Volume

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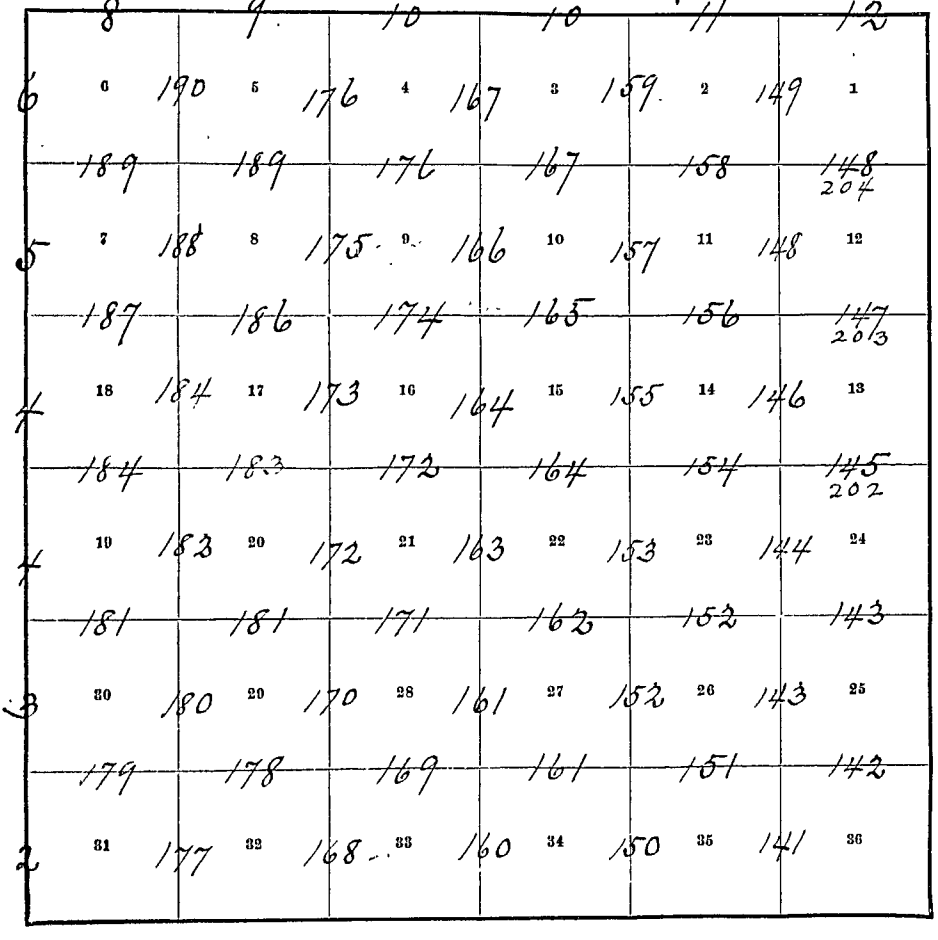
BOOK A-330

INDEX DIAGRAM.

Township 3 N., *Range* 7 W.



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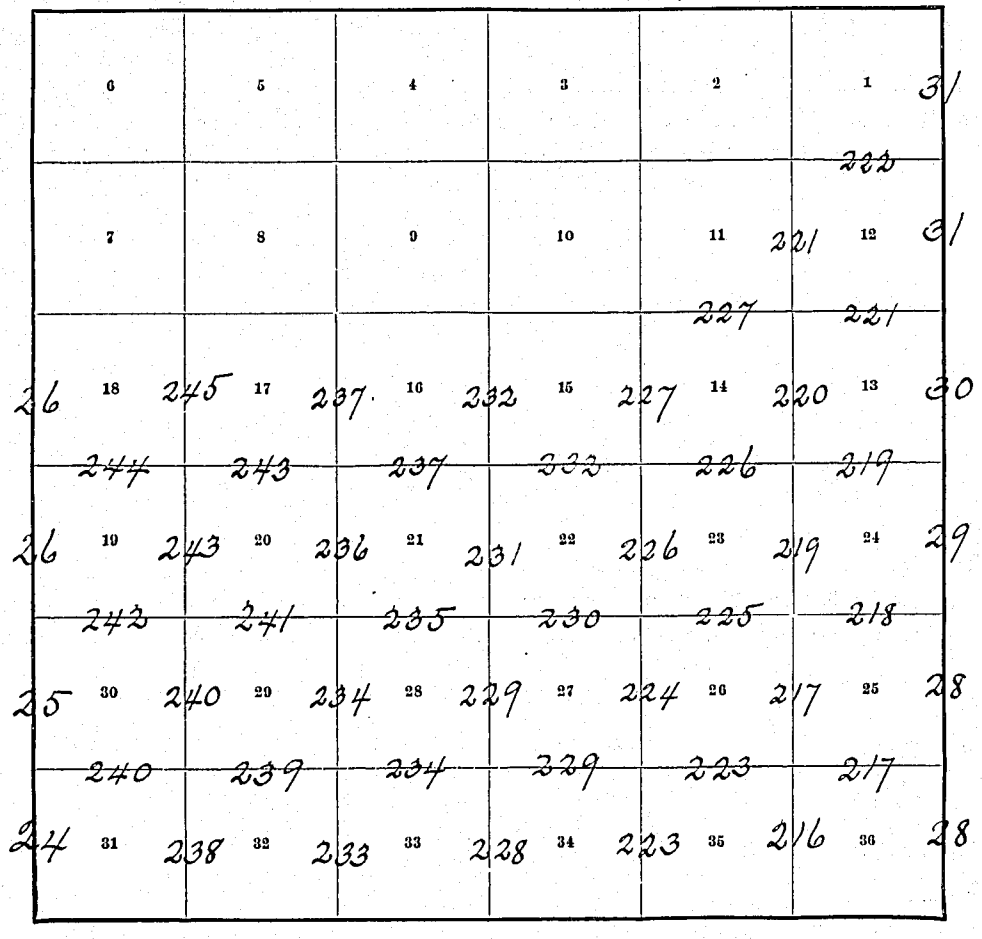
BOOK A-330

INDEX DIAGRAM.

Township 4 North, *Range* 7 West.



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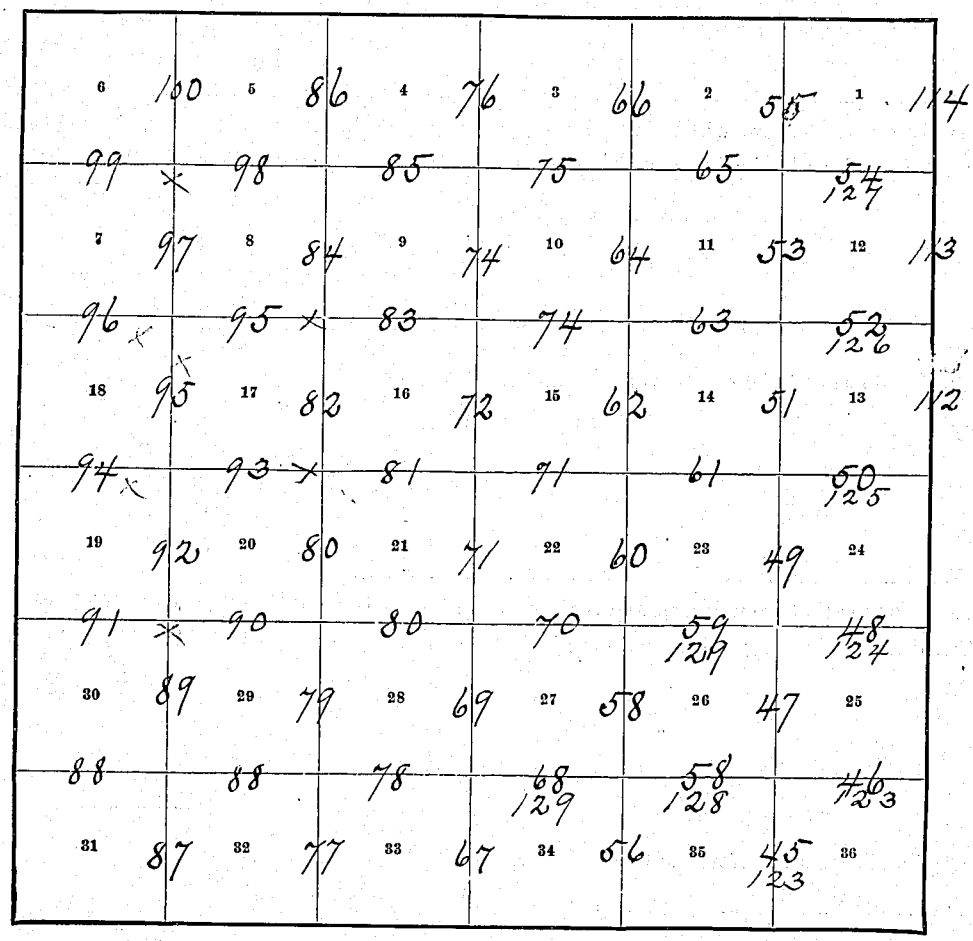
Township 1 N., *Range* 8 W.



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BOOK A-330

INDEX DIAGRAM.

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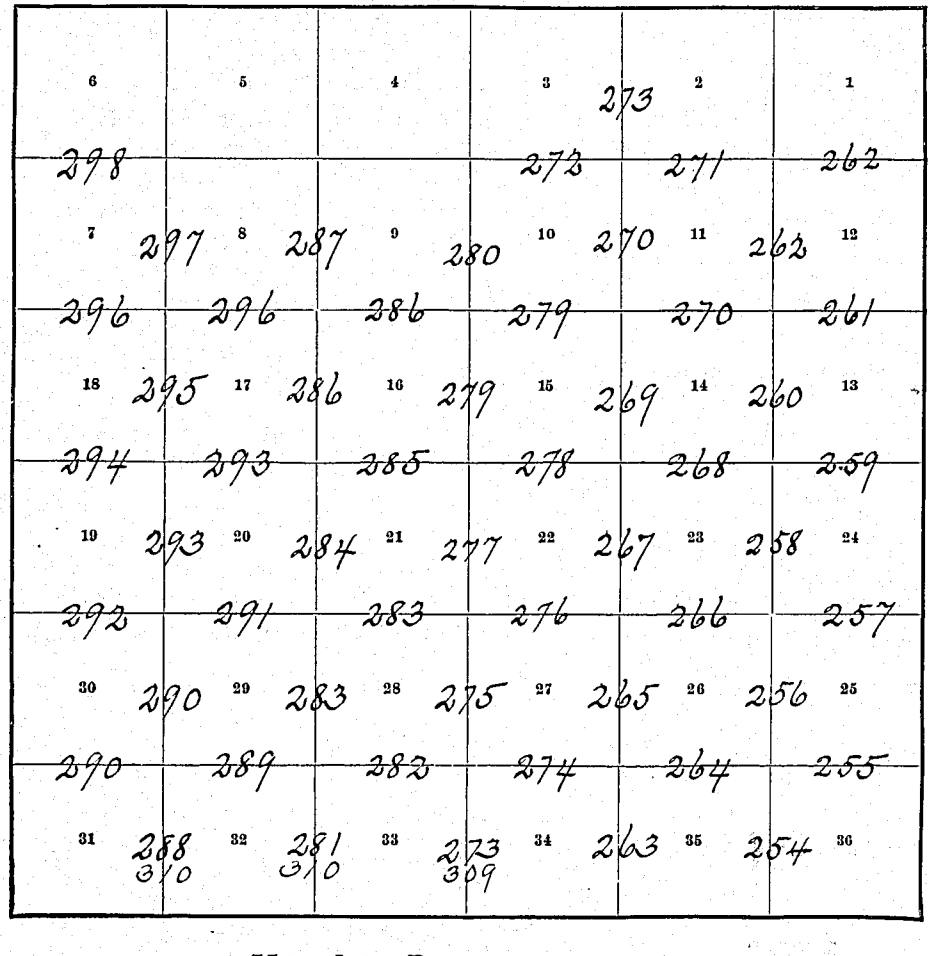

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O.W.G.

BOOK A-330

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FILED

OCT 31 1904

FIELD NOTES

OF THE SURVEY OF THE

West and North Boundaries

of

Township No. 3 North

Range No. 7 West

Of the Uintah Special Base and Meridian,

In the state of Utah.

AS SURVEYED BY

Washington Jenkins, United States Deputy Surveyor,

under his Contract No. 275, dated Sept. 23, 1903

Survey commenced June 1st 1904, 190

Survey completed July 30-1904, 190

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W- 6 00 00

N- 5 78 35

High 11 78 35

IE

BOOK A-330

NAMES AND DUTIES OF ASSISTANTS.

E. Hull Chainman.

A. N. Criss Chainman.

Henry Clift Monumman.

Joseph Turner Axeman.

Alvin Johnston Flagman.

1F

BOOK A-330

PRELIMINARY OATHS OF ASSISTANTS.

We, E Hull and A W Criss

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 Wand N Bdys T 3 N., R 7 W. of Uintah Special Base and Meridian Utah.

E Hull, Chainman.

A W Criss, Chainman.

Subscribed and sworn to before me this 1st day of June 1904, 190

SEAL

Washington Jenkins
U. S. Deputy Surveyor

We, Henry Clift 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~~ me to the best of ~~our~~ my skill and ability, in the survey of Wand N. Bdys. T. 3 N., R 7 W of Uintah Special Base and Meridian Utah.

Henry Clift, Moundman.

, Moundman.

Subscribed and sworn to before me this 1 day of June, 1904

SEAL

Washington Jenkins
U. S. Deputy Surveyor

We, Joseph Turner 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~~ me to the best of ~~our~~ my skill and ability, in the survey of Wand N. Bdys T 3 N., R 7 W. of Uintah Special Base and Meridian Utah.

Joseph Turner, Axman.

, Axman.

Subscribed and sworn to before me this 1 day of June, 1904

SEAL

Washington Jenkins
U. S. Deputy Surveyor

I, Alvin Johnston, 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 Wand N Bdys T 3 N., R 7 W of Uintah Special Base and Meridian Utah.

Alvin Johnston, Flagman.

Subscribed and sworn to before me this 1 day of June, 1904

SEAL

Washington Jenkins
U. S. Deputy Surveyor

6—151

WEST BOUNDARY OF T.3 N., R.7 W.

CHAINS

Survey commenced June 1st, 1904, and executed with a W.& L. E.Gurley light mountain transit, with Burt solar attachment. The horizontal limb is provided with two double verniers placed opposite to eachother reading to single minutes of arc, which is also the least count of the verniers of the latitude and declination arcs.

The instrument was examined, tested on the true meridian at Salt Lake City, found correct and was approved by the surveyor general for Utah, October 12, 1903.

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 pm. hours with a meridian determined by observations on Polaris, I proceed as follows:

At the cor. of Tps. 2 and 3 N., Rs. 7 and 8 W., a quartzite stone, 12x12x6 ins. above ground, marked as described by Francis M. Lyman Jr., under his cont., No. 274.

latitude 40°37'N., longitude 110°45'W.; I set off 40°37' N. on the lat. arc; 22°07'N. on the decl. arc; and 4h p.m., l.m.t., dtermine with the solar a meridian and mark a point thereof on a stone firmly set in the ground, 5 chs. N. of the cor.

June 1, 1904.

June 2: At 2h 43m a.m., l.m.t., I observe Polaris at eastern elongation, in accordance with the Manual of Instructions and mark a point in the line thus determined, on a peg driven in the ground, 5 chs. N. of my station.

At 6h a.m., I lay off the azimuth of Polaris 1°35' to the west, and mark the meridian thus determined by cutting a small groove in the stone, set early this morning, on which the meridian falls 0.3 ins. east of the mark determined by the solar.

West BDY. of T.3 N., R.7 W.

CHAINS	
	At 7h a.m., l.m.t., I set off 40°37'N. on the lat. arc; 22°12'N. on the decl. arc; and mark a point in the meridian thus determined, by a cross on the stone already set 5 chs. N. of my station; this mark falls 0.2 ins. east of the meridian established by the Polaris observation.
	The solar apparatus by p.m. and a.m. observations defines positions for meridians respectively about 0'16" west and 0'11" 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 30m a.m., is N.16°46'W.; the angle thus determined gives the magnetis decl. 16°46'E.
	From the Tp. cor., I run
	North, along the W. bdy. of the Tp., bet. secs. 31 and 36.
	Ascend through heavy pine timber, over mountainous land.
40.00	Set trachyte stone, 16x10x8 ins., 11 ins. in the ground for ¼ sec. cor., marked ¼ on W. face; from which
	A pine, 12 ins. diam., bears N.2°E., 23 lks. dist., marked ¼ S 31 B T.
	A pine, 12 ins. diam., bears S.37°W., 18 lks. dist., marked ¼ S 36 B T.
50.00	Top of spur projects SW.
	Descend.
69.00	Creek, 15 lks. wide, 6 ins. deep, in bottom of hollow, 100 ft. deep, course S. to SW. Ascend along bottom of hollow.
72.00	Creek 15 lks. wide; course SE. [illegible]
72.00	Leave hollow and creek, course SE. to S.
	Ascend.
80.00	Set a granite stone, 12x8x6 ins., 8 ins. in the ground, for cor. of secs. 25-30-31 and 36, marked with 1 notch on the S. and 5 notches on the N. edge; from which
	A pine, 12 ins. diam., bears N.52°E., 34 lks. dist., marked T 3 N R 7 W S 30 B T.
	A pine, 10 ins. diam., bears S.28°30'E., 17 lks. dist.,

WEST BDY.OF T.3 N.,R.7 W.

CHAINS	
	marked T 3 N R 7 W S 31 B T.
	A pine,10 ins.diam.,bears S.76°W.,29 lks.dist., marked T 3 N R 8 W S 36 B T.
	A pine,6 ins.diam.,bears N.50°W.,32 lks.dist., marked T 3 N R 8 W S 25 B T.
	Land,mountainous.
	Soil;rocky,3rd rate.
	Timber,pine.
	Mountainous and heavily timbered land on 80.00 chs.

	North bet.secs.25 and 30.
	Ascend over rocky land through heavy pine timber.
40.00	Point for ¼ sec.cor.falls on a granite rock in place, 4x3x1 ft.above ground;cut a cross(x) at exact cor.point for ¼ sec.cor.,marked ¼ on W.side of cross;from which
	A pine,10 ins.diam.,bears N.10°30'E.,76 lks.dist., marked ¼ S 30 B T.
	A pine,6 ins.diam.,bears N.32°30'W.,61 lks.dist., marked ¼ S 25 B T.
43.00	Top of ridge bears NW.and SE.
	Descend.
70.00	Leave timber.
	Ascend.
80.00	Point for cor.falls on a granite rock in place,3x2x1 ft.above ground;cut a cross(x)at exact cor.point for cor.of secs.19-24-25 and 30,marked with 2 notches on the S.and 4 notches on the N.edge;and raise a mound of stone,2 ft.base,1½ ft.high,W.of cor.
	Pits impracticable.
	Land,mountainous.
	Soil;rocky,3rd rate.
	Timber,pine.
	Mountainous or heavily timbered land on 80.00 chs.
	JUNE 2ND:At this cor.,I set off 22°13'N.on the decl.arc; and at 11h 58m a.m.,l.m.t.,observe the sun on the meri-

WEST BDY. OF T. 3 N., R. 7 W.

CHAINS	
	diam; the resulting lat. is 40°38' N.
	North bet. secs. 19 and 24.
	Ascend over mountainous land.
5.00	Top of rocky spur projects NE.
	Descend.
40.00	Set a sandstone, 16x10x5 ins., 11 ins. in the ground, for ¼ sec. cor., marked ¼ on W. face; and raise a mound of stone 2 ft. base, 1½ ft. high, W. of cor.
	Pits impracticable.
67.00	Bottom of draw, 900 ft. below top of spur, course E.
	Ascend.
80.00	On S.E. slope of a high rocky ridge.
	Set a sandstone, 18x10x6 ins., 12 ins. in the ground, for cor. of secs. 13-18-19 and 24, marked with 3 notches on the S. and N. edges; and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
	Pits impracticable.
	Land, mountainous.
	Soil; rocky, 3rd rate.
	No timber.
	Mountainous land on 80.00 chs.
	North bet. secs. 13 and 18.
	Ascend gradually over rocky ridge.
10.00	Top of ridge bears NE. and SW.
	Descend. abruptly.
30.00	Begin more gradual descent.
	Enter heavy pine timber, bearing NW. and SE.
40.00	Set a sandstone, 16x8x6 ins., 11 ins. in the ground, for ¼ sec. cor., marked ¼ on W. face; from which
	A pine, 12 ins. diam., bears S. 83° E., 17 lks. dist., marked ¼ S 18 B T.
	A pine, 12 ins. diam., bears N. 72° W., 20 lks. dist.,

WEST BDY. of T. 3 N., R. 7 W.

CHAINS	
	marked $\frac{1}{4}$ S 13 B T.
41.00	S. edge of lake, area about 2 acres, bears E. and W.
	To pass lake, offset as follows:
	W., 4.00 chs.
	N., 6.00 chs, on offset line to
47.00	E., 4.00 chs. to true line
	N. bank of lake bears E. and W.
	Ascend.
48.00	Descend.
75.00	Creek, 10 lks. wide, 3 ins. deep, in bottom of hollow, 100 ft. deep, course SE.
	Ascend.
80.00	Set a sandstone, 18x10x5 ins., 12 ins. in the ground, for cor. of secs. 7-12-13 and 18, marked with 4 notches on the S. and 2 notches on the N. edge; from which
	A pine, 8 ins. diam., bears N. 65° E., 77 lks. dist., marked T 3 N R 7 W S 7 B T.
	A pine, 7 ins. diam., bears S. 76° E., 67 lks. dist., marked T 3 N R 7 W S 18 B T.
	A pine, 6 ins. diam., bears S. 49° 30' W., 1.72 chs. dist., marked T 3 N R 8 W S 13 B T.
	A pine, 6 ins. diam., bears N. 68° W., 1.48 chs. dist., marked T 3 N R 8 W S 12 B T.
	Land, mountainous.
	Soil; rocky and sandy, 3rd and 4th rate.
	Timber, pine.
	Mountainous or heavily timbered land on 80.00 chs.
	June 2, 1904.

June 3: At 7h a.m., l.m.t., I set off 40° 40' N. on the lat. arc; 22° 20' N. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 7-12-13 and 18.

Thence I run

North bet. secs. 7 and 12.

WEST BDY. OF T.3 N., R.7 W.

CHAINS	
	Ascend through scattering pine timber, over mountainous land.
10.30	Top of low plateau bears E. and W.
	Begin gradual ascent.
40.00	Set a sandstone, 18x8x6 ins., 12 ins. in the ground, for ¼ sec. cor., marked ¼ on W. face; from which
	A pine, 6 ins. diam., bears S. 17° E., 48 lks. dist., marked ¼ S 7 B T.
	A pine, 8 ins. diam., bears N. 89° W., 79 lks. dist., marked ¼ S 12 B T.
	Descend.
41.80	Bottom of draw, 75 ft. deep, course SE.
	Ascend.
80.00	On top of rocky spur, projecting SE.,
	Set a sandstone, 16x10x8 ins., 11 ins. in the ground, for cor. of secs. 1-6-7 and 12, marked with 5 notches on the S. and 1 notch on the N. edge; and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
	Pits impracticable.
	Land, mountainous.
	Soil; rocky and sandy, 3rd and 4th rate.
	Timber, pine.
	Mountainous land on 80.00 chs.

North bet. secs. 1 and 6.

	Descend over rocky land through scattering pine timber.
34.00	Bottom of draw, 200 ft. deep, course E.
	Ascend.
40.00	Point for ¼ sec. cor. falls on a sandstone rock in place, 10x6x4 ft. above ground; cut a cross (x) at exact cor. point for ¼ sec. cor., marked ¼ on W. side of cross; from which
	A pine, 36 ins. diam., bears S. 29° E., 34 lks. dist., marked ¼ S 6 B T.
	A pine, 6 ins. diam., bears S. 56° 30' W., 27 lks. dist.,

WEST BDY. OF T. 3 N., R. 7 W.

CHAINS	
	marked $\frac{1}{4}$ S 1 B T.
	Descend.
70.00	Begin abrupt descent.
75.60	Creek, 10 lks. wide, 3 ins. deep, in bottom of hollow, 100 ft. deep, course NE.
	Ascend.
80.00	Point for cor. falls on a sandstone rock in place, 24x12x 6 ins. above ground; cut a cross (x) at exact cor. point for cor. of Tps. 3 and 4 N., Rs. 7 and 8 W., marked with 6 notches on each edge, from which
	A pine, 12 ins. diam., bears N. 26° 30' E., 23 lks. dist., marked T 4 N R 7 W S 31 B T.
	A pine, 12 ins. diam., bears S. 24° E., 23 lks. dist., marked T 3 N R 7 W S 6 B T.
	A pine, 15 ins. diam., bears S. 28° 15' W., 14 lks. dist., marked T 3 N R 8 W S 1 B T.
	A pine, 16 ins. diam., bears N. 72° 15' W., 14 lks. dist., marked T 4 N R 8 W S 36 B T.
	Land, mountainous.
	Soil; rocky and sandy 3rd and 4th rate.
	Timber, pine.
	Mountainous land on 80.00 chs.
	June 3rd: At this cor., I set off 22° 21' N. on the decl. arc; and at 11h 58m a.m., l.m.t., observe the sun on the meridian; the resulting lat. is 40° 42' N.

From the cor. of Tps. 3 and 4 N., Rs. 6 and 7 W., which is a sandstone , 24x12x 6 ins. above ground, marked and witnessed as described by Francis M. Lyman, Jr., D.S., under his cont., No. 274, I run west on a random line along the N. bdy. of the Tp., setting temp. $\frac{1}{4}$ sec. and sec. cors., and, at 478.35 chs., intersect W. bdy. of the Tp., 84 lks. N. of the cor. of Tps. 3 and 4 N., Rs. 7 and 8 W., heretofore described.

NORTH BDY. OF T. 3 N., R. 7 W.

CHAINS

July 30: At 7h a.m., l.m.t., I set off 40°42' N. on the lat. arc; 18°34' N. on the decl. arc; and determine a meridian with the solar at the cor. of Tps. 3 and 4 N., Rs. 7 and 8 W.

Thence I run

N. 89°54' E., on a true line

bet. secs. 6 and 31.

Descend over mountainous land through heavy pine timber.

28.30 Set a sandstone, 18x10x5 ins., 12 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; from which

A pine, 12 ins. diam., bears N. 7° E., 18 lks. dist., marked $\frac{1}{4}$ S 31 B T.

A pine, 18 ins. diam., bears S. 28° W., 6 lks. dist., marked $\frac{1}{4}$ S 6 B T.

Begin abrupt descent.

61.50 Rock Creek, 30 lks. wide, 6 ins. deep in bottom, of canon 500 ft. deep, course SE.

Begin abrupt ascent.

78.35 Set a sandstone, 18x12x8 ins., 12 ins. in the ground, for cor. of secs. 5-6-31 and 32, marked with 1 notch on the W. and 5 notches on the E. edge; from which

A pine, 8 ins. diam., bears N. 40° E., 18 lks. dist., marked T 4 N R 7 W S 32 B T.

A pine, 14 ins. diam., bears S. 46° E., 25 lks. dist., marked T 3 N R 7 W S 5. B T.

A pine, 12 ins. diam., bears S. 29° W., 41 lks. dist., marked T 3 N R 7 W S 6 B T.

A pine, 14 ins. diam., bears N. 85° W., 43 lks. dist., marked T 4 N R 7 W S 31 B T.

Land, mountainous.

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

Timber, pine.

Mountainous and heavily timbered land on 78.35 chs.

NORTH BDY. OF T. 3 N., R. 7 W.

CHAINS	
	N. 89° 54' E., bet. secs. 5 and 32.
	Ascend over mountainous land through heavy pine timber.
40.00	On top of ridge bearing N. and S.,
	Set a sandstone, 18x10x8 ins., 12 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; from which
	A pine, 10 ins. diam., bears N. 26° W., 46 lks. dist., marked $\frac{1}{4}$ S 32 B T.
	A pine, 10 ins. diam., bears S. 20° W., 23 lks. dist., marked $\frac{1}{4}$ S 5 B T.
	Descend.
75.50	East Fork of Rock Creek 30 lks wide x 6 ins. deep, in bottom of hollow, course SW.
	Ascend.
80.00	Set a sandstone, 18x12x5 ins., 12 ins. in the ground, for cor. of secs. 4-5-32 and 33, marked with 2 notches on the W. and 4 notches on the E. edge; from which
	A pine, 16 ins. diam., bears N. 40° E., 87 lks. dist., marked T 4 N R 7 W S 33 B T.
	A pine, 12 ins. diam., bears S. 17° E., 45 lks. dist., marked T 3 N R 7 W S 4 B T.
	A pine, 14 ins. diam., bears S. 33° W., 68 lks. dist., marked T 3 N R 7 W S 5 B T.
	A pine, 18 ins. diam., bears N. 76° W., 61 lks. dist., marked T 4 N R 7 W S 32 B T.
	Land, mountainous.
	Soil; rocky, and sandy 3rd and 4th rate.
	Timber, pine.
	Mountainous and heavily timbered land on 80.00 chs.

NORTH BDY. OF T. 3 N., R. 7 W.

CHAINS	
	N. 89°54' E., bet. secs. 4 and 33.
	Ascend abruptly over rocky land through scattering pine timber.
40.00	Set a sandstone, 18x10x6 ins., 12 ins. in the ground, for ¼ sec. cor., marked ¼ on N. face; from which A pine, 12 ins. diam., bears N. 64° W., 38 lks. dist., marked ¼ S 33 B T. A pine, 22 ins. diam., bears S. 8° E., 50 lks. dist., marked ¼ S 4 B T.
	Begin more gradual ascent.
80.00	Set a sandstone, 24x12x10 ins., 18 ins. in the ground, for cor. of secs. 3-4-33 and 34, marked with 3 notches on the E. and W. edges; from which A pine, 8 ins. diam., bears N. 16°30' W., 2.60 chs. dist., marked T 4 N R 7 W S 33 B T. No other trees within limits; and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor. Pits impracticable. Land, mountainous. Timber, pine. Soil; rocky, 3rd rate. Mountainous land on 80.00 chs.

	N. 89°54' E., bet. secs. 3 and 34.
	Ascend over rocky land.
21.50	Top of ridge bears N. and S.
	Descend over rocky land.
40.00	Set a sandstone, 24x14x8 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.
54.00	Bottom of hollow, 90 ft. deep, course SW. Creek, 10 lks. wide, 3 ins. deep, in bottom of hollow, course SW. Begin ascent.

NORTH BDY. OF T.3 N., R.7 W.

CHAINS	
80.00	Set a sandstone, 18x8x6 ins., 12 ins. in the ground, for cor. of secs. 2-3-34 and 35, marked with 2 notches on the E. and 4 notches on the W. edge; and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
	Pits impracticable.
	Land, mountainous.
	Soil; rocky and sandy, 3rd and 4th rate.
	No timber.
	Mountainous land on 80.00 chs.
	July 30th: At this cor., I set off 18°30' N. on the decl. arc; and at 0h 06m p.m., l.m.t., observe the sun on the meridian; the resulting lat. is 40°42' N.

	N. 89°54' E., bet. secs. 2 and 35.
	Ascend over rocky land.
21.50	Lake, area about 2 acres, bears N. and S.
	To pass lake, offset as follows:
	N., 2.50 chs.,
	N. 89°54' E., on offset line, 3.90 chs., to
25.40	S., 2.50 chs. to true line.
	E. edge of lake bears NW. and SE.
25.50	Point for witness cor. falls on a sandstone rock in place 6x4x3 ft. above ground; cut a cross (x) at exact cor. point for witness cor. to ¼ sec. cor., marked W C ¼ on N. face; and raise a mound of stone, 2 ft. base, 1½ ft. high N. of cor.
	Pits impracticable.
	Begin abrupt ascent over loose slide rock and sandstone ledges.
40.00	Point for ¼ sec. cor. falls on loose slide rock and cannot be set.
62.00	Top of abrupt ascent bears NW. and SE.
	Begin gradual ascent.
65.50	Top of ridge bears NW. and SE.
	Begin descent, over top of ridge.

NORTH BDY. OF T. 3 N., R. 7 W.

CHAINS	
80.00	Set a sandstone, 20x10x8 ins., 15 ins. in the ground, for cor. of secs. 1-2-35 and 36, marked with 1 notch on the E. and 5 notches on the W. edge; and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
	Pits impracticable.
	Land, mountainous.
	Soil; rocky, 3rd rate.
	No timber.
	Mountainous land on 80.00 chs.

	N. 89° 54' E., bet. secs. 1 and 36.
	Descend gradually over rocky land; on top of ridge.
12.00	Begin abrupt descent over broken sandstone ledges and loose slide rock.
40.00	Point for ¼ sec. cor. falls on loose slide rock and cannot be set.
49.00	Foot of loose slide rock.
	Set a sandstone, 14x10x8 ins., 9 ins. in the ground, for witness cor. to ¼ sec. cor., marked W C ¼ on N. face; and raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.
	Pits impracticable.
	Begin more gradual descent.
62.00	Creek, 15 lks. wide, 6 ins. deep, in bottom of canon, 400 ft. deep; course SE.
	Ascend. Enter scattering pine timber.
80.00	The cor. of Tps. 3 and 4 N., Rs. 6 and 7 W.
	Land, mountainous.
	Soil; rocky, and sandy 3rd and 4th rate.
	Timber, pine.
	Mountainous land on 80.00 chs.
	June 4, 1904. July 30, 1904.

	For general description see subdivision of this Tp.

BOUNDARIES OF T.3 N.,R.7 W.

Latitudes, departures and closing errors.

Line designated.	True bearing	Dist.	Latitude.		Departure.	
		chs.	N. chs.	S. chs.	E. chs.	W. chs.
N.Bdy., T.3 N.,R.7 W.	S.89°54'W.	478.35		0.63		478.35
W.bdy., T.3 N.,R.7 W.	South	480.00		480.00		
N.bdy., T.2 N.,R.7 W.	N.89°47'E.	478.67	1.82		478.67	
W.bdy., T.3 N.,R.6 W.	North	480.00	480.00			
Convergency						0.63
Totals			481.82	480.63	478.67	478.98
			480.83			478.67
Error in lat. and dep.			0.99			0.31

Washington Jenkins,

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 Washington Jenkins, United States Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the survey of W and N Bdys T 3 N., R 7 W. of Uintah Special Base and Meridian, Utah, showing the respective capacities in which they acted:

E. Hull, Chainman.
A. W. Criss, Chainman.
Henry C. Lift, Moundman.
, Moundman.
Joseph Turner, Axman.
, Axman.
Alvin Johnston, Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted Washington Jenkins, United States Deputy Surveyor, in surveying all those parts or portions of the W and N Bdys. T 3 N., R 7 W. of of the Uintah Special Base and meridian, in the State of Utah, which are represented in the foregoing field notes as having been surveyed by him and under his direction; and that said survey has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the corner monuments established, according to the instructions furnished by the United States Surveyor General for Utah.

E. Hull, Chainman.
A. W. Criss, Chainman.
Henry C. Lift, Moundman.
, Moundman.
Joseph Turner, Axman.
, Axman.
Alvin Johnston, Flagman.

Subscribed and sworn to before me this 30 day of July, 1904

SEAL

Washington Jenkins
U. S. Deputy Surveyor

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FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, Washington Jenkins, United States Deputy Surveyor, d solemnly swear that, in pursuance of a contract received from Edward H Anderson United States Surveyor General for Utah, bearing date of th 23d day of September, 1903, I have well, faithfully, and truly, in my ow proper person, and in strict conformity with the instructions furnished by the United States Survey General for Utah, the Manual of Surveying Instructions, and the laws of th United States, surveyed all those parts or portions of W and N. Bdys of T 3 N, R 7 W

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

Washington Jenkins
United States Deputy Surveyo

Subscribed by said Washington Jenkins and sworn to before me this 12th day of December, 1904

Edward H Anderson
U S Surveyor Gen
for Ut

SEAL

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City Utah Dec 20, 190

The foregoing field notes of the survey of the West and North Boundaries of Township No. 3 North, Range No. 7 West of the Uintah Special Base and Meridian Utah

executed by Washington Jenkins under his contract No. 275, dated Sept. 23, 1903, having bee critically examined, and the necessary corrections and explanations made, the said field notes, and th surveys they describe, are hereby approved.

Edward H Anderson
United States Surveyor Gen

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

United States Surveyor Gen

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BOOK A-330

B.

FILED

OCT 31 1904

FIELD NOTES

OF THE SURVEY OF THE

East and West Bdys.

of

T 4 N R 7 W

Of the Uintah Special Base and Meridian,

Utah

AS SURVEYED BY

Washington Jenkins, United States Deputy Surveyor,

Under his Contract No. 275, dated September 23d, 1903

Survey commenced June 9th, 1904

Survey completed August 17th, 1904

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N Bdy 3-52-50 ✓ Clos. 5 46 ✓

E Bdy 5-01-00 ✓ " 14 84 ✓

8-53-50 ✓ 20-30 ✓

BOOK A-330

NAMES AND DUTIES OF ASSISTANTS.

E. Hall Chainmen

A.W. Criss "

Henry Clift Moundman

Joseph Turner Axeman

Alvin Johnston Flagman

BOOK A-330

INDEX DIAGRAM.

Township 4 N, *Range* 7 W

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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, E Huel and A W Criss

do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain over even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of the East and West Bdys. of T. 4 N. R. 7 W. of the Uintah Special Base and Meridian, Utah

E Huel, Chainman.

A W Criss, Chainman.

Subscribed and sworn to before me this 9th day of June, 1904

Washington Jenkins
U. S. Deputy Surveyor

SEAL

WE, I Henry Clift and

do solemnly swear that ~~we~~ I will well and truly perform the duties of moundman in the establishment of corners, according to the instructions given ~~us~~ me, to the best of ~~our~~ my skill and ability, in the survey of the East and West Bdys. of T. 4 N. R. 7 W. of the Uintah Special Base and Meridian, Utah.

Henry Clift, Moundman.

, Moundman.

Subscribed and sworn to before me this 9th day of June, 1904

Washington Jenkins
U. S. Deputy Surveyor

SEAL

WE, I Joseph Turner and

do solemnly swear that ~~we~~ I will well and truly perform the duties of axman in the establishment of corners and other duties, according to instructions given ~~us~~ me, to the best of ~~our~~ my skill and ability, in the survey of the East and West Bdys. of T. 4 N. R. 7 W. of the Uintah Special Base and Meridian Utah.

Joseph Turner, Axman.

, Axman.

Subscribed and sworn to before me this 9th day of June, 1904

Washington Jenkins
U. S. Deputy Surveyor

SEAL

I, Alvin Johnston, do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of the East and West Bdys. of T. 4 N. R. 7 W. of the Uintah Special Base and Meridian, Utah

Alvin Johnston, Flagman.

