 17, B. T.

A cedar, 5 ins. diam., bears N. 1° W., 15 lks. dist., marked T. 4 S., R. 4 W.

Chains	
	S. 18, B. T.
	Acedar 11 ins. diam., bears S. 71° W., 5 lks. dist., marked T. 4 S., R. 4 W., S. 19. B. T.
	Acedar, 14 ins. diam., bears S. 71° E., marked T. 4 S. R. 4 W. S. 20. B. T.
	This cor. is on side of mountain 200 ft. above hollow.
	Land, mountainous, ridges and hollows.
	Soil, gravel and sand; 2nd and 3rd rate.
	Good grass for grazing.
	Timber, scattering pine. Undergrowth oak and sage brush.
	Mountainous land or land covered with dense undergrowth, 80. 00 chs.
	Sept. 19; At this cor. I set off 1° 5' N. on deck. arc. and at 11h 58' A.M. Cor. observe the sun on the meridian thus resulting lat. 40° 25'
	From the cor. of secs. 17, 18, 19, and 20. I run
	East on a random line bet. secs. 17 and 20.
	U.S.M.M. No. 4, bears N. 82° E. 19. 30 chs. dist. from this cor.
40. 00	Set temp. 1/4 sec. cor.
80. 00	Intersect N. and S. line, 20 lks. N. of the cor. of secs. 16. 17. 20. and 21.
	Thence I run
	N. 89° 51' W. on a true line bet. secs. 17 and 20.
	Descend over mountain through oak brush.
12. 25	Bottom of hollow, 130 ft. below sec. cor. course S. 40° W.; ascend.
19. 00	Top of ridge, 160 ft. above hollow, bears S. W. and N. E.; descend.
24. 00	Bottom of swale, 80 ft. below ridge, course S. 40° W.; ascend.
38. 00	Top of ridge, 160 above swale, bears N. 80° W., and S. 80° E.
40. 00	Set a limestone, 17 x 8 x 7 ins., 12 ins. in the ground, for 1/4 sec. cor., marked 1/4 on N. face; and raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.
	Pits impracticable.

Chains	
49.00	Bottom of hollow, 160 ft. below ridge, course S. 20° W.; ascend.
51.00	Top of ridge, 0 ft. above hollow, bears N. and S. and terminates 8.00 chs. below.
57.25	Cross hollow last named, 90 ft. below ridge, course N. 45° W.; ascend.
65.00	Top of ridge, 140 ft. above hollow, bears N. 65° W.
73.00	Bottom of last named hollow, course S. 55° W.
80.00	The cor. of secs. 17, 18, 19, and 20.
	Land, mountainous.
	Soil, loam and rocky; 2nd. and 3rd. rate.
	Good grass for grazing.
	Timber, scattering cedar; under-growth, oak and sage brush.
	Mountainous land, or land covered with dense undergrowth, 80.00 chs.
	Sept. 19, 1876.

Sept. 21 : At 8h 57m a.m. l.m.t. I set off 40° 28' on the lat. arc; 0 21 N. 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

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

40.00	Set temp. 1/4 sec. cor.
72.88	Intersect W. bdy. of T., 32 lks. S. of the cor. of secs. 13, 18, 19, and 24, which is a flint 7 x 18 x 8 ins. above ground, marked and witnessed as described by the surv. general.
	S. 89° 45' E. on a true line bet. secs. 18 and 19.
	Ascend over rocky ground
5.60	Top of low ridge, 60 ft. above sec. cor.; descend.
11.20	Bottom of hollow, 50 ft. below ridge, course N. 60° W.; ascend.
24.00	Top of spur, 120 ft. above hollow, bears

Chains.	
	S. 87° W.
29.00	Head of swale, 80 ft. below ridge, course S. 74° W.; ascend.
32.88	Set a flint stone, 14 x 9 x 6 ins., 9 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. Site impracticable.
36.00	Top of ridge, 170 ft. above 1/4 sec. cor., bears N. 60° W.; descend.
48.00	Bottom of hollow, 150 ft. below ridge, course N. 60° W.
64.38	Spur of ridge, 200 ft. above hollow, bears S.
68.98	Wagon road in canon, 150 ft. below ridge, course N. 21° W.
	Enter scrub cedar.
72.88	The cor. of secs. 17, 18, 19, and 20.
	Land mountainous.
	Soil, gravelly and rocky; second and third rate.
	Good grass for grazing.
	Timber cedar;
	Mountainous land is heavily timbered land 72.88 chs.

	N. 0° ¼ W. bet. secs. 7. and 18.
	One mountainous land through scrub cedar; ascend.
5.50	Top of ridge, 150 ft. above sec. cor., bears S. 80 W.; and terminates about 5.00 chs. below at junction of hollows.
16.50	Swale, 120 ft. below ridge, course S. W.; ascend.
	Have cedar.
24.00	Top of ridge, 136 ft. above hollow, bears W.; descend.
30.00	Head of hollow, 00 ft. below ridge, course W.; ascend.
33.17	Top of ridge, 90 ft. above hollow, bears

Chains. W.; descend.

40.00 Swale. 40 ft. below ridge, course W.; ascend.
Set a sandstone, 20 x 10 x 6 ins., 15 ins. in the ground, for 1/4 sec. cor., marked 1/4 on W. face; and raise a mound of stone, 2 1/2 ft. base, 1 1/2 ft. high, W. of cor.
Pits impracticable.
From this cor. the R. R. Depot bears N. 78° W. about two miles distant.

45.75 Top of ridge, 100 ft. above 1/4 sec. cor., bears N. 70° W.; descend.

79.00 Hollow. 380 ft. below ridge, course N. 30° W.; ascend.

80.00 Set a blue limestone, 22 x 10 x 6 ins., 17 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 1/2 ft. base, 1 1/2 ft. high, W. of cor. Pits impracticable.
Land rolling mountains.
Soil, loam and gravel; 3rd rate.
Good grass for grazing.
Undergrowth scrub cedar.
No timber.
Mountainous land or land covered with dense undergrowth, 80.00 chs.
Sept. 21st at this cor. I set off 0° 18' N. on decl. arc: and at 0h 7m P.M. limit. observe the sun on the meridian the resulting lat. is 40° 29'

S. 89° 51' E. on a random line bet. secs. 8 and 17.

40.00 Set temp. 1/4 sec. cor.

79.80 Intersect N. and S. line, 20 lks. N. of the cor. of secs. 9, 8, 16, and 17.
Thence I run
N. 89° 42' W. on a true line bet. secs. 8 and 17.
Over mountainous land through dense oak undergrowth; descend.