Subscribed and sworn to before me this 9th day of June, 1904

Washington Jenkins
U. S. Deputy Surveyor

SEAL

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W Bdy T 4 N R 7 W

Survey Commenced June 9-1904.
For description of instrument see book "A."
To test the Solar Apparatus by comparing its indications resulting from solar observations made during a.m. and p.m. hours with a meridian determined by observations on Polaris. I proceed as follows
at the cor of Sps. 3 and 4 N Rs 7 and 8 W Latitude 48°41'59" N Longitude 110°45'14" W
I set off 40°42' N on Lat arc 22°59' N on decl arc and at 4h 6m p.m. G.M.T. determine with the Solar a meridian and mark a point thereof on a stone firmly set in the ground 5 chs N of the cor at 2h 15m 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 peg driven in the ground 5 chs N of my station.

June 9-1904.

June 10 - At 6h a.m. l.m.t. I lay off the azimuth of Polaris 1°35' to the west and mark the meridian thus determined by cutting a small groove in the stone set June 9- on which the meridian falls 0.4 ins east of the mark determined by the Solar.
At 8h 6m a.m. l.m.t. I set off 40°42' N on Lat arc 23°02' N on decl arc and mark a point in the 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 meridian established by the Polaris observation.
The Solar apparatus by p.m. and a.m. observations defines positions for meridians respectively about 0.21"

W Bdy T 4 N R 7 W

west and 0'16" east of the meridian established by the Polaris observations therefore I conclude that the adjustment of the instrument was satisfactory.
The magnetic bearing of the true meridian at 8h 30m a m is 16°47' W the angle thus determined gives the mag. decl. 16°47' E

From the cor of Tps. 3 and 4 N Rs 7 and 8 W heretofore described I run North Bet Secs 31 and 36 over Mountainous land through timber
6.00 Creek 8 lks wide 6 ins deep course N.E. gradual ascent S.W. slope
20.00 Open knob E. 100 ft above creek descend along N.E. slope
39.50 Creek 8 lks wide 6 ins deep course E. ascend S.E. slope
40.00 Set a sand stone 18 X 10 X 7 ins 12 ins in the ground for 1/4 Sec cor. marked 1/4 on W face. from which
a pine 6 ins diam bears N 30° E 23 lks dist marked 1/4 S 31 B.T.
a pine 7 ins diam bears N 27° W 32 lks dist marked 1/4 S 36 B.T.
48.00 Open knob E. descend N.E. slope
56.00 Rock Creek 15 lks wide 15 ins deep course S.E. 100 ft below Open. line along gentle W. slope
80.00 Set a sand stone 15 X 10 X 5 ins 10 ins in the ground for Cor of Secs 25-30-31 and 36 Marked with 1 notches on S and 5 notches on W edges. from which
a pine 8 ins diam bears N 20° E 60 lks dist marked T 4 N R 7 W S 30 B.T.
a pine 10 ins diam bears S 16° E 18 lks dist marked T 4 N R 7 W S 31 B.T.
a pine 10 ins diam bears S 62½° W 23 lks dist marked T 4 N R 8 W S 36 B.T.

W Bdy T. 4N R 7 W

a pine 7 ins diam bears N 35° W 17 lks dist
marked T 4 N R 8 W S 2 S B.T.
Land mountainous
Soil stony 3rd rate
timber pine
mountainous or heavily timbered Land
80.00 Chs

North Bet secs 25 and 30
line along gentle W slope through
heavy timber.

40.00 Set a stone stone 19 x 10 x 6 ins 14 ins in the
ground for 1/4 sec cor. marked 1/4 on W
face. from which
a pine 9 ins diam bears N 80° E 25 lks dist
marked 1/4 S 30 B.T.
a pine 8 ins diam bears S 72½° W 31 lks dist
marked 1/4 S 25 B.T.

61.00 Creek 8 lks wide 1 ft. deep course W
ascend N.W. slope

80.00 Top of ridge bears N.E. and W 150 ft. above creek
Set a stone stone 16 x 8 x 6 ins 12 ins in
the ground for cor of secs 19-24-25
and 30 marked with 2 notches on S
and 4 notches on W edges from which
a pine 16 ins diam bears N 40½° E 86 lks dist
marked T 4 N R 7 W S 19 B.T.
a pine 10 ins diam bears S 63° E 24 lks dist
marked T 4 N R 7 W S 30 B.T.
a pine 12 ins diam bears S 27 W 35 lks dist
marked T 4 N R 8 W S 25 B.T.
a pine 8 ins diam bears N 19½° W 80 lks dist
marked T 4 N R 8 W S 24 B.T.
Land mountainous
Soil stony 3rd rate
timber pine
mountainous or heavily timbered Land
80.00 Chs.

At 0h 01m p.m. l.m.t. S/Sky is overcast with Clouds
making Lat. observations impossible

W Bdy T 4N R7W.

North Bet secs 19 and 24
Over mountainous land through timber
descending NW slope
11.00 drow course SW. 100 ft below cor
ascend SE slope
40.00 top of ridge bears N.E. and SW 200 ft above drow
Set a sand stone 15x12x10 ins 10 ins in
the ground for 1/4 sec cor. marked 1/4 on
W face. from which.
a pine 30 ins diam bears N64°E 12 lks dist
marked 1/4 S 19 B.T.
a pine 30 ins diam bears S12°W 38 lks dist
marked 1/4 S 24 B.T.
descend NW slope
47.00 Creek 6 lks wide 4 ins deep course SW
75 ft below 1/4 cor. ascend S.E. slope
57.00 leave timber bears N.E. and SW begin
steep ascent over slide rock and
broken ledges.
80.00 point for cor falls on rock in place
10x6x1 ft above ground at cor point
cut a cross (+) for cor of secs 13-18
19 and 24. marked with 3 notches on
N and S of cross. raise a
mound of stone 2 ft base 1 1/2 ft high
W of cor. pits impracticable
Land Mountainous
Soil Stony 3rd and 4th rate
timber pine.
mountainous or heavily timbered land 80.00 chs.
Cor 600 ft. above creek at 47.00 chs.

North Bet secs 13 and 18
Mountainous land ascending rocky
S. Slope.
14.00 top of ridge bears E and W 300 ft above cor
descend. N Slope
25.00 Creek 5 lks wide 6 ins deep course W
50 ft below ridge. Ascend steep S
Slope over rock slides and ledges
40.00 point for sec cor falls on a rock in place
2x3x1 ft above ground.

W Bdy T 4 N R 7 W

at Cor point cut a cross (X) for 1/4 sec cor
marked 1/4 W of cross raise a
mound of stone 2 ft base 1½ ft high W
of cor pits impracticable 1/4 cor 400 ft
above creek continue as cent

52,55 on dividing ridge bears NW and SE
Intersect North Boundary of the Winlah
Indian Reservation. Set a Sand stone
16 X 12 X 6 ins 12 ins in the ground for
C.C. Tp. 4 N Rs. 7 and 8 W. Marked
C.C U I R with 4 grooves on S; 6 grooves on
E and W; and U F R on N faces;
raise a mound of stone 2 ft base 1½ ft
high S of cor. pits impracticable
From the closing cor the 1/2 mile cor
between the 51st and 52nd mile posts
on the bdy as established by Deputies
A.H. and F M Brown bears N 78° 30' W
5.46 Chs dist.

land mountainous
Soil stony 4th rate
no timber
mountainous land 52,55 Chs.

June 10-1904.

E Bdy T 4 N R 7 W

Aug 17-1904. At 8h a.m. l.m.t. ✓
Set off 40°42' N on lat arc 13°27' N on
decl arc and determine a meridian
with the solar at the cor of Tps 3 and
4 N Rs 6 and 7 W. Which is a sand stone
6×24×12 ins above ground marked
and witnessed as described by me
in notes of N Bdy. T. 3 N R 7 W

North Bet Secs 31 and 36
Over mountainous land through timber

29.00 Creek 8 lks wide 2 ft deep course SE
40.00 Set a sand stone 16×10×4 ins 11 ins in
the ground for 1/4 sec cor. Marked 1/4 on
W face from which
a pine 6 ins diam bears S 49° W 135 lks dist
marked 1/4 S 36 B.T.
a pine 10 ins diam bears N 73° E 150 lks dist
marked 1/4 S 31 B.T.
68.00 leave timber enter open bears NW and SE
80.00 Set a sand stone 14×10×8 ins 10 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 raise a mound
of stone 2 ft. base 1½ ft high W. of cor.
pits impracticable
land mountainous
soil stony 3rd and 4th rate
timber pine
mountainous or heavily timbered land 80.00 Chs

North Bet Secs 25 and 30
Over mountainous land
17.00 begin steep ascent rocky S slope
30.50 top of rocky ridge bears NW and SE
As line descends abruptly over slide rock
Set a sand stone 24×12×10 ins 18 ins in
the ground for W.C. 1/4 sec cor
marked W.C. 1/4 on W face raise
a mound of stone 2 ft base 1½ ft
high W. of cor. pits impracticable

E Bdy T4N R7W

W.C. 400 ft. above sec cor
40.00 point for 1/4 sec cor faces on steep rock slide
cor not set.
52.00 Foot of 600 ft descent leave open and enter
timber bars N.W. and S.E.
80.00 Set a sand stone 18x12x6 ins 12 ins in
the ground for the cor of secs 19-24-25 and
30 marked with 2 notches on S and 4 notches
on N edges. from which
a pine 8 ins diam bars N 9°E 6.3 lks dist
marked T4N R6W S19 B.T.
a pine 8 ins diam bars S 2°E 158 lks dist
marked T4N R6W S 30 B.T.
a pine 12 ins diam bars S 70½°W 66 lks dist
Marked T4N R7W S 25 B.T.
a pine 6 ins diam bars N 29°W 63 lks dist
Marked T4N R7W S 24 B.T.
Land mountainous
Soil stony 3rd and 4th rate
timber pine.
Mountainous or heavily timbered land. 80.00 chs

Aug 17-04
At 0h 04m p.m. l.m.t. I set off 13° 24' N on decl
arc and observe the sun on the meridian resulting lat. being 40° 44' N which
is correct lat. Thence I run North
Bet. secs 19 and 24
Over mountainous land descending
North slope through timber
21.10 Creek 9 lks wide 8 ins deep course NE
40.00 Set a sand stone 14x12x6 ins 10 ins in
the ground for 1/4 sec cor. marked 1/4 on
the W face. from which
a pine 16 ins diam bars N 43°E 95 lks dist
marked 1/4 S 19 B.T.
a pine 18 ins diam bars S 81°W 59 lks dist
marked 1/4 S 24 B.T.
40.12 Spring branch 2 lks wide 2 ins deep course E
62.00 Creek 20 lks wide 1 ft deep course SE
foot of descent 300 ft below sec cor

E Bdy T4N R7W

Begin ascent South slope.

80.00 Set a Sand Stone 12x8x6 ins. 8 ins in the ground for the cor of secs 13-18-19 and 24. Marked with 3 notches on the N and S edges from which
a pine 14 ins diam bars N 77½°E 39 lks dist marked T4N R6W S18 B.T.
a pine 10 ins diam bars S 3°E 119 lks dist marked T4N R6W S19 B.T.
a pine 10 ins diam bars S 59°W 148 lks dist marked T4N R7W S24 B.T.
a pine 6 ins diam bars N 73°W 41 lks dist marked T4N R7W S13 B.T.
Corner located on S slope 125 ft above creek.
Land mountainous soil stony 3rd rate.
timber pine
Mountainous or heavily timbered land 80.00 lks

North Bet Secs 13 and 18
Over mountainous land through timber ascending South slope.

15.50 Creek 10 lks wide 10 ins deep course SE in hollow.
40.00 Creek 6 lks wide 6 ins deep course SE in hollow.
Point for cor falls in Creek cor not set
40.30 On N bank of creek Set a Sand stone 24x12x4 ins 18 ins in the ground for Witness 1/4 sec cor. Marked W.C. 1/4 on W face from which.
a pine 14 ins diam bars S 68°W 95 lks dist marked W.C. 1/4 S 13 B.T.
a pine 8 ins diam bars N 54°E 32 lks dist marked W.C. 1/4 S18 B.T.
45.00 Cove timber enter open bars E and W
73.00 Creek 6 lks wide 6 ins deep course SW in hollow.
80.00 Set a Sand Stone 14x10x5 ins 10 ins in the ground for the cor of secs 7-12-13 and 18 Marked with 4 notches on S and 2 notches on N edges. raise a mound of stone

E Bdy T 4 N R 7 W

2 ft base 1½ ft high W of cor. pits impracticable.
Land mountainous
Soil stony 3rd rate
timber pine
Mountainous or heavily timbered land 80.00 chs

North Bet secs 7 and 12
Over mountainous land ascending along S.E. slope
8.00 Creek 10 lks wide 5 ins deep course S.E.
18.50 Creek 4 lks wide 6 ins deep course SW
40.00 Set a sand stone 24 x 12 x 5 ins 18 ins in the ground for ¼ sec cor. marked ¼ on the W face. raise a mound of stone 2 ft base 1½ ft high W of cor. pits impracticable. ¼ cor 100 ft. above sec cor.
66.00 Begin ascent steep rocky South slope
80.00 Set a slate stone 18 x 10 x 6 ins 12 ins in the ground for the cor of secs 1-6-7 and 12. Marked with 5 notches on the S and 1 notch on the N edges
raise a mound of stone 2 ft base 1½ ft high W of cor. pits impracticable
Cor 550 ft. above ¼ cor.
Land mountainous
Soil stony 3rd and 4th rate
No timber
mountainous land 80.00 chs

North Bet secs 1 and 6
Over mountainous land ascending rocky South slope
1.00 Intersect North Boundary of the Winlah Indian Reservation on top of dividing ridge.
Set a slate stone 36 x 10 x 5 ins 27 ins in the ground for closing cor secs 1 and 6. Marked

E Bdy T4N R7W

T4 C.C. U I R 5 grooves on S
R6W 6 grooves on E U F R on N
and R7W 6 grooves on W faces
raise a mound of stone 2 ft base
1½ ft high S of cor. pits im-
practicable.
From Closing Cor. the 44 Mile
Cor on the Bdy as established
by Deputies A.H. and F.M. Brown,
bears S 32° 30' E 14.84 chs dist
Land mountainous
Soil stony 4th rate
no timber
Mountainous land 1 ch.
Aug 17 - 1904

Boundaries of T4N R7W
Latitudes, Departures and Closing errors

Line Designated	True Bearing	chs. Dist	Latitudes N	Latitudes S	Departures E	Departures W
South. Bdy	N89°54E	478.35	0.84		478.35	
East Bdy.	North	401.00	401.00			
North. Bdy. of Res	N32°30'W	2.56	2.16			1.37
" " " "	N41°30'W	24.90	18.64			16.50
" " " "	S63°W	41.70		18.93		37.15
" " " "	S34°30W	113.40		93.45		64.23
" " " "	S39°15W	64.20		49.71		40.62
" " " "	N84°30W	154.00	14.75			153.29
" " " "	N45°15'W	27.20	19.15			19.31
" " " "	N76°W	37.20	9.00			36.09
" " " "	N86°W	40.00	2.79			39.90
" " " "	S64°W	40.00		17.54		35.95
" " " "	N84°W	20.40	2.13			20.29
" " " "	N78°30'W	14.14	2.82			13.86
West. Bdy.	South	292.55		292.55		
Convergency.					0.36	
Totals.			473.28 / 472.18	472.18	478.71 / 478.56	478.56
Error in Lat.						
Error in Dep			1.10		.15	

For general description see notes of this Tp.

Washington Jenkins
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 Washington Jenkins, United States Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the survey of the East and West Bdys. of T. 4 N. R. 7 W. of the Uintah Special Base and Meridian Utah, showing the respective capacities in which they acted:

E Hull, Chainman.
A. W. Criss, Chainman.
Henry Clift, Moundman.
, Moundman.
Joseph Turner, Axman.
, Axman.
Alvin Johnson, Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted Washington Jenkins, United States Deputy Surveyor, in surveying all those parts or portions of the East and West Boundaries of Township 4 North Range 7 West

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

E Hull, Chainman.
A W Criss, Chainman.
Henry Clift, Moundman.
, Moundman.
Joseph Turner, Axman.
, Axman.
Alvin Johnston, Flagman.

Subscribed and sworn to before me this 17th day of August, 1904

SEAL

Washington Jenkins
U. S. Deputy Surveyor

6—151

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, Washington Jenkins, United States Deputy Surveyor, solemnly swear that, in pursuance of a contract received from Edward M. Anders, United States Surveyor General for Utah, bearing date of 23d day of September, 1903, I have well, faithfully, and truly, in my proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for Utah, the Manual of Surveying Instructions, and the laws of United States, surveyed all those parts or portions of the East and West Bdys. of Township 4 North, Range 7 West of the Uintah Spc. Base and meridian, in the State of Utah, which are represented in foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for Utah and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey; and should any fraud be detected, I will submit to the penalty of perjury under the provisions of an Act of Congress approved August 8, 1846.

Washington Jenkins
United States Deputy Surveyor

Subscribed by said Washington Jenkins, and sworn to before me this 12th day of December, 1904

SEAL

Edward M. Anderson
U. S. Surveyor Gen.
For Utah

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, Dec. 20, 1904

The foregoing field notes of the survey of the East and West Boundaries of Township 4 North Range 7 West of the Uintah Spc. Base and Meridian, Utah

executed by Washington Jenkins under his contract No. 275, dated September 23, 1903, having been critically examined, and the necessary corrections and explanations made, the said field notes, and surveys they describe, are hereby approved.

United States Surveyor Ge.

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

United States Surveyor Gen.

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4—679.

BOOK A-330
C.

FILED
AUG 24 1904

FIELD NOTES

OF THE SURVEY OF THE

S_U_B_D_I_V_I_S_I_O_N

O_F

T_O_W_N_S_H_I_P N_O. 1 N_O_R_T_H

R_A_N_G_E N_O. 8 W_E_S_T

Of the UINTAH SPECIAL BASE AND *Meridian,*

I_N T_H_E S_T_A_T_E O_F U_T_A_H

AS SURVEYED BY

Washington Jenkins, *United States Deputy Surveyor,*

Under his Contract No. 275, *dated* September 23, 190 3

Survey commenced July 12, 190 4

Survey completed July 27, 190 4

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BOOK A-330

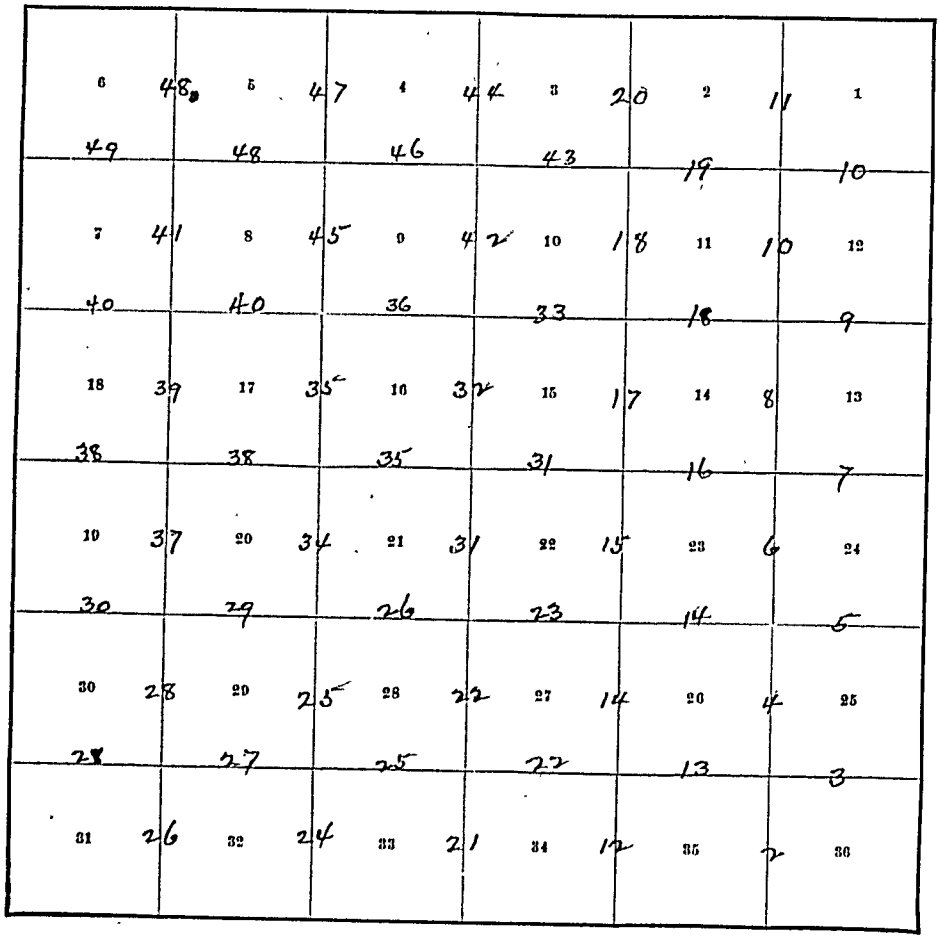
NAMES AND DUTIES OF ASSISTANTS.

E.Hull	Chainman.
A.W.Criss	Chainman.
Henry Clift	Moundman.
Joseph Turner	Axeman.
Alvin Johnston	Flagman.

BOOK A-330

INDEX DIAGRAM.

Township 1 North, *Range* 8 West



Meanders Page.....

PRELIMINARY OATHS OF ASSISTANTS.

We, E. Hull and A.W. Criss do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain over even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of the Subdivision of Township No.1 North, Range No.8 West of the Uintah Special Base and Meridian, Utah.

E. Hull, Chainman

A W Criss, Chainman

Subscribed and sworn to before me this 12th day of July, 1904

SEAL

Washington Jenkins
U.S. Deputy Surveyor

We, O. Henry Clift and

do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey of the Subdivision of Township No.1 North, Range No.8 West of the Uintah Special Base and Meridian, Utah.

O. Henry Clift, Moundman

, Moundman

Subscribed and sworn to before me this 12th day of July, 1904

SEAL

Washington Jenkins
U.S. Deputy Surveyor

We, J. Joseph Turner and

do solemnly swear that we will well and truly perform the duties of axmen 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 the Subdivision of Township No.1 North, Range No.8 West of the Uintah Special Base and Meridian, Utah.

Joseph Turner, Axman

, Axman

Subscribed and sworn to before me this 12th day of July, 1904

SEAL

Washington Jenkins
U.S. Deputy Surveyor

I, Alvin Johnston, do solemnly swear that I will well and t perform the duties of flagman according to instructions given me, to the best of my skill and ability, in survey of the Subdivision of Township No.1 North, Range No.8 West of th Uintah Special Base and Meridian, Utah.

Alvin Johnston, Flag.

Subscribed and sworn to before me this 12th day of July, 1904

SEAL

Washington Jenkins
U.S. Deputy Surveyor.

SUBDIVISION OF T 1 N R.8 W.

Survey commenced July 12,1904,and executed with a W.& L. E.Gurley light mountain transit with solar attachment. The horizontal limb is provided with two double verniers placed opposite to each other reading to single minutes of arc,which is also the least count of the verniers of the latitude and declination arcs.

The instrument was examined,tested on the true meridian at Salt Lake City,found correct and was approved by the surveyor general for Utah Oct.12,1903.

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

At the Base Line corner of Tp.1 N.Rs.7 and 8 W.,latitude 40°26'20" N.;longitude 110°45'14" W.I set off 40°26'N. on the lat.arc;21°57'N.on the decl.arc;and at 4 h.p.m. l.m.t.determine with the solar a true meridian and mark a point thereof on a stone firmly set in the ground 5 chs.N.of the cor.

At 11 h.57 m.p.m.by my watch which is 5 m.20s.slow of 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 peg driven in the ground 5 chs. N.of my station.

July 12,1904.

July 13: At 7h.0 m.a.m.l.m.t.I lay off the azimuth of Polaris 1°35'to the west and mark the meridian thus determined by cutting a small groove in the stone set July 12,which coincides exactly with the mark determined with the solar.

At 8 h.0 m.a.m.l.m.t.I set off 40°26'N.on the lat.arc;

SUBDIVISION OF T.1 N.R.8 W.

Chains.

21°51'N.on t he decl.arc;and mark a point in the meridian determined with the solar on the stone already set 5 chs.N.of my station;thei mark falls in the meridian established by the Polaris observation.

The solar apparatus therefore by p.m.and a.m.observations defines positions for meridians agreeing with the meridian established by the Polaris observations;therefore the adjustments of the instrument are satisfactory.

The magnetic bearing of the true meridian at 8 h.30 m.a.m.is N.16°50'W.;the angle thus determined gives the magdecl.16°50'E.

From the above named Tp.cor.,which is a trachyte stone, 6x12x4 ins. above ground,firmly set,marked and witnessed as described by Deputy F.M.Lyman Jr. under his contract No. 274,I retrace north on the E.bdy.of sec.36;and at 40.03 chs.intersect the $\frac{1}{4}$ sec.cor.;and at 79.96 chs.intersect the cor.of secs.25,30,31,and 36;therefore the line bears North.

From the Tp.cor.I run west on the Base Line on the S. bdy.of sec.36;at 39.96 chs.fall 1 lk.S.of the $\frac{1}{4}$ sec.cor, and at 80.02 chs.fall 1 lk.S.of the cor.of secs.1,2,35 and 36 on S.bdy.of the Tp.;consequently the S.bdy.of sec.36 bears west.

The bearings are therefore as stated by Deputy F.M.Lyman Jr.,under his contract No.274;and by Deputy Fred Johnson under his contract No.276,and my chaining practically agrees with the field notes of the original survey.

I commence at the standard cor.of secs.35 and 36 on the S.bdy.of the Tp.,which is a red sandstone 20x8x6 ins. above ground,firmly set and marked and witnessed as de-

SUBDIVISION OF T.1 N.R.8 W.

Chains.	
	scribed by Deputy Fred Johnson under his contract No. 276. Thence I run
	N.0°01'W.bet.secs.35 and 36
	Descending steep mountain,over red sandstone ledges; through scattering pine and cedar and dense undergrowth, over ground sloping NW.
6.00	Leave scattering pine,cedar,and brush,bears E.and W.
	Continue descending.
15.50	Creek 10 lks.wide,10 ins.deep,in bottom of canon about 300 ft.below sec.cor.,drains S.50°W.;clear water.
	Leave ledges bear S.50°W.and N.50°E.
	Ascend N.side of canon over stony ground.
24.00	Enter heavy pine and scrub cedar timber bears E.and W.
40.00	Set a sandstone 24x12x8 ins.18 ins.in the ground for ¼ sec.cor..marked ¼ on W.face;from which
	A cedar 12 ins.diam.bears N.58°W.25 lks.dist. marked ¼ S 35 B T
	A cedar 10 ins.diam.bears N.57°E.43 lks.dist. marked ¼ S 36 B T
43.00	Leave heavy pine and scrub cedar timber,bears E.and W.
	Continue ascent of mountain.
62.00	Top of ridge about 200 ft.above bottom of canon bears S. 70°E.and N.70°W.
	Descend into ravine.
71.00	Bottom of ravine about 75 ft.below top drains S.60°E.
	Over stony ground N.side of ravine.
79.00	Top of ridge about 100 ft.above bottom of ravine bears S.80°E.and N.80°W.;descend gradually.
80.00	Set a sandstone 14x12x7 ins.9 ins.in the ground for cor. of secs.25,26,35,and 36,marked with 1 notch on the S.and 1 notch on the E.edges;and raised a mound of stone 2 ft base 1½ ft.high W.of cor.Pits impracticable.
	Land mountainous.
	Soil stony and clay;4th rate.
	Timber pinon pine and cedar.

See notes page 1

SUBDIVISION OF T.1 N.R.8 W.

Chains.	Mountainous land 80.00 chs.
	East on a random line bet.secs.25 and 36
40.00	Set temp.¼ sec.cor.
80.00	Intersect E.bdy.of Tp.at the cor.of secs.25,30,31 and 36,which is a sandstone 5x10x5 ins.above ground,firmly set and marked and witnessed as described by Deputy F. M.Lyman Jr.under his contract No.274.
	Thence I run
	West on a true line bet.secs.25 and 36
	Ascending through scattering cedar.
3.00	Top of ridge about 50 ft.above the corner bears N.and S.
	Descend steep E.side of canon,rocky.
	Leave cedars bear N.and S.
10.85	Creek 3 lks.wide 8 ins.deep,clear water,in bottom of canon about 250 ft.below top of ridge,drains S.
	Ascend over rough stony ground W.side of canon.
19.00	Top of ridge 100 ft.above creek bears N.and S.
	Descend.
23.00	Bottom of ravine about 75 ft.below top of ridge drains S.;ascend.
30.00	Top of spur ridge 150 ft.above the bottom of ravine slopes S.
	Continue ascending more gradually.
40.00	Set a sandstone 16x10x8 ins.11 ins.in the ground for ¼ sec.cor.,marked ¼ on N.face;and raise a mound of stone 2 ft.base 1½ ft.high N.of cor.
	Pits impracticable.
53.00	Top of spur about 75 ft.above the ¼ sec.cor.slopes S.10° W.;descend into canon.
68.00	Bottom of canon or ravine about 100 ft.below top of spur drains S.45°E.;ascend to the spur.
80.00	The cor.of secs.25,26,35 and 36.
	Land mountainous and broken.

e.correction to book 2 page 182

SUBDIVISION OF SECTIONS

Chains.	
	Soil stony and clay; 3d and 4th rate.
	Timber scattering cedar.
	Mountainous land 80.00 chs.
	July 13. At this cor. I set off 21°50' N. on the decl. arc; and at $0^h 05^m$ p.m. mt. observe the sun on the mer.; the resulting lat. is 40°26' N.
	N. 0°01' W. bet. secs. 25 and 26
	Descending over rough stony ground sloping NE.
7.00	Bottom of canon about 75 ft. below the sec. cor. drains S. 80°E.
	Ascend N. side of same, abruptly.
13.00	Top of steep ascent about 125 ft. above bottom of canon bears N.40°W. and S.50°E.; continue ascending gradually.
32.00	Top of spur ridge about 200 ft. above bottom of canon slopes S.30°E.
	Descend along top of same, through scattering aspen grove bears N.30°W. and S.30°E.
38.50	Bottom of ravine about 50 ft. below top of spur drains S. 80°E.; ascend abruptly.
40.00	Top of spur ridge about 30 ft. above bottom of ravine, projects E.
	Set a sandstone 14x10x8 ins. 9 ins. in the ground for ¼ sec. cor., marked ¼ on W. face; from which
	An aspen 4 ins. diam. bears S. 46°E. 215 lks. dist. marked ¼ S 25 B T
	An aspen 4 ins. diam. bears S. 28°W. 112 lks. dist., marked ¼ S 26 B T
	Descend into ravine.
42.70	Bottom of canon or ravine about 70 ft. below the top, drains S. 40°E.
	Leave aspen grove bears S. 40°E. and N. 40°W.; ascend steep mountain over ground sloping SW.
71.70	Top of ridge about 200 ft. above the bottom of canon

See notes 2. f.

SUBDIVISION OF T.1 N.R.8 W.

Chains.	
	bears N.15°W.and S.30°E.;descend along NE.slope.
72.00	Enter dense aspen brush bears E.and W.
78.50	Leave aspen brush bears E.and W.
80.00	Set a sandstone 16x10x4 ins.11 ins.in the ground for cor.of secs.23,24,25,and 26,marked with 2 notches on S. and 1 notch on E.edge;and raise a mound of stone 2 ft. base 1½ ft.high W.of cor.
	Pits impracticable.
	This cor.is about 30 ft.below top of ridge.
	Land mountainous and broken.
	Soil stony and loamy;2d and 4th rate.
	Timber,aspen.
	Mountainous land,or land covered with dense brush 80.00 chs.

	East on a random line bet.secs.24 and 25
40.00	Set temp.¼ sec.cor.
80.30	Intersect E.bdy.of Tp.20 lks.N.of the cor.of secs.19,24 25 and 30,which is a sandstone 13x10x6 ins.above ground, firmly set and marked and witnessed as described by Deputy F.M.Lyman Jr.,under his contract No.274;
	Thence I run
	N.89°51'W.on a true line bet.secs.24 and 25
	Descending over steep and rocky E.side of canon.
10.80	Dry wash in bottom of canon about 250 ft.below the sec. cor.drains S.;the wash is about 25 ft.deep and 40 ft. wide;ascend abruptly alongn W.side of canon.
37.00	Top of ridge about 600 ft.above bottom of canon bears N. and S.;descend steep W.slope.
40.15	Set a sandstone 26x7x4 ins.19 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.
	Continue descending.
56.00	Bottom of canon about 300 ft.below top of ridge drains

SUBDIVISION OF T 1 N : 8 W

Chains.	
	S.;ascend.
80.30	The cor.of secs.23,24,25,and 26;cor.about 175 ft.above bottom of canon.
	Land mountainous.
	Soil rocky and alluvial;1st and 4th rate.
	No timber.
	Mountainous land 80.30 chs.
	July 13,1904.
	July 14,1904,at 7 h.0 m.a.m.l.m.t.I set off 40°28'N.on the lat.arc;21°43'N.on the decl.arc;and determine a meridian with the solar at the cor.of secs.23,24,25,and 26. Thence I run,
	N.0°01'W.bet.secs.23 and 24
	Descend into canon over stony ground sloping NE.
16.00	Bottom of canon about 100 ft.below the cor.cor.drains S. 80°E.;ascend.
32.00	Top of spur ridge about 100 ft.above bottom of canon slopes S.40°E.;descend over ground sloping NE.
35.00	Enter aspen grove bears S.40°E,and N.40°W.
40.00	Set a sandstone 14x8x6 ins.9 ins.in the ground for $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on W.face;from which
	An aspen 4 ins.diam.bears N.49°W.15 lks.dist. marked $\frac{1}{4}$ S 23 B T
	An aspen 4 ins.diam.bears S.1°E.25 lks.dist. marked $\frac{1}{4}$ S 24 B T
	Continue descending.
50.00	Bottom of canon about 150 ft.below top of spur drains S. 40°E.;ascend.
51.00	Leave dense aspen grove bears S.40°E.and N.40°W.
80.00	Set a quartzite stone 14x8x6 ins'9 ins.in the ground for cor.of secs.13,14,23,and 24,marked with 3 notches on the S.and 1 notch on the E.edge;and raise a mound of stone 2 ft.base $1\frac{1}{2}$ ft.high W.of cor.
	Pits impracticable.

See cor. notes to pages

SUBDIVISION OF T.1 N.R.8 W.

Chains	
	Cor.about 250 ft.above bottom of canon.
	Land mountainous very broken.
	Soil stony and clay;3rd and 4th rate.
	No timber.
	Aspen brush.
	Mountainous land 80.00 chs.

S.89°51'E.on a random line bet.secs.13 and 24

40.00	Set temp.$\frac{1}{4}$ sec.cor.
80.30	Intersect E.bdy.of Tp.26 lks.N.of cor.of secs.13,18,19 and 24,which is a sandstone 12x10x6 ins.above ground, firmly set and marked and witnessed as described by Deputy F.M.Lyman Jr.,under his contract No.274;thence I run

N.89°40'W.on a true line bet.secs.13 and 24

Ascending through dense undergrowth of aspen brush; over stony ground sloping E.

1.50	Leave aspen brush bears N.and S.;thence over ground sloping S.
17.00	Enter dense undergrowth of aspen brush bears N.and S.
	Begin steep ascent bears N.and S.
20.00	Leave aspen brush bears N.and S.
	Top of steep ascent bears N.and S.
	Ascend more gradually.
29.00	Top of ridge bears S.30°E.and N.30°W.,about 200 ft.above the sec.cor.
	Descend very steep and rocky SW.slope.
40.15	Set a sandstone 16x10x8 ins.11 ins.in the ground for $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on N.face;raise a mound of stone 2 ft.base 1$\frac{1}{2}$ ft.high N.of cor. Pits impracticable.
	Corner about 100 ft.below the top.
45.00	Bottom of canon about 150 ft.below the top drains S.10° E.
	Ascend very steep West side over stony ground;through

See correction notes book D page 3 & 4

SUBDIVISION OF T.1 N.R.8 W.

Chains.	
	dense brush.
50.00	Top of W.side of canon about 200 ft.above the bottom bears S.10°E.and N.10°W.
	Continue ascending more gradually over rolling and broken ground;through scattering aspen and mountain brush.
80.30	The cor.of secs.13,14,23,and 24.
	Land mountainous.
	Soil rocky and clay;3rd and 4th rate.
	No timber.
	Aspen brush.
	Mountainous land 80.30 chs.
	July 14:At this cor.I set off 21°42'N.on the decl.arc;and at 0^h06^m. p.m.l.m.t.observe the sun on the meridian;the resulting lat.is 40°29'N.or within 1' of the proper lat.
	N.0°01'W.bet.secs.13 and 14
	Ascending over stony ground sloping S.;through scattering aspen brush.
37.00	Top of spur about 400 ft.above the sec.cor.bears S.40°E.
	Continue ascending along W.side of deep canon draining S.about 10°E.
40.00	Set a sandstone 18x10x7 ins.12 ins.in the ground for $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on W.face;from which
	An aspen 10 ins.diam.bears S.72°E.11 lks.dist.
	marked $\frac{1}{4}$ S 13 B T
	An aspen 10 ins.diam.bears S.19°W.39 lks.dist.
	marked $\frac{1}{4}$ S 14 B T
	Continue ascending along W.side of canon;through dense aspen timber.
80.00	Set a limestone 18x12x4 ins.12 ins.in the ground for cor. of secs.11,12,13,and 14;marked with 4 notches on the S. and 1 notch on the E.edges;from which
	An aspen 6 ins.diam.bears S.43°W.58 lks.dist.
	marked T 1 N R 8 W S 14 B T

SUBDIVISION OF T.1 N.R.8 W.

Chains	
	An aspen 4 ins.diam.bears S.5°E.56 lks.dist. marked T 1 N R 8 W S 13 B T
	An aspen 5 ins.diam.bears N.68°E.77 lks.dist. marked T 1 N R 8 W S 12 B T
	An aspen 6 ins.diam.bears N.13°W.340 lks.dist. marked T 1 N R 8 W S 11 B T
	Corner about 300 ft.above top of spur ridge on S.slope of main mountain on W.side of deep canon.
	Land mountainous and rough.
	Soil rocky and alluvial;2d and 4th rate.
	Timber aspen.
	Mountainous or heavily timbered land 80.00 chs.
	S.89°40'E.on a random line bet.secs.12 and 13
40.00	Set temp.$\frac{1}{4}$ sec.cor.
80.20	Intersect E.bdy.of Tp.14 lks.S.of the cor.of secs.7,12, 13,and 18,which is a sandstone 11x12x3 ins.above ground firmly set and marked and witnessed as described by Deputy F.M.Lyman Jr.,under his contract No.274.
	Thence I run
	N.89°46'W.on a true line bet.secs.12 and 13
	Ascending over stony ground along SE.slope.of mountain; through heavy aspen timber.
15.00	Leave heavy aspen timber bears N.20°E.and S.20°W.
17.00	Top of spur ridge about 60 ft.abobe the sec.cor.,slopes S.
	Descend into canon.
27.00	Enter dense aspen grove bears N.10°E.and S.10°W.
35.00	Bottom of canon about 200 ft.below the top of spur drains S.30°W.;ascend.
40.10	Set a sandstone 18x10x6 ins.12 ins.in the ground for $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on N.face;from which
	An aspen 8 ins.diam.bears S.30°E.26 lks.dist. marked $\frac{1}{4}$ S 13 B T

See correction notes book 2 page 4 & 5

SUBDIVISIO. OF T[illegible] N [illegible] W

Chains.	
	An aspen 8 ins.diam.bears N.40°E.22 lks.dist. marked $\frac{1}{4}$ S 12 B T
	Continue ascending W.side of canon.
47.00	Top of ridge about 100 ft.above bottom of canon bears N. and S.;descend steep E.side of canon.
60.00	Bottom of canon about 250 ft.below the top of ridge drains S.
	Ascend abruptly along W.side.
80.20	The cor.of secs.11,12,13 and 14.
	Land mountainous and rough.
	Soil rocky and alluvial;2d and 4th rate.
	Timber aspen.
	Mountainous and heavily timbered land 80.20 chs.
	July 15.1904, July 14,1904.