50 Road in cañon, bears N. 53° W. and S. 53° E.; ascend.

5.75	Leave oak brush.
12.20	Top of smooth ridge, 100 ft. above hollow, bears N. W. From this point a house bears N. 29° E., about 40.00 chs. dist.
16.50	Enter oak brush.
18.10	Bottom of hollow, 80 ft. below ridge, course N. W.
21.00	Leave oak and enter sage brush.
25.90	Top of smooth ridge, 110 ft. above hollow, bears N. W. and S. E. From this point a house bears N. 18° 48' W. about 33.00 chs. dist.; descend.
31.00	Bottom of hollow, 90 ft. below ridge, course N. W. A grove of maple 50 lks. through in hollow; ascend.
39.70	Set a quartzite stone, 20 x 12 x 10 ins., 15 ins. in the ground, for ¼ sec. cor., marked ¼ on N. face; and raise a mound of stone, 2½ ft. base, 1½ ft. high, N. of cor. Site impracticable. A field of brush 10.00 chs. N. of line, extends W. about 60.00 chs.
53.00	Enter oak brush, bears N. and S.
55.00	Bottom of hollow, 160 ft. below ridge, course N. 20° W.; ascend.
59.50	Ridge, 80 ft. above hollow, bears N. W. and S. E.; descend.
61.40	Wire fence, bears N. W. and S. E.
63.00	Enter oak brush.
63.50	Leave oak brush.
69.25	Hollow, 80 ft. below ridge, course N. 63° W.; ascend.
76.00	Enter oak brush.
79.80	The cor. of secs. 7, 8, 17 and 18.
	Land, rolling mountains.
	Soil, sandy loam and gravelly, 1st and 2nd rat.
	Good grass for grazing.
	No timber; undergrowth oak.
	Mountainous land, or land covered with dense undergrowth, 79.80 chs.
	Sept. 21, 1896.

September 22: At 7h 30m a. m. I set off 40° 29' on the lat. arc; 0° 2' S. on the decl. arc; and determine a true meridian with the solar at the cor. of secs. 7, 8, 17 and 18.

Chains	
	Thence I run
	N. 89° 45' W., on a random line bet secs. 7 and 18.
40.00	Set temp. ¼ sec. cor.
60.30	I find no trace of foot of mountain cor.
73.24	Intersect W. bdy. of Tp. at the cor. of secs. 7, 12, 13, and 18, which is a sandstone, 15 x 10 x 6 ins., above ground, and marked and witnessed as described by the surveyor general.
	Thence I run
	S. 89° 45' E., on a true line, bet secs. 7 and 18,
	Over foot hills.
19.60	County road from Toole City to Stockton, bears N. 10° E. and S. 10° W.
20.00	I find no trace of foot of mountain cor.
25.10	Foot of mountain, bears N. 10° W. and S. 10° E., begin ascent.
33.24	Set a quartzite stone, 14 x 8 x 6 ins. 9 ins. in the ground, for ¼ sec. cor., marked ¼ on N. face; and raise a mound of stone, 2½ ft. base, 2 ft. high, N. of cor. Pits impracticable. This cor. is on spur of ridge, about 100 ft. above foot of mountain, bears S. E. and N. W.
46.60	Spur of ridge, 150 ft. above ft. of mountain, bears N. W. 3.00 chs.; descend.
50.10	Enter oak brush, bears N. and S.
	A Swale, course N. W.
68.50	Ridge, 30 ft. above swale, bears N. and S. Leave oak brush.
70.10	Enter oak brush.
73.00	Hollow, course N. 20° W.; ascend.
73.24	The cor. of secs. 7, 8, 17, and 18.
	Land, rolling and mountainous.
	Soil, loam and gravelly; 2nd rate.
	Good grass for grazing.
	No timber; undergrowth, oak.
	Mountainous land, or land covered with dense undergrowth, 48.14 chs.

N. 0° 4' W., on a random line bet. secs. 7 and 8.

3.00 I find no trace of foot of mountain cor.

Thence I run N. on a retracement line.

40.00 Find no trace of ¼ sec. cor.

Set temp ¼ sec. cor.
78.65 Intersect E. and W. line, 6.26 chs. W. of cor. of secs. 5, 6, 7, and 8, described heretofore.
Thence I run
South, on a true resurvey line, bet. secs. 7 and 8.
9.50 Old road, bears N. W. and S. E.
11.75 Wire fence, bears N. 52° E. and S. 52° W. to Nichols's cor.
Thence it bears S. E.
15.60 Enter lucern field.
27.50 Leave lucern field at foot of bench; enter oak brush; ascend.
33.30 Spur, 75 ft. above foot of bench, bears S. W.; descend
40.00 I find no trace of original ¼ sec. cor.
Set a cobble stone, 24 x 10 x 4 ins., 15 ins. in the ground, for reestablished ¼ sec. cor., marked ¼ on W. face; and raise a mound of stone, 2½ ft. base, 1½ ft. high, W. of cor. Pits impracticable.
40.50 Spur, 60 ft. above hollow; bears N. 80° W.; descend.
41.50 Wash, course N. W.
43.65 Wash, course N. W.
57.15 Wire fence, bears N. 15° W. and S. 15° E.
65.15 Hollow, 40 ft. below ridge course N. W.
77.00 I find no trace of foot of mountain cor.
77.15 Leave oak brush.
78.65 Intersect E. and W. line, 6.26 chs. S. 89° 42' E. of cor. of secs. 7, 8, 17, and 18.
Set a quartzite stone, 14 x 10 x 6 ins., 9 ins. in the ground, for closing cor. of secs. 7 and 8, marked C. C. on N., 4 grooves on S., and 5 grooves on E. faces, and raise a mound of stone, 3 ft. base, 2 ft. high, N. of cor. Pits impracticable.
Destroy all marks on cor. of secs. 7, 8, 17, and 18, that pertain to secs. 7 and 8.
Land, rolling foot hills.
Soil, sandy loam; 2nd rate
Good grass for grazing.
No timber; Undergrowth, oak and sage.

This 22nd day of September, 1896, I discharge Andy J. Stewart, who performed the duties of mound-man and axeman. No officer authorized

to administer oaths, other than myself, being available, without great inconvenience, delay and expence, I administer the required final oath.

Andrew J. Stewart Jr.
U. S. Dep. Sur.

General Description.

This township contains a variety of land, mountain ridges, benches, hollows, gulches, and cañons. The soil of the bottoms of the cañons, hollows, swales, gulches, and low flat benches, is generally rich black loam, capable of producing winter wheat, barley, and lucern, without irrigation. The soil of the remaining portion of the township is gravel mixed with loam, and may be classed as 2nd and 3rd rate. The entire township is covered with rich and nutritious grasses, and is well adapted for grazing purposes, and is now being grazed by numerous horses, cattle, and sheep. There is a large stream of water at the mouth of Settlement Cañon which comes from the springs in the Cañon. There is also a good stream in Soldier Cañon. These streams are both used on lands out of the township. The southwestern part of the township is covered with scrub cedar, mahogany and pinon pine; and the central and southern part has many large groves of pine and aspen timber. There is a deserted cabin and farm in section 36 in Soldier Canon; and two cabins, cultivated land and lucern land in sec. 5. Moses H. Bruneau has a private land claim, a cabin and two coal kilns in secs. 13, 14, 23 and 24. John B. Gordon has a private land claim in secs. 1 and 2. Peter Clegg has a private land claim in sec. 2. Alvin J. McCuistion has a private land claim in secs. 3 and 10. Peter Clegg's D. E. No. 2257 is partially embraced in his private land claim. Bruneau's claim embraces Daniel W. Rench's D. E. No. 494. Able Parker, D. E. No. 57, and Wm. Parker D. E. No. 760, I could not find, nor their improvements. Secs. 15, 16, 17, 20, 21 and 30, are mineral lands. I was unable to find any mineral monuments in the Rush Valley Mining District within my survey except No. 1, and think the others are obliterated.