See corre Notes b pages 4

	July 15: At 7 h.0 m.a.m.l.m.t.I set off 40°30'N.on lat. arc;21°34'N.on decl.arc;and determine a meridian with the solar at the cor.of secs.11,12,13,and 14.
	Thence I run
	N.0°01'W.bet.secs.11 and 12
	Ascend over mountainous land;through dense aspen timber.
36.00	Leave aspen and enter heavy burned pine timber bears E. and W.
40.00	Set a white sandstone 14x12x5 ins.9 ins.in the ground for $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on W.face;from which
	An aspen 4 ins.diam.bears S.27°E.35 lks.dist. marked $\frac{1}{4}$ S 12 B T
	A pine 6 ins.diam.bears N.46°30'W.20 lks.dist. marked $\frac{1}{4}$ S 11 B T
	The $\frac{1}{4}$ sec.cor.is about 500 ft.above the sec.cor.on ground sloping SE.
	Ascend abruptly from the cor.
45.00	Leave burned pine timber bears E.and W.
	Thence over slide rock;very steep.

SUBDIVISION OF T 1 N R 8 W

Chains.	
53.00	Enter burned pine timber bears E.and W.
	Leave slide rocks;continue steep ascent.
68.00	Top of steep mountain about 500 ft.above the ¼ sec.cor.
	slopes S.40°E.
	Descend into head of canon drains S.60°E.
78.00	Bottom of head of canon about 75 ft.below the top,drains
	S.60°E.;ascend to corner.
80.00	Set a white sandstone 14x10x4 ins.9 ins.in the ground
	for cor.of secs.1,2,11,and 12;marked with 5 notches on
	the S.and 1 notch on the E.edge;from which
	A pine 5 ins.diam.bears S.35°W.48 lks.dist.
	marked T 1 N R 8 W S 11 B T
	A pine 7 ins.diam.bears S.35°E.147 lks.dist.
	marked T 1 N R 8 W S 12 B T
	A pine 24 ins.diam.bears N.63°E.135 lks.dist.
	marked T 1 N R 8 W S 1 B T
	A pine 26 ins.diam.bears N.2°W.264 lks.dist.
	marked T 1 N R 8 W S 2 B T
	Land mountainous.
	Soil alluvial and rocky;1st and 4th rate.
	Timber pine and aspen.
	Mountainous or heavily timbered land 80.00 chs.

S!89°46'E.on a random line bet.secs.1 and 12

40.00	Set temp.½ sec.cor.
80.40	Intersect E.bdy.of Tp.12 lks.N.of the cor.of secs.1,6,7
	and 12,which is a sandstone 9x10x5 ins.above ground,
	firmly set and marked and witnessed as described by Dep-
	uty F.M.Lyman Jr.,under his contract No.274.
	Thence I run
	N.89°41'W.on a true line bet.secs.1 and 12
	Descending abruptly SW.slope of mountain;through burned
	pine timber.
12. 0	

See correction Misc book 2 pages 5 & 6

SUBDIVISION OF T.1 N.R.8 W.

Chains	
12.00	Bottom of canon about 100 ft.below the sec.cor.drains S. 10°W.;ascend steep side of canon.
18.00	Top of spur about 100 ft.above bottom of canon slopes S. Descend abruptly.
36.50	Bottom of canon about 200 ft.below top of spur,drains S.45°E. Ascend mountain over SE.slope,through dead and fallen pine timber.
40.20	Set white sandstone 14x12x4 ins.9 ins.in the ground for ¼ sec.cor.,marked ¼ on N.face;from which A pine 36 ins.diam.bears N.53°30'E.32 lks.dist. marked ¼ S 1 B T A pine tree 10 ins.diam.bears S.67°E.17 lks.dist. marked ¼ S 12 B T
70.00	Top of mountain and steep ascent about 600 ft.above bottom of canon bears N.and S. Descend through heavy pine timber.
80.40	The cor.of secs.1,2,11,and 12 about 100 ft.below top of mountain.
	Land mountainous. Soil rocky and alluvial 2d and 4th rate. Timber pine. Mountainous and heavily timbered land 80.40 chs.

See co. notes E. pages 0.

N.0°01'W.on a random line bet.secs.1 and 2

40.00	Set temp.¼ sec.cor.
79.75	Intersect N.bdy.of Tp.at the cor.of secs.1,2,35,and 36 which is a sandstone 6x12x6 ins.above ground,firmly set and marked and witnessed as described by Deputy Fred Johnson under his contract No.276. Thence I run

S.0°01'E.on a true line bet.secs.1 and 2

Ascending steep mountain over ledges and loose rocks, and through scattering pine timber.

SUBDIVISION OF T.1 N.R.8 W.

Chains.	
39.75	Top of main mountain 500 ft.above sec.cor.bears E.and W.
	Set a white sandstone 24x12x5 ins.18 ins.in the ground for $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on W.face;raise a mound of stone 2 ft.base $1\frac{1}{2}$ ft.high W.of cor.
	Pits impracticable.
	No bearing trees within limits.
	Descend steep S.side of mountain;through scattering pine timber;over stony ground.
60.00	Enter heavy pine timber bears E.and W.;mostly burned.
79.75	The cor.of secs.1,2,11,and 12,about 600 ft.below top.
	Land mountainous.
	Soil rocky;4th rate.
	Timber pine.
	Mountainous or heavily timbered land 79.75 chs.
	July 15,1904,at the noon hour cloud obscures the sun, take no observation for lat.this day.
	July 15,1904.

July 16: At 7 h.0 m.a.m.l.m.t.I set off 40°25'N.on the lat.arc;21°25'N.on the decl.arc;and determine a meridian with the solar at the standard cor.of secs.34 and 35 on S.bdy.of Tp.,which is a sandstone 6x12x3 ins.above ground firmly set and marked and witnessed as described by Deputy Fred Johnson under his contract No.276.

Thence I run

N.0°02'W.bet.secs.34 and 35

Through scattering cedar and pinon pine timber;ascending over mountain,stony land.

6.50	Top of spur projects SW.
	Descend.
7.50	Small dry wash drains S.40°W.
	Ascend mountain.

SUBDIVISION OF T.1 N.R.8 W.

Chains.	
17.50	Top of ridge about 200 ft.above bottom of wash drains S.40°W.;descend.
20.00	Bottom of dry wash in ravine 50 ft.below top of of ridge drains S.50°W.;ascend mountain over stony ground.
30.00	Top of ridge about 100 ft.above bottom of dry wash bears N.45°E.and S.45°W.
	Continue ascending gradually over sagebrush land;
	Leave scattering cedar bears E.and W.
40.00	Set a sandstone 20x8x3 ins.15 ins.in the ground for ¼ sec.cor.,marked ¼ on W.face;raise a mound of stone 2 ft.base 1½ ft.high W.of cor.Pits impracticable.
45.00	Begin steep descent into canon bears S.40°W.and N.40°E.
48.00	Bottom of canon about 100 ft.below beginning of descent drains S.40°W.;ascend abruptly.
55.00	Top of steep ascent about 100 ft.above bottom bears S. 40°W.and N.40°E.;continue ascending more gradually.
62.00	Begin abrupt descent into canon bears S.45°W.and N.45°E.
64.50	Bottom of canon about 100 ft.below beginning of descent drains S.45°W.;ascend steep mountain over stony land slopes S.
80.00	Set a sandstone 22x10x4 ins. 4 ins.in the ground for cor.of secs.26,27,34,and 35,marked with 1 notch on the S.and 2 notches on the E.edge;raise a mound of stone 2 ft.base 1½ ft.high W.of cor.
	Pits impracticable.
	On account of stony ground it was impossible to set stone deeper in the ground.I raise a mound of stone around the cor.
	Land mountainous.
	Soil stony and clay;4th rate.
	Timber scattering pinon and cedar.
	Mountainous land 80.00 chs.

SUBDIVISION OF T.1 N.R.8 W.

Chains.	
	E.on a random line bet.secs.26 and 35
40.00	Set temp.$\frac{1}{4}$ sec.cor.
80.20	Intersect N.and S.line 14 lks.N.of cor.of secs.25,26, 35 and 36.Thence I run
	N.89°54'W.on a true line bet.secs.26 and 35
	Ascending steep mountain.
19.00	Top of spur ridge about 100 ft.above sec.cor..slopes S.60°E.
	Descend steep mountain over stony ground slopes S.
40.10	Set a sandstone 18x12x6 ins.12 ins.in the ground for $\frac{1}{4}$ sec.cor..marked $\frac{1}{4}$ on N.face;raise a mound of stone 2 ft.base $1\frac{1}{2}$ ft.high N.of cor.Pits impracticable.
59.00	Rocky ravine 40 ft.deep,200 ft.wide drains S.10°W.5 chs.;then S.50°W.
	Thence over south slppe.
66.00	Dry wash 6 ft.deep,50 ft.wide drains S.10°W.
73.00	Small dry wash drains S.
80.20	The cor.of secs.26,27,34,and 35 about 250 ft.below top of spur ridge.
	Land mountainous.
	Soil rocky 4th rate.
	No timber.
	Mountainous land 80.20 chs.

See corrections Notes book 2 pages 6

N.0°02'W.bet.secs.26 and 27

	Ascending stony S.slope of mountain;steep.
7.00	Top of ridge about 100 ft.above sec.cor.bears E.and W.
	Descend.
10.00	Bottom of descent at head of canon drainins E.and S.
	Ascend stony S.slope of mountain.
34.50	Top of main ridge of mountain about 150 ft.above top of last ridge bears N.40°E.and S.40°W.
	Descend steep NW.slope into canon.
40.00	Set a sandstone 20x8x4 ins.15 ins.in the ground for $\frac{1}{4}$

SUBDIVISION OF T.1 N.R.8 W.

Chains.	
	sec.cor.;marked ¼ on W.face;raise a mound of stone 2 ft.base 1½ ft.high W.of cor.Pits impracticable.
	Corner about 100 ft.below top of ridge.
60.50	Ridge bears S.40°W.and N.40°E. at top of very steep descent into canon,through dense brush.
80.00	Set a sandstone 16x12x5 ins.11 ins.i n the g round for cor.of secs.22,23,26 and 27,marked with 2 notches on S. and 2 notches on E.edge;raise a mound of stone 2 ft. base 1½ ft.high W.of cor.Pits impracticable.
	Corner about 250 ft.below top of ridge on ground sloping NW.
	Land mountainous.
	Soil rocky;4th rate.
	No timber.
	Mountainous land 80.00 chs.
	July 16: At this cor.I set off 21°22'N.on the decl.arc; and at $o^h.06^m$ p m. l.m.t.observe the sun on the meridian; the resulting lat.is 40°28'or within 1'of the proper lat.

S.89°54'E.on a random line bet.secs.23 and 26

40.00	Set temp.¼ sec.cor.
80.15	Intersect N.and S.line 12 lks.S.of the cor.of secs.23, 24.25 and 26
	Thence I run
	N.89°59'W.on a true line bet.secs.23 and 26
	Ascending steep mountain.
5.00	Top of ridge about 50 ft.above the sec.cor.bears N.15°W. and S.15°E.;descend into canon.
20.00	Bottom of canon about 200 ft.below top drains S.5°W.
	Ascend.
38.50	Enter aspen grove bears N.and S.
40.07½	Set a sandstone 18x14x4 ins.12 ins.in the ground for ¼ sec.cor.,marked ¼ on N.face;from which

See correction Notes book 2, page 7

SUBDIVISION OF T 1 N R 8 W

Chains.	
	An aspen 5 ins.diam.bears N.30°W.5 lks.dist. marked $\frac{1}{4}$ S 23 B T
	An aspen 5 ins.diam.bears S.17°E.8 lks.dist. marked $\frac{1}{4}$ S 26 B T
41.00	Leave aspen grove bears N.and S.
42.50	Top of main ridge about 300 ft.above the bottom of canon bears S.5°W.and N.5°E.;descend into canon.
64.00	Bottom of small ravine about 200 ft.below the top drains S.5°W.;This is head of ravine.
	Ascend gradually.
67.00	Top of ridge about 20 ft.above head of ravine bears S. 5°W.and N.5°E.
	Descend very abruptly into canon.
80.15	The cor.of secs.22.23,26,and 27,about 400 ft.below top of main ridge.
	Land mountainous.
	Soil stony;3d and 4th rate.
	No timber.
	Mountainous land 80.15 chs.

N.0°02'W.bet.secs.22 and 23

	Descending steep NW.slope into canon.
7.00	Bottom of canon about 100 ft.below the sec.cor.drains S. 50°W.
	Ascend N.side of canon over stony ground,steep.
15.00	Spur ridge slopes S.40°E.;ascend along head of ravine.
27.00	Head of ravine drains S.40°E.
	Continue ascending.
40.00	Set a sandstone 20x10x4 ins.15 ins.in the ground for $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on W.face;raise a mound of stone 2 ft. base 1½ ft.high W.of cor.
	Pits impracticable.
	Continue ascending.

SUBDIVISION OF T.1 N.R.8 W.

Chains.	
53.00	Enter aspen brush bears E.and W.
67.00	Leave aspen brush bears E.and W.
80.00	Set a sandstone 18x10x8 ins.6½ ins.in the ground for cor. of secs.14,15,22 and 23,marked with 3 notches on S.and 2 notches on E.edge;raise a mound of stone 2 ft.base 1½ ft.high W.of cor.Pits impracticable. Solid rock prevents setting cor.deeper. Build mound of stone around the corner. The cor.is about 600 ft.above bottom of canon near top of mountain.
	Land mountainous.
	Soil stony;4th rate.
	No timber.
	Undergrowth aspen brush.
	Mountainous land 80.00 chs..

July 16,1904.

July 17:At 7 h.0 m.a.m.l.m.t.I set off 40°29'N.on the lat.arc 21°15'N.on the decl.arc;and determine a meridian with the solar at the cor.of secs.14,15,22,and 23.

Thence I run

S.89°59'E.on a random line bet.secs.14 and 23

40.00	Set temp.¼ sec.cor.
80.25	Intersect N.and S.line 35 lks.S.of the cor.of secs.13,14 23,and 24.Thence I run

S.89°46'W.on a true line bet.secs.14 and 23

Descend from cor.over stony ground.

5.00	Small ravine drains S.40°W.about 40 ft.below sec.cor.
	Ascend'
20.00	Top of ridge 40 ft.above bottom of ravine bears N.10°E. and S.10°W.
	Descend into canon.
39.00	Spring branch 1 ft.deep,5 lks.wide clear water,about 400 ft.below top of E.side of canon,drains S.30°E.about 10 chs.;then SW.

SUBDIVISION OF T.1 N.R.8 W.

Chains.	
	Ascend steep W.side of canon;through aspen timber bears N.and S.
40.12½	Set white sandstone 16x10x4 ins.11 ins.in the ground for ¼ sec.cor.,marked ¼ on N.face;from which An aspen 6 ins.diam.bears N.17°E.53 lks.dist. marked ¼ S 14 B T A pine 10 ins.diam.bears S.31°E.120 lks.dist. marked ¼ S.23 B T
60.00	Top of steep ascent bears N.and S.
	Continue ascending,gradually.
80.25	The cor.of secs.14,15,22,and 23 about 400 ft.above bottom of canon.
—	Land mountainous.
	Soil stony;4th rate.
	No timber.
	Mountainous land 80.25 chs.

July

N.0°02'W.bet.secs.14 and 15

	Ascending steep mountain over rocky SE.slope.
27.00	Top of spur of mountain about 200 ft.above the sec.cor. bears S.20°E.and N.20°W.
	Descend abruptly through heavy pine timber mostly burnt.
40.00	Set a white sandstone 16x12x4 ins11 ins.in the ground for ¼ sec.cor.,marked ¼ on W.face. Solid rock prevents setting cor.deeper in ground;raise a mound of stone around cor.;from which A pine 18 ins.diam.bears N.50°E.153 lks.dist. marked ¼ S 14 B T A pine 6 ins.diam.bears N.33°W.82 lks.dist. marked ¼ S 15 B T
	Continue descending.
80.00	Set a red sandstone 16x12x5 ins.11 ins.in the ground for cor.of secs.10,11,14,and 15,marked with 4 notches

SUBDIVISION OF T.1 N.R.8 W.

Chains	
	on the S.and 2 notches on E.edge;from which
	A pine 12 ins.diam.bears N.30°E.41 lks.dist.
	marked T 1 N R 8 W S 11 B T
	A pine tree 14 ins.diam.bears S.66°E.56 lks.dist.
	marked T 1 N R 8 W S 14 B T
	No other trees within limit.raise a mound of stone 2.ft.
	base 1½ ft.high W.of cor.Pits impracticable.
	Land mountainous.
	Soil rocky;4th rate.
	Timber pine.
	Mountainous or heavily timbered land 80.00 chs.
	July 17:At this cor.I set off 21°12'N.on the decl.arc;and
	at 0h.06m.p.m.l.m.t.observe the sun on the meridian;the
	resulting lat.is 40°30'N.
	N.89°46'E.on a random line bet.secs.11 and 14
40.00	S et temp.¼ sec.cor.
80.02	Intersect N.and S.line 33 lks.N.of the cor.of secs.11,
	12,13,and 14;thence I run
	West on a true line bet.secs.11 and 14
	Ascending through dense aspen and scattering pine timber.
4.00	Small ridge about 20 ft.above sec.cor.bears N.and S.
	Descend into canon.
18.00	Bottom of canon about 100 ft.below top of ridge drains
	SW.;ascend.
29.00	Top of ridge about 100 ft.above bottom of canon bears S.
	10°W.and N.10°E.;descend.
40.01	Set a sandstone 15x10x5 ins.10 ins.in the ground for ¼
	sec.cor.,marked ¼ on N.face;from which
	An aspen 6 ins.diam.bears S.28°E.56 lks.dist.
	marked ¼ S 14 B T
	A pine 36 ins.diam.bears N.51°W.45 lks.dist.
	marked ¼ S 11 B T
41.00	Bottom of ravine about 150 ft.below the top,drains S.5°

SUBDIVISION OF T.1 N.R.8 W.

Chains.	
	W.; ascend.
50.00	Top of main ridge about 150 ft.above bottom of ravine bears N.20°E.and S.20°W.
	Descend into canon very steep.
77.00	Spring branch 1 ft.deep,5 lks.wide in bottom of canon 700 ft.below top of ridge drains S.10°E.
	Ascend to cor.
80.02	The cor.of secs.10,11,14,and 15.
	Land mountainous.
	Soil rocky and loamy;2d and 4th rate.
	Timber pine and aspen.
	Mountainous and heavily timbered land 80.02 chs.

N.0°02'W.bet.secs.10 and 11

	Descending steep NE.slope of mountain;through heavy pine timber.
6.25	Spring branch 1 ft.deep,5 lks.wide in bottom of canon about 100 ft.below the cor.,drains S.25°E.
	Ascend steep rocky SW.slope of mountain through heavy pine and dead timber.
40.00	Set a red sandstone 16x10x4 ins.11 ins.in the ground for $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on W.face;from which
	A pine 20 ins.diam.bears N.49°30'W.35 lks.dist. marked $\frac{1}{4}$ S 10 B T
	A pine 14 ins.diam.bears S.74°E.70 lks.dist. marked $\frac{1}{4}$ S 11 B T
	Corner about 600 ft.above spring branch.
54.50	Top of spur about 200 ft.above the $\frac{1}{4}$ sec.cor.slopes S. 20°W.;descend over stony NW.slope.
57.50	Ravine drains S.60°W.
	Ascend along E.side of canon;through heavy pine timber.
80.00	Set a sandstone 16x12x4 ins.11 ins.in the ground for cor.of secs.2,3,10,and 11,marked with 5 notches on the S.and 2 notches on the E.edge;from which

SUBDIVISION OF T.1 N.R.8 W.

Chains.

An aspen 5 ins.diam.bears N.72°E.51 lks.dist. marked T 1 N R 8 W S 2 B T

An aspen 6 ins.diam.bears S.66°E.81 lks.dist. marked T 1 N R 8 W S 11 B T

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

Land mountainous.

Soil rocky;4th rate.

Timber pine.

Mountainous and heavily timbered land 80.00 chs.

July 17,1904.

July 18: At 7 h.0 m.a.m.l.m.t.I set off 40°31'N.on the 1st.arc;21°04'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

N.on a random line bet.secs.2 and 11

15.04 To foot of impassable cliffs;

Set a temp.witness point.

Then offset as follows:

S.0°02'E.21.00 chs.;then on the offset line East 40.00 chs. Set temp.witness cor.to ¼ sec.cor.;then

East 50.54 chs.counting from sec.cor.;then

N.0°01'W.21.00 chs.to random line on which at

80.04 Intersect N.and S.line 7 lks.S.of the cor.of secs.1,2, 11,and 12;Thence I run

S.89°57'W.on a true line bet.secs.2 and 11

Descending into head of canon;through burnt pine timber.

3.00 Bottom of canon 60 ft.below sec.cor.drains S.20°E.

Ascend through heavy pine timber.

20.00 Leave heavy timber bears N.40°E.and S.40°W.;enter dense brush.

SUBDIVISION OF T.1 N.R.8 W.

Chains.	
29.50	Top of mountain about 300 ft.above bottom of canon bears N.45°E.and S.45°W.;top of impassable cliffs. Point for ¼ sec.cor.falls in the cliffs ,cannot be set. Set a white sandstone 18x10x6 ins.4 ins.in the ground for witness cor.to ¼ sec.cor.,marked WC¼ on N.face; raise a mound of stone 2 ft.base 1½ ft.high N.of cor. Pits impracticable. Solid rock prevents setting corner deeper in the ground;raise a mound of stone around cor. To pass cliffs I offset 21.00 chs.S.0°01'E.;then S.89° 57'W.on the offset line,
40.02	The point for ¼ sec.cor.falls in the cliffs 21.00 chs. N. Continue offset line to
65.00	Offset N.0°02'W.21.00 chs.to true line to foot of cliffs about 600 ft.below the top bears N.45°E.and S.5°W. Set a white sandstone 17x8x7 ins.11 ins.in the ground for for witness point marked W P on N.face;raise a mound of stone 2 ft.base 1½ ft.high N.of cor. Pits impracticable. Continue descending through aspen brush.
80.04	The cor.of secs.2,3,10.and 11,about 1000 ft.below top of cliffs. Land mountainous. Soil rocky;4th rate. Timber pine and aspen. Mountainous land 80.04 chs. July 18:At noon hour sky overcast,solar observation impossible.

N.0°02'W.on a random line bet.secs.2 and 3

40.00	Set temp.½ sec.cor.
79.80	Intersect N.bdy.of Tp.20 lks.W.of the cor.of secs.2,3, 34,and 35,which is a sandstone 5x8x6 ins.above ground, firmly set and marked and witnessed as described by Dep-

SUBDIVISION OF T.1 N.R.8 W.

Chains.

uty Fred Johnson under his contract No.276.Thence I run

S.0°07'W.on a true line bet.secs.2 and 3

Descend through grassy clearing on top of muuntain over ground sloping SW.

Scattering aspen within 5 chs.on each side.

39.80 Set a limestone 16x8x5 ins.11 ins.in the ground for ¼ sec.cor.,marked ¼ on W.face;from which

An aspen 12 ins.diam.bears S.89°E.126 lks.dist: marked ¼ S 2 B T

An aspen 8 ins.diam.bears S.63°W.217 lks.dist. marked ¼ S 3 B T

Continue descending.

79.80 The cor.of secs.2,3,10,and 11,about 300 ft.below the ¼ sec.cor.

Land mountainous.

Soil loamy;3d and 4th rate.

Timber pine and scattering aspen.

Mountainous land 79.80 chs.

July 18,1904.

July 19:At 7 h.0 m.a.m.l.m.t.I set off 40°26'N.on the lat.arc;20°54'N.on the decl.arc;and determine a meridian with the solar at the standard cor.of secs.33 and 34 on S.bdy.of Tp.,which is a sandstone 4x10x5 ins.above ground,firmly set and marked and witnessed as described by Deputy Fred Johnson under his contract No.276.

Thence I run

N.0°02'W.bet.secs.33 and 34

Ascending gradually over sagebrush flat sloping W.

30.00 Bottom of steep mountain bears E.and W.;ascend throggh scattering cedar,over stony ground.

40.00 Set a sandstone 16x10x5 ins.11 ins.in the ground for ¼ sec.cor.,marked ¼ on W.face;from which

A pinon pine 5 ins.diam.bears S.13°30'W.12

SUBDIVISION OF T.1 N.R.8 W.

Chains.

marked ¼ S 33 B T

A cedar 5 ins.diam.bears S.30°E.75 lks.dist.

marked ¼ S 34 B T

Corner on steep S.slope of mountain.

45.00 Top of mountain about 200 ft.above bottom bears E.and W.;continue ascending gradually on top of mountain; Leave scattering cedar and pinon pine timber.

80.00 Set a sandstone 16x10x6 ins.11 ins.in the ground for cor.of secs.27,28,33,and 34,marked with 1 notch on S. and 3 notches on E.edge;raise a mound of stone 2 ft.base 1½ ft.high W.of cor.

Pits impracticable.

Land mountainous and level.

Soil stony and clay;3d and 4th rate.

Timber scattering cedar and pinon pine.

Mountainous land 50.00 chs.

E.on a random line bet.secs.27 and 34

40.00 Set temp.¼ sec.cor.

80.24 Intersect N.and S.line 5 lks.N.of the cor.of secs.26,27, 34 and 35.

Thence I run

N.89°58'W.on a true line bet.secs.27 and 34

Ascending steep and rocky S.slope of mountain.

13.90 Ravine drains S.;ascend steep E.slope of mountain.

25.00 Top of main ridge about 100 ft.above ravine bears N.40° E.and S.40°W.;descend over steep,stony ground,into canon;through scattering pine and cedar.

40.13 Set a sandstone 36x8x4 ins.27 ins.in the ground for ¼ sec.cor.,marked ¼ on N.face;from which

A pinon pine 14 ins.diam.bears S.4°W.66 lks.dist.

marked ¼ S 34 B T

A pinon pine 24 ins.diam.bears N.22°E.160 lks.dist.

marked ¼ S 27 B T

SUBDIVISION OF T.1 N.R.8 W.

Chains.	
	Corner on very steep NW.slope.
50.00	Bottom of steep slope in bottom of canon bears N.and S.
57.00	Foot of steep ascent on W.side of canon bears N.and S.
73.00	Top of ridge on W.side of canon 150 ft.above the botton, bears N.and S.;descend gradually to the cor.
80.24	The cor.of secs.27,28,33,and 34.
	Land mountainous.
	Soil rocky;4th rate.
	Timber cedar and pinon pine.
	Mountainous land 80.24 chs.

N.0°02'W.bet.secs.27 and 28

	Ascending gradually along top of mountain.
20.00	Begin steep ascent bears E.and W.,over stony ground slopes E.
40.00	Set a sandstone 24x14x8 ins.6 ins.in the ground for ¼ sec.cor.,marked ¼ on W.face;raise a mound of stone 2 ft.base 1½ ft.high W.of cor.Pits impracticable. Solid rock prevents setting stone deeper;raise a mound of stone around cor.
41.50	Top of ridge about 150 ft.above beginning of steep ascent bears S.10°E.and N.10°W.
	Descend along NE.slope.
70.00	Bottom of ravine about 100 ft.below the top of ridge drains S.40°E.
	Ascend gradually over sagebrush land.
80.00	Set a sandstone 18x11x4 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;raise a mound of stone 2 ft. base 1½ ft.high W.of cor.Pits impracticable.
	Corner about 10 ft.above bottom of ravine.
	Land mountainous.
	Soil stony;4th rate.
	No timber.

SUBDIVISION OF T.1 N.R.8 W.

Chains.	
	Mountainous land 80.00 chs.
	July 19:At this cor.I set off 20°50'N.on the decl.arc; and at 0^h06^m p.m.l.m.t.observe the sun on the meridian; the resulting lat.is 40°28'N.
	S.89°58'E.on a random line bet.secs.22 and 27
40.00	Set temp.$\frac{1}{4}$ sec.cor.
80.14	Intersect N.and S.line 19 lks.S.of the cor.of secs.22, 23,26,and 27;Thence I run
	S.89°54'W.on a true line bet.secs.22 and 27
	Descending over steep rocky ground into canon.
15.50	Bottom of canon about 75 ft.below the cor.drains S.40° W.;ascend steep and rocky W.side;through dense under-growth.
38.50	Top of ridge about 400 ft.above bottom of canon bears S.10°W.and N.10°E.;descend.
40.07	Set a limestone 20x10x5 ins.15 ins.in the ground for $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on N.face;raise a mound of stone 2 ft.base $1\frac{1}{2}$ ft.high N.of cor.
	Pits impracticable.
	Corner on steep NW.slope.
62.20	Bottom of canon about 400 ft.below top of ridge drains S.5°W.
63.50	Bottom of another canon heads N.and drains S.;junction of both canons;ascend steep and rocky E.slope.
74.00	Top of W.side of canon about 200 ft.above bottom bears N.and S.;descend gradually over sagebrush flat to cor-ner.
80.14	The cor.of secs.21,22,27,and 28 about 10 ft.below the top of W.side of canon.
	Land mountainous.
	Soil stony 4th rate.
	No timber.
	Mountainous land 80.14 chs.

SUBDIVISION OF T.1 N.R.8 W.

Chains.	
	N.0°02'W.bet.secs.21 and 22
	Ascend gradually over sagebrush land.
6.00	Top of steep ascent bears E.and W.about 10 ft.above the sec.cor.
	Descend into canon.
10.00	Bottom of canon about 100 ft.below the top drains S.40° E.;ascend along W.side of canon;over stony ground through mountain brush.
40.00	Set a sandstone 18x18x8 ins.12 ins.in the ground for ¼ sec.cor.,marked ¼ on W.face;raise a mound of stone 2 ft.base 1½ ft.high W.of cor.Pits impracticable.
62.00	Canon drains S.15°E.,continue ascending mountain.
80.00	Set a sandstone 20x10x8 ins.15 ins.in the ground for cor.of secs.15,16,21,and 22,marked T 1 N on NE. R 8 W on SE. with 3 notches on S.and 3 notches on W.edge,and raise a mound of stone 2 ft.base 1½ ft.high W.of cor. Pits impracticable. Land mountainous. Soil stony;4th rate. No timber. Mountainous land 80.00 chs.
	N.89°54'E.on a random line bet.secs.15 and 22
40.00	Set temp.¼ sec.cor.
79.90	Intersect N.and S.line 14 lks.N.of the cor.of secs.14, 15,22,and 23;thence I run
	W.on a true line bet.secs.15 and 22
	Ascending main ridge of mountain;over stony ground.
2.00	Top of main ridge about 25 ft.above sec.cor.bears N.10° E.and S.10°W.;descend.
21.00	Bottom of canon about 100 ft.below top drains S.20°W.

SUBDIVISION OF T.1 N.R.8 W

Chains	
26.00	Top of spur 40 ft.above bottom slopes S.;descend.
31.00	Bottom of canon,about 100 ft.below the top of spur, drains S.20°W.;ascend.
39.95	Set a sandstone 20x10x8 ins.15 ins.in the ground for $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on N.face;raise a mound of stone 2 ft.base $1\frac{1}{2}$ ft.high N.of cor. Pits impracticable.
41.00	Top of ridge about 100 ft.above the bottom of canon bears N.10°E.and S.10°W.;descend.
51.50	Bottom of canon about 150 ft.below top of ridge drains S.10°W.;ascend.
57.00	Top of ridge or spur slopes S.;descend.
62.00	Bottom of canon about 50 ft.below top of spur drains S. 10°W.;ascend.
70.00	Top of ridge about 75 ft.above bottom of canon slopes S.;descend to the cor.
79.90	The cor.of secs.15,16,21,and 22 about 40 ft.below top of ridge.
	Land mountainous.
	Soil stony;4th rate.
	No timber.
	Mountainous land 79.90 chs.
	July 19,1904.

July 20,At 7 h.0 m.a.m.l.m.t.I set off 40°29'N.on the lat.arc;20°43'N.on the decl.arc;and determine a meridian with the solar at the cor.of secs.15,16,21,and 22.

Thence I run

N.0°02'W.bet.secs.15 and 16

Ascending over ground sloping SW.

4.00	Top of spur ridge slopes W.
	Descend over NW.slope into canon.
8.50	Enter aspen grove bears S.20°W.and N.20°E.
10.50	Bottom of canon about 200 ft.below top;drains S.20°W.

SUBDIVISION OF T.1 N.R.8 W.

Chains.	
	Ascend;leave aspen grove bears S.20°W.and N.20°E.
23.00	Enter aspen grove bears N.45°E.and S.45°W.
40.00	Set a white sandstone 12x10x6 ins.8 ins.in the ground for $\frac{1}{4}$ sec.cor.,mar ked $\frac{1}{4}$ on W.face;from which An aspen 4 ins.diam.bears S.54½°W.7 lks.dist. marked $\frac{1}{4}$ S 16 B T An aspen 4 ins.diam.bears S.49°E.20 lks.dist. marked $\frac{1}{4}$ S 15 B T Corner on SE.slope,about 400 ft.above bottom of canon.
44.00	Leave aspen grove bears N.40°E.and S.40°W.
46.00	Top of ridge about 100 ft.above $\frac{1}{4}$ sec.cor.slopes E. Descend NE.slope.
49.00	Enter aspen grove bears E.and W.
66.00	Bottom of canon about 200 ft.below top of ridge drains S.30°E.;ascend through pine and aspen timber,dead and alive.
80.00	Set a white sandstone 26x10x8 ins.20 ins.in the ground for cor.of secs.9,10,15,and 16,mar ked with 4 notches on S.and 3 notches on E.edge;from which An aspen 12 ins.diam.bears S.46°W.40 lks.dist. marked T 1 N R 8 W S 16 B T A pine 20 ins.diam.bears S.27½°E.77 lks.dist. marked T 1 N R 8 W S 15 B T A pine 8 ins.diam.bears N.30°W.33 lks.dist. marked T 1 N R 8 W S 9 B T A pine 14 ins.diam.bears N.51°E.60 lks.dist. marked T 1 N R 8 W S 10 B T Corner about 200 ft.above bottom of canon. Land mountainous. Soil loamy and stony;2d and 4th rate. Timber pine and aspen. Mountainous and heavily timbered land 80.00 chs.

Chains.	
	East on a random line bet.secs.10 and 15
40.00	Set temp.¼ sec.cor.
80.06	Intersect N.and S.line 12 lks.W.of the cor.of secs.10, 11,14,and 15.
	Thence I run
	N.89°55'E.on a true line bet.secs.10 and 15
	Ascending steep rocky ground:through heavy pine and aspen timber;dead and alive.
29.00	Top of ridge 700 ft.above sec.cor.bears N.10°W.and S. 10°E.:descend over SW.slope;loamy land.
38.00	Bottom of head of canon,60 ft.below top of ridge;course S.10°E.:ascend.
40.07	Set a white sandstone 12x8x6 ins.8 ins.in the ground for ¼ sec.cor.,marked ¼ on N.face;from which
	An aspen 8 ins.diam.bears N.38°W.92 lks.dist.
	marked ¼ S 10 B T
	An aspen 8 ins.diam.bears S.89°E.41 lks.dist.
	marked ¼ S 15 B T
	Corner 35 ft.above bottom of canon on ridge bears N.and S.:descend S.W.slope.
63.00	Bottom of canon 200 ft.below ¼ sec.cor.drains S.:ascend S.slope.
65.00	Top of spur ridge about 150 ft.above bottom slopes S. Descend.
71.00	Bottom of canon about 100 ft.below top of spur drains S. Ascend.
80.06	The cor.of secs.9,10,15,and 16.
	Land mountainous.
	Soil loamy and stony;3d and 4th rate.
	Timber pine and aspen.
	Mountainous and heavily timbered land 80.06 chs.

N.0°02'W.bet.secs.9,and 10 [illegible]

Ascend gradually through heavy pine and aspen timber.

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Chains.	
10.00	Begin steep ascent bears E.and W.;leave live pine and enter burnt pine bears E.and W.
40.00	Set a white sandstone 16x10x4 ins.11 ins.in the ground for ¼ sec.cor.,marked ¼ on W.face;raise a mound of stone 2 ft.base 1½ ft.high W.of cor.Pits impracticable. No live trees in limits for bearing trees. Corner about 400 ft.above the sec.cor.;ascend gradually.
41.00	Top of ridge about 15 ft.above ¼ sec.cor.bears E.and W.
56.50	Begin steep descent bears E.and W.
62.00	Begin to descend over ledges bear S.60°E.and N.60°W.
77.00	Bottom of ledges about 300 ft.below the top bears N.60° W.and S.60°E.;thence descend gradually.
80.00	Set a red sandstone 16x10x4 ins.11 ins.in the ground for cor.of secs.3.4,9,and 10,marked with 5 notches on S and 3 notches on E.edge;from which A pine 10 ins.diam.bears N.53½°W.45 lks.dist. marked T 1 N R 8 W S 4 B T A pine 10 ins.diam.bears N.49½°E.43 lks.dist. marked T 1 N R 8 W S 3 B T A pine 8 ins.diam.bears S.66°W.26 lks.dist. marked T 1 N R 8 W S 9 B T A pine 18 ins.diam.bears S.13°E.28 lks.dist. marked T 1 N R 8 W S 10 B T Land mountainous. Soil stony;4th rate. Timber pine and aspen. Mountainous land 80.00 chs. July 30: At this cor.I set o.f 20°39'N.on the decl.arc; and at $0^{h}\,06^{m}$ p.m.l.m.t.observe the sun on the meridian;the resulting lat.is 40°31N'

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

40.00	Set temp.¼ sec.cor.

SUBDIVISION OF T.1 N.R.8 W.

Chains.	
80.16	Intersect N.and S.line 10 lks.S.of the cor.of secs.2,3 10,and 11;thence I run
	N.89°59'W.on a true line bet.secs.3 and 10
	Descending SW.slope;through heavy pine and aspen timber.
33.00	Spring branch 5 lks.wide 5 ins.deep,drains S.60°E.
40.08	Set a white sandstone 24x12x6 ins.4 ins.in the ground for ¼ sec.cor.,marked ¼ on N.face;from which
	A pine 8 ins.diam.bears S.50°E.39 lks.dist.
	marked ¼ S.10 B T
	An aspen14 ins.diam.bears N.47°W.44 lks.dist.
	marked ¼ S 3 B T
	Solid rock preverts setting stone deeper;raise a mound of stone around cor.
	This corner is about 400 ft.below the sec.cor.
	A circular lake 3 chs.diam.bears N.12°W.5.50 chs.dist.
41.00	Bottom of canon;drains S.10°E.
	Ascend steep SE.slope;through heavy pine and aspen timber
65.00	Leave timber bears N.and S.
	Enter slide rock.
69.00	Enter timber,pine and aspen;leave slide rock.
80.16	The cor.of secs.3,4,9,and 10.
	Land mountainous.
	Soil loamy and stony;3d and 4th rate.
	Timber pine and aspen.
	Mountainous land 80.16 chs.