Andrew J. Stewart Jr. U. S. Dep. Sur.

Meanders of John B. Gordon's private land claim.

John B. Gordon, having duly presented his claim and proofs of 20 years adverse possession of a tract of land in sec. 35, and 36, Tp. 3 S., R. 4 W., and secs. 1 and 2, in Tp. 4 S., R. 4 W., in accordance with special instructions, I proceed to locate and meander the claim as follows;

At a point 2.00 chs. E. and 40.02 chs. N. from the 1/4 sec. cor. on S. bdy. of sec. 35 on line bet. Tps. 3 and 4 S., R. 4 W. I set a quartzite stone, 24 x 12 x 5 ins., 18 ins. in the ground, for beginning cor. marked J. B. G. Beg. Cor. on S. E. face; and raise a mound of stone, 3 ft. base, 2½ ft. high, S. E. of cor. Pits impracticable.

September 8: At 10h 0m a. m., l. m. t. I set off 40° 30' on the lat. arc; 5° 20' N. on the decl. arc; and determine a true meridian with the solar, at the above described cor.

Thence I run with meanders in sec. 35.

Over cultivated ground.

East 20.00 chs. At 12.50 chs., leave plowed ground, bears N. and S. Enter oak brush. At 18.00 chs. foot of steep ascent. At 20.00 chs. Set a yellow sandstone, 24 x 8 x 6 ins 16 ins. in the ground, for angle cor. on boundary of claim, marked J. B. G. 2 on S. W. face; and raise a mound of stone, 2½ ft. base, 1½ ft. high, S. W. of cor. Pits impracticable.

South 20.00 chs. Ascend through scattering oak brush. At 11.50 chs. spur of ridge, bears W. descend. At 14.50 chs., swale, course N. W.; ascend. At 17.30 chs. spur of ridge, bears W.;

descend. At 18.30 chs. swale, course W.; ascend. At 19.50 chs. spur of ridge, bears N. 70° W., and S. 70° E. descend. At 20.00 chs. end of course; point about 2.50 chs. E. of N. end of a piece of cultivated land, area about 1½ acres. Set a quartzite stone, 30 x 10 x 6 ins., 16 ins. in the ground, for ½ mile cor., marked J. B. G. ½ M. on W. face; and raise a mound of stone, 2½ ft. base, 3 ft. high W. of cor. Pits impracticable.

East 17.30 chs. At 15.00 chs., ridge, bears N. W. At 17.04 chs., intersect line bet. secs. 35 and 36, T. 3 S., R. 4 W. at a point 59.78 chs. S. 0° 6' W. from cor. of secs. 25, 26, 35 and 36. At 17.30 chs. Set a quartzite stone, 20 x 12 x 8 ins., 13 ins. in the ground, for angle cor., marked J. B. G. ∠ on S. face; and raise a mound of stone, 3 ft. base, 2 ft. high, S. W. of cor. Pits impracticable.

South 22.70 chs. At 6.00 chs. ridge, bears N. W. and S. E. At 20.02 ch. Tp. line, 30 lks. E. from cor. of secs. 35 and 36, Thence in sec. 1 T. 4 S. R. 4 W. At 22.70 chs. set a sandstone, 20 x 5 x 8 ins. 13 ins. in the ground for 1 mile cor. marked J. B. G. M. on W. face; and raise a mound of stone, 2½ ft. base 1½ ft. high, W. of cor. Pits impracticable.

Land, rolling and broken.
Soil, loam and gravelly; 1st and 2nd rate.
No timber; undergrowth oak.
Mountainous land, or land covered with dense undergrowth, 67.50 chs.

Boundary of P. L. C. T. 4 S. R. 4 W. Continued.

Thence continue in sec. 1.

South, 10.5 chs. Set a quartzite stone, 16 x 12 x 6 ins. 9 ins. in the ground, for angle cor., marked ∠ J. B. G. on S. face; and raise a mound of stone, 3 ft. base, 1½ ft. high, S. of cor. Pits impracticable.

East 4.00 chs. Set a sandstone, 22 x 7 x 4 ins., 16 ins. in the ground for angle cor. marked ∠ J. B. G. on S. W. face; and raise a mound of stone, 2½ ft. base, 1½ ft. high, S. W. of cor. Pits impracticable.

South, 52.03 chs. At 4.95 chs. swale, course W.; ascend. At 8.95 chs. spur of ridge bears W.; descend. At 17.70 chs. swale course S. W.; ascend. At 18.70 chs. spur, bears W.; descend. At 21.45 chs. Branch of Corner Cañon 40 ft. below ridge. Spring 10.00 chs. S. E. course N. W.; ascend. At 30.95 chs. ridge N. side of Corner Cañon, bears N. W. and S. E. At 34.95 chs. Set a quartzite stone, 16 x 10 x 10 ins., 11 ins. in the ground for 1½ mile cor., marked J. B. G. ½ M. on W. face; and raise a mound of stone, 2½ ft. base 1½ ft. high, W. of cor. Pits impracticable. At 39.70 chs. swale, course N. W.; ascend. At 50.00 chs. Corner Cañon course N. W.; ascend. At 52.03 chs. Set a quartzite stone, 16 x 12 x 7 ins., 9 ins. in the ground for angle cor., marked ∠ J. B. G. on N. W. face; and raise a mound of stone, 2½ ft. base, 1½ ft. high, N. W. of cor. Pits impracticable. This cor. is the S. E. cor. of the claim.

Boundary of P.S.C., T. 4 S. R. 4 W. Continued

West 22.92 chs. At 4.80 chs. line bet. secs. 1 and 2. At a point 22.37 chs. N. 1/4 W. from cor. of secs. 1, 2, 11, and 12. Thence in sec. 2. At 22.92 chs. set a sandstone, 18 X 12 X 7 ins., 12 ins. in the ground, for 2 mile cor., marked J. B. G. 2 M. on N. face; and raise a mound of stone, 3 ft. base, 2 ft. high, N. of cor. Pits impracticable.

Land, rolling and broken.
Soil, loam and gravelly; 1st and 2nd rate.
No timber.
Good grass for grazing.
Mountainous land, or land covered with dense undergrowth, 80.00 chs.

Thence continue in sec. 2; over mountainous land through dense undergrowth.
West 1.28 chs. Set a quartzite stone, 16 X 12 X 7 ins. 12 ins. in the ground, for angle cor., marked ∠ J. B. G. on N. E. face and raise a mound of stone, 3 ft. base 2 ft. high, N. E. of cor. Pits impracticable. This cor. is the S. W. cor. of claim.
North, 12.14 chs. At 9.00 chs. Ridge; bears N. 35 W. and S. 55 E. At 12.14 chs. Set a quartzite stone, 16 X 12 X 7 ins., 11 ins. in the ground, for angle cor., marked ∠ J. B. G. on S. E. face; and raise a mound of stone, 2½ ft. base, 1½ ft. high, S. E. of cor. Pits impracticable.
S. 71° 30' E. 13.60 chs. Along S. line of Peter Clegg's private land claim 13.60 chs. to said Clegg's S. E. cor. Set a quartzite stone, 17 X 9 X 7 ins., 11 ins. in the ground, for angle cor., marked ∠ J. B. G. on S. E. face, and raise a mound.