	N.0°02'W.on a random line bet.secs.3 and 4
40.00	Set temp.¼ sec.cor.
79.85	Intersect N.bdy.of Tp.38 lks.W.of the cor.of secs.3;4, 33,and 34,which is a sandstone 6x12x5 ins.above ground; firmly set and marked and witnessed as described by Deputy Fred Johnson,under his contract No.276.
	Thence I run
	S.0°14'W.on a true line bet.secs.3 and 4

SUBDIVISION OF T.1 N.R.8 W.

Chains	
	Ascending through pine and aspen timber.
34.00	Top of spur ridge bears E.and W.about 150 ft.above the sec.cor.;descend.
39.85	Set a limestone 20x14x4 ins.15 ins.in the ground for ¼ sec.cor.,marked ¼ on W.face;from which An aspen 6 ins.diam.bears S.70°E.36 lks.dist. marked ¼ S 3 B T An aspen 12 ins.diam.bears N.64½°W.22 lks.dist. marked ¼ S 4 B T Corner about 60 ft.below top of ridge.
42.00	Leave heavy aspen and pine timber bears W.and S.10°E.
51.00	Enter dead pine and aspen timber. Descend.
51.50	Small spring branch 3 lks.wide,2 ins.deep,course S.25°E
66.75	Small spring branch 3 lks.wide 2 ins.deep,course S.15° E.
72.35	Leave dead timber bears N.10°W.and S.10°E.;enter live pine timber bears E.and W.;descend gradually.
79.85	The cor.of secs.3.4,9,and 10. Land mountainous. Soil stony and loamy;2d and 4th rate. Timber pine and aspen. Mountainous and heavily timbered land 79.85 chs.

July 20,1904

July 21,1904:At 7 h.0 m.a.m.l.m.t.I set off 20°31'N.on the decl.arc;40°26'N.on the lat.arc;and determine a meridian with the solar at the standard cor.of secs.32 and 33 on S.bdy.of Tp.,which is a granite stone 10x5x5 ins.above ground,firmly set and marked and witnessed as described by Deputy Fred Johnson,under his contract No. 276;thence I run

N.0°03'W.bet.secs.32 and 33

SUBDIVISION OF T.1 N.R.8 W.

Chains.	
	Descend to river;through cottonwood brush.
9.00	Right bank of DuChesne River bears S.50°E.and N.50°W.
10.00	Left bank of river bears S.50°E.and N.50°W.;water 15 ins.deep,clear,rocky bottom,rapid current.
	Ascend;leave cottonwood brush;thence over sagebrush land having gradual slope to the river;clay and loamy.
34.00	Road bears N.30°W.and S.40°E.
40.00	Set a sandstone 14x10x8 ins.9 ins.in the ground for ¼ sec.cor.,marked ¼ on W.face;raise a mound of stone 2 ft. base 1½ ft.high W.of cor.Pits impracticable.
76.00	A small spring 6 ft.diam.bears 1.00 ch.E.
80.00	Set a sandstone 18x10x4 ins.12 ins.in the ground for cor. of secs.28.29,32,and 33,marked with 1 notch on S.and 4 notches on E.edge;raise a mound of stone 2 ft.base 1½ ft.high W.of cor.Pits impracticable.
	Land level.
	Soil clay and loamy;3d rate.
	Cottonwood timber along river bottom.
	Land covered with dense undergrowth 10.00 chs.

E.on a random line bet.secs.28 and 33

40.00	Set temp.¼ sec.cor.
80.04	Intersect N.and S.line 25 lks.N.of the cor.of secs.27, 28,33,and 34.
	Thence I run
	N.89°50'W.on a true line bet.secs.28 and 33
	Descending gradually along W.slope of mountain.
36.00	Top of steep descent;through heavy pinon pine and scrub cedar,bears N.20°W,and S.20°E.
40.02	Set a sandstone 30x10x3 ins.22 ins.in the ground for ¼ sec.cor.,marked ¼ on N.face;from which
	A cedar 12 ins.diam.bears S.15½°W.75 lks.dist. marked ¼ S 33 B T
	A cedar 6 ins.diam.bears N.26°W.36 lks.dist. marked ¼ S 28 B T

SUBDIVISION OF T.1 N.R.8 W.

Chains.	
	Corner on very steep W.slope of mountain.
60.00	Bottom of steep mountain about 175 ft.below the top, bears N.20°W.and S.20°E.
	Leave cedar and pine timber;enter sagebrush flat,valley land;slopes gradually to river.
80.04	The cor.of secs.28,29,32,and 33.
	Land mountainous and level.
	Soil clay and stony;3d and 4th rate.
	Timber pinon pine and scrub cedar:
	Mountainous land 60.00 chs.
	July 21:At this cor.I set off 20°28'N,on the decl.arc;and at 0^h06^m p.m.l.m.t:observe the sun on the meridian;the resulting lat.is 40°27'N.

N.0°03'W.bet.secs.28 and 29

	Ascend gradually over sagebrush flat,clay land.
15.00	Begin steep ascent of mountain bears S.40°E.and N.40°W.
	Leave flat;ascend over stony ground.
30.00	Ravine drains S.40°W.
40.00	Set a sandstone 16x10x5 ins.11 ins.in the ground for $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on W.face;raise a mound of stone 2 ft. base $1\frac{1}{2}$ ft.high W.of cor.Pits impracticable.
48.50	Top of ridge about 200 ft.above sec.cor.slopes S.40°W.
	Descend into canon.
58.00	Bottom of canon about 100 ft.below top of ridge drains S.45°W.;ascend steep N.side.
73.00	Top of N.side of canon about 350 ft.above bottom of canon bears S.40°E.;ascend more gradually.
80.00	Set a trachyte stone 16x10x8 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.edge;raise a mound of stone 2 ft.base $1\frac{1}{2}$ ft.high W.of cor.
	Pits impracticable.
	Land mountainous and level.

SUBDIVISION OF T.1 N.R.8 W.

Chains.	
	Soil stony and clay;3d and 4th rate.
	No timber.
	Mountainous land 65.00 chs.
	S.89°50'E.on a random line bet.secs.21 and 28
40.00	Set temp.¼ sec.cor.
80.10	Intersect N.and S.line 28 lks.E.of the cor.of secs.21, 22,27,and 28.Thence I run
	S.89°58'W.on a true line bet.secs.21 and 28
	Over sagebrush land;ascending gradually.
20.00	Top of spur ridge slopes N.,about 100 ft.above sec.cor.
	Descend.
40.05	Set a quartzite stone 16x12x8 ins.in the ground for ¼ sec.cor.,marked ¼ on N.face;raise a mound of stone 2 ft.base 1½ ft.high N.of cor.
	Pits impracticable.
52.00	Bottom of canon about 300 ft.below top of spur;ridge drains S.30°W.;ascend.
61.00	Top of spur projects S.;75 ft.above bottom;descend.
69.00	Bottom of canon 75 ft.below top of spur drains S.5°E.
	Ascend through scattering cedar.
78.00	Leave scattering timber bears N.and S.
80.10	The cor.of secs.20,21,28,and 29.
	Land mountainous.
	Soil stony;4th rate.
	No timber,except few scattering cedar.
	Mountainous land 80.10 chs.
	July 21,1904.
	July 22:At 7 h.0 m.a.m.l.m.t.I set off 40°38'N.on lat. arc;20°19'N.on decl.arc;and determine a meridian with the solar at the cor.of secs.20,21,28,and 29.
	Thence I run
	N.0°03'W.bet.secs.20 and 21

SUBDIVISION OF T.1 N.R.8 W.

Chains.	
	Ascending along top of mountain;along W.side of canon.
27.00	Bottom of canon drains S.70°E.
28.50	Bottom of same canon drains S.30°W.
33.00	Bottom of same canon drains S.40°E.;ascend from canon.
40.00	Set a sandstone 18x10x10 ins.12 ins.in the ground for ¼ sec.cor.,marked ¼ on W.face;raise a mound of stone 2 ft.base 1½ ft.high W.of cor.Pits impracticable.
54.00	Top of spur ridge about 150 ft.above bottom of canon, slopes S.45°W.;descend.
68.00	Bottom of canon about 75 ft.below top of spur;drains S. 30°W.;ascend along W.side of same,through aspen timber.
80.00	Set a sandstone 18x12x8 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.edge;from which An aspen 5 ins.diam.bears S.74°W.74 lks.dist. marked T 1 N R 8 W S 20 B T An aspen 5 ins.diam.bears N.76°W.57 lks.dist. marked T 1 N R 8 W S 17 B T No other bearing trees within limits;raise a mound of stone 2 ft.base 1½ ft.high W.of cor: Pits impracticable. Land mountainous. Soil stony and loamy;2d and 4th rate. Timber aspen. Mountainous land 80.00 chs.

N.89°58'E.on a random line bet.secs.16 and 21

40.00	Set temp.¼ sec.cor.
79.96	Intersect N.and S.line 5 lks.N.of the cor.of secs.15,16 21,and 22;thence I run W.on a true line bet.secs.16 and 21 Descend.
7.00	Bottom of canon about 150 ft.below the sec.cor.,drains

SUBDIVISION OF T.1 N.R.8 W.

Chains	S.15°E.;ascend.
13.80	Top of spur ridge about 200 ft.above bottom of canon bears N.30°E.and S.30°W.;descend.
19.50	Bottom of ravine about 50 ft.below top drains S.40°W. Ascend.
28.00	Spur ridge slopes S.;descend.
32.00	Bottom of canon drains S.40°W.;ascend through aspen.
35.00	Leave aspen grove bears N.40°E.and S.40°W.
37.00	Top of spur projects S.;descend.
39.00	Set a sandstone 24x10x4 ins.18 ins.in the ground for ¼ sec.cor.,marked ¼ on N.face;raise a mound of stone 2 ft.base 1½ ft.high N.of cor.Pits impracticable.
47.00	Enter aspen grove; bears N.and S.
53.00	Leave aspen grove bears N.and S.;begin gradual ascent.
61.00	Top of ridge about 40 ft.above beginning of ascent bears N.30°E.and S.30°W.;descend.
75.00	Bottom of canon about 100 ft.below top of ridge drains S.40°W.;ascend through aspen grove.
79.00	The cor.of secs.16,17,20,and 21,about 50 ft.above bottom of canon.
	Land mountainous.
	Soil stony and loamy;2d and 4th rate.
	Timber aspen.
	Mountainous land 79.00 chs.

July 22: At the noon hour sky overcast;solar observation impossible.

N.0°03'W.bet.secs.16 and 17

Ascending through dense aspen grove.

33.00	Top of ridge about 200 ft.above sec.cor.bears S.30°E. and N.30°W.;descend.
34.00	Enter heavy pine timber bears N.30°E.and S.30°W.
40.00	Set a sandstone 14x12x4 ins.5 ins.in the ground for ¼

SUBDIVISION OF T.1 N.R.8 W.

Chains.	
	sec.cor.;marked ½ on W.face;from which
	A pine 4 ins.diam.bears N.78°W.20 lks.dist.
	marked ½ S.17 B T
	A pine 12 ins.diam.bears N.62°E.20 lks.dist.
	marked ½ S.16 B T
51.50	Bottom of canon about 100 ft.below top of ridge drains S.50°W.;ascend.
66.00	Top of spur ridge on W.side of canon slopes E.
	Descend.
78.50	Bottom of same canon drains S.40°E.;ascend.
80.00	Set a sandstone 18x10x6 ins.12 ins.in the ground for cor.of secs.8,9,16,and 17,marked with 4 notches on S. and 4 notches on E.edge;from which
	A pine 24 ins.diam.bears S.45°E.96 lks.dist.
	marked T 1 N R 8 W S 16 B T
	An aspen 4 ins.diam.bears N.16°E.25 lks.dist.
	marked T 1 N R 8 W S 9 B T
	An aspen 4 ins.diam.bears N.75°W.85 lks.dist.
	marked T 1 N R 8 W S 8 B T
	An aspen 4 ins.diam.bears S.59°W.96 lks.dist.
	marked T 1 N R 8 W S 17 B T
	Land mountainous.
	Soil loamy and stony;2d and 4th rate.
	Timber pine and aspen.
	Mountainous and heavily timbered land.80.00 chs.

E.on a random line bet.secs.9 and 16

40.00	Set temp.½ sec.cor.
80.08	Intersect N.and S.line 4 lks.S.of the cor.of secs.9,10, 15 and 16;thence I run
	S.89°58'W.on a true line bet.secs.9 and 16
	Ascending steep mountain through heavy pine and aspen timber.
13.00	Top of ridge 250 ft.above the sec.cor.bears N.and S.

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Chains.

26.50 Bottom of canon about 250 ft.below the top.drains S.65° W.;ascend steep SE.slope;through fallen pine timber.

40.04 Set a white sandstone 14x10x6 ins.9 ins.in the ground for ¼ sec.cor.,marked ¼ on N.face;from which

A pine 4 ins.diam.bears S.30°W.24 lks.dist. marked ¼ S 16 B T

A pine 4 ins.diam.bears N.64°W.17 lks.dist. marked ¼ S 9 B T

46.00 Top of ridge about 75 ft.above the ¼ sec.cor.bears N. 40°E.and S.40°W.;descend.

80.08 The cor.of secs.8,9,16,and 17,about 150 ft.below top of ridge.

Land mountainous.

Soil loamy and stony;3d rate.

Timber pine and aspen.

Mountainous and heavily timbered land 80.08 chs.

July 22,1904.

July 23: At 7 h.0 m.a.m.l.m.t.I set off 40°30'N.on the lat.arc;20°07'N.on the decl.arc;and determine a meridian with the solar at the cor.of secs.8,9,16,and 17.

Thence I run

N.0°03'W.bet.secs.8 and 9

Ascending through aspen and pine timber,on top of mountain;along head of canon.

7.00 Head of canon drains S.80°W.;ascend abruptly.

40.00 Set a sandstone 18x12x6 ins.12 ins.in the ground for ¼ sec.cor.,marked ¼ on W.face;from which

A pine 10 ins.diam.bears N.78°E.5 lks.dist. marked ¼ S 9 B T

A pine 6 ins.diam.bears N.79°W.18 lks.dist. marked ¼ S 8 B T

42.00 Top of main ridge 600 ft.above bottom of head of canon, bears N.80°E.and S.80°W.

Descend N.slope;over rocky ground.

SUBDIVISION OF T.1 N.R.8 W.

Chains.	
80.00	Set a sandstone 16x9x8 ins.11 ins.in the ground for cor.of secs.4,5,8,and 9,marked with 5 notches on S.and 4 notches on E.edge;from which An aspen 6 ins.diam.bears S.23°E.225 lks.dist. marked T 1 N R 8 W S 9 B T No other bearing trees within limits;raise a mound of stone 2 ft.base 1½ ft.high W.of cor. Pits impracticable. Land mountainous. Soil stony;4th rate. Timber pine and aspen. Mountainous land 80.00 chs.
	N.89°58'E.on a random line bet.secs.4 and 9
40.00	Set temp.¼ sec.cor.
79.80	Intersect N.and S.line 30 lks.N.of the cor.of secs.3,4, 9 and 10;thence I run
	N.89°49'W.on a true line bet.secs.4 and 9
	Ascend over mountainous land.
3.00	Bottom of ledges bear N.60°W.and S.60°E.
	Ascend over red and white sandstone ledges.
30.00	Top of ledges about 600 ft.above bottom bears N.60°W. and S.60°E.;enter dead timber,mostly pine.
39.20	Set a white sandstone 16x12x4 ins.11 ins.in the ground for ¼ sec.cor.,marked ¼ on N.face;from which A pine 10 ins.diam.bears N.43°W.160 lks.dist. marked ¼ S 4 B T No other live trees within limits;raise a mound of stone 2 ft.base 1½ ft.high N.of cor.Pits impracticable. Corner on flat top of mountain.
49.00	Top of ledges bear N.20°E.and S.20°W.
	Descend over same.
55.00	Bottom of ledges bear N.20°E.and S.20°W.about 100 ft. below top;continue descending over loose rock.

Chains.	
69.00	Enter grove of scattering aspen. bears N. and S.
79.80	The cor. of secs. 4, 5, 8, and 9.
	About 500 ft. below top of ledges.
	Land mountainous.
	Soil stony; 4th rate.
	Timber scattering pine and aspen.
	Mountainous land 79.80 chs.
	July 23: At this cor. I set off 20°04' N. on decl. and; at 0h 06m p.m. l.m.t. observe the sun on the meridian; the resulting lat. is 40°51' N.

N.0°03'W. on a random line bet. secs. 4 and 5

40.00	Set temp. ¼ sec. cor.
79.70	Intersect N. bdy. of Tp. 30 lks. W. of the cor. of secs. 4, 5, 32 and 33, which is a sandstone 5x10x8 ins. above ground, firmly set and marked and witnessed as described by Deputy Fred Johnson under his contract No. 276.
	Thence I run

S.0°10'W. on a true line bet. secs. 4 and 5

	Through scattering aspen and pine timber on top of mountains.
39.70	Set a limestone 16x10x8 ins. 11 ins. in the ground for ¼ sec. cor., marked ¼ on W. face; from which

An aspen 5 ins. diam. bears S.57°W. 288 lks. dist. marked ¼ S 5 B T

	No other bearing trees within limits; raise a mound of stone 2 ft. base 1½ ft. high W. of cor. Pits impracticable.
	Begin descent into head of canon.
76.10	Bottom of canon near head of same about 200 ft. below top drains S.50°W.; ascend.
79.70	The cor. of secs. 4, 5, 8, and 9.
	Land mountainous.
	Soil stony; 4th rate.
	Timber a few scattering pine and aspen.
	Mountainous land 79.70 chs.

July 23, 1904.

SUBDIVISION OF T. 1 N., R. 8 W.

Chains.	
	July 24,1904: At 7 h.0 m.a.m.l.m.t.I set off 40°26'N.on lat lat.arc;19°55'N.on decl.arc,and determine a meridian with the solar at the standard cor.of secs.31 and 32 on S'bdy.of Tp.,whichisre sandstond.5x10x4 ins.above ground firmly set and marked and witnessed as described by Deputy Fred Johnson under his contract No.276.
	Thence I run
	N.0°04'W.bet.secs.31 and 32
	Ascending from the corner,over stony ground.
20.00	Top of ridge about 100 ft.above the sec.cor.,bears E. and W.
35.00	Bottom of canon about 200 ft.below top drains E.
	Ascend through scattering cedar.
40.00	Set a sandstone 18x10x5 ins.11 ins.in the ground for ¼ sec.cor.,marked ¼ on W.face,from which
	A cedar 24 ins.diam.bears S.63°W.93 lks.dist. marked ¼ S 31 B T
	A cedar 18 ins.diam.bears N.73°E.71 lks.dist. marked ¼ S.32 B T
45.00	Top of ridge about 200 ft.above bottom of canon bears N.45°E.and S.45°W.descend.
	Leave scattering cedar bears N.45°E.
54.50	Bottom of canon about 200 ft.below top of ridge drains N.60°E.;ascend
58.00	Top of spur ridge on top of mountain about 600 ft.above river bears N.60°E.and S.60°W.;descend.
73.00	Bottom of mountain 500 ft.below top bears N.40°W.and S. 40°E.;descend more gradually.
76.50	Dry ravine drains N.40°E.
80.00	Set a white sandstone 14x14x8 ins.9 ins.in the ground for cor.of secs.29,30,31,and 32,marked with 1 notch on S.and 5 notches on E.edge;raise a mound of stone 2 ft. base 1½ ft.high W.of cor.

Chains.	
	Pits impracticable.
	Land mountainous.
	Soil stony;4th rate.
	Timber a few scattering cedar
	Mountainous land 80.00 chs.
	E.on a random line bet.secs.29 and 32
40.00	Set temp.¼ sec.cor.
80.10	Intersect the cor.of secs.28,29,32,and 33.
	Thence I run
	West on a true line bet.secs.29 and 32
	Over flat sagebrush land gradually sloping to river;
	over clay soil.
28.00	Road bears N.45°W.and S.45°E.
40.05	Set boulder stone 16x10x8 ins.11 ins.in the ground for ¼ sec.cor.,marked ¼ on N.face;raise a mound of stone 2 ft.base 1½ ft.high N.of cor.Pits impracticable.
45.00	Enter dense undergrowth of willows and cottonwood and bottom lands bear N.30°W.and S.30°E.
64.50	Left bank of DuChesne River bears S.30°E.and N.30°W.
65.50	Right bank of river bears N.30°W.and S.30°E.;water clear; boulder and rocky bottom;rapid current.
	Ascend gradually from river,through brush.
70.00	Leave dense willow brush bears N.and S.
80.10	The cor.of secs.29,30,31,and 32.
	Land level and rolling.
7/5/10	Soil clay and gravelly;3rd and 4th rate.
	Timber cottonwood along banks of river.
	Land covered with dense undergrowth of willows 25.00 chs.
	West on a random line bet.secs.30 and 31
40.00	Set temp.¼ sec.cor.
79.95	Intersect W.bdy.of Tp,or Second Guide Meridian West 23

SUBDIVISION OF T 1 N R 8 W

Chains.	
	lks.N.of the cor.of secs.25,30,31,and 36,which is a sandstone 5x10x8 ins.above ground firmly set and marked and witnessed as described by Deputy Fred Johnson under his contract No.270.T [illegible]
	July 24: At this cor.I set off 19°51'N.on decl.arc;and at 0h06m p.m.l.mt.obs.serve the sun on the meridian;the resulting lat.is 40°27'N.
	Thence I run
	N.89°50'E.on a true line bet.secs.30 and 31
	Ascend from the corner gradually on top of high mountain.
35.00	Top of main ridge about 500 ft.above the river and valley bears N.and S.;descend steep brushy mountain.
39.95	Set a sandstone 16x10x6 ins.12 ins.in the ground for ¼ sec.cor.,marked ¼ on N.face;raise a mound of stone 2 ft.base 1½ ft.high N.of cor.Pits impracticable.
76.00	Bottom of steep mountain about 300 ft.below the top bears N.40°W.and S.40°E.;descend more gradually.
79.95	The cor.of secs.29,30,31,and 32.
	Land mountainous.
	Soil stony;4th rate.
	No timber.
	Mountainous land 79.95 chs.

	N.0°04'W.bet.secs.29 and 30
	Descending gradually.
7.50	Spring 3 lks.diam.14 ins.deep,bears W.3.50 chs.;drains E.crossing the line at this point spring branch 3 lks. wide.
14.00	A warm spring 7 ft.diam.bears W.5 chs.;the stream flowing from same is 4 lks.wide 10 ins.deep,and joins the other spring branch 60 lks.W.of line.
35.00	Right bank of DuChesne River bears S.15°E.and N.15°W.
36.00	Left bank of river bears N.15°W.and S.15°E.;thence over bottom land;through brush;water in river 2 ft.deep,

SUBDIVISION OF T 1 N R 8 W

Chains.	
	rocky bottom;rapid current.
40.00	Set a boulder stone 18x7x6 ins.12 ins.in the ground for ¼ sec.cor.,marked ¼ on W.face;raise a mound of stone 2 ft.base 1½ ft.high W.of cor.Pits impracticable.
	Thence through dense undergrowth of brush and willows.
76.00	Road bears S.80°E.and N.80°W. leads up West Fork of Du Chesne River.
80.00	Set a boulder stone 16x12x6 ins.11 ins.in the ground for cor.of secs.19,20,29,and 30,marked with 2 notches on the S.and 5 notches on E.edge;from which
	A cottonwood 14 ins.diam.bears N.85°W.55 lks.dist.
	marked T 1 N R 8 W S 19 B T
	An aspen 5 ins.diam.bears S.4½°W.70 lks.dist.
	marked T 1 N R 8 W S 30 B T
	A cottonwood 6 ins.diam.bears S.4°E.69 lks.dist.
	marked T 1 N R 8 W S 29 B T
	No other trees within limits;raise a mound of stone 2 ft.base 1½ ft.high W.of cor.Pits impracticable.
	Land level river bottom.
	Soil loamy 2d and 3d rate.
	Timber scattering cottonwood along river.
	Land covered with dense undergrowth 44.00 chs.
	July 24,1904.

July 25,1904,at 7 h.0 m.a.m.l.m.t.I set off 40°28'N.on lat.arc;19°42'N.on decl.arc;and determine a meridian with the solar at the cor.of secs.19,20,29,and 30.

Thence I run

N.on a random line bet.secs.20 and 29

40.00	Set temp.¼ sec.cor.
80.00	Intersect N.and S.line 35 lks.N.of the cor.of secs.20, 21,28,and 29;thence I run
	N.89°45'W.on a true line bet.secs.20 and 29

SUBDIVISION OF T.1 N.R 8 W

Chains.	
	Ascending from corner over mountainous land.
12.00	Top of ridge or spur 100 ft.above sec.cor.slopes S.. Begin gradual descent.
28.00	Top of steep descent about 350 ft.above river bears N. and S.;descend through scattering cedar.
40.00	Set a sandstone 16x11x10 ins.11 ins.in the ground for $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on N.face;raise a mound of stone 2 ft. base 1½ ft.high N.of cor.Pits impracticable.
46.50	Bottom of mountain about 350 ft.below top bears N.and S. Descend over sagebrush flat.;leave scattering cedar.
70.00	Old trail bears N.30°W.and S.30°E. leads up river.
77.40	Top of steep and rocky descent into river bottom bears N.45°W.and S.45°E.
80.00	Bottom of same 50 ft.below top;corner of secs.19,20,29 and 30.
	Land mountainous and level.
	Soil rocky and clay;3d and 4th rate.
	Timber a few scattering cedar on mountain.
	Mountainous land 49.10 chs.

S.89°50'W.on a random line bet.secs.19 and 30

40.00	Set temp.$\frac{1}{4}$ sec.cor.
79.81	Intersect W.bdy.of Tp.,or Second Guide Meridian West, 23 lks.S.of the cor.of secs.19,24,25,and 30,which is a sandstone 14x10x6 ins.above ground,firmly set and marked and witnessed as described by Deputy Fred Johnson under his contract No.276.Thence I run
	East on a true line bet.secs.19 and 30:
	Descend from the corner into canon.
3.10	Road bears N.80°E.and S.80°W.
5.00	Enter dense undergrowth of willows bears N.80°E.and S. 80°W.
9.00	Left bank of West Fork of DuChesne River bears N.60°E. and S.60°W.;water clear,40 lks.wide,14 ins.deep,gravelly

Chains.	
	and rocky bottom swift current.
15.00	Leave dense undergrowth of willows bear N.70°E and S. 70°W.;ascend S.side of canon.
19.00	Spur of mountain slopes N.;enter scattering pines on S. side of canon.
	Descend over stony ground.
34.00	Leave scattering pines bear N.and S.
39.81	Set a sandstone 30x10x8 ins.15 ins.in the ground for ¼ sec.cor.,marked ¼ on N.face;raise a mound of stone 2 ft.base 1½ ft.high N.of cor.Pits impracticable.
53.00	Road bears N.40°W.and S.40°E.
	Thence nearly level bottom land.
66.50	Road bears N.45°W.and S.45°E.;enter dense willows bear N.and S.
68.45	Right bank of DuChesne River bears S.10°E.and N.10°W.
70.62	Left bank of river bears S.10°E.and N.10°W.
79.81	The cor.of secs.19,20,29,and 30.
	Land mountainous.and level.
	Soil stony and loamy,3d and 4th rate.
	Timber a few scattering pine along S.side of canon.
	Land covered with dense undegrowth of willows 31.31 chs.

N.0°04'W.bet.secs.19 and 20

	Ascend steep bluff out of river bottom;land rocky.
2.00	Top of bluff 50 ft.above sec.cor.bears S.40°E.and N.40° W.;ascend along bottom of main canon of DuChesne River bears 19.00 chs.W.
40.00	Set a boulder stone 16x10x8 ins.11 ins.in the ground for ¼ sec.cor.,marked ¼ on W.face;raise a mound of stone 2 ft.base 1½ ft.high W.of cor.Pits impracticable.
	Old trail leading up DuChesne River 60 lks.E.bears N. and S.
	Corner on E.slope of small rocky knoll;descend over stony ground.

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Chains.	
47.00	Old trail bears N.5°W.and S.5°E.
55.00	Spur bears N.45°E.and S.45°W.10 ft.high.
60.00	Old trail bears N.45°E.and S.45°W.on steep NW.slope.
65.00	Old trail bears N.5°W.and S.45°E.
	DuChesne River bears W.10.00 chs.flows S.5°W.
80.00	Set a sandstone 24x14x6 ins.6 ins.in the ground for cor.of secs.17,18,19,and 20 ,marked with 3 notches on S.and 5 notches on E.edge;raise a mound of stone 2 ft. base 1½ ft.high W.of cor.Pits impracticable. Large stones in place prevent getting the cor.stone deeper;raise a mound of stone around the cor. Land rolling, and mountainous. Soil stony;4th rate. No timber. Mountainous land or dense undergrowth, 80.00 chs.
	July 25.At the noon.hour the sky overcast;impossible to take observation for lat.

S.89°45'E.on a random line bet.secs.17 and 20

40.00	Set temp.¼ sec.cor.
80.14	Intersect N.and S.line 7 lks.N.of the cor.of secs.16, 17,20,and 21;thence I run

N.89°42'W.on a true line bet.secs.17 and 20

	Ascending through aspen grove.
30.00	Top of mountain ridge 100 ft.above the sec.cor.bears N. and S.;descend over ledges;leave aspen grove bears N. and S.
40.07	Set a sandstone 30x14x4 ins.in mound of stone for ¼ sec. cor.,marked ¼ on N.face;raise a mound of stone 2 ft.base 1½ ft.high N.of cor.Pits impracticable. Stony ground prevents setting the cor.stone deeper.
52.00	Bottom of ledges bear N.and S.about 350 ft.below the top;continue descending over stony ground,steep.
80.14	The cor.of secs.17,18,19,and 20 about 500 ft.below top

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Chains	
	of ridge.
	Land mountainous.
	Soil stony;4th rate.
	Timber aspen.
	Mountainous land 80.14 chs.
	West on a random line bet.secs.18 and 19
40.00	Set temp.¼ sec.cor.
79.75	Intersect W.bdy.of Tp.or Second Guide Meridian West,33 lks.N.of the cor.of secs.13,18,19,and 24,which is a sandstone 15x4 x8 ins.above ground,marked and witnessed as described by Deputy Fred Johnson,under his contract No.276.Thence I run
	N.89°46'E.on a true line bet.secs.18 and 19
	Descending along top of high mountain.
20.00	Top of steep descent bears N.45°W.and S.45°E.about 300 ft.above river.
30.00	Enter scattering pine timber bears N.and S.
35.00	Leave scattering pine timber bears N.and S.
39.75	Set a granite stone 14x10x6 ins.9 ins.in the ground for ¼ sec.cor.,marked ¼ on N.face;raise a mound of stone 2 ft.base 1½ ft.high N.of cor.Pits impracticable.
70.50	Right bank of DuChesne River bears N.and S.at bottom of steep mountain 300 ft.below top.
71.50	Left bank of river bears N.and S.clear water 14 ins.deep: boulder botto m swift current.
	U.S.Guaging Station bears 10 chs.S.
	Ascend over rocky land.
77.50	Old trail bears N.and S.
79.75	The cor.of secs.17,18,19,and 20,about 50 ft.above river.
	Land mountainous.
	Soil rocky;4th rate.
	Timber a few scattering pine along river,and on side of mountain. July 25,1904.

SUBDIVISION OF T.1 N.R.8 W.

Chains	
	July 26:At 7 h.0 m. a.m. I set off 40°29'N.on lat.arc;19°29' N.on decl.arc;and determine a meridian with the solar at the cor.of secs.17,18,19,and 20;thence I run
	N.0°04'W.bet.secs.17 and 18
	Ascending over stony ground sloping W.
11.00	Enter dense undergrowth of willows on S.side of creek.
	An old corral 100 ft.square bears W.10.00 chs.
16.30	Center of creek 1 ft.deep 30 lks.wide runs S.80°W.,heads N.50°E.about 30 chs.dist.;very rapid current,boulder bottom,clear water;leave dense willow brush;begin to ascend steep mountain bears E.and W.,through oak brush over stony ground.
40.00	Set a sandstone 14x12x6 ins.9 ins.in the ground for ¼ sec.cor.,marked ¼ on W.face;raise a mound of stone 2 ft. base 1½ ft.high W.& cor.Pits impracticable.
	Corner about 250 ft.above creek;continue ascending.
80.00	Set a red sandstone 24x14x12 ins.6 ins.in the ground for cor.of secs.7,8,17,and 18,marked with 4 notches on S.and 5 notches on E.edge;raise a mound of stone 2 ft. base 1½ ft.high W.of cor.Pits impracticable.
	So lid rock prevents setting the cor.deeper;raise a mound of stone around cor.
	The corner is 600 ft.above the river.
	Land mountainous.
	Soil stony;4th rate.
	No timber.
	Mountainous land or land covered with dense undergrowth 69.00 chs.

S.89°42'E.on a random line bet.secs.8 and 17

40.00	Set temp.½ sec.cor.
80.20	Intersect N.and S.line 28 lks.S.of the cor.of secs.8,9, 16,and 17.Thence I run
	N.89°54'W.on a true line bet.secs.8 and 17

Chains	
	Descend through aspen grove.
0.75	Bottom of canon about 20 ft.below the cor.drains S.10°W.
	Ascend steep mountain;leave aspen grove bears N.10°E. and S.10°W.
16.00	Top of ridge about 200 ft.above bottom of canon bears N.20°E.and S.20°W.;descend abruptly through aspen and pine timber.
33.00	Leave timber bears N.and S.
40.10	Set a sandstone 16x8x4 ins.11 ins.in the ground for ¼ sec.cor.,marked ¼ on N.face;raise a mound of stone 2 ft base 1½ ft.high N.of cor.
65.00	Begin steep descent over ledges and SW.slope;through dense brush.
80.20	The cor.of secs.7.8.17.and 18,about 300 ft.below the ¼ sec.cor.
	Land mountainous.
	Soil stony;4th rate.
	Timber aspen and pine.
	Mountainous land 80.20 chs.
	July 26:At the noon hour sky overcast;observation for lat.impossible.

S.89°46'W.on a random line bet.secs.7 and 18

40.00	Set temp.¼ sec.cor.
79.62	Intersect W.bdy.of Tp.or Second Guide Meridian West,8 lks.S.of the cor.of secs.7,12, 13,and 18,which is a sandstone 5x10x7 ins. bove ground firmly set and marked and witnessed as described by Deputy Fred Johnson under his contract No.276.
	Thence I run

N.89°30'E.on a true line bet.secs.7 and 18

Over mountainous land descending.

10.00	Right bank of Duchesne River about 75 ft.below the sec. cor.,bears S.10°E.and N.10°W.

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Chains	
11.00	Left bank of river bears N.10°W.and S.10°E.;clear water 10 ins.deep,40 ft.wide,rapid current,boulder bottom.
	Ascend mountain,through scattering pine timber.
39.62	Set a sandstone 16x10x4 ins.11 ins.in the ground for ¼ sec.cor.,marked ¼ on N.face;from which
	A pine 6 ins.diam.bears N.3°E.42 lks.dist.
	marked ¼ S 7 B T
	A pine 5 ins.diam.bears S.52°E.1.00 ch.dist.
	marked ¼ S 18 B T
52.00	Top of mountain about 600 ft.above the river bears N. and S.
	Thence over rough rolling stony ground sloping S.;through brush;leave scattering pines.
79.62	The cor.of secs.7.8,17,and 18.
	Land mountainous.
	Soil stony;4th rate.
	Timber scattering pine.
	Mountainous land 79.62 chs.

N.0°04'W.bet.secs.7 and 8

	Ascending mountain:
31.00	Top of ridge about 150 ft.above the sec.cor.bears E.and W.;descend.
36.00	Enter heavy pine and aspen timber bears E.and W.
40.00	Set a sandstone 16x10x4 ins.11 ins.in the ground for ¼
41.62	sec.cor.,marked ¼ on W.face;from which
	A pine 24 ins.diam.bears S.38°E.20 lks.dist.
	marked ¼ S 8 B T
	An aspen 4 ins.diam.bears S.31°W.77 lks.dist.
	marked ¼ S 7 B T
	Corner in bottom of canon drains W.;ascend.
62.00	Top of ridge about 200 ft.above bottom of canon bears E. and W.;descend.
80.00	Set a limestone 14x12x10 ins.9 ins.in the ground for

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Chains.

cor.of secs.5,6,7,and 8;marked with 5 notches on S.and 5 notches on E.edge;from which

A pine 18 ins.diam.bears N.57°W.57 lks.dist. marked T 1 N R 8 W S 6 B T

An aspen 4 ins.diam.bears N.35°E.34 lks.dist. marked T 1 N R 8 W S 5 B T

An aspen 4 ins.diam.bears S.57°E.47 lks.dist. marked T 1 N R 8 W S 8 B T

An aspen 4 ins.diam.bears S.14°W.78 lks.dist. marked T 1 N R 8 W S 7 B T

Land mountainous.

Soil stony and loamy;2d and 4th rate.

Timber pine and aspen.

Mountainous land 80.00 chs.

July 26,1904.

July 27:At 7 h.0 m.a.m.l.m.t.I set off 40°31'N.on the lat.arc;19°16'N.on the decl.arc and determine a meridian with the solar at the cor.of secs.5,6,7,and 8.

Thence I run

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

40.00 Set a temp.¼ sec.cor.

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

N.89°50'W.on a true line bet.secs.5 and 8

Descending through scattering aspen.

2.62 Bottom of canon drains S.50°W.;ascend.

40.06 Set a sandstone 16x10x8 ins.11 ins.in the ground for ¼ sec.cor.,marked ¼ on N.face;raise a mound of stone 2 ft. base 1½ ft.high N.of cor.Pits impracticable.

Descend gradually along side of mountain;through scattering aspen.

80.12 The cor.of secs.5,6,7,and 8.

Land mountainous.