Boundary of P. L. C. T. 4 S. R 4 W. Continued

of stone, 3 ft. base, 2 ft. high S. E. of cor. Pits impracticable
Thence along E. bdy: of Peter Cleggs P. L. C.

North 52.98 Chs. At 0.60 Chs. Corner Canon course N. W. about 3.00 chs. to spring At 4.00 chs. fence, bears S. 20° W. At 5.00 chs. top of ridge, bears S. W. and N. E. ascend. At 12.98 set a quartzite stone 19 X 10 X 8 ins. 12 ins in the ground; for 2½ mile cor. marked J. B. G. ½ M. on E. face; and raise a mound of stone 3 ft. base 1½ ft high E. of cor. Pits impracticable At 19.59 Chs. hollow, course N. W. ascend. At 24.50 Chs. spring branch 3 lks. wide in a branch of Corner Canon course N. W. At 36.00 chs. top of ridge bears West, descend. At 39.00 chs. swale course W., ascend. At 45.50 chs. top of spur bears W. descend At 48.16 chs. intersect the N. bdy of Tp at a point 7.00 chs. W. of cor. of secs. 35 and 36. At 52.50 chs. swale course W., ascend, At 52.98 chs. Set a quartzite stone 26 X 12 X 6 ins., 18 ins., in the ground for 3 mile cor. marked J. B. G. 3 M. on E. face, and raise a mound of stone 3 ft. base 2 ft. high E. of cor. Pits impracticable

Land, rolling
Soil, loam and gravelly: 1st and 2nd rate.
Good grass for grazing.
No timber
Mountainous land or land covered with dense undergrowth on 80.00 chs.

Thence continue on prc. 3.5-
Over rolling land through dense oak brush
along E. bdy. line of the Peter Clegg land claim
North 5.45 Chs. At 2.86 chs. top of spur of ridge
bears W. descend. At 5.45 chs.
set a limestone, 18 X 8 X 7 ins.
10 ins. in the ground, for angle
cor. marked J. B. G. L on N. E.
face, and raise a mound of
stone, 2½ ft. base, 1½ ft. high N.
E. of cor. Pits impracticable
Thence along N. bdy. line of Peter Clegg's
P. L. C.
West 30. Chs. At 16.00 chs. foot of mountain
bears N. and S. At 24.50 chs. hol-
-low course N.W. At 30.00 chs.
Set a quartzite stone 18 X 12 X 6 ins.
12 ins. in the ground for angle
cor. marked J. B. G. L on N. E.
face; and raise a mound of
stone 3 ft. base 2 ft. high N. E.
of cor. Pits impracticable
This is the S. W. cor. of J. B. Gordon's
P. L. C. and beg. cor. of Peter Clegg P. L. C.
From this cor. the Clamants house bears
N. E. 3.00 chs. dist.
North 29.75 Chs. At 4.35 chs. set a quartzite stone
Stone, 16 X 12 X 5 ins. 10 ins. in the ground
for 3½ mile cor. marked
J. B. G. ½ M. on E. face and
raise a mound of stone
3 ft. base 2 ft. high E. of cor.
Pits impracticable
At 29.75 Chs. the beginning cor. of
John B. Gordon's private land
Claim
Land rolling and broken
Soil, loam and gravelly 1st and 2nd rate
Good grass for grazing
No timber
Land Mountainous, or land covered with dense undergrowth 15.20 chs.
Total area of claim 153.95 acres

Boundary of P. L. C. T. 4 S. R. 4 W. Concluded

General Description of John B. Gordon's P. L. C.

The land in this claim is bench, canon and mountain ridges; On the bench land, in the bottom of hollows and canons, the soil is sandy loam; on the mountain ridges the soil is loam mixed with rock and gravil. About 15 acres has been cultivated as farm. The claimants house is on the W. side of his claim

The land is used principally as a pasture is nearly enclosed by a post and wire fence on the N. W. and S. sides, and a steep mountain on the E. side thus an enclosure is formed

Andrew J. Stewart Jr.
U. S. Deputy Surveyor

Note:- The original survey of John B. Gordon's Private Land Claim was made S. per. 5th 1896 and re-surveyed S. per. 8" in order to give connection with section land lines

Andrew J. Stewart Jr.
U. S. Deputy Surveyor

Boundary of P.L. 6. T. 4 S. R 4 W. Continued

Meanders of Peter Clegg's private claim.
Peter Clegg, having duly presented his claim and proofs of 20 years adverse possession of a tract of land in sec. 35 T. 3 S. R. 4 W. and sec. 2 T. 4 S. R 4 W. in accordance with special instructions, I proceed to locate and meander the claim as follows.
Begin at a point 2.00 chs. E. and 10.27 chs. N. of 1/4 sec. cor. on S. bdy of sec. 35 Tp 3 S. R. 4 W.
I set a sand stone 36 x 12 x 10 ins 24 ins. in the ground, for beginning cor. of Peter Clegg Claim, marked P. C. Beg. cor.
This is also an ∠ Cor. of James B. Gordon's P. L. 6.
Thence I run with meanders in sec. 35 Over gently ascending land through dense oak brush, and along bdy line of James B. Gordon's P. L. 6.
East 30.00 chs. At 5.50 chs. slight swale course N. W. At 15.00 chs. foot of mountain bears N. and S. At 30.00 chs., end of course, set a quartzite stone 24 x 12 x 6 ins., 18 ins., in the ground for angle cor. marked P. C ∠ on S. W. face; and raise a mound of stone 2½ ft. base 1½ ft. high S. W. of cor. Pits impracticable.
Thence along W. bdy. line of James B. Gordon's P. L. 6.
South 30.00 chs. At 2.39 chs. top of spur of ridge bears W. descend. At 5.93 chs. swale course W. ascend. At 10.00 chs. set a sand stone 16 x 12 x 4 ins., 11 ins. in the ground for ½ mile cor. marked P. C. ½ M. on W. face, and raise a mound of stone 3 ft. base 1½ ft. high W. of cor.
Pits impractical. At 10.27 chs I intersect S. bdy. line, at a point 7.00 chs. W. of cor. of secs. 35 and 36 T. 3 S. R. 4 W. Thence on sec. 2 At 12.93 chs. top of spur bears W. descend At 19.43 chs. swale

course W.; ascend. At 22.43 chs top of spur, bears W.; descend. At 33.93 chs. spring branch 3 lks wide in branch of Corner Canon course N.W. At 38.93 chs. hollow, course N. W.; ascend. at 50.00 chs. set a blue limestone, 24 x 10 x 4 ins., 10 ins. in the ground, for 1/4 mile cor., marked P. C. 1/4 M. on W. face; from which
An oak 3 ins. diam., bears S. 68° W. 28 lks. dist. marked P. C. 1/4 M. B. T.
An oak 4 ins. diam. bears N. 40° W. 68 lks. dist., marked P. C. 1/4 M. B. T.

Sand, rolling and broken.
Soil, loam and gravelly; 1st. and 2nd rate.
Good grass for grazing.
Undergrowth oak.
No timber.
Mountainous land or land covered with dense undergrowth, 80.00 chs.

Thence I continue in sec. 2.
Over mountainous land through dense oak brush.

South 8.43 chs. At 3.43 chs. Ridge bears S.W; ascend. At 4.43 chs. fence bears S. 20° W. At 7.83 chs. hollow, course N. W. about 3.00 chs. dist. to spring. At 8.43 chs. Set a quartzite stone, 13 x 10 x 5 ins., 10 ins. in the ground, for angle cor., marked P. C. ∠ on N. W. face; and raise a mound of stone, 2½ ft. base, 2 ft. high, N. W. of cor. Pits impracticable. This is also angle cor. of J. B. Gordon's claim; from which
A pine, 5 ins. diam., bears N. 39° W., 35 lks. dist., marked P. C. ∠ B. T. No other trees within limits.

N. 71° 30' W., 31.52 chs. At 13.60 chs. ∠ cor. of J. B. Gordon's private land claim. At 31.52 chs. Set a quartzite stone, 15 x 9 x 6 ins., 10 ins. in the ground for angle cor., marked ∠ P. C. on N. E. face; and raise a mound of stone, 2½ ft. base 1½ ft. high N. E. of cor. Pits impracticable. Thence

N. 0° 8' W. 40.05 chs. At .05 chs. Set a quartzite stone 16 x 7 x 6 ins., 10 ins. in the ground for 1½ mile cor., marked P. C. ½ M. on N. E. face; and raise a mound of stone, 2½ ft. base 1½ ft. high, N. E. of cor. Pits impracticable. At 38.12 chs. Intersect Tp. line 2.00 chs. E. of ¼ sec. cor. on S. side of sec. 35. Thence in Sec. 35. At 40.05 chs. Set a quartzite stone 18 x 10 x 7 ins., 12 ins. in the ground for 2 mile cor., marked 2 M. on E. face; and raise a mound of stone, 3 ft. base, 2 ft. high E. of cor. Pits impracticable.

Land, rolling and broken.
Soil, loam, 1st rate.
Good grass for grazing.
No timber.
Mountainous land, or land covered with dense undergrowth 80.00 chs.

Thence continue in sec. 35
[illegible] nearly level land, through dense oak brush.

N. 0° 8' W. 8.34 chs. To the beginning cor. of Peter Clegg's private land Claim.

Land, nearly level.

Soil, loam, 1st rate.
Good grass for grazing.
No timber; undergrowth, oak.
Land covered with dense undergrowth,
8.34 chs. Total area of claim 159.97 acres
September 10, 1896.

General Description.

Peter Clegg's private land claim, is principally high bench land, occupying part of what is known as Corner Canon. The soil in the bottom of the canons and hollows is dark loam, 1st rate, and that on the ridges is gravelly 3rd rate. Small parts of the land have been cultivated as a farm, but this season the land is used as a pasture. The claimants house is frame, and situated about 25.00 chs. S. and 15.00 chs. E. from the beginning cor. Members of the claimants family are occupying the house. The land is covered with an abundance of good grass and is used as a pasture for cattle and horses.

The claim is nearly enclosed by a wire fence.

There is a small stream of water in Corner Canon.

Andrew J. Stewart Jr.
U. S. Dep. Sur.

Note The original survey of Peter Clegg's Private land claim was made on the 5th day of September 1896. and resurveyed on the 10th day of September 1896 in order to give connection with land lines.

Andrew J. Stewart Jr.
U. S. Dep. Sur.

Meanders of Moses St. Bruneau's private land claim:

Moses St. Bruneau having duly presented his claim and proofs of 20 years adverse possession of a tract of land in secs. 13, 14, 23, and 24, T. 4 S., R. 4 W., I proceed, according to instructions to locate and meander the claim as follows:

Commence at the cor. of secs. 23, 24, 25 and 26, which is the beginning and S. W. cor. of M. St. Bruneau's private land claim, which is a quartzite stone, 16 x 10 x 8 ins. 11 ins. in the ground, marked M. St. B. Beg. Cor., with a mound of stone W of cor. Pits impracticable.

September 4: At 7h 32m a. m., l. m. t., I set off 46° 27' on the lat. arc. 6° 33' N. on the decl. arc; and determine a true meridian with the solar at the above described cor.

Thence I run with meanders, bet. secs. 23 and 24.

Over mountainous land through dense undergrowth of oak, choke-cherry and service-berry, along W. side of settlement Canon. N. 0° 1' W., 64.00 chs. At 2.50 chs. leave bottom of canon and ascend spur. Enter aspens. At 3.00 chs. top of spur, descends N. E. about 7.00 chs. to canon. At 9.00 chs. leave aspen grove at foot of ridge. Enter canon course N. E. about 10.00 chs. to main Settlement Canon. At 11.00 chs. Nigger gulch, bears N. E. and S. W.; ascend. At 18.50 chs. spur of ridge, bears E. At 40.00 chs. Set a quartzite stone 16 x 8 x 3 ins.; 11 ins. in the ground, for ¼ mile cor.; marked M. St. B. on

E. face and raise a mound of stone 2½ fr. base 1½ fr. high West of cor. Pits impracticable
At 45.20 chs. a balsom 4 ins diam. on line 1. mark with 2 notches on N. and S. faces. At 53.50 chs. a dug way road bears N. E. and S. W. At 56.50 chs. spur of ridge, bears N. E. and S. W.; At 64.00 chs. Enter pt element canon, set a quartzite stone 19X10X8 ins. 14 ins in the ground for angle cor. marked M.H.B & on E. face; and raise a mound of stone 2½ fr. base 1½ fr. high E. of cor. Pits impracticable

Thence in sec. 23 I mm
N. 35¼° W. 16.00 chs. Set a quartzite stone, 18X10X7 ins. 12 ins., in the ground for one mile cor. marked M.H.B.I.M.
from which
An aspen 4 ins diam bears S. 44° E. 100 lks. dist. marked M.H. B.I.M. T.4S.R.4W. S.23 B.T.
Land mountainous sloping to the East
Soil, loam and gravely 1st and 2nd rate
Good grass for grazing
Scattering timber
Mountainous land, or land covered with dense undergrowth 80.00 chs.

Thence in sec. 23
Over mountainous land Through dense undergrowth, and scattering pine and aspen timber
N. 35¼° W. 40.00 chs. At 3.68 chs. leave sec. 23
which point is 11.35 chs. N. 89° 38' W. from cor. of secs. 13, 14, 23 and 24.
Thence in sec. 14; At 25.00 chs.