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Chains	
	Soil stony;4th rate.
	Timber aspen.
	Mountainous land 80.12 chs.
	S.89°50'W.on a random line bet.secs.6 and 7
40.00	Set temp.¼ sec.cor.
79.55	Intersect W.bdy.of Tp.or Second Guide Meridian West,12 lks.S.of the cor.of secs.1,6,7,and 12,which is a sand-stone stone 5x8x6 ins.above ground firmly set and marked and witnessed as described by Deputy Fred Johnson under his contract No.276.Thence I run
	N.89°55'E.on a true line bet.secs.6 and 7
	Ascend from the cor.;through scattering cedar.
13.00	Begin steep ascent over slide rock.
28.00	Bottom of ledges bear N.and S.;ascend same.
34.00	Top of ledges about 20 ft.high bear N.and S.;descend.
39.55	Set a sand-stone 16x10x4 ins.11 ins.in the ground for ¼ sec.cor.,marked ¼ on N.face;from which
	A cedar 14 ins.diam.bears S.77°W.40 lks.dist.
	marked ¼ S 7 B T
	A pine 18 ins.diam.bears N.4°E.90 lks.dist.
	marked ¼ S 6 B T.
44.00	Bottom of canon about 300 ft.below top of ledges,drains S.30°W.;ascend.
50.00	Top of ridge about 150 ft.above bottom of canon bears N. 20°E.and S.20°W.;descend.
50.50	Small canon 20 ft.below top of ridge drains S.20°W.
	Ascend through burnt pine timber.
79.55	The cor.of secs.5,6,7,and 8,about 400 ft.above bottom of canon.
	Land mountainous.
	Soil stony;4th rate.
	Timber pine and aspen.
	Mountainous land 79.55 chs.

SUBDIVISION OF T.1 N.R.8 W.

Chains.	
	July 27:At this cor.I set off 19°12'N.on decl.arc and at 0^h06^m p.m.l.m.t.observe the sun on the meridian;the resulting lat.is 40°31'N.
	N.0°04'W.on a random line bet.secs.5 and 6
40.00	Set temp.¼ sec.cor.
79.80	Intersect N.bdy.of Tp.46.1ks.W.of the cor.of secs.5,6, 31,and 32,which is a sandstone 12x12x5 ins.above ground, firmly set and marked and witnessed as described by Deputy Fred Johnson under his contract No.276.
	Thence I run
	S.0°16'W.on a true line bet.secs.5 and 6
	Descending mountain;through heavy pine and aspen timber.
24.00	Bottom of canon about 600 ft.below the sec.cor.drains S 20°E.;ascend.
26.00	Spur 75 ft.above bottom slopes E.;descend.
37.00	Leave live timber and enter dead timber bears E.and W.
39.80	Set a limestone 24x8x6 ins.18 ins.in the ground for ¼ sec.cor.,marked ¼ on W.face;from which
	A pine 8 ins.diam.bears S.43°W.207 lks.dist.
	marked ¼ S 6 B T
	An aspen 4 ins.diam.bears N.55°E.34 lks.dist.
	marked ¼ S 5 B T
41.00	Bottom of canon about 200 ft.below top of spur drains S. 20°W.;ascend through dead and fallen timber,and live pine and aspen timber.
79.80	The cor.of secs.5,6,7,and 8,about 300 ft.above bottom of canon.
	Land mountainous.
	Soil stony and loamy;3d and 4th rate.
	Timber pine and aspen.
	Mountainous land 79.80 chs.
	July 27,1904.

SUBDIVISION OF T.1 N.R.8 W.

GENERAL DESCRIPTION.

This township is nearly all mountainous;the only valley land being a narrow strip about one-half mile wide and two miles long adjacent to the DuChesne River, which flows through secs.18,19,29,30,32,and a portion of secs.7 and 33. The general elevation of this river in the township is about 9000 ft.above sea-level.

The level land along the river would not produce crops without irrigation. The entire township affords excellent grazing.

There is no timber of commercial value in the township.

There are no settlements or improvements of any kind within the township,excepting a log corral in sec. 18;owner's name unknown.

I found no indications of mineral in the township.

Washington Jenkins.
U.S.Deputy Surveyor.

SUBDIVISION OF T.1 N., R.8 W.

LATITUDES, DEPARTURES, AND CLOSING ERRORS.

Line Designated.	True Bearing.	Distance. chs.	LATITUDES. N. chs.	LATITUDES. S. chs.	DEPARTURES. E. chs.	DEPARTURES. W. chs.
2nd Guide Meridian W. through T.1 N.,	North.	480.00	480.00	.....	.....	.....
N.bdy.T.1 N., R.8 W.	S.89°55' E.	479.90	.....	.70	479.90	.....
E.bdy.T.1 N., R.8 W.	South.	480.00	.....	480.00	.....	.....
Uintah Special Base Line through Range 8 West,	West.	480.00	.....	.....	.....	480.00
Convergency.			.....	.....	.61	.....
Totals			480.00	480.70	480.51	480.00
				480.00	480.00	
Error in lat.				.70	.....	.....
Error in dep.					.51	.....

BOOK A-330

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by Washington Jenkins, United States Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the survey of the Subdivision of Township No.1 North, Range No.8 West of the Uintah Special Base and Meridian, Utah, showing the respective capacities in which they acted:

E.Hull, *Chainman.*

A.W.Criss, *Chainman.*

Henry Clift, *Moundman.*

, *Moundman.*

Joseph Turner, *Axman.*

, *Axman.*

Alvin Johnston, *Flagman.*

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted Washington Jenkins, United States Deputy Surveyor, in surveying all those parts or portions of the the Subdivisional lines of Township No.1 North, Range No.8 West

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

E. Hull, *Chainman.*

A W Criss, *Chainman.*

, *Moundman.*

Henry Clift, *Moundman.*

Joseph Turner, *Axman.*

, *Axman.*

Alvin Johnston, *Flagman.*

Subscribed and sworn to before me this 27th day of July, 190 4

SEAL

Washington Jenkins
U.S. Deputy Surveyor

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FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, Washington Jenkins, United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from Edward H. Anderson United States Surveyor General for Utah, bearing date of the 23d day of September, 1903, I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for Utah, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of the Subdivisional lines of Township No. 1 North, Range No. 8 West

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

Washington Jenkins
United States Deputy Surveyor.

Subscribed by said Washington Jenkins, and sworn to before me this 12th day of December, 1904

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

SEAL

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah December 20, 1904.

The foregoing field notes of the survey of the Subdivisional lines of Township No. 1 North, Range No. 8 West of the Uintah Special Base and Meridian, Utah

executed by Washington Jenkins under his contract No. 275, dated September 23, 1903, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Edward H. Anderson
United States Surveyor General.

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

United States Surveyor General.

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BOOK A-330

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FIELD NOTES

Retracement
OF THE ~~SURVEY~~ OF THE

East Boundary of
Township 1 North,
Range 8 West

Of the Uintah Special B.& Meridian,
in the State of Utah

AS SURVEYED BY

Alice E. Washburn, Cartographer for Washington Jenkins, United States Deputy Surveyor,
under his Contract No. 276, dated September 23, 1903

~~Survey~~ Retracement commenced July 25th, 1905

~~Survey~~ Retracement completed July 26th, 1905

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BOOK A·330

NAMES AND DUTIES OF ASSISTANTS.

F. R. O'Leary	Chainman
D. S. Murdoch	"
J. D. Clyde	Moundman
C. W. Hickens	Axman
Alvin Johnston	Flagman

BOOK A-330

INDEX DIAGRAM.

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[illegible] at eastern elongation, in

PRELIMINARY OATHS OF ASSISTANTS.

We, F. R. O'Leary and O. S. Murdock do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain upon 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~~ Retracement of E. bdy. of T. 1 N., R. 8 W., of Uintah, Special Base and Meridian Utah.

F. R. O'Leary, Chainman.

O. S. Murdock, Chainman.

Subscribed and sworn to before me this 25 day of July, 1905.

SEAL

Alice E. Brashears
Commissioner for Washington Jurisdiction
U. S. Deputy Surveyor.

We, J. D. Clyde 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~~ Retracement of E. bdy. of T. 1 N., R. 8 W., of Uintah Special Base and Mer. Utah.

J. D. Clyde, Moundman.

____, Moundman.

Subscribed and sworn to before me this 25th day of July, 1905.

SEAL

Alice E. Brashears
Commissioner for Washington Jurisdiction
U. S. Deputy Surveyor.

We, C. M. Hicks 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 Retracement of E. bdy. of T. 1 N., R. 8 W., of Uintah Special Base and Meridian Utah.

____, Axman

C. M. Hicks, Axman

Subscribed and sworn to before me this 25th day of July, 1905.

SEAL

Alice E. Brashears
Commissioner for Washington Jurisdiction
U. S. Deputy Surveyor.

I, Alvin Johnston, 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~~ Retracement of E. bdy. of T. 1 N. R. 8 W., of Uintah Special Base Meridian, Utah.

Alvin Johnston, Flagman.

Subscribed and sworn to before me this 25th day of July, 1905.

SEAL

Alice E. Brashears
Commissioner for Washington Jurisdiction
U. S. Deputy Surveyor.

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Retracement of E. bdy. of T. 17, R. 5 W.

Chains

Survey commenced July 25, 1905, and executed with a John Foach Solar Compass with solar attachment. The horizontal limb is provided with two double verniers placed opposite to each other and reading to single minutes of arc, which is also the least count of the latitude and declination arcs.

The instrument was examined tested on the true meridian at Salt Lake City, found correct, and was approved by the surveyor general for Utah, July 8, 1905.

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

At the cor. of secs. 13, 18, 19 and 24, which is a sand stone, 12 x 6 x 4 ins above ground, marked and witnessed as described by Deputy Francis M. Lyman Jr., under his contract No. 24, latitude 40° 29' N., longitude 110° 45' 14" W; I set off 40° 29' N. on lat arc; 19° 46' 01" N., on decl. arc; and at 4h p.m., l.m.t., determine with the solar a meridian, and mark a point thereon on a stone firmly set in the ground ✓ chs. N. of the cor.

At 11h 16m p.m., l.m.t., I observe Polaris at eastern elongation, in

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Retracement of E. bdy. of T. 1 N., R. 8 W.

Chains.

accordance with Manual of Instructions, and mark a point in the line thus determined on a peg driven in the ground 5 lks. N. of my station.

July 26 1905.

July 26, 1905: At 6 h. a.m. l.m.t., I lay off the azimuth of Polaris 1° 34' to the west, and mark the meridian thus determined, by cutting a small groove in the stone, set yesterday, on which the meridian falls 0.4 ins. east of the mark determined by the solar. At 7 h. a.m., l.m.t., I set off 40° 29' N. on the lat. arc; 19° 32' N. on the decl. arc; and mark a point in the meridian determined with the solar by a cross on the stone already set 5 lks. N. of my station; this mark falls 0.3 ins. east of the meridian determined by the Polaris observation.

The solar apparatus by p.m. and a.m. observations defines positions for meridians, respectively about 0' 2" West and 0' 16" east of the meridian established by the Polaris observations; therefore I conclude that the adjustments of the instrument are satisfactory.

The magnetic bearing of the true meridian at 7 h. 30 m. a.m., is N 16° 30' W; the angle thus determined gives the magnetic declination 16° 30' E.

From the sec. cor. already described I retrace N. along the E. bdy. of the Tp.

North, bet secs. 13 and 18.

39.60 Fall 6 lks. W. of 1/4 sec. cor. bet. secs. 13 and 18, which is a quartzite

Retracement of E. bdy. of T. 1 N., R. 8 W.

Chains	
	stone 10 x 6 x 4 ins. above ground, marked and witnessed as described by Deputy Francis M. Lyman Jr., under his Contract No. 24. Course of this line is therefore N. 0° 4' E. and the distance, 39.60 chs.
	North bet secs. 13 and 18.
39.27	Fall 7 lks. W. of cor. of secs. 7-12, 13 and 18, which is a quartzite stone 10 x 6 x 5 ins. above ground, marked and witnessed as described by Deputy Francis M. Lyman Jr., under his Cont. No. 24. Course of this line is therefor N. 0° 6' E.; distance 39.27 chs.
	North bet secs. 7 and 12.
39.32	Fall 16 lks. W. of 1/4 sec. cor. bet. secs. 7 and 12, which is a quartzite stone 10 x 6 x 4 ins. above ground marked and witnessed as described by Francis M. Lyman Jr., Deputy under his Cont. No. 24. Course of this line is therefor N. 0° 14' E.; distance 39.32 chs.
	North bet. secs. 7 and 12.
39.62	Fall 14 lks. W. of cor. of secs. 1, 6, 7 and 12, which is a quartzite stone, 16 x 8 x 5 ins. above ground, marked and witnessed as described by Deputy Francis M. Lyman Jr., under his Contract No. 24. Course of this line is therefor N 0° 12' E.; distance 39.62 chs.

Retracement of E. bdy of T. 1 N., R. 8 W.

Chains	
	North bet. secs. 1 and 6.
39.68	Fall 1 lks. W. of 1/4 sec. cor. bet. secs. 1 and 6, which is quartz stone, 8 x 5 x 5 ins. above ground, marked and witnessed as described by Deputy Francis M. Lyman Jr., under his Cont. No. 274. Course of this line is therefore North ; distance 39.68 chs.
	North bet secs. 1 and 6.
41.95	Fall 2 lks. W. of cor. of Tps. 1 and 2 N., Rs. 7 and 8 W., which is a sandstone 8 x 6 x 5 ins. above ground, marked and witnessed as described by Deputy Francis M Lyman Jr., under his Cont. No. 274. Course of this line is therefore N 0° 30' E. 41.95 chs. distance.

July 26 - 1905.

Albert E. Brashears.
Compassman for Washington Jenkins
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 Ollice E. Brashears Conpassman for Washington Jenkins, United States Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the ~~survey of~~ retracement of E. bdy. of T. 1 N., R 8 W., of Mintah Special Base and Meridian Utah showing the respective capacities in which they acted:

F. R. O'Leary, Chainman.
D. S. Murdock, Chainman.
J. D. Clyde, Moundman.
, Moundman.
C. W. Hickens, Axman.
, Axman.
Alvin Johnston, Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted Ollice E. Brashears Conpassman for retracing Washington Jenkins, United States Deputy Surveyor, in ~~surveying~~ all those parts or portions of the E. bdy. of T. 1 N., R 8 W.,

of the Mintah Special Base and meridian, in 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.

F. R. O'Leary, Chainman.
D. S. Murdock, Chainman.
J. D. Clyde, Moundman.
, Moundman.
C. W. Hicken, Axman.
, Axman.
Alvin Johnston, Flagman.

Subscribed and sworn to before me this 26 day of July, 190 5

SEAL

Ollice E. Brashears.
Compassman for Washington Jenkins
U. S. Deputy Surveyor.

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FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, Ollice E. Brashears Compassman for Washington Jenkins, United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from Edward H. Anderson United States Surveyor General for Utah, bearing date of the 23 day of September, 1903, I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for Utah, the Manual of Surveying Instructions, and the laws of the United States, ~~surveyed~~ retraced all those parts or portions of E. bdy. of T. 1 N., R 8 W., of the Uintah Special Base and meridian, in the state of Utah, which are represented in the foregoing field notes as having been ~~surveyed~~ retraced by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for Utah and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

Ollice E. Brashears, Compassman for Washington Jenkins.
United States Deputy Surveyor.

Subscribed by said Ollice E. Brashears, and sworn to before me this 15th day of September, 1905

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

SEAL

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, September 23, 1905

The foregoing field notes of the ~~survey~~ retracement of the East Boundary of Township 1 North Range 8 West of the Uintah Special Base & Meridian Utah

executed by Ollice E. Brashears Compassman for Washington Jenkins under his contract No. 275, dated September 23, 1903, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the ~~surveys~~ retracement they describe, are hereby approved.

Edward H. Anderson
United States Surveyor General

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

United States Surveyor General

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BOOK A-330

FILED
SEP 15 1905

FIELD NOTES

OF THE corrective SURVEY OF THE

Subdivisions of
Township No. 1 North
Range No 8 West

Of the Uintah Special Base and Meridian,
in the state of Utah

AS SURVEYED BY

Alice E. Brashears, compassman for Washington Jewkins United States Deputy Surveyor,
under his Contract No. 275, dated September 23, 1905
Survey commenced July 27, 1905
Survey completed July 29, 1905

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NAMES AND DUTIES OF ASSISTANTS.

F. R. O'Leary	Chainman
D. S. Murdock	"
J. D. Clyde	Rodman
C. W. Hickens	Axman
Alvin Johnston	Flagman

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INDEX DIAGRAM.

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Meanders Page.....

PRELIMINARY OATHS OF ASSISTANTS.

WE, F. R. O'Leary and O. S. Murdock

do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level and chain upon 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 Subdivisions of T. N., R. W., of Uintah Special Base and Meridian Utah.

F. R. O'Leary, Chainman.

O. S. Murdock, Chainman.

Subscribed and sworn to before me this 25th day of July, 1905.

SEAL

Ollie E. Brashears
Compassman for Washington Jr.
U. S. Deputy Surveyor

WE, J. D. Clyde 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. N., R. W., of Uintah Special Base and Meridian Utah.

J. D. Clyde, Moundman.

, Moundman.

Subscribed and sworn to before me this 25th day of July, 1905.

SEAL

Ollie E. Brashears
Compassman for Washington Jr.
U. S. Deputy Surveyor

WE, C. W. Hickens 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 survey of Subdivisions of T. N., R. W., of Uintah Special Base and Meridian Utah.

C. W. Hickens, Axman.

Subscribed and sworn to before me this 25th day of July, 1905.

SEAL

Ollie E. Brashears
Compassman for Washington Jr.
U. S. Deputy Surveyor

I, Alvin Johnston, do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in survey of Subdivisions of T. N., R. W., of Uintah Special Base and Meridian Utah.

Alvin Johnston, Flagman.

Subscribed and sworn to before me this 25th day of July, 1905.

SEAL

Ollie E. Brashears
Compassman for Washington Jr.
U. S. Deputy Surveyor

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Correction Notes of
Subdivisions of T. 1 N., R 8 W.

Chains	
	Survey commenced July 27, 1905 and executed with instrument described in book 1. of this survey.
	I know the instrument to be in adjustment from recent observations under July 25, 1905, and recorded in book 1 of this survey.
	July 27, 1905: At 7h am, l mt. I set off 40° 26' N. on lat arc; 19° 19' N. on decl. arc; and determine a meridian with the solar at the cor. of secs 35, and 36, on S. Bdy of Tp, which is a sandstone 10x6x6 ins. marked and witnessed as described by Deputy Fred Johnson under his Cont. No. 276.
	Thence I run N 0° 01' W., bet secs. 35 and 36.
40.00	Intersect 1/4 sec. cor., bet. secs. 35 and 36, heretofore described in original notes.
79.75	Fall 2 lks. W. of cor. of secs. 25-26-35 and 36, heretofore described in original notes.
	I therefore move dec. cor. 25 lks. N. and 2 lks. W.
	Set same stone; and raise a mound of stone 2 ft. base 1/2 ft. high W. of cor.
	I destroy all traces of old cor.
	No change in topography on this line.
	East on random line bet secs. 25 and 36.

Corrective Notes of Subdivisions of T. 1 N., R. 8 W.

Chains	
40.01	Fall 10 lks. N. of 1/4 sec. cor. bet. secs. 25 and 36, heretofore described in original notes.
80.20	Intersect E. bdy. of T. 1 N., 24 lks. S. of cor. of secs. 25-30-31 and 36, which is a sand stone, 12 x 6 x 6 ins. above ground, marked and witnessed as described by Frances M. Lyman Jr., under his Cont. No. 274.
	Thence I run S. 89° W. on a true line bet. secs. 26 and 36.
40.10	Set 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 1½ ft high N. of cor. Pits impracticable. Destroy all traces of old cor.
80.20	The cor. of secs. 25, 26, 35 and 36.
	No change in topography on this line.
	July 27, 1916; At this cor., I set off 19° 15' N. on decl. arc and at 0 h 06 m p. m., l. m. t., observe the sun on the meridian; the resulting lat. is 40° 27' N.

I retrace N. 0° 01' W., bet. secs. 25 and 26 and at 40.00 chs., intersect 1/4 sec. cor. heretofore described in original notes, and 80.0 chs. intersect cor. of secs. 23, 24, 25 and 26. From the cor. of secs. 23, 24, 25 and 26, heretofore described, in original notes, I run S. 89° 26' E., on random line bet secs. 24 and 25.

40.16	Fall 5 lks. S. of 1/4 sec. cor. bet secs. 24 and 25, heretofore described in original notes.
80.28	Intersect E. bdy. of T. 1 N., 12 lks.

Corrective Notes of Subdivisions of T. 1 N., R 8 W.

Chains	
	S. of cor. of secs. 19, 24, 25 and 30., which is a sandstone, 12 x 6 x 6 ins. above ground; marked and witnessed as described by Deputy Francis M Lyman Jr., under his Cont. No. 274. Thence I run, N. 89°56' W., on true line bet secs. 24 and 25.
40.14	Set sandstone, 26 x 7 x 4 ins., 20 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. I destroy all traces of old cor.
80.28.	The cor. of secs. 23-24-25 and 26. No change in topography on this line.
	From cor. of secs. 13, 14, 23 and 24, heretofore described in original notes, I run S 89°40' E., on random line bet. secs. 13 and 24.
40.15	Fall 15 lks. S. of 1/4 sec. cor., bet. secs. 13 and 24, heretofore described in original notes.
80.25	Intersect E. bdy. of Tp., 32 lks. S. of cor. of secs. 13, 18, 19 and 24, which is a sandstone 12 x 6 x 4 ins. above ground, marked and witnessed as described by Deputy Francis M Lyman Jr., under his Cont. No 274. Thence I run N 89°54' W., on true line bet. secs. 13 and 24.
40.12½	Set sandstone 16 x 10 x 8 ins.,

Corrective Notes of
Subdivisions of T. 1 N., R. 8 W.

Chains	
	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.
80.25	The cor. of secs. 13, 14, 23 and 24. No change in topography on this line. July 27-1905.
	July 28: 1905: At 7 h a.m., l.m.t., I set off 40°30' N. on lat. arc; 19°5' N. on decl. arc; as determine a meridian with the solar at the cor. of secs. 11, 12, 13 and 14, heretofore described in original notes. Thence I run E. on random line bet secs. 12 and 13.
40.06	Fall 16 lks. N. of 1/4 sec. cor., bet. secs. 12 and 13, heretofore described in original notes
80.38	Intersect E. bdy. of Tp., 95 lks. N. 0°14' E. of cor. of secs. 7, 12, 13 and 18 which is a quartzite stone, 10 x 6 x 5 ins above ground marked and witnessed as described by Francis M. Lyman Jr. under his Cont. No. 274.

Correction Notes of Subdivisions of T. 1 N., R. 8 W.

Chains	
	Set sandstone 18 x 12 x 4 ins., 12 ins. in the ground for closing cor. of secs. 12 and 13, marked C.C. on W., with 4 grooves on S. and 2 grooves on N. face; and raise a mound of stone 2 ft. base 1½ ft. high W. of cor. Pits impracticable.
	I destroy all marks on old cor., pertaining to secs. 12 and 13.
	No change in topography on this line.
	Thence Drum
	West. on true line bet. secs. 12 and 13.
40.19	Set sandstone 18 x 10 x 6 ins., 12 ins. in ground for ¼ sec. cor. marked ¼ on N. face; from which A pine 8 ins. diam., bears S. 50° E., 34 lks. dist., marked ¼ S 13 B.T.
	An aspen 8 ins. diam., bears N. 65° E., 28 lks. dist., marked ¼ S 12 B.T.
	I destroy all traces of old ¼ sec. cor.
80.38	The cor. of secs. 11, 12, 13 and 14.
	No change in topography on this line.
	From cor. of secs. 1, 2, 11 and 12 heretofore described in original notes.
	E. on random line bet. secs. 1 and 12.
40.22	Fall 18 lks. N. of ¼ sec. cor., bet. secs. 1 and 12 heretofore described in original notes.
80.47	Intersect E. bdy. of Tp. 2 N., 03 chs. N. of cor. of secs. 1-6-7 and 12, which is quartzite stone, 16 x 8 x 5 ins. above ground, marked and witnessed as described by Francis M. Lyman Jr., under his Cont. No. 2714.
	Set sandstone 16 x 10 x 6 ins., 11 ins. in the ground for closing cor. of secs. 1 and 12, marked C.C. on W. with 1 groove on N. and 5 grooves on S. face; and raise a mound of stone 2 ft. base

Corrective Notes of Subdivisions of T1N, R8W.

Chains	
	1½ ft high W. of cor. Pits impracticable. I destroy all marks on old cor., pertaining to secs. 1 and 12. No change in topography on this line. July 28: At this cor., I set off 19°.02' N. on decl. arc; and at 0h 56m. p m l mt. observe the sun on the meridian; the resulting lat. is 40°31' N. Thence I run West on true line bet. secs 1 and 12.
40.23	Set sandstone, 14x12x4 ins., 9 ins in the ground, for 1/4 sec. cor., marked 1/4 on N. face, from which. A pine 30 ins. diam., bears N 79° E., 48 lks. dist., marked 1/4 S. 1 BT. A pine 10 ins. diam., bears S 75° E. 25 lks. dist. marked 1/4 S 12 BT. I destroy all traces of old 1/4 sec. cor.
80.47	The cor. of secs. 1, 2, 11 and 12. No change in topography on this line.
	From cor. of secs. 26, 27, 34 and 35, heretofore described in original notes I run S 89°54' E. on random line bet. secs. 26 and 35.
40.11	Fall 10 lks. S. of 1/4 sec. cor. bet secs. 26 and 35 heretofore described in original notes.
80.45	Intersect N. and S. line 24 lks. S. of cor. of secs. 25-26-35-and 36. Thence I run S 89°56' W. on true line bet. secs. 26 and 35.
40.22½	Set sandstone 18x12x6 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. I destroy all traces of old cor.
80.45	The cor. of secs. 26, 27, 34 and 35. No change in topography on this line. July 28, 1905

Correction Notes of Subdivisions of T. 1 N., R. 8 W.

Chains.	
	July 29, 1905. At 7 h. a m l m t. I set off 40° 28' N. on lat arc, 18° 52' N. on decl. arc; and determine a meridian with the solar at the cor. of secs. 22, 23, 26 and 27, heretofore described in original notes. Thence I run S 89° 59' E., on random line bet. secs. 23 and 26.
40.06	Fall 2 lks. N. of 1/4 sec. cor., bet. secs. 23 and 26 heretofore described in original notes.
80.42	Intersect N. and S. line, 3 lks. N. of cor. of secs. 23, 24, 25 and 26, Thence I run N. 89° 58 W. on true line, bet. secs. 23 and 26.
40.21	Set sandstone, 18 x 14 x 4 ins., 12 ins. in the ground, for 1/4 sec. cor., marked 1/4 on N. face; from which An aspen 6 ins. diam., bears N 65° W., 12 lks. dist. marked 1/4 S 23/26 T. An aspen 8 ins diam., bears S. 45° E., 15 lks. dist., marked 1/4 S 26/26 T. I destroy all traces of old cor.
80.42	The cor. of secs. 22, 23, 26, and 27. No change in topography on this line.
	From cor. of secs. 27, 28, 33 and 34, heretofore described in original notes. I run S 89° 58' E. on random line bet. secs. 27 and 34.
40.10	Fall 1 lk N. of 1/4 sec. cor.;

Subdivisions of T. 1 N., R. 8 W.

Chains

bet. secs. 27 and 34, here-
tofore described in original notes

79.92 I intersect N. and S. line, 42
lks S. of cor. of secs. 26, 27,
34 and 35.

Thence I run
S. 89° 57' W., on true line
bet. secs. 27 and 34.

39.96 Set sandstone 36 x 8 x 4 ins.,
27 ins. in the ground for 1/4
sec. cor., marked 1/4 on
N. face; from which
a pinon 12 ins. diam., bears.
N 15° 30' E., 1.40 chs. dist.,
marked 1/4 S. 27 B.T.
A pinon 14 ins. diam., bears
S 33° 30' W., 73 lks dist., I
marked 1/4 S 34 B.T.
I destroy all traces of old cor.

79.92 The cor. of secs. 27, 28, 33 and 34.
No change in topography on
this line.

July 29, 1905.

Alice E. Brashears.
Compassman for Washington Jenkins
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 Ollice E. Brashears Compassman for Washington Jenkins, United States Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the corrective survey of Subdivisions of T. 1 N., R. 8 W., of Uintah Special base and meridian Utah showing the respective capacities in which they acted:

F. R. O'Leary, *Chainman.*

D. S. Murdock, *Chainman.*

J. D. Clyde, *Moundman.*

, *Moundman.*

C. W. Hickens, *Axman.*

, *Axman.*

Alvin Johnston, *Flagman.*

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted Ollice E. Brashears Compassman for Washington Jenkins, United States Deputy Surveyor, in surveying all those parts or portions of the Subdivisions of T. 1 N., R. 8 W., of

of the Uintah Special Base and meridian, in state of Utah, which are represented in the foregoing field notes as having been surveyed by him and under his direction; and that said corrective 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.

F. R. O'Leary, *Chainman.*

D. S. Murdock, *Chainman.*

J. D. Clyde, *Moundman.*

, *Moundman.*

C. W. Hickens, *Axman.*

, *Axman.*

Alvin Johnston, *Flagman.*

Subscribed and sworn to before me this 29th day of July, 1905.

SEAL

Ollice E. Brashears.
Compassman for Washington Jenkins.
U. S. Deputy Surveyor.

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FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, Ollice E. Brashears Compassman for Washington Jenkins, United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from Edward H. Anderson United States Surveyor General for Utah, bearing date of the 23d day of September, 1903, I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for ....., the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of Subdivisions of T. 1 N., R. 8 W. of the Uintah Special Base and meridian, in the state of Utah, which are represented in the foregoing corrected field notes as having been surveyed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for Utah and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

Ollice E. Brashears Compassman for Washington Jenkins
United States Deputy Surveyor.

Subscribed by said Ollice E. Brashears, and sworn to before me this 15th day of September, 1905

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

SEAL

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL.

Salt Lake City, Utah, September 23 1905

The foregoing corrected field notes of the survey of the Subdivisional lines of Township 1 North Range 8 West of the Uintah Special Base & Meridian, Utah

executed by Ollice E. Brashears, Compassman for Washington Jenkins under his contract No. 275, dated September 23, 1903, having been critically examined, and the necessary corrections and explanations made, the said corrected field notes, and the surveys they describe, are hereby approved.

Edward H. Anderson
United States Surveyor General.

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

United States Surveyor General.

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BOOK A-330
D.

FILED
OCT 31 1904

W.N.

FIELD NOTES

OF THE SURVEY OF THE

Subdivisions
of
Township No. 3 North
Range No. 7 West

Of the Uintah Special Base and Meridian,
In the State of Utah

AS SURVEYED BY

Washington Jenkins, United States Deputy Surveyor,
Under his Contract No. 275, dated Sept 23, 1903
Survey commenced August 1-1904, 190
Survey completed August 15-1904, 190

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Ref. 59-75-51

BOOK A-330

NAMES AND DUTIES OF ASSISTANTS.

E. Hull	Chainman.
A. W. Criss	Chainman.
Henry Cliff	Roundman.
Joseph Turner	Axman.
Alvin Johnston	Flagman.

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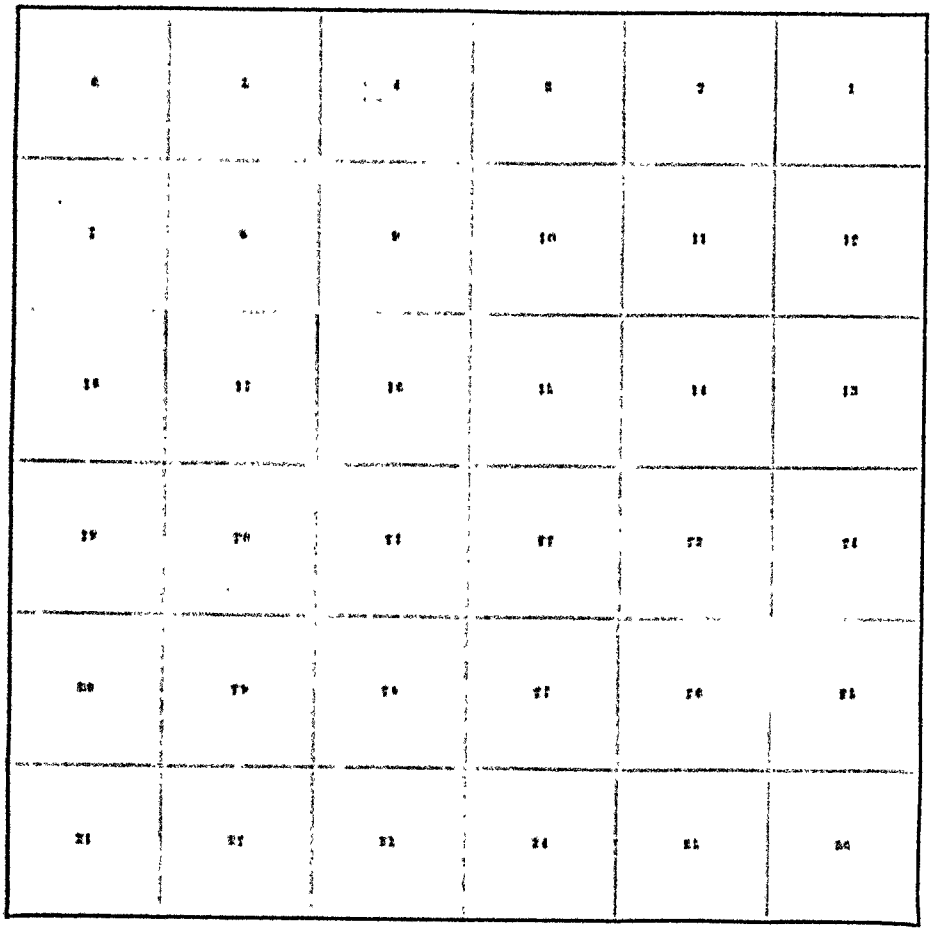
Volume
#
R0330

BOOK A-330

INDEX DIAGRAM.

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



Meanders Page..... .....

PRELIMINARY OATHS OF ASSISTANTS.

WE, E. Hull and A. W. Criss 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 Subdivisions of T. 3 N., R. 7 W. of Uintah Special Base and Meridian Utah.

E. Hull, Chainman.

A. W. Criss, Chainman.

Subscribed and sworn to before me this 1 day of August, 1904

SEAL

Washington Jenkins
U. S. Deputy Surveyor

WE, Henry Clift 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. 3 N., R. 7 W. of Uintah Special Base and Meridian Utah

Henry Clift, Moundman.

....., Moundman.

Subscribed and sworn to before me this 1 day of August, 1904

SEAL

Washington Jenkins
U. S. Deputy Surveyor

WE, Joseph Turner 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 Subdivisions of T. 3 N., R. 7 W., of Uintah Special Base and Meridian Utah.

Joseph Turner, Axman.

....., Axman.

Subscribed and sworn to before me this 1 day of August, 1904

SEAL

Washington Jenkins
U. S. Deputy Surveyor

I, Alvin Johnston, 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 Subdivisions of T. 3 N., R. 7 W., of Uintah Special Base and Meridian, Utah.

Alvin Johnston, Flagman.

Subscribed and sworn to before me this 1 day of August, 1904

SEAL

Washington Jenkins
U. S. Deputy Surveyor

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SUBDIVISIONS OF T.3 N.,R.7 W.

CHAINS	
	Survey commenced Aug. ,1904,and executed with the instrument described in book "A" of this survey.
	I know the instrument to be inadjustment from recent observations made June 1 1,1904,and recorded in book "C" of this survey.
	Aug.1,1904At 7h a.m.,l.m.t.,I set off 40°37'N.on the lat. arc;18°04' N.on the decl.arc;and determine a meridian with the solar at the cor.of secs.1-2-35 and 36,which is a quartzite stone,14x12x6 ins.above ground,marked as described by Francis M.Lyman Jr.,D.S.,under his cont. No.274.
	Thence I run
	N.0°01W.,bet.secs.35 and 36.
	Ascend over steep S.W.slope over slide rock through scattering pine timber.
39.00	Enter heavy pine timber,bearing NW.and SE.
40.00	Set a sandstone,16x8x6 ins.,11 ins.in the ground,for ¼ sec.cor.,marked ¼ on W.face;from which
	A pine,8 ins.diam.,bears N.72°E.,8 lks.dist., marked ½ S 36 B T.
	A pine,16 ins.diam.,bears N.68°W.,20 lks.dist., marked ¼ S 35 B T.
80.00	Point for cor.falls on a sandstone rock in place,6x4x3 ft.above ground;cut a cross (x) at exact cor.point, for cor.of secs.25-26-35 and 36,marked with 1 notch on the S.and E.sides of cross;from which
	A pine,8 ins.diam.,bears N.62°E.,41 lks.dist., marked T 3 N R 7 W S 25 B T.
	A pine,10 ins.diam.,bears S.86°30'E.,55 lks.dist., marked T 3 N R 7 W S 36 B T.
	A pine,4 ins.diam.,bears S.40°30'W.,9 lks.dist., marked T 3 N R 7 W S 35 B T.

SUBDIVISIONS OF T.3 N.,R.7 W.

CHAINS	
	A pine,16 ins.diam.,bears N.38°30'W.,48 lks.dist., marked T 3 N R 7 W S 26 B T.
	Land,mountainous.
	Soil;rocky,3rd rate.
	Timber,pine.
	Mountainous land on 80.00 chs.

	N.89°47'E.,on a random line bet.secs.25 and 36.
40.00	Set temp.$\frac{1}{4}$ sec.cor.
80.26	Intersect E.bdy.of the Tp.,7 lks.N.of the cor.of secs. 25-30-31 and 36,which is a sandstone,in place,6x4x4 ft. above ground,marked as described by Francis M.Lyman,Jr., D.S.,under his cont.,No.274.
	Thence I run S.89°50'W.,on a true line bet.secs.25 and 36.
	Descend over rocky land.
18.00	Bottom of hollow,150 ft.deep,course NE.
	Ascend.
40.13	Set a sandstone,14x10x10 ins.,9 ins.in the ground,for $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on N.face;and raise a mound of stone,2 ft.base,1$\frac{1}{2}$ ft.high,N.of cor.
	Pits impracticable.
57.00	Top of ridge bears NE.and SW.
	Descend. Enter scattering pine timber.
80.26	The cor.of secs.25-26-35 and 36.
	Land,mountainous.
	Soil;rocky ,3rd rate.
	Timber,pine.
	Mountainous land on 80.26 chs.
	August 1:At this cor.,I set off 18°00'N.on the decl.arc; and at 0h 06m p.m.,l.m.t.,observe the sun on the meridian;the resulting lat.is 40°38'N.

SUBDIVISIONS OF T.3 N.,R.7 W.

CHAINS	
	N.0°01'W.,bet.secs.25 and 26.
	Descend abruptly over rocky land through scattering pine timber.
36.00	Bottom of gulch,300 ft.deep,course SW.
	Ascend.
40.00	Set a sandstone,16x10x4 ins.,11 ins.in the ground,for ¼ sec.cor.,marked ¼ on W.face;from which.
	A pine,10 ins.diam.,bears S.82°E.,10 lks.dist., marked ¼ S 25 B T.
	A pine,14 ins.diam.,bears S.12°30'W.,43 lks.dist., marked ¼ S 26 B.T.
	Leave scattering timber.
80.00	Set a sandstone,16x8x6 ins.,11 ins.in the ground,for cor.of secs.23_24-25 and 26,marked with 2 notches on the S.and 1 notch on the E.face;and raise a mound of stone,2 ft.base,1½ ft.high,W.of cor.
	Pits impracticable.
	Land,mountainous.
	Soil;roaky and sandy,3rd and 4th rate.
	Timber,pine.
	Mountainous land on 80.00 chs.