Boundary of P.L.L.T. 4 S.R. 4 W. - Continued

A spring about 1.30 chs. E. of line,
At 32.55 chs. creek in settlement canon
25 lks. wide 5 ins. deep course N. W.
At 34.50 chs. the road in settlement canon
bears E. and W.
At 40.00 chs. set a quartzite stone 20x12x4
ins 15 ins. in the ground for 1/4 mile and
angle cor. on claim bdy. marked M.H.B
1/2 M. < on S. face and raise a mound
of stone 2 1/2 ft. base 1 1/2 ft. high S. of cor
Pits impracticable

Thence I nm
N. 5-4° 41' E. 10.00 chs. The end of course set a
quartzite stone 20x10x7 ins. 15 ins.
in the ground for angle and N. E.
cor. marked M. H. B. < on S. W. face
and raise a mound of stone 2 1/2
ft. base 1 1/2 ft. high S. W. of cor.
Pits impracticable

Thence I nm
S. 35° E. 30.00 chs. At 5.40 chs. a wash in canon
bears N. 80° W. At 6.40 chs. wagon road
bears N. 80° W. and S. 80° E.
At 10.00 chs. the top of ridge bears W
about 5 chs. to canon At 30.00
chs. set a quartzite stone 16x12x6 ins
11 ins. in the ground for 2 mile
cor. marked M. H. B. 2 M on S. face
and raise a mound of stone 2 1/2 ft
base 1 1/2 ft. high S. of cor.
Pits impracticable

Land mountainous 1st half mile slopes to
the east: Last half mile slopes to the
West.
Soil, sandy loam, and mixed with gravel
1st and 2nd rate
Good grass for grazing
Timber scattering pine and aspen undergrowth
oak chokecherry and service berry
Mountainous land or land covered with trees
on 80.00 chs.

8

S. 35° E. 1.37 chs. Set a quartzite stone 14 x 10 x 6 ins 9 ins. in the ground for angle cor. marked M. H. B. & cor. on S. W. face and raise a mound of stone 2 ft base 1½ ft. high S. W. of cor. Pits impracticable

Thence I run

East 28.17 chs. At 6.17 chs the line bet secs. 13 and 14 at a point 9.86 chs. N. 0° 1' W. of the cor. of secs. 13, 14, 23 and 24, thence in sec. 13 At 28.17 chs. the left hand fork of Kelsey's canon course S. 80° W. Set a quartzite stone 16 x 10 x 6 ins 11 ins in the ground for angle cor. on claim bdy. marked M H B. & on W. face from which

An oak 3 ins diam. bears S. 82½° E. 30 lks. dist marked M. H. B. S. 13 B. T. < T 4 S. R 4 W.

A maple 3 ins diam., bears S. 20° W. 35 lks. dist. marked M. H. B. & T. 4 S R. 4 W. B. T.

Thence I run

South 15.00 chs. At 0.90 chs. creek in left hand fork of Kelseys canon, 10 lks. wide 3 ins deep course S. 80° W. At 2.80 chs. road in canon bears N. 80° E. and S. 80° W.; ascend, At 8.50 chs. top of spur, bet right and left hand forks of Kelsey's canon, At 10.00 chs. the line bet. secs. 13 and 24 at a point from which the cor. of secs. 13, 14 23 and 24 bears N. 89° 38' W. 22.00 chs. dist.

Thence in sec. 24 At 10.46 Set a quartzite stone, 20 x 10 x 8 ins., 15 ins. in the ground for 2½ Mile cor. marked M. H. B. ½ M. on W. face; and raise a mound of stone 2½ ft. base 1½ ft high West of cor. pits impracticable.

At 12.50 chs. A wood road bears...

Boundary of P.L.C. T. 4 S. R. 4 W. continued

N. 80° E and S. 80° W. at 15.00 chs. end of course set a lime stone 16 x 10 x 8 ins., 11 ins. in the ground for angle cor. marked M.H.B. & on N. face from which
a choke cherry 6 ins. diam., bears N. 9½° W. 70 lks. dist. marked M. H. B. & B. T.
and raise a mound of stone 2½ ft. base 1½ ft. high N. of cor.
Pits impracticable

Thence I runs
West 12.00 chs. along N. slope of ridge that is south of the right hand fork of Kelseys cañon. at 12.00 chs. the end of course set a quartzite stone, 24 x 16 x 12 ins. 18 ins. in the ground for angle cor. marked M. H. B. & on N. W. face; and raise a mound of stone 2 ft. base 1½ ft. high N. W. of cor.
Pits impracticable

Thence I runs
South 23.46 chs. along East side of main settlement cañon over ridges and hollows
at 3.00 chs. top of ridge on S. side of Kelseys Cañon bears N. 80° W. and S. 80° E.
at 8.50 chs. bottom of rocky cañon course N. W. 80 feet below ridge, ascend
at 9.00 chs. wagon road bears N. W. and S. E. at 22.90 chs. dray road, bears N. 80° W. at 23.46 chs. set a quartzite stone 24 x 10 x 7 ins. 16 ins. in the ground for 3 mile cor. marked 3 M. B. 3. M. on W. face, from which

An oak, 6 ins. diam., bears S. 20° W. 85 lks. dist., marked M. M. B., 3 M., T. 4 S., R. 4 W. B.T.
An oak, 5 ins. diam., bears N. 30° W., 40 lks. dist., marked M. M. B. 3 M., T. 4 S., R. 3 W. B. T.
Land, mountainous, slopes W. to Settlement Canon.
Soil, dark loam in bottom of canon, gravelly on ridges; 1st and 2nd rate.
Good grass for grazing.
Timber scattering pine and aspen.
Undergrowth, oak, maple, choke-cherry, and service-berry.
Mountainous land, or land covered with dense undergrowth, 80.00 chs.

Thence continue in sec. 24.
Along E. side of Settlement Canon.
Through dense undergrowth, and scattering pine and aspen timber.
South, 51.41 chs. At 40.00 chs. set a quartzite stone, 12 x 9 x 7 ins., 8 ins. in the ground, marked M. M. B. ½ M. on W. face; from which,
A choke-cherry, 4 ins. diam., bears N. 48° 30' W., 26 lks. dist., marked M. M. B. ½ M. T. 4 S., R. 4 W., B. T.
An aspen, 4 ins. diam., bears S. 31° E. 77 lks. dist., marked M. M. B. ½ M., T. 4 S. R. 4 W. B. T.
At 51.41 chs., line, bet. secs. 24 and 25, set a quartzite stone, 24 x 12 x 5 ins., 18 ins. in the ground, for angle cor., marked M. M. B. 2

Boundary of U. S. C.-T. 4 S. R. 4 W.-Continued.

on N.W. face; from which
An aspen, 5 ins., diam., bears N. 33°
W. 25 lks. dist., marked M. A. B. & T. 4 S. R. 4 W., B. T.
An aspen, 6 ins. diam, bears N
87° W., marked M. A. B. & B. T.

Thence S. on line bet. secs. 24 and 25. Across the canon.
N. 89° 55' W. 10.00 chs. At 2.90 foot of descent, edge of flat. At 6.91 chs. Creek, 8 lks. wide,
course N. W. At 10.09 chs. beginning cor. of claim.

Sand, mountainous.
Soil, black loam; 1st rate.
Good grass for grazing.
Timber, scattering pine and aspen.
Undergrowth, oak and chokecherry.
Mountainous land, or land covered with
dense undergrowth, 61.41½ chs.
Total area of claim 129.78 acres

General Description.