	N.89°50'E.on a random line bet.secs.24 and 25.
40.00	Set temp.¼ sec.cor.
80.08	Intersect E.bdy.of the Tp.,5 lks.S.of the cor.of secs. 19-24-25 and 30,which is a sandstone,12x10x6 ins.above ground,marked as described by Francis M.Lyman,Jr.,D.S., under his cont.,No.274.
	Thence I run
	S.89°48'W.,on a true line
	bet.secs.24 and 25.
	Ascend over rocky land.
17.00	Top of ridge bears NW.and SW.
	Descend.

SUBDIVISIONS OF T.3 N.,R.7 W.

CHAINS	
40.04	Set a sandstone,16x10x8 ins.,11 ins.in the ground,for $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on N.face;and raise a mound of stone 2 ft.base,$1\frac{1}{2}$ ft.high,N.of cor.
	Pits impracticable.
52.00	Bottom of gulch,300 ft.deep,course S.
	Ascend.
80.08	The cor.of secs.23-24-25 and 26.
	Land,mountainous.
	Soil;rocky,and sandy,3rd and 4th rate.
	No timber.
	Mountainous,land on 80.08 chs.

	N.0°01'W.,bet.secs.23 and 24.
	Ascend over slide rock and sandstone ledges,through scattering pines.
24.00	Top of south slope of low high ridge bears NE.and SW.
	Thence over top of ridge.
40.00	North slope of ridge.
	Set a sandstone,16x10x4 ins.,11 ins.in the ground,for $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on W.face;and raise a mound of stone,2 ft.base,$1\frac{1}{2}$ ft.high,W.of cor.
	Pits impracticable.
	Begin abrupt descent.
78.00	Spring branch,4 lks.wide,2 ins.deep,in bottom of hollow, 150 ft.deep,course SW.
	Ascend.
80.00	Set a sandstone,18x10x4 ins.,12 ins.in the ground,for cor.of secs.13-14-23 and 24,marked with 3 notches on the S.and 1 notch on the E.edge;and raise a mound of stone,2 ft.base,$1\frac{1}{2}$ ft.high,W.of cor.
	Pits impracticable.
	Land,mountainous,
	Soil;rocky,and sandy,3rd and 4th rate.

SUBDIVISIONS OF T.3 N., R.7 W.

CHAINS	
	Timber, pine.
	Mountainous land on 80.00 chs.
	August 1, 1904.
	August 2, 1904.
	At 7 h.a.m., l.m.t., I set off, 40°39'N. on the lat. arc; 17°49'N. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 13-14-23 and 24.
	Thence I run
	N. 89°48'E. on a random line bet. secs. 13 and 24.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.15	Intersect E. bdy. of the Tp., 12 lks. N. of the cor. of secs. 13-18-19 and 24, which is a sandstone, 10x5x5 ins. above ground, marked as described by Francis M. Lyman Jr., under his cont., No. 274. Thence I run
	S. 89°53'W., on a true line bet. secs. 13 and 24.
	Ascend over rocky land through scattering pine timber.
30.00	Begin abrupt ascent over sandstone ledges, bearing NE. and SW.
	Leave timber.
40.07½	Point for $\frac{1}{4}$ sec. cor. falls on perpendicular face of sandstone ledge, and cannot be set.
52.00	Top of ridge bears N. and S. Leave ledges.
	Point for witness cor. falls on a sandstone rock in place 20x6x2 ft. above ground; cut a cross (x) at exact cor. point for witness cor. to $\frac{1}{4}$ sec. cor., marked W C $\frac{1}{4}$ on N. side of cross; and raise a mound of stone, 2 ft. base, 1½ ft. high N. of cor.
	Begin abrupt descent.
69.50	Spring branch, 4 lks. wide, 2 ins. deep, in bottom of hollow, 150 ft. deep, course SW.
80.15	The cor. of secs. 13-14-23 and 24.
	Land, mountainous.
	Soil; rocky, and sandy 3rd and 4th rate.
	Timber, pine.
	Mountainous land on 80.15 chs.

See cor notes 1 page

SUBDIVISIONS OF T.3 N.,R.7 W.

CHAINS	
	N.0°01'W.,bet.secs.13 and 14.
	Ascend abruptly over rocky land.
14.00	Top of rocky spur projects SW.
	Descend over slide rock and sandstone ledges.
40.00	Point for ¼ sec.cor.,falls on a sandstone rock in place, 6x4x2 ft.above ground;cut a cross (x) at exact cor. point,for ¼ sec.cor.,marked ¼ on W.side of cross;and raise a mound of stone,2 ft.base,1½ ft.high,W.of cor. Pits impracticable.
65.00	Foot of slide rock. Leave ledges.
	Begin more gradual descent.
66.00	Spring branch,4 lks.wide,2 ins.deep,in bottom of hollow,600 ft.below top of spur,course SW.
	Ascend. Enter scattering pine timber.
80.00	Set a sandstone,14x8x6 ins.,9 ins.in the ground,for cor.of secs.11-12-13 and 14,marked with 4 notches on the S.and 1 notch on the E.edge;from which A pine,8 ins.diam.,bears N.77°30'E.,71 lks.dist., marked T 3 N R 7 W S 12 B T. A pine,9 ins.diam.,bears S.26°E.,54 lks.dist., marked T 3 N R 7 W S 13 B T. A pine,10 ins.diam.,bears S.68°W.,58 lks.dist., marked T 3 N R 7 W S 14 B T. A pine,12 ins.diam.,bears N.46°30'W.,58 lks.dist., marked T 3 N R 7 W S 11 B T.
	Land,mountainous.
	Soil;rocky and sandy,3rd and 4th rate.
	Timber,pine.
	Mountainous land on 80.00 chs.
	August 2:At this cor.,I set off 17°45'N.on the decl.arc; and at 0h 06m p.m.,l.m.t.,observe the sun on the meridian; the resulting lat.is 40°40'N.

SUBDIVISIONS OF T.3 N.,R.7 W.

CHAINS	
	N.89°53'E. on a random line bet.secs.12 and 13.
40.00	Set temp.¼ sec.cor.
80.04	Intersect E.bdy.,12 lks.N.of the cor.of secs.7-12-13 and 18,which is a quartzite stone,10x5x5 ins.above ground,marked as described by Francis M,Lyman,Jr.,D.S., under his cont.No.274.
	Thence I run
	S.89°58'W.,on a true line bet.secs.12 and 13.
	Ascend over rocky land.
40.02	Top of ridge bears N.and S.
	Set a sandstone,18x10x7 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.
	Descend.
76.00	Enter heavy pine timber,bearing N.and S.
80.04	The cor.of secs.11-12-13 and 14.
	Land,mountainous.
	Soil;rocky,3rd rate.
	Timber pine.
	Mountainous or heavily timbered land on 80.04 chs.

See Notes page

SUBDIVISIONS OF T.3 N.,R.7 W.

CHAINS.	
	N0°01'W.,bet.secs.11 and 12.
	Ascend gradually over rocky land through scattering pine timber.
40.00	Set a sandstone,14x12x3 ins.,9 ins.in the ground,for ¼ sec.cor.,marked ¼ on W.face;from which
	A pine,10 ins.diam.,bears S.49°E.,45 lks.dist., marked ¼ S 12 B T.
	A pine,6 ins.diam.,bears S.66°30'W.,70 lks.dist., marked ¼ S 11 B T.
80.00	Set a sandstone ,18x14x6 ins.,12 ins.in the ground,for cor.of secs.1-2-11 and 12,marked with 5 notches on the S.and 1 notch on the E.edge;from which
	A pine,6 ins.diam.,bears S.29°E.,63 lks.dist., marked T 3 N R 7 W S 12 B T.
	A pine,6 ins.diam.,bears S.58°W.,70 lks.dist., marked T 3 N R 7 W S 11 B T.
	No other trees within limits;and raise a mound of stone;2 ft.base,1½ ft.high,W.of cor.
	Pits impracticable.
	Land,mountainous.
	Soil;rocky and sandy,3rd and 4th rate.
	Timber.pine.
	Mountainous land on 80.00 chs.
	August 2,1904.

	August 3:At 7h a.m.,l.m.t.,I set off 40°41'N.on the lat. arc;17°33'N.on the decl.arc;and determine a meridian with the solar at the cor.of secs.1-2-11 and 12.
	Thence I run
	N.89°58'E.on a random line bet.secs.1 and 12.
40.00	Set temp.¼ sec.cor.
79.92	Intersect E.bdy.of the Tp.,5 lks.N.of the cor.of secs. 1-6-7 and 12,which is a sandstone,12x8x5 ins.above

SUBDIVISIONS OF T.3 N.,R.7 W.

CHAINS	
	ground,marked as described by Francis M.Lyman Jr.,D.S., under his cont.,No.274.
	Thence I run
	West on a true line bet.secs.1 and 12.
	Ascend over rock slide and sandstone ledges.
39.96	Set a sandstone,16x8x6 ins.,11 ins.in the ground,for $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on N.face;and raise a mound of stone,2 ft.base,$1\frac{1}{2}$ ft.high,N.of cor.
	Pits impracticable.
55.00	Top of high rocky ridge bears N.and S.
	Descend.
79.92	The cor.of secs.1-2-11 and 12.
	Land,mountainous.
	Soil;rocky,4th rate.
	No timber.
	Mountainous land on 79.92 chs.

	N.0°01'W.,on a random line bet.secs.1 and 2.
40.00	Set temp.$\frac{1}{4}$ sec.cor.
80.20	Intersect N.bdy.of the Tp.,14 lks.E.of the cor.of secs.1-2-35 and 36,heretofore described.
	Thence I run
	S.0°07'E.,on a true line bet.secs.1 and 2.
	Descend gradually over top of high ridge.
15.00	Begin abrupt descent over slide rock.
40.20	Point for $\frac{1}{4}$ sec.cor.falls on loose slide rock and cannot be set.
49.20	Foot of loose slide rock and abrupt descent.
	Set a sandstone,14x8x6 ins.,9 ins.in the ground,for witness cor.to $\frac{1}{4}$ sec.cor.,marked W C $\frac{1}{4}$ on W.face;and raise a mound of stone,2 ft.base,$1\frac{1}{2}$ ft.high,W.of cor.
	Pits impracticable.
80.20	The cor.of secs.1-2-11 and 12.

See cor. Notes page

SUBDIVISIONS OF T.3 N.,R.7 W.

CHAINS

Land,mountainous.

Soil;rocky,4th rate.

No timber.

Mountainous land on 80.20 chs.

---------- August 3rd,1904.

August 4:At 7h a.m.,l.m.t.,I set off 40°37'N.on the lat.arc;17°18'N.on the decl.arc;and determine a meridian with the solar at the cor.of secs.2-3-34 and 35, which is a quartzite stone,14x12x6 ins.above ground, marked as described by Francis M.Lyman Jr.,D.S.,under his cont.,No.274,on S. bdy. of Tp.

Thence I run

N.0°02'W.,bet.secs.34 and 35.

Ascend abruptly over slide rock.

9.00 Top of ridge bears NW.and SE.

Descend over slide rock and sandstone ledges.

Enter heavy pine timber,bearing NW.and SE.

40.00 Set a sandstone,20x12x4 ins.,15 ins.in the ground,for ¼ sec.cor.,marked ¼ on W.face;from which

A pine,12 ins.diam.,bears S.72°E.,62 lks.dist., marked ¼ S 35 B T.

A pine,10 ins.diam.,bears N.32°30'W.,47 lks.dist., marked ¼ S 34 B T.

Leave ledges

56.00 Leave heavy and enter scattering pine timber.

80.00 Point for sec.cor.falls on a sandstone rock in place, 6x4x3 ft.above ground;cut a cross (x)at exact cor. point for cor.of secs.26-27-34 and 35,marked with 1 notch on the S.and 2 notches on the E.side of cross;from which

A pine,3 ins.diam.,bears N.62°E.,41 lks.dist., marked T 3 N R 7 W S 26 B T.

A pine,10 ins.diam.,bears S.26°30'E.,55 lks.dist., marked T 3 N R 7 W S 35 B T.

BOOK A-330
(11)

SUBDIVISIONS OF T.3 N.,R.7 W.

CHAINS	
	A A pine,4 ins.diam.,bears S.40°30'W.,9 lks.dist., marked T 3 N R 7 W S 34 B T.
	A pine,16 ins.diam.,bears N.38°30'W.,48 lks.dist., marked T 3 N R 7 W S 27 B T.
	Land,mountainous.
	Soil;rocky and sandy,3rd and 4th rate.
	Timber,pine.
	Mountainous or heavily timbered land on 80.00 chs.

	N.89°47'E.on a random line bet.secs.26 and 35.
40.00	Set temp.¼ sec.cor.
79.92	Intersect N.and S.line,3 lks.N.of the cor.of secs. 25-26-35 and 36.
	Thence I run
	S.89°48'W.,on a true line
	bet.secs.26 and 35.
	Descend abruptly over rock slide through heavy pine timber.
23.00	Creek,10 lks.wide,4 ins.deep,in bottom of canon,400 ft. deep,course SW.
	Begin abrupt ascent.
39.96	On top of high rocky spur projecting SW.,
	Set a sandstone,18x10x8 ins.,12 ins.in the ground,for ¼ sec.cor.,marked ¼ on N.face;from which
	A pine,12 ins.diam.,bears N.53°W.,26 lks.dist., marked ¼ S 26 B T.
	A pine,6 ins.diam.,bears S.63°W.,29 lks.dist., marked ¼ S 35 B T. Descend.
58.00	Creek,12 lks.wide,5 ins.deep,in bottom of canon,400 ft. deep,course NW.
	Ascend .
79.92	The cor.of secs.26-27-34 and 35.
	Land,mountainous.
	Soil;rocky,and sandy,3rd and 4th rate.

SUBDIVISIONS OF T.3 N.,R.7 W.

CHAINS	
	Timber, pine.
	Mountainous and heavily timbered land on 79.92 chs.
	August 4: At this cor., I set off 17°13'N. on the decl. arc; and at 0h 06m p.m., l.m.t., observe the sun on the meridian; the resulting lat. is 40°38'N.

	N.0°02'W., bet. secs. 26 and 27.
	Descend over rocky land through scattering pine timber.
40.00	Set a sandstone, 16x10x5 ins., 11 ins. in the ground, for ¼ sec. cor., marked ¼ on W. face; and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
	Pits impracticable.
[illegible]	Over rolling land in bottom of broad extension of canon, descend.
46.00	Creek, 12 lks. wide, 5 ins. deep, course NW.
	Ascend.
50.00	Descend.
56.00	Spring branch, 4 lks. wide, 2 ins. deep, course NW.
	Ascend.
80.00	Set a sandstone, 16x8x6 ins., 11 ins. in the ground, for cor. of secs. 22-23-26 and 27, marked with 2 notches on the S. and E. edges; and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
	Pits impracticable.
	Land, mountainous.
	Soil; rocky, and sandy, third and fourth rate.
	Timber, pine.
	Mountainous land on 80.00 chs.

	N.89°48'E. on a random line bet. secs. 23 and 26.
40.00	Set temp. ¼ sec. cor.
80.10	Intersect N. and S. line, 14 lks. N. of the cor. of secs. 23-24-25 and 26,
	Thence I run

SUBDIVISIONS OF T.3 N.,R.7 W.

CHAINS	
	S.89°54'W.,on a true line bet.secs.23 and 26.
	Ascend abruptly through scattering pine timber.
10.00	Top of ridge bears NE.and SW..
	Begin abrupt descent.
40.05	Point for ¼ sec.cor.falls on a sandstone rock in place 4x2x1 ft.above ground;cut a cross (x) at exact cor. point,for ¼ sec.cor.,marked ¼ on N.side of cross;from which
	A pine,12 ins.diam.,bears S.74°30'E.,94 lks.dist., marked ¼ S 26 B T.
	A pine,4 ins.diam.,bears N.61°E.,94 lks.dist., marked ¼ S 23 B T.
45.50	Begin gradual descent.
80.10	The cor.of secs.22-23-26 and 27.
	Land,mountainous.
	Soil;rocky, and sandy,3rd and 4th rate.
	Timber,pine.
	Mountainous land on 80.10 chs.
	August 4,1904.
	August:5:At 7h a.m.,l.m.t.,I set off 40°38'N.on the lat. arc;17°2'N.on the decl.arc;and determine a meridian with the solar at the cor.of secs.22-23-26 and 27.
	Thence I run
	N.0°02'W.,bet.secs.22 and 23.
	Ascend over mountainous land through scattering pine timber.
0.30	Spring branch,2 lks.wide,1 ins.deep,course SW.
29.00	Top of ridge bears NE.and SW.
	Descend.
40.00	Set a sandstone,16x10x8 ins.,11 ins.in the ground,for ¼ sec.cor.,marked ¼ on W.face;from which
	A pine,10 ins.diam.,bears N.81°E.,60 lks.dist., marked ¼ S 23 B T.
	A pine,10 ins.diam.,bears S.57°30'W.,28 lks.dist.,

CHAINS	
	marked 1/4 S 22 B T.
42.75	Creek,12 lks.wide,4 ins.deep,in bottom of gulch 100 ft. deep,course SW.
	Begin abrupt ascent.
47.50	Top of abrupt ascent,on bench land,bearing NE.and NW.
	Begin gradual ascent.
80.00	Set a sandstone,18x14x4 ins.,12 ins.in the ground,for cor.of secs.14-15-22 and 23,marked with 3 notches on the S.and 2 notches on the E.edge:from which
	A pine,8 ins.diam.,bears N.70½°E.,92 lks.dist., marked T 3 N R 7 W S 14 B T.
	A pine,12 ins.diam.,bears S.79°E.,83 lks.dist., marked T 3 N R 7 W S 23 B T.
	A pine,9 ins.diam.,bears S.32°W.,1.20 chs.dist., marked T 3 N R 7 W S 22 B T.
	A pine,7 ins.diam.,bears N.17°W.,24 lks.dist., marked T 3 N R 7 W S 15 B T.
	Land,mountainous.
	Soil:rocky,and sandy,3rd and 4th rate.
	Timber:pine.
	Mountainous land on 80.00 chs.

	N.89°54'W.,on a random line bet.secs.14 and 23.
40.00	Set temp.1/4 sec.cor.
80.20	Intersect N.and S.line,7 lks.N.of the cor.of secs. 13-14-23 and 24.
	Thence I run
	S.89°57'W.,on a true line
	bet.secs.14 and 23.
	Descend over rocky land through scattering pine timber.
8.00	Begin more abrupt descent.
20.00	Begin gradual descent.
36.50	Creek,10 lks.wide,3 ins.deep,in bottom of gulch,100

SUBDIVISIONS OF T.3 N.,R.7 W.

CHAINS	
	ft.deep,course SE.
	Begin abrupt ascent.
40.10	Set a sandstone,18x8x4 ins.,12 ins.in the ground,for ¼ sec.cor.,marked ¼ on N.face;from which
	A pine,14 ins.diam.,bears N.52°30'W.,0.80 chs.dist., marked ¼ S 14 B T.
	A pine,12 ins.diam.,bears S.72°30'W.,1.10 chs.dist., marked ¼ S 23 B T.
52.00	Top of spur projects SW.
	Descend.
62.80	Spring branch,4 lks.wide,2 ins.deep,course SE.
	Ascend gradually over rolling bench land.
80.20	The cor.of secs.14-15-22 and 23.
	Land,mountainous.
	Soil;rocky,and sandy,3rd and 4th rate.
	Timber;pine.
	Mountainous land on 80.20 chs.
	August 5:At this cor.,I set off 16°57'N.on the decl.arc; and at 0h 06m p.m.,l.m.t.,observe the sun on the meridian;the resulting lat.is 40°39'N.

	N.0°02'W.,bet.secs.14 and 15.
	Over dead and fallen timber and through heavy live pines, ascend over rocky land.
10.00	Top of ridge bears NW.and SE.
	Descend.
40.00	Set a sandstone,18x12x5 ins.,12 ins.in the ground,for ¼ sec.cor.,marked ¼ on W.face;from which
	A pine,12 ins.diam.,bears S.12°E.,26 lks.dist., marked ¼ S 14 B T.
	A pine,8 ins.diam.,bears N.83°W.,85 lks.dist., marked ¼ S 15 B T.
46.50	Creek,6 lks.wide,3 ins.deep,course SW.
	Ascend over rolling land.

SUBDIVISIONS OF T.3 N.,R.7 W.

CHAINS	
80.00	Set a sandstone,18x12x6 ins.,12 ins.in the ground,for cor.of secs.10-11-14 and 15,marked with 4 notches on the S.and 2 notches on the E.edge;from which
	A pine,3 ins.diam.,bears N.31°E.,53 lks.dist., marked T 3 N R 7 W S 11 B T.
	A pine,8 ins.diam.,bears S.36°30'E.,93 lks.dist., marked T 3 N R 7 W S 14 B T.
	A pine,8 ins.diam.,bears S.56°W.,39 lks.dist., marked T 3 N R 7 W S 15 B T.
	A pine,10 ins.diam.,bears N.30°W.,19 lks.dist., marked T 3 N R 7 W S 10 B T.
	Land,mountainous.
	Soil:rocky,and sandy,3rd and 4th rate.
	Timber,pine.
	Mountainous or heavily timbered land on 80.00 chs.
	N.89°57'E.on a random line bet.secs.11 and 14.
40.00	Set temp.$\frac{1}{4}$ sec.cor.
80.15	Intersect N.and S.line,14 lks.S.of the cor.of secs. 11-12-13 and 14.
	Thence I run
	S.89°51'W.,on a true line, bet.secs.11 and 14.
	Descend over mountainous land through heavy pine timber.
15.75	Creek,8 lks.wide,4 ins.deep,in bottom of hollow,100 ft. deep,course S.
	Ascend.
40.07½	Set a sandstone,16x8x6 ins.,11 ins.in the ground,for $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on N.face;from which
	A pine,18 ins.diam.,bears N.3°E.,30 lks.dist., marked $\frac{1}{4}$ S 11 B T.
	A pine,18 ins.diam.,bears S.11°W.,44 lks.dist., marked $\frac{1}{4}$ S 14 B T.
52.00	Top of spur projects NE.
	Descend.

SUBDIVISIONS OF T.3 N.,R.7 W.

CHAINS	
57.00	Spring branch,4 lks.wide,2 ins.deep,course SW.
	Ascend.
71.00	Descend.
80.15	The cor.of secs.10-11-14 and 15.
	Land,mountainous.
	Soil;rocky,and sandy,3rd and 4th rate.
	Timber,pine.
	Mountainous and heavily timbered land on 80.15 chs.
	August 5,1904.

	August 6: At 7h a.m.,l.m.t.,I set off 40°40'N.on the lat.arc;16°45'N.on the decl.arc;and determine a meridian with the solar at the cor.of secs.10-11-14 and 15.
	Thence I run
	N.0°02'W.,bet.secs.10 and 11.
	Ascend over rocky land through heavy pine timber.
28.00	Descend.
28.50	Creek,30 lks.wide,10 ins.deep,course SW.
	Ascend.
33.00	Descend.
37.00	Same creek,course SE.
	Ascend.
39.00	Spring branch,4 lks.wide,2 ins.deep,course SW.
40.00	Set a sandstone,12x8x6 ins.,8 ins.in the ground,for ¼ sec.cor.,marked ¼ on W.face;from which
	A pine,8 ins.diam.,bears S.68°E.,64 lks.dist.,
	marked ¼ S 11 B T.
	A pine,14 ins.diam.,bears N.49°W.,28 lks.dist.,
	marked ¼ S 10 B T.
68.70	Creek,4 lks.wide,2 ins.deep,course SW.
	Ascend.
80.00	Set a sandstone,14x8x6 ins.,9 ins.in the ground,for cor.of secs.2-3-10 and 11,marked with 2 notches on the E.and 5 notches on the S.edge;from which

SUBDIVISIONS OF T.3 N.,R.7 W.

CHAINS	
	A pine,12 ins.diam.,bears N.57°E.,1.28 chs.dist., marked T 3 N R 7 W S 2 B T.
	A pine,18 ins.diam.,bears S.70°30'E.,2.00 chs.dist., marked T 3 N R 7 W S 11 B T.
	A pine,12 ins.diam.,bears S.53°W.,78 lks.dist., marked T 3 N R 7 W S 10 B T.
	A pine,24 ins.diam.,bears N.51°W.,29 lks.dist., marked T 3 N R 7 W S 3 B T.
	Land,mountainous.
	Soil;rocky and sandy 3rd and 4th rate.
	Timber,pine.
	Mountainous and heavily timbered land on 80.00 chs.

	N.89°51'E.on a random line bet.secs.2 and 11.
40.00	Set temp.¼ sec.cor.
80.24	Intersect N.and S.line,16 lks.N.of the cor.of secs. 1-2-11 and 12.
	Thence I run S.89°58'W.,on a true line bet.secs.2 and 11.
	Descend over rocky land throughscattering pine timber.
2.00	Creek,6 lks.wide,3 ins.deep,course S.
	Ascend.
40.12	Top of ridge bears N.and S.
	Set a sandstone,20x8x4 ins.,15 ins.in the ground,for ¼ sec.cor.,marked ¼ on N.face;from which
	A pine,20 ins.diam.,bears S.0°30'E.,94 lks.dist., marked ¼ S 11 B T.
	A pine,18 ins.diam.,bears N.49°30'W.,1.42 chs.dist., marked ¼ S 2 B T.
	Descend.
71.00	Spring.Branch,4 lks.wide,2 ins.deep,course S.
80.24	The cor.of secs.2-3-10 and 11.
	Land,mountainous.
	Soil;rocky and sandy,3rd and 4th rate.

SUBDIVISIONS OF T.3 N., R.7 W.

CHAINS	
	Timber, pine.
	Mountainous land on 80.24 chs.
	August 6: At this cor., I set off 16°41'N. on the decl. arc; and at 0h 06m p.m., l.m.t., observe the sun on the meridian; the resulting lat. is 40°41'N.

	N.0°02'W., on a random line bet. secs.2, and 3.
40.00	Set temp. ¼ sec. cor.
80.06	Intersect N. bdy. of the Tp., 5 lks. W. of the cor. of secs. 2-3-34 and 35, heretofore described.
	Thence I run
	South, on a true line
	bet. secs. 2 and 3.
	Descend over mountainous land through scattering pine timber.
15.00	Creek, 6 lks. wide, 3 ins. deep, course SW.
	Ascend.
34.50	Descend.
40.06	Set a sandstone, 14x10x8 ins., 9 ins. in the ground, for ¼ sec. cor., marked ¼ on W. face; and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
	Pits impracticable.
80.06	The cor. of secs. 2-3-10 and 11.
	Land, mountainous.
	Soil; rocky and sandy 3rd and 4th rate.
	Timber, pine.
	Mountainous land on 80.06 chs.
	August 6, 1904.

SUBDIVISIONS OF T.3 N.,R.7 W.

CHAINS	
	August 7:At 7h a.m.,1mt.,I set off 40°57'N.on the lat. arc;16°29'N.on the decl.arc;and determine a meridian with the solar at the W.C.of secs.3-4-33 and 34,on the S.bdy.of the Tp.,which is a quartzite stone,18x12x6 ins. above ground,marked as described by Francis M.Lyman,Jr., D.S.,under his cont.,No.274. Thence I run on offset line N.0°02'W.,20.50 chs.;thence N.89°47'E.,1.50chs:
20.50	N.0°02'W.,bet.secs.33 and 34,on a true line.
	Ascend over rocky land through scattering pine timber.
40.00	Set a sandstone,14x10x6 ins.,9 ins.in the ground,for ¼ sec.cor.,marked ¼ on W.face;from which
	A pine,14 ins.diam.,bears N.80°30'W.,2.25 chs.dist., marked ¼ S 33 B T.
	No other trees within limits;and raise a mound of stone,2 ft.base,1½ ft.high,W.of cor.
	Pits impracticable.
53.00	Top of ridge bears NW.and SE.
	Descend.
	Enter heavy pine timber,bearing NW.and SE.
80.00	Set a sandstone,16x8x6 ins.,11 ins.in the ground,for cor.of secs.27-28-33 and 34,marked with 1 notch on the S.and 3 notches on the E.edge;from which
	A pine,24 ins.diam.,bears N.72°E.,65 lks.dist., marked T 3 N R 7 W S 27 B T.
	A pine,18 ins.diam.,bears S.70°30'E.,55 lks.dist., marked T 3 N R 7 W S 34 B T.
	A pine,14 ins.diam.,bears S.57°W.,10 lks.dist., marked T 3 N R 7 W S 33 B T.
	A pine,30 ins.diam.,bears N.46°W.,20 lks.dist., marked T 3 N R 7 W S 28 B T.
	Land,mountainous.
	Soil;rocky,3rd rate.
	Timber,pine.
	Mountainous land on 80.00 chs.

SUBDIVISIONS OF T.3 N.,R.7 W.

CHAINS	
	N.89°47'E. on a random line bet.secs.27 and 34.
40.00	Set temp.¼ sec.cor.
80.06	Intersect N.and S.line,30 lks.N.of the cor.of secs. 26-27-34 and 35;
	Thence I run
	West, on a true line, bet.secs.27 and 34.
	Ascend over rolling rocky land, through heavy pine timber.
40.03	Point for ¼ sec.cor.falls on a sandstone rocky in place, 4x2x2 ft.above ground; cut a cross(x) at exact cor.point for ¼ sec.cor., marked ¼ on N.side of cross; from which
	A pine,6 ins.diam.,bears N.34°E.,6 lks.dist., marked ¼ S 27 B T.
	A pine,24 ins.diam.,bears S.34°E.,20 lks.dist., marked ¼ S 34 B T.
80.06	The cor.of secs.27-28-33 and 34.
	Land,rolling.
	Soil;rocky,3rd rate.
	Timber,pine.
	Heavily timbered land on 80.06 chs.
	Aug.7: At this cor., I set off 16°24'N.on the decl.arc; and at 0h 06m p.m.,l.m.t.,observe the sun on the meridian; the resulting lat.is 40°38'N.

	N.0°02'W.,bet.secs.27 and 28.
	Descend over rocky land through scattering pine timber.
40.00	Set a sandstone,24x16x4 ins.,18 ins.in the ground,for ¼ sec.cor.,marked ¼ on W.face; from which
	A pine,24 ins.diam.,bears N.7°E.,1.30 chs.dist., marked ¼ S 27 B T.
	A pine,14 ins.diam.,bears N.21°W.,2.10 chs.dist., marked ¼ S 28 B T.
64.00	Creek,12 lks.wide,6 ins.deep,in bottom of canon,400 ft. deep,course NW.
73.00	Creek,5 lks.wide,3 ins.deep,course SW.

SUBDIVISIONS OF T.3 N.,R.7 W.

CHAINS

Begin abrupt ascent.

80.00 Set a sandstone,16x8x6 ins.,11 ins.in the ground,for cor.of secs.21-22-27 and 28,marked with 2 notches on the S.and 3 notches on the E.edge;from which

A pine,8 ins.diam. bears N.60°30'E.,48 lks.dist., marked T 3 N R 7 W S 22 B T.

A pine,12 ins.diam.,bears S.78°E.,49 lks.dist., marked T 3 N R 7 W S 27 B T.

A pine,8 ins.diam.,bears S.56°W.,2.38 chs.dist., marked T 3 N R 7 W S 28 B T.

A pine,8 ins.diam.,bears N.43°W.,50 lks.dist., marked T 3 N R 7 W S 21 B T.

Land,mountainous.

Soil:rocky,3rd rate.

Timber,pine.

Mountainous land on 80.00 chs.

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

40.00 Set temp.¼ sec.cor.

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

Thence I run

S.89°50'W.,on a true line

bet.secs.22 and 27.

Descend over rolling land through heavy pine timber.

1.20 Spring branch,2 lks.wide,2 ins.deep,course SW.

39.95 Set a sandstone,18x10x8 ins.,12 ins.in the ground,for ¼ sec.cor.,marked ¼ on N.face;from which

A pine,12 ins.diam.,bears N.40°E.,18 lks.dist., marked ¼ S 22 B T.

A pine,10 ins.diam.,bears S.30°E.,23 lks.dist., marked ¼ S 27 B T.

80.00 The cor.of secs.21-22-27 and 28.

Land,rolling.

SUBDIVISIONS OF T.3 N.,R.7 W.

CHAINS	
	Soil;rocky and sandy,3rd and 4th rate.
	Timber,pine.
	Heavily timbered land on 79.90 chs.
	N.0°02'W.,bet.secs.21 and 22.
	Ascend over mountainous land through heavy pine timber.
9.00	Top of spur projects SW.
	Descend.
20.00	Creek,30 lks.wide,in bottom of hollow,100 ft.deep,course SW.
	Thence ascend along bottom of hollow.
22.00	Spring branch,4 lks.wide,2 ins.deep, at mouth of hollow, 50 ft.deep,course S.to SW.
39.00	Same spring branch,course SW.to SE.
40.00	Set a sandstone,16x12x6 ins.,11 ins.in the ground,for $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on W.face;from which A pine,14 ins.diam.,bears N.71°E.,32 lks.dist., marked $\frac{1}{4}$ S 22 B T. A pine,14 ins.diam.,bears S.88°30'W.,17 lks.dist., marked $\frac{1}{4}$ S 21 B T.
64.00	Same spring branch,course SE. Leave timber.
80.00	Set a sandstone,24x10x8 ins.,18 ins.in the ground,for cor.of secs.15-16-21 and 22,marked with 3 notches on the S.and E.edges;and 3 N on NE.,7 W on SE.faces;and raise a mound of stone,2 ft.base,1½ ft.high,W.of cor.
	Pits impracticable.
	Land,mountainous.
	Soil;rocky,3rd rate.
	Timber,pine.
	Mountainous or heavily timbered land on 80.00 chs.

August 7,1904.

August 8:At 7h a.m.,i.m.t.,I set off 40°39'N.on the lat. arc;16°12'N.on the decl.arc;and determine a meridian with the solar at the cor.of secs.15-16-21 and 22.

SUBDIVISIONS OF T.3 N.,R.7 W.

CHAINS	
	Thence I run
	N.89°50'E. on a random line bet.secs.15 and 22.
40.00	Set temp.¼ sec.cor.
80.10	Intersect N.and S.line,23 lks.N.of the cor.of secs. 14-15-22 and 23.
	Thence I run
	West on a true line bet.secs.15 and 22.
	Descend over mountainous land through heavy pine timber.
20.00	Begin abrupt descent,bearing NE.and S.
27.00	Bottom of abrupt descent.
	Begin more gradual descent.
29.00	Spring branch,5 lks.wide,2 ins.deep,course SE.
40.05	Set a sandstone,18x10x8 ins.,12 ins.in the ground,for ¼ sec.cor.,marked ¼ on N.face;from which
	A pine,14 ins.diam.,bears N.36°W.,42 lks.dist., marked ¼ S 15 B T.
	A pine,16 ins.diam.,bears S.29°W.,30 lks.dist., marked ¼ S 22 B T.
52.00	Creek,30 lks.wide,10 ins,deep,in bottom of hollow,100 ft.deep,course SE.
	ascend.
68.00	Begin abrupt ascent.
80.10	The cor.of secs.15-16-21 and 22.
	Land,mountainous.
	Soil;rocky,and sandy,3rd and 4th rate.
	Timber,pine.
	Mountainous and heavily timbered land on 80.10 chs.

	N.0°02'W.,bet.secs.15 and 16.
	Ascend gradually over rocky land along the east slope of a high ridge;through pine timber.
40.00	Set a sandstone,14x10x8 ins.,9 ins.in the ground,for ¼ sec.cor.,marked ¼ on W.face;from which
	A pine,12 ins.diam.,bears N.82°E.,37 lks.dist., marked ¼ S 15 B T.

SUBDIVISIONS OF T.3 N.,R.7 W.

CHAINS	
	A pine,8 ins.diam.,bears N.62°W.,43 lks.dist., marked $\frac{1}{4}$ S 16 B T.
80.00	Set a sandstone,14x10x8 ins.,9 ins.in the ground,for cor.of secs.9-10-15 and 16,marked with 4 notches on the S.and 3 notches on the E.edge;from which
	A pine,6 ins.diam.,bears N.55°30'E.,22 lks.dist., marked T 3 N R 7 W S 10 B T.
	A pine,14 ins.diam.,bears S.67°30'E.,59 lks.dist., marked T 3 N R 7 W S 15 B T.
	A pine,8 ins.diam.,bears S.76°30'W.,75 lks.dist., marked T 3 N R 7 W S 16 B T.
	A pine,6 ins.diam.,bears N.37°W.,56 lks.dist., marked T 3 N R 7 W S 9 B T.
	Land,mountainous.
	Soil;rocky,3rd rate.
	Timber,pine.
	Mountainous and heavily timbered land on 80.00 chs.
	August 8:At this cor.,I set off 16°07'N.on the decl.arc; and at 0h 05m p.m.,l.m.t.,observe the sun on the meridian ;the resulting lat.is 40°40'N.

	East on a random line bet.secs.10 and 15.
40.00	Set temp.$\frac{1}{4}$ sec.cor.
79.96	Intersect N.and S.line,5 lks.N.of the cor.of secs. 10-11-14 and 15.
	Thence I run
	N.89°58'W.,on a true line
	bet.secs.10 and 15.
	Descend over rocky land through scattering pine timber.
12.50	Edge of lake,area about 4 acres,bears N.and S.
15.50	W.edge of lake bears N.and S.
	Ascend.
39.00	Spring branch,4 lks.wide,2 ins.deep,course SE.
39.98	Set a sandstone,30x12x10 ins.,22 ins.in the ground,for $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on N.face;from which

SUBDIVISIONS OF T.3 N.,R.7 W.

CHAINS	
	A pine,24 ins.diam.,bears N.71°W.,1.17 chs.dist., marked ¼ S 10 B T.
	A pine,12 ins.diam.,bears S.14°W.,2.92 chs.dist., marked ¼ S 15 B T.
79.96	The cor.of secs.9-10-15 and 16.
	Land,mountainous.
	Soil:rocky,3rd rate.
	Timber,pine.
	Mountainous land on 79.96 chs.

N.0°02'W.,bet.secs.9 and 10..

Ascend over rocky land through scattering pine timber.

34.00	Leave timber.
40.00	East brow of ridge bears NE.and SW.
	Ascend gradually over rocky land,on top of ridge.
	Set a sandstone,18x14x8 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.
68.00	Descend.
80.00	Set a sandstone,16x8x6 ins.,11 ins.in the ground,for cor.of secs.3-4-9 and 10,marked with 5 notches on the S.and 3 notches on the E.edge;and raise a mound of stone,2 ft.base,1½ ft.high,W.of cor.
	Pits impracticable.
	Land,mountainous.
	Soil:rocky,3rd rate.
	Timber,pine.
	Mountainous land on 80.00 chs.

August 8,1904.

SUBDIVISIONS OF T.3 N.,R.7 W.

CHAINS	
	August 9:At 7h a.m.,l.m.t.,I set off 40°41'N.on the lat. arc; 15°54'N.on the decl.arc;and determine a meridian with the solar at the cor.of secs.3-4-9 and 10.
	Thence I run
	S.89°58'E.on a random line bet.secs.3 and 10.
40.00	Set temp.$\frac{1}{4}$ sec.cor.
80.15	Intersect N.and S.line,23 lks.S.of the cor.of secs. 2-3-10 and 11.
	Thence I run
	S.89°52'W.,on a true line
	bet.secs.3 and 10.
	Descend over rocky land through scattering pine timber.
7.80	Creek,30 lks.wide,10 ins.deep,in bottom of canon, 300 ft.deep,course S.
	Ascend.
40.07½	Point for $\frac{1}{4}$ sec.cor.falls on a sandstone rock in place, 2x2x2 ft.above ground;cut a cross (x) at exact cor.point for $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on N.side of cross;from which
	A pine,14 ins.diam.,bears N.20°30'W.,48 lks.dist., marked $\frac{1}{4}$ S 3 B T.
	A pine,12 ins.diam.,bears S.5°30'W.,58 lks.dist., marked $\frac{1}{4}$ S 10 B T.
50.00	Begin abrupt ascent.
66.00	Top of abrupt ascent bears N.and S.
	Ascend over top of ridge bearing N.and S.
76.00	Descend,over top of ridge.
80.15	The cor.of secs.3-4-9 and 10.
	Land,mountainous.
	Soil;rocky,3rd rate.
	Timber,pine.
	Mountainous land on 80.15 chs.

	N.0°02'W.,on a random line bet.secs.3 and 4.
40.00	Set temp.$\frac{1}{4}$ sec.cor.

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SUBDIVISIONS OF T.3 N.,R.7 W.

CHAINS	
80.15	Intersect N.bdy.of the Tp.,16 lks.W.of the cor.of secs. 3-4-33 and 34,heretofore described.
	Thence I run
	S.0°05'W.,on a true line
	bet.secs.3 and 4.
	Ascend abruptly over sandstone ledges and slide rock.
40.15	Set a sandstone,18x10x6 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.
65.00	Ascend more gradually.
	Ascend along top of mountain.
80.15	The cor.of secs.3-4-9 and 10.
	Land,mountainous.
	Soil;rocky,3rd and 4th rate.
	No timber.
	Mountainous land on 80.15 chs.
	August 9:At this cor.,I set off 15°50'N.on the decl. arc;and at 0h05m p.m.,l.m.t.,observe the sun on the meridian;the resulting lat.is 40°42'N.

	From the cor.of secs.4-5-32 &33,on the S. bdy.of Tp.which is a sandstone,14x12x6 ins.,above ground,marked and witnessed as described by Francis M.Lyman Jr.D.S.,under his contract No. 274, I run
	N.0°03'W.,bet.secs.32 and 33.
	Descend over mountainous land through heavy pine timber.
35.00	Spring branch,5 lks.wide,2 ins.deep,course SW.
40.00	Set a sandstone,20x12x3 ins.,15 ins.in the ground,for ¼ sec.cor.,marked ¼ on W.face;from which
	A pine,6 ins.diam.,bears N.63°30'E.,19 lks.dist., marked ¼ S 33 B T.
	A pine,5 ins.diam.,bears N.86°W.,11 lks.dist.,

SUBDIVISIONS OF T.3 N.,R.7 W.

CHAINS	
	marked ¼ S 32 B T.
80.00	Set a sandstone,24x14x12 ins.,18 ins.in the ground,for cor.of secs.28-29-32 and 33,marked with 1 notch on the S.and 5 notches on the E.edge;from which
	A pine,24 ins.diam.,bears N.62°30'E.,37 lks.dist., marked T 3 N R 7 W S 28 B T.
	A pine,4 ins.diam.,bears S.46°30'E.,31 lks.dist., marked T 3 N R 7 W S 33 B T.
	A pine,14 ins.diam.,bears S.49°W.,1.08 chs.dist., marked T 3 N R 7 W S 32 B T.
	A pine,14 ins.diam.,bears N.12°W.,90 lks.dist., marked T 3 N R 7 W S 29 B T.
	Land,mountainous.
	Soil:rocky,3rd rate.
	Timber,pine.
	Mountainous and heavily timbered land on 80.00 chs.
	N.89°47'E.on a random line bet.secs.28 and 33.
40.00	Set temp.¼ sec.cor.
80.23	Intersect N.and S.line,21 lks.N.of the cor.of secs. 27-28-33 and 34. .Thence I run S.89°56'W.,on a true line bet.secs.28 and 33.
	Ascend over rocky land through scattering pine timber.
10.00	Top of spur projects NE. Descend.
27.45	Set a sandstone,18x12x3 ins.,12 ins.in the ground,for witness cor.to ¼ sec.cor.,marked W C ¼ on N.face;from which
	A pine,14 ins.diam.,bears N.73°E.,1.22 chs.dist., marked ¼ S 28 B T.
	A pine,6 ins.diam.,bears S.28°E.,85 lks.dist., marked ¼ S 33 B T.
	Descend abruptly over slide rock.
40.11½	Point for ¼ sec.cor.falls on rock slide and cannot be set.
61.00	Leave abrupt descent and slide rock.
80.23	The cor.of secs.28-29-32 and 33.
	Land,mountainous.

SUBDIVISIONS OF T.3 N.,R.7 W.

CHAINS	
	Soil;rocky,3rd rate.
	Timber,pine.
	Mountainous land on 80.23 chs.
	August 9,1904.

	August 10:At 7h a.m.,l.m.t.,I set off 40°38'N.on the lat.arc;15°37'N.on the decl.arc;and determine a meridian with the solar at the cor.of secs.28-29-32 and 33.
	Thence I run
	N.0°03'W.,bet.secs.28 and 29.
	Descend over rocky land through heavy pines and aspens.
25.00	Creek,30 lks.wide,10 ins.deep,in bottom of ravine,
	200 ft.deep,course SW.
	Begin abrupt ascent .
40.00	Set a sandstone,16x8x6 ins.,11 ins.in the ground,for
	¼ sec.cor.,marked ¼ on W.face;from which
	An aspen,6 ins.diam.,bears N.85°30'E.,39 lks.dist.,
	marked ¼ S 28 B T.
	A pine,10 ins.diam.,bears S.43°W.,22 lks.dist.,
	marked ¼ S 29 B T.
70.00	Top of ridge bears N.E.and.S.W.
	Descend.
80.00	Set a sandstone,14x8x6 ins.,9 ins.in the ground,for
	cor.of secs.20-21-28 and 29,marked with 2 notches on th
	S.and 4 notches on the E.edge;from which
	A pine,8 ins.diam.,bears N.59°E.,35 lks.dist.,
	marked T 3 N R 7 W S 21 B T.
	A pine,14 ins.diam.,bears S.28°E.,21 lks.dist.,
	marked T 3 N R 7 W S 28 B T.
	A pine,10 ins.diam.,bears S.50°30'W.,36 lks.dist.,
	marked T 3 N R 7 W S 29 B T.
	A pine,12 ins.diam.,bears N.25°W.,41 lks.dist.,
	marked T 3 N R 7 W S 20 B T.
	Land,mountainous.

SUBDIVISIONS OF T.3 N.,R.7 W.

CHAINS	
	Soil;rocky,3rd rate.
	Timber,aspen and pine.
	Mountainous and heavily timbered land on 80.00 chs.

	N.89°56'E.on a random line bet.secs.21 and 28.
40.00	Set temp.¼ sec.cor.
79.94	Intersect N.and S.line,14 lks.S.of the cor.of secs. 21-22-27 and 28.
	Thence I run
	S.89°50'W.,on a true line
	bet.secs.21 and 28.
	Descend over rocky land through scattering pine timber.
7.00	Creek 30 links wide,10 ins.deep,in bottom of hollow,90 ft.deep,course S.
	Ascend.
39.97	Set a sandstone,16x8x6 ins.,11 ins.in the ground,for ¼ sec.cor.,marked ¼ on N.face;from which
	A pine,14 ins.diam.,bears N.41°E.,30 lks.dist., marked ¼ S 21 B T.
	A pine,8 ins.diam.,bears S.48°W.,32 lks.dist., marked ¼ S 28 B T.
65.00	Top of ridge bears NE.and SW.
	Descend.
79.94	The cor.of secs.20-21-28 and 29.
	Land,mountainous.
	Soil;rocky,3rd rate.
	Timber,pine.
	Mountainous land on 79.94 chs.
	August 10:At this cor.,I set off15°33'N.on the decl.arc; and at 0h 05m p.m.,l.m.t.,observe the sun on the meridian;the resulting lat.is 40°38'N.

SUBDIVISIONS OF T.3 N.,R.7 W.

CHAINS	
	N.0°03'W.,bet.secs.20 and 21.
	Descend over rocky land through heavy pine timber.
20.00	Leave timber,bearing NE.and SW.
	Ascend over slide rock.
32.00	Enter heavy timber,bearing NE.and SW.
	Leave slide rock.
40.00	Set a sandstone,16x10x6 ins.,11 ins.in the ground,for $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on W.face;from which
	A pine,14 ins.diam.,bears S.38°E.,21 lks.dist., marked $\frac{1}{4}$ S 21 B T.
	A pine,12 ins.diam.,bears N.28°W.,24 lks.dist., marked $\frac{1}{4}$ S 20 B T.
80.00	Set a sandstone,14x10x5 ins.,9 ins.in the ground, for cor.of secs.16-17-20 and 21,marked with 3 notches on the S.and 4 notches on the E.edge,from which
	A pine,10 ins.diam.,bears N.63°E.,35 lks.dist., marked T 3 N R 7 W S 16 B T.
	A pine,10 ins.diam.,bears S.42°30'E.,49 lks.dist., marked T 3 N R 7 W S 21 B T
	A pine,6 ins.diam.,bears S.41°30'W.,54 lks.dist., marked T 3 N R 7 W S 20 B T.
	A pine,5 ins.diam.,bears N.56°W.,47 lks.dist., marked T 3 N R 7 W S 17 B T.
	Land,mountainous.
	Soil;rocky,3rd rate.
	Timber,pine.
	Mountainous land and heavily timbered on 80.00 chs.

	N.89°50'E.on a random line bet.secs.16 and 21.
40.00	Set temp.$\frac{1}{4}$ sec.cor.
80.03	Intersect N.and S.line,3 lks.S.of the cor.of secs. 15-16-21 and 22.
	Thence I run
	S.89°49'W.,on a true line

SUBDIVISIONS OF T.3 N.,R.7 W.

CHAINS	
	Bet secs,16 and 21.
	Ascend over rocky land through heavy pine timber.
23.00	Top of ridge bears NE.and SW.
	Descend.
40.01½	Set a sandstone,20x10x6 ins.,15 ins.in the ground,for ¼ sec.cor.,marked ¼ on N.face;from which
	A pine,10 ins.diam.,bears N.24°E.,34 lks.dist., marked ¼ S 16 B T.
	A pine,14 ins.diam.,bears S.24°E.,15 lks.dist., marked ¼ S 21 B T.
48.00	Bottom of hollow,150 ft.deep,course NW.
	Ascend.
60.00	Top of spur projects NW.
	Descend.
80.03	The cor.of secs.16-17-20 and 21.
	Land,mountainous.
	Soil;rocky,3rd rate.
	Timber,pine.
	Mountainous and heavily timbered land on 80.03 chs.
	August 10,1904.

	August 11:At 7h a.m.,l.m.t.,I set off 40°39'N.on the lat.arc;15°19'N.on the decl.arc;and determine a meridian with the solar at the cor.of secs.16-17-20 and 21.
	Thence I run
	N.0°03'W.,bet.secs.16 and 17.
	Descend over rocky land through heavy pine timber.
9.50	Spring branch,4 lks.wide,2 ins.deep,in bottom of draw,100 ft.deep,course SW.
	Ascend.
40.00	Set a sandstone,14x12x6 ins.,9 ins.in the ground,for ¼ sec.cor.,marked ¼ on W.face;from which
	A pine,10 ins.diam.,bears N.85°E.,27 lks.dist., marked ¼ S 16 B T.

SUBDIVISIONS OF T.3 N.,R.7 W.

CHAINS	
	A pine,8 ins.diam.,bears S.89°30'W.,12 lks.dist., marked ¼ S 17 B T.
40.50	Descend.
46.00	Head of hollow,course W. Ascend.
62.00	Descend.
76.50	Creek,15 lks.wide,6 ins.deep,in bottom of hollow,150 ft.deep,course SW.
	Ascend.
80.00	Set a sandstone,16x10x8 ins.,11 ins.in the ground, for cor.of secs.8-9-16 and 17,marked with 4 notches on the S.and E.edges;from which
	A pine,10 ins.diam.,bears N.33°30'E.,24 lks.dist., marked T 3 N R 7 W S 9 B T.
	A pine,8 ins.diam.,bears S.13°E.,31 lks.dist., marked T 3 N R 7 W S 16 B T.
	A pine,10 ins.diam.,bears S.46°W.,45 lks.dist., marked T 3 N R 7 W S 17 B T.
	A pine,12 ins.diam.,bears N.75°30'W.,48 lks.dist., marked T 3 N R 7 W S 8 B T.
	Land,mountainous.
	Soil;rocky,3rd rate.
	Timber,pine.
	Mountainous and heavily timbered land on 80.00 chs.

	N.89°49'E.on a random line bet.secs.9 and 16.
40.00	Set temp.¼ sec.cor.
80.20	Intersect N.and S.line,7 lks.N.of the cor.of secs. 9-10-15 and 16.
	Thence I run
	S.89°52'W.,on a true line
	bet.secs.9 and 16.
	Ascend over mountainous land through heavy pine timber.
15.00	Top of ridge bears NE.and SW.
	Descend.

SUBDIVISIONS OF T.3 N.,R.7 W.

CHAINS	
40.10	Set a sandstone,20x10x5 ins.,15 ins.in the ground,for ¼ sec.cor.,marked ¼ on N.face;from which A pine,12 ins.diam.,bears S.45°E.,22 lks.dist., marked ¼ S 16 B T. A pine,12 ins.diam.,bears N.40°E.,15 lks.dist., marked ¼ S 9 B T.
80.20	The cor.of secs.8-9-16 and 17. Land,mountainous. Soil;rocky,3rd rate. Timber,pine. Mountainous and heavily timbered land on 80.20 chs. August 11:At this cor.,I set off 15°15'N.on the decl. arc;and at 0h 05m p.m.,l.m.t.,observe the sun on the meridian;the resulting lat.is 40°40'N.

	N.0°03'W.,bet.secs.8 and 9.
	Ascend over mountainous land through heavy pine timber.
35.00	Descend.
38.50	Creek,15 lks.wide,6 ins.deep,in bottom of hollow,150 ft.deep,course SW. Ascend.
40.00	Set a sandstone,16x10x6 ins.,11 ins.in the ground,for ¼ sec.cor.,marked ¼ on W.face;from which A pine,8 ins.diam.,bears S.51°E.,15 lks.dist., marked ¼ S 9 B T. A pine,10 ins.diam.,bears N.75°W.,35 lks.dist., marked ¼ S 8 B T.
49.00	Leave heavy timber,bearing E.and W.
80.00	Point for cor.falls on a sandstone rock in place;cut a cross (x) at exact cor.point,for cor.of secs.4-5-8 and 9,marked with 5 grooves on the S.and 4 grooves on the E.side of cross;and raise a mound of stone,2 ft.base, 1½ ft.high,W.of cor. Pits impracticable.

SUBDIVISIONS OF T.3 N.,R.7 W.

CHAINS	
	Land,mountainous.
	Soil;rocky,3rd rate.
	Timber,pine.
	Mountainous land and heavily timbered on 80.00 chs.

	N.89°52'E.on a random line bet.secs.4 and 9.
40.00	Set temp.¼ sec.cor.
80.10	Intersect N.and S.line,9 lks.N.of the cor.of secs. 3-4-9 and 10.
	Thence I run
	S.89°56'W.,on a true line
	bet.secs.4 and 9.
	Descend abruptly over slide rock and ledges.
38.00	Leave slide rock. Enter heavy pines,bearing N.and S.
40.05	Set a sandstone,18x10x8 ins.,12 ins.in the ground,for ¼ sec.cor.,marked ¼ on N.face;from which
	A pine,14 ins.diam.,bears N.20°W.,59 lks.dist., marked ¼ S 4 B T.
	A pine,14 ins.diam.,bears S.48°W.,37 lks.dist., marked ¼ S 9 B T.
50.00	Spring branch,6 lks.wide,2 ins.deep,course SW.
	Begin more gradual descent.
80.10	The cor.of secs.4-5-8 and 9.
	Land,mountainous.
	Soil;rocky,3rd rate.
	Timber,pine.
	Mountainous or heavily timbered land on 80.10 chs.

	N.0°03'W.,on a random line bet.secs.4 and 5.
40.00	Set temp.¼ sec.cor.
79.90	Intersect N.bdy.of the Tp.,5 lks.E.of the cor.of secs. 4-5-32 and 33,heretofore described.
	Thence I run
	S.0°05'E.,on a true line

SUBDIVISIONS OF T.3 N.,R.7 W.

CHAINS

Bet.secs.4 and 5.

Ascend over mountainous land through heavy pine timber.

35.00 Top of spur projects W.

Descend.

39.90 Point for ¼ sec.cor.,falls on a sandstone rock in place,3x2x1 ft.above ground;cut a cross (x) at exact cor.point,for ¼ sec.cor.,marked ¼ on W.side of cross; from which

A pine,8 ins.diam.,bears S.35°E.,22 lks.dist., marked ¼ S 4 B T.

A pine,8 ins.diam.,bears N.70°W.,9 lks.dist., marked ¼ S 5 B T.

79.90 The cor.of secs.4-5-8 and 9.

Land,mountainous.

Soil;rocky,3rd rate.

Timber,pine.

Mountainous and heavily timbered land on 79.90 chs.

August 11,1904.

August 12:At 7h a.m.,l.m.t.,I set off 40°37'N.on the lat.arc;15°02'N.on the decl.arc;and determine a meridian with the solar at the cor.of secs.5-6-31 and 32,which is a sandstone 18x6x4 ins.above ground,marked as described by Francis M.Lyman,Jr.,D.S.,under his cont.,No.274.on S. Bdy. of Tp. Thence I run

N.0°04'W.,bet.secs.31 and 32.

Descend gradually over rocky land through heavy pine timber.

40.00 Set a sandstone,18x10x4 ins.,12 ins.in the ground,for ¼ sec.cor.,marked ¼ on W.face;from which

A pine,8 ins.diam.,bears N.69°E.,30 lks.dist., marked ¼ S 32 B T.

A pine,10 ins.diam.,bears S.50°W.,6 lks.dist., marked ¼ S 31 B T.

SUBDIVISIONS OF T.3 N.,R.7 W.

CHAINS	
80.00	Set a sandstone,16x10x3 ins.,11 ins.in the ground,for cor.of secs.29-30-31 and 32,marked with 1 notch on the S.and 5 notches on the E.edge;from which A pine,14 ins.diam.,bears N.19°30'E.,1.20 chs.dist., marked T 3 N R 7 W S 29 B T. A pine,14 ins.diam.,bears S.58°15'E.,25 lks.dist., marked T 3 N R 7 W S 32 B T. A pine,10 ins.diam.,bears S.35°30'W.,43 lks.dist., marked T 3 N R 7 W S 31 B T. A pine,10 ins.diam.,bears N.59°30'W.,49 lks.dist., marked T 3 N R 7 W S 30 B T.
	Land,mountainous.
	Soil;rocky,3rd rate.
	Timber,pine.
	Mountainous and heavily timbered land on 80.00 chs.

	N.89°47'E.on a random line bet.secs.29 and 32.
40.00	Set temp.¼ sec.cor.
80.30	Intersect N.and S.line,5 lks.N.of the cor.of secs. 28-29-32 and 33.
	Thence I run S.89°49'W.,on a true line bet.secs.29 and 32.
	Descend over slide rock and scattering pine timber.
6.70	Creek 30 lks.wide.10 ins.deep,in bottom of ravine [illegible] deep,course S.
	Begin abrupt ascent through heavy pine timber,bearing N.and S.
35.00	Top of ridge bears NE.and SW. Descend gradually.
40.15	Set a sandstone,20x10x8 ins.,18 ins.in the ground,for ¼ sec.cor.,marked ¼ on N.face;from which A pine,10 ins.diam.,bears N.26°00'E.,36 lks.dist., marked ¼ S 29 B T. A pine,4 ins.diam.,bears S.60°E.,31 lks.dist.,

SUBDIVISIONS OF T.3 N.,R.7 W.

CHAINS	
	marked ¼ S 32 B T.
68.00	Bottom of Rock Creek Canon,500 ft.deep,course S.
	Rock Creek,50 lks.wide,18 ins.deep,course S.
	Begin ascent.
80.30	The cor.of secs.29-30-31 and 32.
	Land,mountainous.
	Soil;rocky,3rd rate.
	Timber,pine.
	Mountainous or heavily timbered land on 80.30 chs.
	August 12:At this cor.,I set off 14°57'N.on the decl. arc;and at 0h 05m p.m.,l.m.t.,observe the sun on the meridian;the resulting lat.is 40°38'N.

	S.89°47'W.on a random line bet.secs.30 and 31.
40.00	Set temp.¼ sec.cor.
78.80	Intersect W.bdy.of the Tp.,16 lks.S.of the cor.of secs. 25-30-31 and 36,heretofore described.
	Thence I run
	N.89°54'E.,on a true line
	bet.secs.30 and 31.
	Ascend over mountainous land through heavy pine timber.
21.00	Top of ridge bears N.and S.
	Descend.
38.80	Top of abruptdescent bears N.and S.
	Descend abruptly .
	Set a sandstone,16x10x8 ins.,11 ins.in the ground,for ¼ sec.cor.,marked ¼ on N.face;from which
	A pine,12 ins.diam.,bears N.2°E.,23 lks.dist., marked ¼ S 30 B T.
	A pine,12 ins.diam.,bears S.37°W.,18 lks.dist., marked ¼ S 31 B T.
78.80	The cor.of secs.29-30-31 and 32.
	Land,mountainous.
	Soil;rocky,3rd rate.

SUBDIVISIONS OF T.3 N.,R.7 W.

CHAINS	
	Timber,pine.
	Mountainous and heavily timbered land on 78.80 chs.

	N.0°04'W.,bet.secs.29 and 30.
	Ascend over rocky land through heavy pines & aspens.
40.00	Set a sandstone,18x12x6 ins.,12 ins.in the ground,for. ¼ sec.cor.,marked ¼ on W.face;from which
	An aspen,6 ins.diam.,bears N.52°30'E.,22 lks.dist., marked ¼ S 29 B T.
	A pine,18 ins.diam.,bears N.47°W.,45 lks.dist., marked ¼ S 30 B T.
40.30	Spring branch,2 lks.wide,2 ins.deep,course SE.
43.75	Spring branch,3 lks.wide,2 ins.deep,course SE.
80.00	Point for cor.falls on a sandstone rock in place;12x5x3 ft.above ground;cut a cross (x) at exact cor.point,for cor.of secs.19-20-29 and 30,marked with 2 notches on the S.and 5 notches on the E.side of cross;from which
	A pine,14 ins.diam.,bears N.55°30'E.,59 lks.dist., marked T 3 N R 7 W S 20 B T.
	A pine,10 ins.diam.,bears S.5°E.,6 lks.dist., marked T 3 N R 7 W S 29 B T.
	A pine,2 ins.diam.,bears S.77°W.,70 lks.dist., marked T 3 N R 7 W S 30 B T.
	A pine,10 ins.diam.,bears N.22°30'W.,13 lks.dist., marked T 3 N R 7 W S 19 B T.
	Land,mountainous.
	Soil;rocky,3rd rate.
	Timber,aspen and pine.
	Mountainous and heavily timbered land on 80.00 chs.
	August 12,1904.

	August 13:At 7h a.m.,l.m.t.,I set off 40°38'N.on the lat.arc;14°44'N.on the decl.arc;and determine a meridian with the solar at the cor.of secs.19-20-29 and 30.

BOOK A-330

(41)

SUBDIVISIONS OF T.3 N.,R.7 W.

CHAINS	
	N.89°49'E.on a random line bet.secs.20 and 29.
40.00	Set temp.¼ sec.cor.
80.16	Intersect N.and S.line,7 lks.N.of the cor.of secs. 20-21-28 and 29.
	Thence I run
	S.89°52'W.,on a true line
	bet.secs.20 and 29.
	Descend over mountainous land through heavy pine timber.
40.08	Set a sandstone,14x8x6 ins.,9 ins.in the ground,for ¼ sec.cor.,marked ¼ on N.face;from which
	A pine,06 ins.diam.,bears N.11°30'E.,21 lks.dist., marked ¼ S 20 B T.
	A pine,6 ins.diam.,bears S.34°W.,10 lks.dist., marked ¼ S 29 B T.
47.50	Begin abrupt descent.
55.00	Rock Creek,50 lks.wide,18 ins.deep,in bottom of Rock Creek Canon,500 ft.deep,course S.
	Begin gradual ascent.
62.00	Begin abrupt ascent.
80.16	The cor.of secs.19-20-29 and 30.
	Land,mountainous.
	Soil:rocky,3rd rate.
	Timber,pine.
	Mountainous and heavily timbered land on 80.16 chs.

	S.89°54'W.,on a random line bet.secs.19 and 30.
40.00	Set temp.¼ sec.cor.
78.69	Intersect W.bdy.of the Tp.,7 lks.S.of the cor.of secs. 19-24-25 and 30,heretofore described.
	Thence I run
	N.89°57'E.,on a true line
	bet.secs.19 and 30.
	Descend over mountainous land through heavy pine timber.
38.69	Set a sandstone,18x10x5 ins.,12 ins.in the ground,for

SUBDIVISIONS OF T.3 N.,R.7 W.

CHAINS	
	¼ sec.cor.,marked ¼ on N.face;from which
	A pine,10 ins.diam.,bears N.67°W.,18 lks.dist.,
	marked ¼ S 19 B T.
	A pine,12 ins.diam.,bears S.18°W.,26 lks.dist.,
	marked ¼ S 30 B T.
78.69	The cor.of secs.19-20-29 and 30.
	Land,mountainous.
	Soil;rocky,3rd rate.
	Timber,pine.
	Mountainous and heavily timbered land on 78.69 chs.
	August 13:At this cor.,I set off 14°39'N.on the decl.
	arc;and at 0h 05m p.m.,l.m.t.,observe the sun on the
	meridian;the resulting lat.is 40°39'N.

	N.0°04'W.,bet.secs.19 and 20.
	Ascend over mountainous land through heavy pine timber.
40.00	Set a sandstone,16x12x6 ins.,11 ins.in the ground,for
	¼ sec.cor.,marked ¼ on W.face;from which
	A pine,6 ins.diam.,bears N.59°E.,15 lks.dist.,
	marked ¼ S 20 B T.
	A pine,8 ins.diam.,bears S.80°W.,7 lks.dist.,
	marked ¼ S 19 B T.
41.00	Descend.
55.00	Spring branch,10lks.wide,5 ins.deep,course SE.
77.00	Begin abrupt descent.
80.00	Set a sandstone,16x8x5 ins.,11 ins.in the ground,for
	cor.of secs.17-18-19 and 20,marked with 3 notches on the
	S.and 5 notches on the E.edge;from which
	A pine,24 ins.diam.,bears N.48°E.,20 lks.dist.,
	marked T 3 N R 7 W S 17 B T.
	A pine,30 ins.diam.,bears S.48°E.,10 lks.dist.,
	marked T 3 N R 7 W S 20 B T.
	A pine,6 ins.diam. bears S.84°W.,30 lks.dist.,
	marked T 3 N R 7 W S 19 B T.

SUBDIVISIONS OF T.3 N.,R.7 W.

CHAINS	
	A pine,20 ins.diam.,bears N.43°30'W.,39 lks.dist., marked T 3 N R 7 W S 18 B T.
	Land,mountainous.
	Soil;rocky,3rd rate.
	Timber,pine.
	Mountainous and heavily timbered land on 80.00 chs.

	N.89°52'E.on a random line bet.secs.17 and 20.
40.00	Set temp.¼ sec.cor.
80.20	Intersect N.and S.line,5 lks.S.of the cor.of secs. 16-17-20 and 21.
	Thence I run
	S.89°50'W.,on a true line bet.secs.17 and 20.
	Descend over mountainous land through heavy pine timber.
40.10	Set a sandstone,16x10x6 ins.,11 ins.in the ground,for ¼ sec.cor.,marked ¼ on N.face;from which
	A pine,12 ins.diam.,bears N.6°30'E.,14 lks.dist., marked ¼ S 17 B T.
	A pine,7 ins.diam.,bears S.33°30'W.,14 lks.dist., marked ¼ S 20 B T.
50.25	Spring branch,5 lks.wide,2 ins.deep,course SW.
51.50	Rock Creek,50 lks.wide,15 ins.deep,in bottom of Rock Creek Canon,500 ft.deep,course S.
	Ascend.
62.00	Descend.
66.00	Creek,10 lks.wide,4 ins.deep,in bottom of hollow,100 ft.deep,course SE.
	Begin abrupt ascent.
80.20	The cor.of secs.17-18-19 and 20.
	Land,mountainous.
	Soil;rocky,3rd rate.
	Timber,pine.
	Mountainous and heavily timbered land on 80.20 chs.
	August 13,1904.

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SUBDIVISIONS OF T.3 N.,R.7 W.

CHAINS	
	August 14:At 7h a.m.,l.m.t.,I set off 40°39'N.on the lat. arc;14°25'N.on the decl.arc;and determine a meridian with the solar at the cor.of secs.17-18-19 and 20.
	Thence I run
	S,89°57'W.,on a random line bet.secs.18 and 19.
40.00	Set temp.¼ sec.cor.
78.50	Intersect W.bdy.of the Tp.,7 lks.S.of the cor.of secs. 13-18-19 and 24,heretofore described.
	Thence I run
	East on a true line.
	bet.secs.18 and 19.
	Descend along S.slope of ridge,through heavy pine timber.
10.00	Begin abrupt descent over sandstone ledges,bearing NE.and SW.
38.50	Set a sandstone,18x10x8 ins.,12 ins.in the ground,for ¼ sec.cor.,marked ¼ on N.face;from which
	A pine,6 ins.diam.,bears North,26 lks.dist.,
	marked ¼ S 18 B T.
	A pine,12 ins.diam.,bears S.44°W.,52 lks.dist.,
	marked ¼ S 19 B T.
60.00	Bottom of draw,200 ft.deep,course SE.
	Spring branch,4 lks.wide,2 ins.deep,course SE.
	Begin abrupt ascent.
62.00	Top of spur projects SE.
	Descend abruptly.
78.50	The cor.of secs.17-18-19 and 20.
	Land,mountainous.
	Soil;rocky,3rd rate.
	Timber,pine.
	Mountainous and heavily timbered land on 78.50 chs.

N.0°04'W.,bet.secs.17 and 18.

Descend over mountainous land through heavy pine timber.

SUBDIVISIONS OF T.3 N.,R.7 W.

CHAINS	
4.50	Creek,10 lks.wide,4 ins.deep,in bottom of hollow,100 ft.deep,course east.
	Ascend.
21.50	Descend.
30.00	Creek,10 lks.wide,5 ins.deep,in bottom of hollow,100 ft.deep,course SE.
	Ascend.
40.00	Set a sandstone,15x10x8 ins.,10 ins.in the ground,for ¼ sec.cor.,marked ¼ on W.face;from which
	A pine,10 ins.diam.,bears S.44°E.,18 lks.dist., marked ¼ S 17 B T.
	A pine,10 ins.diam.,bears N.60°W.,35 lks.dist., marked ¼ S 18 B T.
44.00	Descend.
49.20	Creek,8 lks.wide,4 ins.deep,in bottom of hollow,100 ft.deep,course SE.
	Ascend.
80.00	Set a sandstone,16x12x8 ins.,11 ins.in the ground,for cor.of secc.7-8-17 and 18,marked with 4 notches on the S.and 5 notches on the E.edge;from which
	A pine,12 ins.diam.,bears N.40°E.,25 lks.dist., marked T 3 N R 7 W S 8 B T.
	A pine,20 ins.diam.,bears S.57°E.,31 lks.dist., marked T 3 N R 7 W S 17 B T.
	A pine,12 ins.diam.,bears S.59°W.,23 lks.dist., marked T 3 N R 7 W S 18 B T.
	A pine,12 ins.diam.,bears N.40°W.,41 lks.dist., marked T 3 N R 7 W S 7 B T.
	Land,mountainous.
	Soil;rocky,3rd rate.
	Timber,pine.
	Mountainous and heavily timbered land on 80.00 chs.
	August 14:At this cor.,I set off 14°20'N.on the decl.arc; and at 0h 05m p.m.,l.m.t.,observe the sun on the

SUBDIVISIONS OF T.3 N.,R.7 W.

CHAINS	
	meridian;the resulting lat.is 40°40'N.
	N.89°50'E.on a random line bet.secs.8 and 17.
40.00	Set temp.¼ sec.cor.
80.25	Intersect N.and S.line,28 lks.N.of the cor.of secs. 8-9-16 and 17.
	Thence I run N.89°58'W.,on a true line bet.secs.8 and 17.
	Descend abruptly over rocky land through heavy pine timber.
38.00	Creek,15 lks.wide,5 ins.deep,at mouth of hollow,course SW.,600 ft.below sec.cor.
	Leave heavy timber,and enter scattering pine timber. Descend gradually.
40.12½	Set a sandstone,18x10x5 ins.,12 ins.in the ground,for ¼ sec.cor.,marked ¼ on N.face;from which A pine,12 ins.diam.,bears N.19°W.,42 lks.dist., marked ¼ S 8 B T. A pine,10 ins.diam.,bears S.60°E.,28 lks.dist., marked ¼ S 17 B T.
	Enter heavy pine timber,bearing N.and S.
47.50	Top of perpendicular sandstone ledge bears N.and S. Enter canon.
48.00	Rock Creek,50 lks.wide,12 ins.deep,in bottom of Rock Creek Canon,500 ft.deep,course S. Begin abrupt ascent.
80.25	The cor.of secs.7-8-17 and 18. Land,mountainous. Soil;rocky,3rd rate. Timber,pine. Mountainous or heavily timbered land on 80.25 chs.

SUBDIVISIONS OF T.3 N.,R.7 W.

CHAINS	
	West on a random line bet.secs.7 and 18.
40.00	Set temp.$\frac{1}{4}$ sec.cor.
78.37	Intersect W.bdy.of the Tp.,23 lks.N.of the cor.of secs. 7-12-13 and 18,heretofore described.
	Thence I run
	N.89°50'E.,on a true line
	bet.secs.7 and 18.
	Descend over mountainous land through heavy pine timber.
14.50	Spring branch,4 lks.wide,2 ins.deep,in bottom of draw, 100 ft.deep,course SE.
	Ascend.
26.00	Top of spur projects S.
	Descend.
38.37	Set a sandstone,20x10x4 ins.,15 ins.in the ground, for $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on N.face;from which
	A pine,12 ins.diam.,bears N.31°W.,22 lks.dist., marked $\frac{1}{4}$ S 7 B T.
	A pine,10 ins.diam.,bears S.42°W.,11 lks.dist., marked $\frac{1}{4}$ S 18 B T.
39.00	Bottom of hollow,100 ft.deep,course SW.
	Ascend.
56.50	Top of spur projects SE.
	Descend.
59.50	Spring branch,4 lks.wide,2 ins.deep,in bottom of hollow, 75 ft.deep,course S.
	Ascend.
65.00	Top of spur projects S.
	Descend.
78.37	The cor.of secs.7-8-17 and 18.
	Land,mountainous.
	Soil;rocky,3rd rate.
	Timber,pine.
	Mountainous land and heavily timbered on 78.37 chs.
	August 14,1904.

SUBDIVISIONS OF T.3 N.,R.7 W.

CHAINS	
	August 15:At 7h a.m.,l.m.t.,I set off40°40'N.on the lat. arc;14°07'N.on the decl.arc;and determine a meridian with the solar at the cor.of secs.7-8-17 and 18.
	Thence I run
	N.0°04'W.,bet.secs.7 and 8.
	Ascend over mountainous land through heavy pine timber.
35.00	Top of spur projects E.
	Descend.abruptly.
40.00	Set a sandstone,17x8x4 ins.,11 ins.in the ground,for ¼ sec.cor.,marked ¼ on W.face;from which
	A pine,8 ins.diam.,bears N.75°E.,26 lks.dist., marked ¼ S 8 B T.
	A pine,8 ins.diam.,bears S.56°30'W.,10 lks.dist., marked ¼ S 7 B T.
45.00	Hollow drains E. Ascend gradually.
80.00	Set a sandstone,18x12x4 ins.,12 ins.in the ground,for cor.of secs.5-6-7 and 8,marked with 5 notches on the S. and E.edges;from which
	A pine,12 ins.diam.,bears N.45°E.,43 lks.dist., marked T 3 N R 7 W S 5 B T.
	A pine,8 ins.diam.,bears S.46°E.,38 lks.dist., marked T 3 N R 7 W S 8 B T.
	A pine,8 ins.diam.,bears S.26°W.,13 lks.dist., marked T 3 N R 7 W S 7 B T.
	A pine,8 ins.diam.,bears N.43°W.,23 lks.dist., marked T 3 N R 7 W S 6 B T.
	Land,mountainous.
	Soil;rocky,3rd rate.
	Timber,pine.
	Mountainous and heavily timbered land on 80.00 chs.

SUBDIVISIONS OF T.3 N.,R.7 W.

CHAINS	
	S.89°58'E.on a random line bet.secs.5 and 8.
40.00	Set temp.¼ sec.cor.
80.10	Intersect N.and S.line,14 lks.S.of the cor.of secs. 4-5-8 and 9.
	Thence I run
	S.89°56'W.,on a true line bet.secs.5 and 8.
	Descend over mountainous land through heavy pine timber.
29.00	East Fork of Rock Creek,20 lks.wide 6 ins.deep,in bottom of canon,400 ft.deep.
	Begin abrupt ascent.
40.05	Top of ridge bears N.and S.
	Set a sandstone,18x12x7 ins.,12 ins.in the ground,for ¼ sec.cor.,marked ¼ on N.face;from which
	A pine,8 ins.diam.,bears N.30°15'E.,27 lks.dist., marked ¼ S 5 B T.
	A pine,12 ins.diam.,bears S.69°E.,28 lks.dist., marked ¼ S 8 B T. Descend abruptly.
69.00	Rock Creek,40 lks.wide,12 ins.deep,in bottom of Rock Creek,Canon,500 ft.deep,course SE.
	Begin abrupt ascent.
80.10	The cor.of secs.5-6-7 and 8.
	Land,mountainous.
	Soil;rocky,3rd rate.
	Timber,pine.
	Mountainous land and heavily timbered on 80.10 chs.
	August 15:At this cor.,I set off 14°2'N.on the decl.arc; and at 0h 04m p.m.,l.m.t.,observe the sun on the meridian ;the resulting lat.is 40°41'N.

	S.89°50'W.on a random line bet.secs.6 and 7.
40.00	Set temp.¼ sec.cor.
78.40	Intersect W.bdy.of the Tp.,9 lks.S.of the cor.of secs. 1-6-7 and 12,heretofore described.
	Thence I run

SUBDIVISIONS OF T.3 N.,R.7 W.