Moses A. Bruneau's private land claim embraces the land in the bottom of a portion of Settlement Canon, and the mouth of the two forks of Kelsey's Canon.
The soil in the bottoms of the canons is sandy loam; 1st. rate, on the ridges it is gravelly 3rd rate.
The claiment has a frame house and two coal kilns near the central part of the claim, in the S. E. cor. of sec. 4.
The tract is well watered by the Settlement Canon creek and from waters of Kelsey's creek.
A small part of the land has been cultivated as a farm, but it is used mainly as a pasture being covered with nutritious grasses.
There is a very limited amount of pine and aspen timber on the Claim.

Andrew J. Stewart Jr
U. S. Deputy Surveyor.

Meanders of Alvan J. McCustion's private land claim.

Alvin J. McCustion, having duly presented his claim and proofs of 20 years adverse possession of a tract of land in secs. 3 and 10, T. 4 S., R. 4 W., I proceed in accordance with special instructions to locate and meander as follows:

At a point 3.20 chs N 88°44' E., from the cor. of secs. 33 and 34, T. 3 S., R. 4 W.,

Set a sandstone, 18 x 9 x 7 ins. 12 ins. in the ground for beginning cor. marked A. J. McC Beg. Cor. and raise a mound of stone, 3 ft. base, 2½ ft. high, S. W. of cor. Pits impracticable.

September 13: At 7h 31m a.m. l.m.t. I set off 40°30' on the lat. arc; 3°39' N. on the decl. arc; and determine a true meridian with the solar, at the above described cor.

Thence I run with meanders in sec. 3.

Over nearly level land through dense oak brush.

S. 27° E., 31.73 chs. At 3.00 chs. enter cultivated field At 6.00 chs. Wood road, bears N. and S., At 31.73 chs. set a sandstone, 18 x 8 x 6 ins. 12 ins. in the ground, for angle cor. marked A. J. McC on W. face; and raise a mound of stone, 2½ ft. base, 2 ft. high, W. of cor. Pits impracticable.

S. 18.5° E. 39.87 chs. At 2.00 chs. road, bears E. and W. At 8.00 chs. branch of Settlement cañon Creek, 15 lks. wide, 5 ins. deep course W. At 8.27 chs. set a sandstone, 20 x 12 x 5 ins., 12 ins. in the ground for ½ mile cor. marked A. J. McC on W. face; and raise a mound of stone, 2½ ft. base, 1½ ft. high, W. of cor.

Boundary of P. S. C. – T. 4 S. R. 4 W. Continued

Pits impracticable.
At 39.87 chs. set a sandstone, 20 x 10 x 7 ins. 15 ins. in the ground, for angle cor. marked A. J. McC. on W. face; and raise a mound of stone, 3 ft. base, 1½ ft. high W. of cor. Pits impracticable.

S. 2° 58' W. 8.40 chs. Set a sandstone, 18 x 9 x 6 ins., 15 ins. in the ground for 1 mile cor. marked A. J. McC. 1 M. on W. face; and raise a mound of stone, 3 ft. base, 1½ ft. high W. of cor. Pits impracticable.

Sand, mountainous.
Soil, in cañons loam, on ridges gravel; 1st and 2nd rate.
Good grass for grazing.
No timber.
Mountainous land or land covered with dense undergrowth, 80.00 chs.

Thence continue in sec. 3.
Over mountainous land through oak brush.
S. 2° 58' W. 1.31 chs. Line bet. secs. 3 and 10 at a point 35.20 chs.
S. 89° 44' E. from the cor. of secs. 3, 4, 9 and 10. Set a sandstone, 24 x 8 x 5 ins. 18 ins. in the ground, for angle cor. marked A. J. McC. on W. face; and raise a mound of stone, 2½ ft. base, 1½ ft. high, W. of cor. Pits impracticable.
Thence in sec. 10.
S. 2° 58' W. 35.27 chs. Set a sandstone, 24 x 8 x 5 ins. 18 ins. in the ground for angle cor. marked A. J. McC. on W. face; and raise a mound of stone, 2½ ft. base.

1½ fr. high. W. of cor. Pits impracticable

East 1.25 chs. Set a sandstone, 18 X 10 X 9 ins., 12 ins in the ground for angle cor. marked A. J. M. C. on W. face; and raise a mound of stone, 3 fr. base 2 fr. high W. of cor. Pits impracticable Thence I pine

S. 0° 30' E. 17.16 chs. At 5.15 chs. set a limestone 16 X 9 X 6 ins., 11 ins., in the ground for ½ mile cor. marked A. J. M. C. ½ M. on W. face; and raise a mound of stone 2½ fr. base, 2 fr. high W. of cor. Pits impracticable. At 16.16 chs. an old saw mill. At 16.70 chs. center of mill race flume. At 17.16 chs. set a sand stone 19 X 9 X 5 ins., 14 ins. in the ground for angle cor. marked A. J. M. C. on W. face; and raise a mound of stone 2½ fr. base 1½ fr. high W. of cor. Pits impracticable. Thence

S. 34° 17' E. 21.84 chs. set a blue lime stone 17 X 8 X 7 ins., 9 ins., in the ground for angle cor. marked A. J. M. C. on W. face; and raise a mound of stone, 3 fr. base 1½ fr. high W. of cor. Pits impracticable. Thence

S. 5° 8° E. 7.15 chs. Set a limestone 16 X 10 X 8 ins., 10 ins. in the ground, for 2 Mile cor. marked A. J. M. C. ½ M. on S. W. face, and raise a mound of stone 2 fr. base, 1½ fr. high S. W. of cor. Pits impracticable

Land mountainous
Soil, loam and graveley; 1st and 2nd rate
Good grass for grazing
No timber
Mountainous land or land covered with dense undergrowth on 80.00 chs

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Thence continue in sec. 10.

Boundary of P. L. No. T. 4 S. R. 4 W. - continued

Over broken and, along side of mountain through dense oak brush

S. 5° E. 3.20 Chs Set a limestone, 17 x 9 x 6 ins. 12 ins. in the ground for angle and S. E. cor. marked A. J. M. & L. on W. face, and raise a mound of stone 3 fr. base 2½ fr. high W. of cor. Pits impracticable. Thence

S. 35° 30' W. 2.00 Chs. At 1.00 Chs. Wagon road bears S. 5° E. and N. 5° W. At 1.70 Chs. Settlement canon creek 12 lks. wide 6 ins. deep course N. 80° W. At 2.00 Chs. set a gray limestone, 20 x 14 x 8 ins., 15 ins. in the ground for angle cor. marked A. J. M. & L. on N. face; and raise a mound of stone 3 fr. base, 2 fr. high N. of cor. Pits. impracticable Thence

N. 5° 7° 30' W. 19.00 Chs. At 0.50 Chs., creek 10 lks. wide 7 ins. deep course N. 45° W. At 19.00 Chs., set a sand stone, 22 x 14 x 4 ins., 17 ins., in the ground, for angle cor., marked A. J. M. & L. on N. E. face; and raise a mound of stone, 2½ fr. base 1½ fr. high, N. E. of cor. Pits impracticable. Thence

N. 25° W. 25.95 Chs. At 15.80 Chs. set a sandstone, 18 x 12 x 6 ins., 12 ins in the ground, for 2½ mile cor. marked A. J. M. & L. ½ M. on E. face; and raise a mound of stone 2½ fr. base, 2 fr. high E. of cor. Pits impracticable From this cor.

The center of a frame dwelling house bears S. 46° E. about 2.50 Chs. dist., and the S. W. cor. of the saw mill bears N. 60° E. about 5.00 Chs. dist

The bars bears S. 70° E. about 7.00 chs. dist.
At 28.98 chs. Set a sandstone 18 x 10 x 11 ins., 12 ins. in the ground for angle cor. marked D. J. Mc ⌐ on E. face; and raise a mound of stone 2 ft. base 2 ft. high, E. of cor. Pits impracticable.
Thence
N. 9° 15' E. 8.32 chs. At 5.00 chs. a swale dry S.
At 8.32 chs. Set a sandstone, 16 x 7 x 6 ins. 11 ins. in the ground for angle cor. marked D. J. Mc ⌐ on E. face; and raise a mound of stone, 3 ft. base 2 ft. high E. of cor. Pits impracticable.
Thence
N. 15° 05' W. 21.53 chs. At 18.00 chs. a swale dry.
E. At 21.53 chs. Set a sandstone, 18 x 10 x 6 ins., 12 ins. in the ground, for angle cor. marked D. J. Mc ⌐ M. on E. face; and raise a mound of stone, 3 ft. base, 2 ft. high E. of cor. Pits impracticable.
Land, mountainous.
Soil, loam and gravel, 1st and 2nd rate.
Good grass for grazing.
No timber.
Undergrowth oak and service-berry.
Mountainous land, or land covered with dense undergrowth on 8.00 chs.

Thence continue in sec. 10.
Along W. side of Settlement Canon through brush.
N. 13° 08' W. 11.13 chs. Set a sandstone 16 x 9 x 3 ins., 11 ins. in the ground for angle

cor., marked A. J. Mc ∠ on E. face; and raise a mound of stone 2 ft. base 1½ ft. high E. of cor. Pits impracticable. This cor. is on sec. line bet. secs. 3 and 10, at a point 19.90 chs. S. 89° 44' E. from the cor. of secs. 3, 4, 9, and 10, and is closing cor. of fractional secs. 3 and 10.

Thence in sec. 3.

N. 76° 52' E. 2.26 chs. Set a quartzite stone 16 x 10 x 8 ins., 11 ins. in the ground for angle cor. marked A. J. Mc ∠ on E. face; and raise a mound of stone 2 ft. base 1½ ft. high E. of cor. Pits impracticable.

Thence

N. 14° 48' W. 66.61 chs. At 26.61 chs. Set a quartzite stone 16 x 8 x 6 ins., 11 ins. in the ground for 3½ mile cor., marked A. J. Mc ½ M. on E. face; and raise a mound of stone 2 ft. base, 1½ ft. high, E. of cor. Pits impracticable. At 66.61 chs. Set a quartzite stone, 17 x 8 x 4 ins., 12 ins. in the ground for the four mile cor., marked A. J. Mc 4 M. on E. face; and raise a mound of stone, 2 ft. base 1½ ft. high E. of cor. Pits impracticable.

Land mountainous.

Soil, loam and gravel; 1st and 2nd rate.

Good grass for grazing.

No timber.

Undergrowth oak and serviceberry.

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

Thence continue in sec 3. Along W. side of Settlement Cañon, through oak and sage brush.

N. 14° 48' W. 11.11 chs. Intersect the N. bdy. of Tp. at a point from which the cor. of secs. 33 and 34 bears S. 88° 57' E. 1.59 chs. dist. Set a sandstone, 16 x 8 x 6 ins. 10 ins. in the

ground for angle and closing cor., marked A. J. Mc L on S. E. face and C. C. on W. face; and raise a mound of stone, 3 ft. base 2 ft. high S. E. of cor. Pits impracticable. Thence

S. 88° 37' E. 1.39 chs. The cor. of secs. 33 and 34 already described.

N. 88° 44' E. 5.20 chs. Along N. bdy of claim. At 0.20 chs. irrigation ditch, 15 lks wide, course N. At 3.00 chs. W. bank of Settlement Cañon creek which is 20 lks wide, banks 8 ft. high course N. At 5.20 chs. the beginning cor. of Alvin J. Mc Cuistion's private land claim.

Land, mountainous.
Soil, loam 1st. rate.
Good grass for grazing.
No timber.
Undergrowth oak and sage.
Mountainous land or land covered with dense undergrowth 17.70 chs.

Sept. 13, 1896.

General Description.

Alvin J. Mc Cuistion's private land claim is located in sec cor. 3 and 10 T. 4 S. R. 4 W. and lies mostly in the bottom of Settlement Cañon.

It is inclosed by a fence on the N. E. and S. sides, and on the W. side the mountain forms a natural fence.

The claimant's home, which is a frame house with two rooms; his saw-mill and barn are all located near the South end of the claim, where he also has an orchard and garden. About one third of the claim is highly cultivated as a farm and garden, and is irrigated from the Settlement Canon creek.

The soil in the bottom of the cañon is sandy loam, 1st. rate; on the ridges the soil is loam mixed with gravel, 2nd rate.

There is no timber on the claim, but where the land is not cleared, it is covered with a dense undergrowth of oak, choke cherry, service-berry and willows.

The land is well adapted for farming and stock raising.

The saw mill is not in use.

Total area of claim 159.37 acres.

Andrew J. Stewart Jr.
U. S. Dep. Surveyor.

Note - The original survey of Alvin J. McCuistion's Private land claim was made Sept. 6, 1896 and resurveyed on Sept. 18th 1896, in order to give connection with land lines.

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by Andrew J. Stewart Jr., United States Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the survey of subdivisions of T. 2 S. R. 3 W.; T. 2 S., R. 2 W.; T. 1 S. R. 3 W.; T. 2 S. R. 4 W.; T. 3 S. R. 3 W.; T. 3 S., R. 4 W.; T. 4 S. R. 3 W.; T. 4 S. R. 4 W.; showing the respective capacities in which they acted:

Andy J. Stewart, ~~Chainman~~ Moundman and Axman.

, Chainman.

, Moundman.

, Moundman.

, Axman.

, Axman.

, Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted Andrew J. Stewart Jr., United States Deputy Surveyor, in surveying all those parts or portions of the subdivision lines of T. 2 S., R. 3 W.; T. 2 S., R. 2 W.; T. 1 S., R. 3 W.; T. 2 S., R. 4 W.; T. 3 S. R. 3 W.; T. 3 S., R. 4 W.; T. 4 S., R. 3 W.; T. 4 S. R. 4 W. 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 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.

, Chainman.

, Chainman.

, Moundman.

, Moundman.

Andy J. Stewart, Axman.

, Axman.

, Flagman.

Subscribed and sworn to before me this 22nd day of September, 1896

Andrew J. Stewart Jr.
W. S. Deputy Surveyor

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 _____ bearing date of the United States Surveyor General for _____, 18__, 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 6, 1846.

United States Deputy Surveyor.

Subscribed by said _____, and sworn to before me this _____ day of _____, 18__.

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL.

[illegible] 1897

The foregoing field notes of the survey of The Subdivisions of Township 4 North Range 4 West of the Salt Lake Base & Meridian Utah

executed by Andrew J. Stewart Jr. under his contract No. [illegible], dated [illegible] December 1897, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

[illegible]

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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