CHAINS	
	N.89°54'E.,on a true line
	bet.secs.6 and 7.
	Descend over mountainous land over bench land.
15.00	Enter heavy pine timber,bearing N.and S.
30.50	Begin abrupt descent,from the bench,bearing N.and S.
33.50	Begin more gradual descent.
38.40	Point for ¼ sec.cor.falls on a sandstone rock in place; 4x4x1 ft.above ground;cut a cross (x) at exact cor.point for ¼ sec.cor.,marked ¼ on N.side of cross;from which
	A pine,20 ins.diam.,bears N.5°W.,36 lks.dist., marked ¼ S 6 B T.
	A pine,20 ins.diam.,bears S.24°W.,13 lks.dist., marked ¼ S 7 B T.
78.40	The cor.of secs.5-6-7 and 8.
	Land,mountainous.
	Soil;rocky,3rd rate.
	Timber,pine.
	Mountainous or heavily timbered land on 78.40 chs.

	N.0°04'W.,on a random line bet.secs.5 and 6.
40.00	Set temp.¼ sec.cor.
79.70	Intersect N.bdy.of the Tp.,12 lks.W.of the cor.of secs. 5-6-31 and 32,heretofore described.
	Thence I run
	S.0°01'W.,on a true line
	bet.secs.5 and 6.
	Descend over mountainous land through heavy pine timber.
32.50	Rock Creek,35 lks.wide,12 ins.deep,in bottom of Rock Creek Canon,500 ft.deep,course SE.
	Begin abrupt ascent.
39.70	Point for ¼ sec.cor.,falls on a sandstone rock in place, 24x24x6 ins.above ground;cut a cross (x)at exact cor. point,for ¼ sec.cor.,marked ¼ on W.side of cross; from which

SUBDIVISIONS OF T.3 N.,R.7 W.

CHAINS.

A pine,10 ins.diam.,bears N.69°E.,27 lks.dist., marked ¼ S 5 B T.

A pine,12 ins.diam.,bears West,31 lks.dist., marked ¼ S 6 B T.

79.70 The cor.of secs.5-6-7 and 8.

Land,mountainous.

Soil;rocky,3rd rate.

Timber,pine.

Mountainous and heavily timbered land on 79.70 chs.

August 15,1904.

GENERAL DESCRIPTION.

This township is mountainous throughout,the principal water drainage being that of Rock Creek and its tributary creeks and spring branches. Rock Creek Canon is about 500 ft.deep,passing through the western part of the Tp.

The formation is almost wholly sandstone.

There is abundant water in all parts of the township; along the courses and on the lower ridges and spurs, there is a heavy growth of pine timber.

There is sufficient growth of grass for grazing purposes to a limited extent.

There are no settlers in this township.

There is no mineral found in this township.

Washington Jenkins,

US Deputy Surveyor.

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BOOK A-330

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by Washington Jenkins, 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 N., R. 7 W. of Uintah Special Base and Meridian Utah, showing the respective capacities in which they acted:

E Hull, Chainman.
A W Criss, Chainman.
Henry Cliff, Moundman.
, Moundman.
Joseph Turner, Axman.
, Axman.
Alvin Johnston, Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted Washington Jenkins, United States Deputy Surveyor, in surveying all or parts or portions of the subdivisions of T. 2 N., R. 7 W., of the Uintah special Base and meridian, in state of Utah, 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 Utah.

E Hull, Chainman.
A W Criss, Chainman.
Henry Cliff, Moundman.
, Moundman.
Joseph Turner, Axman.
, Axman.
Alvin Johnston, Flagman.

Subscribed and sworn to before me this 15 day of August, 1904.

SEAL

Washington Jenkins
U.S. Deputy Surveyor

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FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, Washington Jenkins, a United States Deputy Surveyor, solemnly swear that, in pursuance of a contract received from Edward D. Anders United States Surveyor General for Utah, bearing date of 23d day of September, 1903, I have well, faithfully, and truly, in my o proper person, and in strict conformity with the instructions furnished by the United States Surve General for Utah, the Manual of Surveying Instructions, and the laws of United States, surveyed all those parts or portions of Subdivisions of T. 3 N., R. 7 W., of the Uinta Special Base and Meridian, in the State of Utah, which are represented in foregoing field notes as having been surveyed by me, and under my direction; and I do further solem swear that all the corners of said survey have been established and perpetuated in strict accordance the Manual of Surveying Instructions, and the special written instructions of the United States Surve General for Utah and in the specific manner described in the field notes, and t the foregoing are the original field notes of such survey; and should any fraud be detected, I will su the penalty of perjury under the provisions of an Act of Congress approved August 8, 1846.

Washington Jenkins.
United States Deputy Survey

Subscribed by said Washington Jenkins, and sworn to before me this 12th day of December, 1904

SEAL

Edward D. Anders
U. S. Surveyor-Gene
for Utah

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL.

Salt Lake City, Utah December 20, 1904

The foregoing field notes of the survey of the Subdivisional lines of Township 3 North Range 7 West, of the Uintah Special Base and Meridian, Utah

executed by Washington Jenkins
under his contract No. 275, dated September 23, 1903, having b critically examined, and the necessary corrections and explanations made, the said field notes, and surveys they describe, are hereby approved.

Edward D. Anders.
United States Surveyor

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

_____
United States Surveyor Gen...

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BOOK A-330

FILED
SEP 11 1905

Corrective FIELD NOTES

OF THE SURVEY OF THE

Subdivisions of
Township No. 3 North,
Range No. 7 West

Of the Uintah Special Base and Meridian,
in the state of Utah

AS SURVEYED BY

Ellis E. Brashears, Compassman for Washington Jenkins United States Deputy Surveyor,

under his Contract No. 275 dated September 23, 1903

Survey commenced August 27th, 1905

Survey completed August 28th, 1905

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with the solar by a cross

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NAMES AND DUTIES OF ASSISTANTS.

J. R. O'Leary	Chainman
D. S. Murdock	"
J. D. Clyde	Roundsman
C. W. Hickens	Axeman
Alvin Johnston	Flagman

BOOK A-330

INDEX DIAGRAM.

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Meanders Page.....

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such the solar by a cross

PRELIMINARY OATHS OF ASSISTANTS.

We, [illegible] and [illegible] Murdock 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; 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 [illegible] Subdivisions of T. 3 N., Range 7 W., of Uintah Special Base and Meridian Utah

F. R. O'Leary, Chain.

[illegible] Murdock, Chainm

Subscribed and sworn to before me this 19th day of August, 1905.

SEAL

Ollice E. Brashear
Compassman for Washington Ken[illegible]
U. S. Deputy Surveyor

We, [illegible] Clyde and [illegible] do solemnly swear that we will well and truly perform the duties of moundman in the establishment of corners, according to the instructions given me, to the best of my skill and ability, in the [illegible] Subdivisions of T. 3 N., R. 7 W. of Uintah Special Base & Meridian

J. D. Clyde, Moundm.

[illegible], Moundm

Subscribed and sworn to before me this 19th day of August, 1905.

SEAL

Ollice E. Brashear
Compassman for Washington Ken[illegible]
U. S. Deputy Surveyor

We, C. W. Hicken and [illegible] do solemnly swear that we will well and truly perform the duties of axman in the establishment of corners and other duties, according to instructions given me, to the best of my skill and ability, in the [illegible] Subdivisions of T. 3 N., R. 7 W., of the Uintah Special Base and Meridian Utah.

C. W. Hicken, Axm

Subscribed and sworn to before me this 19th day of August, 1905.

SEAL

Ollice E. Brashear
Compassman for Washington Ken[illegible]
U. S. Deputy Surveyor

[illegible] do solemnly swear that I will well and t[illegible] according to instructions given me, to the best of my skill and ability, in [illegible] Subdivisions of T. 3 N., R. 7 W. of Uint[illegible] Special Base and Meridian Utah

[illegible] Johnston, Flagm

Subscribed and sworn to before me this 19th day of August, 1905.

SEAL

Ollice E. Brashear
Compassman for Washington Ken[illegible]
U. S. Deputy Surveyor

Correction Notes of Subdivisions of T. 3 N., R. 7 W.

Chains.

Survey commenced August 29, 1905, and executed with instrument described in book 1 of this survey.

At the cor. of secs. 13, 14, 23 and 24, heretofore described in original field notes, latitude 40° 39' N., longitude 110° 46' W.; I set off 40° 39' N. on lat. arc; 10° 06' E. on dec. arc; and at 4 h. 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 9 h. 7 m. p. m. l. m. t., observed Polaris at eastern elongation in accordance with Manual of Instructions, and mark a point on the line thus determined on a peg driven in the ground 5 chs. N. of my station.

August 29, 1905.

August 28; At 6 h. a. m. I lay off the azimuth of Polaris 10° E. to the west and mark the meridian thus determined by cutting a small groove in the stone set yesterday, on which the meridian falls 0.4 ins. east of the mark determined by the solar.

At 7 h. a. m., l. m. t., I set off 40° 39' N. on lat. arc; 9° 52' E. on dec. arc; and mark a point in the meridian determined with the solar by a cross

Correction Notes of Subdivisions of T. 3 N., R. 7 W.

Chains.	
	on the stone already set 5 chs. N. of my station; this mark falls 0.2 ins. east of the meridian established by the Polaris observation. The solar apparatus, by p.m. and a.m. observations, defines positions for meridians respectively about 0'21" west and 0'16" east of the meridians established by the Polaris observation. Therefore I conclude that the adjustments of the instrument are satisfactory. The magnetic bearing of the true meridian at 4 h. 30 m a.m. is N. 16°30' W.; the angle thus determined gives the magnetic declination 16°30' E.
	From the sec. cor., already described I run N 89°53' E. on random line bet secs. 13 and 24.
78.00	Witness cor. to 1/4 sec. cor., bet secs. 13 and 24, heretofore described in original notes, on line.
80.06	Intersect E. bdy. of T. 78 lks. N. of cor. of secs. 13, 18, 19 and 24, which is a sandstone, 10 x 5 x 5 ins., above ground, marked and witnessed as described by Deputy Francis M Lyman Jr., under his Cont. No. 294. Point for original cor., of secs. 13, 18, 19 and 24 bears S 80° 19' W., 2.08 chs. dist. This cor. was destroyed by Deputy Francis M Lyman Jr.

Corrective Notes of Subdivisions of T 3 N., R 7 W.

Chains	
	Thence I run N 89°55' W., on true line bet. secs. 13 and 24.
51.91	Set sandstone 18×12×10 ins., 12 ins. in the ground for witness cor. to 1/4 sec. cor., marked W.C. 1/4 on N. face; and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, N. of cor. Pits impracticable. destroy all traces of old witness cor.
80.06	Cor. of secs. 13, 14, 23 and 24. No change in topography on this line.
	From cor. of secs. 11, 12, 13 and 14, heretofore described in original notes, I run N. 89°58' E. on random line bet secs. 12 and 13.
40.02	1/4 sec. cor., bet. secs. 12 and 13, heretofore described in original notes on line
80.10	Intersect E. bdy of Tp., 18 lks. N. of cor. of secs. 7, 12, 13 and 18, which is a sandstone, 10×5×5 ins. above ground marked and witnessed as described by Deputy Francis M Lyman Jr., under his Cont. Ty 4. Point for original cor. of secs. 7, 12, 13 and 18 bears. S 71°03' W 2.31 chs. dist. This cor. was destroyed by Deputy Francis M Lyman Jr., Thence I run N 89°54' W. on true line bet. secs. 12 and 13.
40.05	Set 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 1 1/2 ft. high, N. of Cor. Pits impracticable.

Corrective Notes of Subdivisions of T. 3 N., R. 7 W.

Chains	
80.10	I destroy all traces of old cor. Cor. of secs. 11, 12, 13 and 14. No change in topography on this line. August 28: at this cor., I set off 9° 47' N. on dud. arc; and at 8h 1m., p. m., l. m. t., observe sun on the meridian; the resulting lat. is 40° 40' N.
	From cor. of secs. 1, 2, 11 and 12, heretofore described in original notes. I run E. on random line bet. secs. 1 and 12.
39.96	The 1/4 sec. cor., bet. secs. 1 and 12 heretofore described in original notes on line.
79.96	Intersect E. bdy. of T. 4 N., 26 lks. N. of cor. of secs. 1, 6, 7 and 12, which is a sandstone, 12 x 5 x 6 ins. above ground, marked and witnessed as described by Deputy Francis M. Lyman Jr., under his Cont. No. 274. Point for original cor. of secs. 1, 6, 7 and 12, bears S° 62° 30' W., 2.43 chs. dist. This cor. was destroyed by Francis M. Lyman Jr. I run due N 89° 49' W. on true line bet. secs. 1 and 12.
39.98	Set sandstone 16 x 8 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. I destroy all traces of old cor.

Correction Notes of Subdivisions of T. 3 N., R. 7 W.

Chains	
79.96	The cor. of secs. 1, 2, 11 and 12. No change in topography on this line.

August 28, 1905.

Allice E. Brashears
Congressman for Washington Territory
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 Ollice E. Brashears Compassman for Washington Jenkins, 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~~ corrective survey of Subdivisions of T. 3 N., R. 7 W., of Uintah Special Base and Meridian, showing the respective capacities in which they acted:

F. R. O'Leary, Chainman.
D. S. Murdock, Chainman.
J. D. Clyde, Moundman.
, Moundman.
C. W. Hickens, Axman.
, Axman.
Alvin Johnston, Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted Ollice E. Brashears Compassman for Washington Jenkins, United States Deputy Surveyor, in ~~surveying~~ all those parts or portions of the Subdivisions of T. 3 N., R. 7 W., of the Uintah Special Base and Meridian, in state of Utah, which are represented in the foregoing field notes as having been surveyed by him and under his direction; and that said corrective 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.

F. R. O'Leary, Chainman.
D. S. Murdock, Chainman.
J. D. Clyde, Moundman.
, Moundman.
C. W. Hickens, Axman.
, Axman.
Alvin Johnston, Flagman.

Subscribed and sworn to before me this 28th day of August, 1905.

SEAL

Ollice E. Brashears
Compassman for Washington Jenkins
U. S. Deputy Surveyor

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BOOK A-330

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR

[illegible] United States Deputy Surveyor [illegible] solemnly swear that, in pursuance of a contract [illegible] Edward H. Anderson [illegible] United States Surveyor General for [illegible] bearing date [illegible] 23 day of September, 1905, I have well, faithfully, and truly, in my [illegible] proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for Utah, the Manual of Surveying Instructions, and the laws of the United States, executed all those parts of the [illegible] of [illegible]

[illegible] of the [illegible] of the [illegible] Special Party [illegible] in the state of Utah, which are represented in the foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly swear that all the portions of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for Utah and in the specific manner described in the field notes, and the foregoing are the original field notes of such survey.

[illegible] Deputy Surveyor

Subscribed to said [illegible] and sworn to before me this 15th day of September, 1905.

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

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL.

[illegible] September 23, 19[illegible]

The foregoing field notes of the survey of [illegible] of [illegible] Special Party [illegible] United States [illegible]

[illegible] Special Party [illegible] for [illegible] under the contract No. [illegible] dated September 23, 1905, having [illegible] and the necessary corrections and explanations made, the said field notes [illegible] are hereby approved.

Edward H. Anderson
United States Surveyor General

I certify that the foregoing transcript of the field notes of the above-described survey is [illegible] has been correctly copied from the original notes on file in this office.

United States Surveyor General

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BOOK A-330

FILED

OCT 31 1904

FIELD NOTES

OF THE SURVEY OF THE

Subdivisions of T 4 N R 7 W

Of the Uintah Special Base and Meridian,

Utah.

AS SURVEYED BY

Washington Jenkins, United States Deputy Surveyor,

Under his Contract No. 275, dated September 23, 1903

Survey commenced August 21st, 1904

Survey completed September 1st, 1904

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Mag. N. 38-40-77 ✓

Closing 1-23-06 ✓

BOOK A-330

NAMES AND DUTIES OF ASSISTANTS.

E. Hall Chainman

A. W. Criss Chainman

Henry Clip. Moundsman

Joseph Turner Axeman

Alvin Johnston Flagman

BOOK A-330

INDEX DIAGRAM.

Township NO 4 N , *Range* NO 7 W

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

Meanders Page

BOOK A-330

PRELIMINARY OATHS OF ASSISTANTS.

WE, E. Hall and A. W. Criss do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain over even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of the Subdivision of T. 4 N. R. 7 W. of the Uintah Special Base and Meridian, Utah.

E. Hall, Chainman.

A. W. Criss, Chainman.

Subscribed and sworn to before me this 21st day of August, 1904

SEAL

Washington Jenkins
U. S. Deputy Surveyor

WE, Henry Clift and

do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey of the Subdivision of T. 4 N. R. 7 W. of the Uintah Special Base and Meridian, Utah.

Henry Clift, Moundman.

Moundman.

Subscribed and sworn to before me this 21st day of August, 1904

SEAL

Washington Jenkins
U. S. Deputy Surveyor

WE, Joseph Turner and

do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey of the Subdivision of T. 4 N. R. 7 W. of the Uintah Special Base and Meridian, Utah.

Joseph Turner, Axman

Axman

Subscribed and sworn to before me this 21st day of August, 1904

SEAL

Washington Jenkins
U. S. Deputy Surveyor

I, Alvin Johnston, do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of the Subdivision of T. 4 N. R. 7 W. of the Uintah Special Base and Meridian, Utah.

Alvin Johnston, Flagman

Subscribed and sworn to before me this 21st day of August, 1904

SEAL

Washington Jenkins
U. S. Deputy Surveyor

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Subdivision of T 4 N R 7 W

Survey commenced August 21st 1904
For description of instrument see book A.
To test the solor apparatus by comparing its indications, resulting from solor observations made during a.m and p.m hours with a meridian determined by observations on Polaris. I proceed as follows.
At the cor of Tps 3 and 4 N Rs. 6 and 7 W Latitude 40°41'59" N longitude 110°38'25" W I set off 40°42' N on lat arc 12° 2' N on the decl arc and at 4h 6m p.m. l mt determine with the solor a meridian and mark a point thereof on a stone firmly set in the ground 5 Chs N of the cor. At 9h 29m 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 peg driven in the ground 5 Chs N of my station.

August 21 - 1904.

August 22 At 6 a m. l mt. I lay off the azimuth of Polaris 1°35' West and mark the meridian thus determined by cutting a small groove in the stone set Aug 21st on which the meridian falls 0.4 ins east of the mark determined by the solor.
At 8h 6m a m. l m t. I set off 40°42' N on lat. arc. 11°49' N on decl arc and mark a point in the meridian determined with the solor by a cross on the stone already set 5 Chs N of my station this mark falls 0.3 east of the meridian established by the Polaris observation.
The solor apparatus by p.m. and a.m. observations defines positions for

BOOK A-330

Subdivision of T 4 N R 7 W

meridians respectively about 0°21" west and 0'16" east of the meridian established by the Polaris observations therefore I conclude that the adjustments of the instrument are satisfactory.
The magnetic bearing of the true meridian at 8h 30m a.m. is 16°45' W the angle thus determined gives the mag decl. 16°45' E

From the cor of secs 1-2-35 and 36 on Sldy 2p previously described I run.
N 0°1' W Bet secs 35 and 36. along rocky top of mountain ascending along the slope

26.00 top of ascent 100 ft above cor. descend NE slope. As line descends abruptly over steep rock slide. I set a sand stone 18x10x6 ins firmly in a mound of stone for W.C. 1/4 sec cor. marked W.C. 1/4 on the W face. raise a mound of stone 2 ft base 1½ ft high W of Cor. pits impracticable

40.00 point for 1/4 sec cor falls on steep rock slide 600 ft. below W.C. Cor. not set.

78.00 foot of steep descent 1200 ft below top of ridge.

80.00 Set a sand stone 18x12x4 ins. 12 ins in the ground for the cor of secs 25-26-35 and 36. marked with 1 notch on the S and E edges raise a mound of stone 2 ft base 1½ ft high W of cor
pits impracticable
land mountainous
soil stony & rocky
no timber
mountainous land 80.00 chs.
From this cor a lake 18 a in extent bears S 55° E 10.00 Ch dist.

August 22.
Sky overcast with clouds at noon
making latitude observations impossible

Subdivision of T4NR7W

	N 89°54'E on a random line bet secs 25 and 36
40.00	Set temp 1/4 sec cor.
80.02	Intersect the E bdy of Tp & Rge N of the cor of secs 25-30-31 and 36 heretofore described. Thence I run S 89°57'W on a true line bet secs 25 and 36 Over mountainous land through scattering scrub pines. Ascending SE. slope
40.01	Set a stone 16x10x10 ins 12 ins in the ground for 1/4 sec cor. marked 1/4 on the W face. Raise a mound of stone 2 ft base 1 1/2 ft high N of cor. pits impracticable
78.00	Creek 10 lks wide 1 ft deep course SE inhollow.
80.02	The cor of secs 25-26-35 and 36. land mountainous soil stony 3rd and 4th rate timber stunted pines. Mountainous land 80.02 chs

---

	N 0°1W Bet secs 25 and 26 over mountainous land gradual E slope
10.00	Creek 6 lks wide 1 ft deep course SW ascend rocky W slope gradual ascent.
31.00	At this point line ascends abruptly over loose slide rock and broken ledges. Set a stone 20x10x8 ins 15 ins in the ground for W.C. 1/4 sec cor. Marked W.C.1/4 on W face. Raise a mound of stone 2 ft base 1 1/2 ft high W of cor. pits impracticable
40.00	point for 1/4 cor falls on deep rock slide. Cor not set.
59.00	Top of rocky ridge bears NW and SE 1000 ft above W.C 1/4 cor. Descend abruptly over rock slides and broken ledges N.E. slope.
80.00	point for cor falls on rock in place. 3x2x 1 ft above ground in rock slide. At cor point I cut a cross (X) for the cor of secs 23-24-25 and 26. Marked with 2 notches to S and 1 notch to E of cross ± raise a mound of stone 2 ft base 1 1/2 ft high W of cor. pits impracticable

Subdivision T 4N R 7W

Cor 500 ft below top of ridge.
Land mountainous.
soil stony 4th rate
no timber.
mountainous land 80.00 chs.
August 22 - 1904

August 23- At 8h a.m. l.m.t. I set off 40°44'N on lat. arc 11°29'N on decl. arc and determine a meridian at the cor of secs 23-24-25 and 26. Thence I run N89°57'E on a random line bet secs 24 and 25

40.00 Set temp 1/4 sec cor.

80.10 Intersect E ldy of Tp. 11 lks S of the cor of secs 19-24-25 and 30 heretofore described. Thence I run S89°52'W on a true line bet secs. 24 and 25.

Over mountainous land through timber

3.20 Creek 6 lks wide 6 ins deep course N in hollow

40.05 Set a sand stone 20x10x8 ins. 15 ins in the ground for 1/4 sec cor. Marked 1/4 on N face from which a
pine 16 ins diam bears N17°E 140 lks dist marked 1/4 S 24 B.T.
pine 6 ins diam bears S50°W 6 lks dist marked 1/4 S 25 B.T.

48.00 Creek 6 lks wide 6 ins deep course NE in hollow; leave timber bears NE and SW. ascend abruptly over broken ledges and rock slides along N.E. slope.

80.10 Cor of secs 23-24-25 and 26
600 ft above 1/4 sec cor.
Land mountainous.
Soil stony 3rd and 4 rate.
timber pine
mountainous or heavily timbered land 80.10 chs

Subdivision of T 4N R7W

N 0° 1' W bet secs 23 and 24
descending steep N.E. slope over
slide rock and ledges.

40.00 Point for 1/4 sec cor falls on steep
rock slide cor not set.

48.00 On a rock in place 6 x 5 x 2 ft above
ground cut a cross (X) for W.C. 1/4
sec cor. marked W.C. 1/4 on W of cross
raise a mound of stone 2 ft base
1 1/2 ft high W of cor. pits impracticable
descend along gradual S.E. slope

80.00 Set a sand stone 16 x 10 x 8 ins 12 ins in
the ground for cor of secs 13-14
23 and 24 marked with 3 notches
on the S and 1 notch on the E edges
raise a mound of stone 2 ft base
1 1/2 ft high W of cor. pits
impracticable
land mountainous
soil stony 4th rate
no timber
mountainous land 80.00 chs

Aug 23 at this cor at 0h 03m p.m.l m.t I set off
11° 25' N on decl arc and observe the
sun on the meridian resulting
lat. being 40° 45' N which is correct
lat.

N 89° 52' E on a random line bet secs
13 and 24

40.00 Set temp 1/4 sec cor

80.12 Intersect E bdy of Tp. 17 lks N of the cor
of secs 13-18-19 and 24 heretofore described
Thence I run S 89° 57' W on a true
line bet secs 13 and 24
Ascending gradual S.E. slope through
timber

21.00 Creek 6 lks wide 6 ins deep Course S in hollow

26.75 Creek 6 lks wide 6 ins deep Course S.E. in hollow

40.06 Set a sand stone 18 x 12 x 8 ins 12 ins in

Subdivision of T 4 N R 7 W

the ground for 1/4 sec cor. marked 1/4 on N face from which
A pine 6 ins diam bears S 15½ E 317 lks dist marked 1/4 S 24 B.T.
A pine 12 ins diam bears N 1° W 274 lks dist marked 1/4 S 13 B.T.

45.00 Leave timber and enter open land N and S

55.50 Creek 8 lks wide 6 ins deep course SE in hollow

80.12 The cor of sec 13-14-23- and 24.
Land mountainous
Soil stony 3rd rate
timber pine
mountainous & heavily timbered land 80.12 Chs

N 0° 1' W bet secs 13 and 14.
Over mountainous land ascending along broken S.E. slope.

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 W face. Raise a mound of stone 2 ft. base 1½ ft. high W of cor pit - impracticable
From 1/4 cor a small lake bears N 80 E about 10 chs

57.25 Creek 3 lks wide 6 ins deep course E in hollow

80.00 Set a sand stone 18 X 8 X 8 ins 12 ins in the ground for the cor of secs 11-12-13 and 14. marked with 4 notches on the S and 1 notch on the E edge. Raise a mound of stone 2 ft. base 1½ ft high W of cor. pit impracticable
Cor about 200 ft. above cor 1 mile South.
Land mountainous
Soil stony 3rd and 4th rate
no timber
mountainous land 80.00 Chs

August 23-04

Subdivision of T4N R7W

August 24. At 8h a m. l m t. I set off 40°45'N on lat arc 11°08' N on decl arc and determine a meridian at the cor of secs 11-12-13 and 14
N 89°57'E on a random line bt secs 12 and 13

40.00 Set temp 1/4 sec cor

80.44 Intersect E bdy of Tp 4 lks S of the cor of secs 7-12-13 and 18 heretofore described
Thence I run S 89°55'W on a true line bt secs 12 and 13. Over mountainous land ascending gradual S.E. slope

40.22 Set a sand stone 20×10×10 ins 15 ins in the ground for 1/4 sec cor. marked 1/4 on N face raise a mound of stone 2 ft base 1½ ft high N of cor. pits impracticable

42.00 Creek 5 lks wide 6 ins deep course S in hollow

63.00 Creek 14 lks wide 6 ins deep course S.E. in hollow

80.44 The cor of secs 11-12-13 and 14
land mountainous
Soil stony 3rd rate
no timber.
mountainous land 80.44 lks

N 0°1'W Bet secs 11 and 12
Ascending gradual S.E. slope

25.00 West end of lake about 8 A in extent bears E. 20 lks.

30.00 Begin ascent steep S.E. slope over rock slide

40.00 Set a slate rock 30×10×8 ins firmly in mound of stone for 1/4 sec cor. marked 1/4 on W face raise a mound of stone 2 ft base 1½ ft high W of cor. pits impracticable

44.90 on dividing ridge bears NE and SW
Intersect North boundary of the Wintah Indian Reservation. Set a sand stone 36×8×7 ins firmly in a mound of stone for closing cor secs 11 and 12 marked CC U1R 5 grooves on S

Subdivision of T 4N R 7W

1 groove on E and UFR on N faces raise a mound of stone 2 ft base 1½ ft high S of cor. pits impracticable from Closing Cor the ½ mile cor between the 45 and 46 mile posts on the bdy as established by deputies A.H and F.M Brown. Lens N 34°30'E 8.90 Chs land mountainous

soil stony 3rd and 4th rate — no timber

mountainous land 44.90 Chs.

Aug 24 At 0h 02m pm Sky is overcast with clouds making it impossible to observe lat.

From the cor of secs 1, 6, 7 and 12 on E Bdy Tp. heretofore described I run S 89°55' W on a true line bet secs 1 and 12 over mountainous land descending steep rocky S.W. slope.

15.00 foot of steep descent 300 ft. below cor line along foot of rocky slope

40.00 Set a sand stone 14x10x6 ins 10 ins in the ground for ¼ sec cor. marked ¼ on N face raise a mound of stone 2 ft. base 1½ ft high N of cor. pits impracticable begin ascent steep S.E. slope over slide rock and broken ledges.

56.83 On dividing ridge lens N.E and S.W Intersect North boundary of the Wintah Indian Reservation. Set a sand stone 15x12x6 ins 10 ins in the ground for closing cor. secs 1 and 12 marked C C U.I.R. on E 5 groove on S. and UFR on W faces raise a mound of stone 2 ft. base 1½ ft high E of cor. pits impracticable from closing cor. the 45th mile cor on the bdy as established by deputies A.H. and F.M. Brown lens as follows: N 34°30'E 3.20 chs. to angle cor. Thence N 63°E 4.00 chs to 45th mile cor. Land mountainous soil stony 4th rate. No timber. Mountainous land. 56.83 Chs Aug 24. 1904

Subdivision of T4NR7W

August 25. At 8th a m lun t I set off 40° 42' N on lat arc. 10° 48' N on decl arc and determine a meridian at the cor of secs 2-3-34 and 35 on S bdy of Tp heretofore described

N0° 2' W Bet secs 34 and 35

descending rocky N.W. slope

21.00 Draw course SW foot of descent 75 ft below cor ascend steep S.E. slope over rock slide

40.00 Point for 1/4 sec cor falls on steep rock slide cor not set.

45.50 Set a sand stone 18x12x6 ins 12 ins in the ground for W.C. 1/4 sec cor. marked W.C 1/4 on W face. raise a mound of stone 2 ft base 1 1/2 ft high W of cor. pits impracticable

48.00 Top of ridge bears E and W 800 ft above draw

52.00 Begin descent steep N slope over slide rock

80.00 Point for cor falls on a rock in place 3x2x2 ft above ground. at cor point cut a cross (+) for the cor of secs 26-27-34 and 35 marked with 1 notch to S and 2 notches on E of cross raise a mound of stone 2 ft base 1 1/2 ft high W of cor pits impracticable

land mountainous

soil stony 4th rate

no timber

mountainous land 80.00 Chs

N89° 54' E on a random line bt secs 26 and 35

40.00 Set temp 1/4 sec cor.

79.95 Intersect N and S line 11 lks S of the cor of secs 25-26-35 and 36. Thence I run. S89° 49' W on a true line bt secs 26 and 35. over mountainous land ascending steep rocky N.E. slope

39.97 1/2 Point for 1/4 sec cor falls in loose slide rock cor not set.

41.20 Set sand stone 16x12x4 ins 12 ins in the ground for W.C. 1/4 sec cor. marked

Subdivision of T4NR7W

W.C. 1/4 on W face raise a mound of stone 2 ft base 1 1/2 ft high N of cor. pits impracticable

53.00 top of high ridge bears N and S 1200 ft above sec cor descend over steep rocky N.W. slope

79.95 the cor of secs 26-27-34 and 35.
800 ft below ridge
land mountainous
soil stony 4th rate
no timber
mountainous land 79.95 chs.

Aug 25 At 0h 02m pm l.m.t. set off 10°44 N on decl arc and observe the sun on the meridian
resulting lat is 40°43 N which is correct lat.
N 0°2 W bet secs 26 and 27
descending rocky N.W. slope over slide rock

10.00 foot of steep descent. leave slide rock enter timber bears NE and SW

31.00 draw course W 500 ft below cor ascend gradual S slope

40.00 Set a sand stone 16X12X7 ins 12 ins in the ground for 1/4 sec cor marked 1/4 on W face from which
a pine 18 ins diam bears N 47°E 99 lks dist marked 1/4 S 26 B.T.
a pine 12 ins diam bears S 59 1/2° W 53 lks dist marked 1/4 S 27 B.T.

46.00 top of ridge bears NE and SW 150 ft. above draw descend gradual N slope

61.00 Creek 5 lks wide 6 ins deep course SW 150 ft below ridge ascend along SW slope

80.00 point for cor falls on a flat rock in place 6 X 4 X 3 ft above ground. Cut a cross (+) at cor point for cor of secs 22-23-26 and 27 marked with 2 notches S and E of cross from which
a pine 14 ins diam bears N 12°E 19 lks dist marked T4NR7W S 23 B.T.
a pine 12 ins diam bears S 59°E 63 lks dist

Subdivision of T4N R7W

marked T4N R7W S 26 B.T.
a pine 8 ins diam kors S78°W 108 lks dist
marked T4N R7W S 27 B.T.
a pine 30 ins diam kors N66°W 100 lks dist
marked T4N R7W S 22 B.T.
Land mountainous.
Soil stony 3rd and 4th rate —
timber pine
mountainous or heavily timbered land
80.00 Chs
Aug 25 at 3h PM l m t. I set off 40°44'N
on lat Arc. 10°41'N on decl arc and
determine a meridian at the cor
of secs 22-23-26 and 27.

N 89°49'E on a random line kt secs 23
and 26.
40.00 Set temp 1/4 sec cor.
80.10 intersect N and S line 16 lks N of the
cor of secs 23-24-25 and 26
Thence I run S89°56'W on a true
line kt secs 23 and 26.
over mountainous land ascending
rocky broken N.E. slope
22.00 top of rocky ridge kors N and S 400 ft above cor
descend rocky W slope
40.05 Set a sand stone 17x12x6 ins 12 ins in
the ground for 1/4 sec. cor. marked 1/4
on N face. raise a mound of stone
2 ft base 1½ ft high N of cor. pits im-
practicable. Cor 400 ft below ridge
55.00 foot of steep descent leaves open and
enter timber kors N and S. gradual
descent W slope
80.10 The cor of secs 22-23-26 and 27.
500 ft below 1/4 sec cor
Land mountainous
soil stony 3rd and 4th rate —
Timber Pine
mountainous or heavily timbered land 80.10 Chs.
August 25-04

Subdivision T. 4N R. 7W

August 26. At 8h a.m. l.m.t. I set off 40°44'N on lat arc, 10°27'N on decl arc and determine a meridian with the solar at the cor of secs 22-23-26 and 27. Thence I run N 0°2'W Bet secs 22 and 23 over mountainous land through timber ascending along W slope

34.00 leave timber and enter open heavy NW and SE

40.00 point for 1/4 sec cor falls on a rock in place 6x5x4 ft above ground. Cut a cross (X) at cor point for 1/4 sec cor. marked 1/4 W of cross: raise a mound of stone 2 ft base 1½ ft high W of cor pits impracticable. Cor. 200 ft above sec cor

Continue ascent steep SW slope

80.00 Set a sand stone 14x12x8 ins 10 ins in the ground for cor of secs 14-15-22 and 23. marked with 3 notches on S and 2 notches on E edges raise a mound of stone 2 ft base 1½ ft high W of cor. pits impracticable.

land mountainous

Soil stony 3rd and 4th rate.

Timber Pine

mountainous or heavily timbered land 80.00 chs

N 89°56' E on a random line bet secs 14 and 23.

40.00 Set temp 1/4 sec cor.

80.34 intersect N and S line 13 lks S of the cor of secs 13-14-23 and 24

Thence I run S 89°50'W on a true line bet. secs 14 and 23, over mountainous land ascending E slope

40.17 point for 1/4 sec cor falls on a rock in place 8x3x2 ft above ground cut a cross (X) at cor point for 1/4 sec cor marked 1/4 on N of cross

raise a mound of stone 2 ft base 1½ ft high N of cor. pit impracticable

Subdivision T4NR7W

1/4 Cor 200 ft. above sec cor.
60.00 top of ridge bears NW and SE. 700 ft. above 1/4 cor
descend rocky SW slope
80.34 The cor of secs 13-14-23 and 24 500 ft. below ridge.
Land mountainous
Soil stony 4th rate
no timber
mountainous land 80.34 Chs
Aug 26 at 0h 02m p.m. C in L — I set off 10° 23' N on declon and observe the sun on the meridian resulting lat being 40° 45' N which is correct lat.

N 0° 2' W Bet secs 14 and 15
over mountainous land ascending steep rocky SW. slope
19.80 Intersect north bdy of the Wintah Indian Reservation on dividing ridge
Set a sand stone 18X12X8 ins 12 ins in the ground for closing corner of secs 14 and 15.
marked C.C. U1R 3 grooves on S 2 grooves on E and UFR on N faces raise a mound of stone 2 ft base 1½ ft. high
S of cor. pits impracticable
From C.C. the 1/2 mile cor. between the 47th and 48th mile corners on the boundary as established by Deputies A.H. and F M Brown bears as follows N 84° 30' W. 17.60 chains dist.
Land mountainous
Soil stony 4th rate.
no timber
mountainous land 19.80 Chs

S 89° 50' W on a true line bet secs 11 and 14
over mountainous land ascending rocky NE slope
31.10 Intersect north bdy of the Wintah Indian Reservation on top of dividing ridge
Set a sand stone 18X12X10 ins 12 ins in the ground for C.C. secs 11 and 14

marked OCUIR on E 4 grooves on S and UFR on W and 1 groove on E face raise a mound of stone 2 ft base 1½ ft high E of cor. pits impracticable From C.C. the ½ mile cor between the 46 and 47th mile posts bears as follows. S 34°30'W 1380 chs to Angle cor Thence S 39°15'W 260 chs to ½ mile cor.

land mountainous
soil stony 4th rate
no timber
mountainous land 31.1.0 chs

August 26 - 04

August 27. At 8h a m l m t I set off 40°42'N on lat arc. 10°06'N on decl arc and determine a meridian at the cor of secs 3-4-33 and 34 on S ldg of Tp heretofore described.

N 0°3'W Bet secs 33 and 34
descending NW. slope over rock slide

7.00 leave open and enter timber bears NE and SW
continue descent NW slope

36.00 leave timber enter grassy open bears E and W

40.00 Set a sand stone 16x14x6 ins 12 ins in the ground for ¼ sec cor. marked ¼ on W face from which
a pine 18 ins diam bears S 17°W 145 lks dist marked ¼ S 33 B.T. No other trees within limits for B.T.S. raise a mound of stone 2 ft base 1½ ft high W of cor. pits impracticable

42.00 draw course SW 400 ft below sec cor

51.00 leave open enter timber bears E and W

80.00 Set a sand stone 18x12x5 ins. 12 ins in the ground for the cor of secs 27-28-33 and 34 marked with 1 notch on S and 3 notches on E edges, from which.
a pine 12 ins diam bears N 65°E 23 lks dist marked T4N R7W S 27 BT
a pine 30 ins diam bears S 61°E 45 lks dist marked T4N R7W S 34 B.T.
a pine 10 ins diam bears S 80°W 12 lks dist marked T4N R7W S 33 BT

Subdivision of T 4N R 7W

a pine 12 ins diam bears N 15° W 43 lks dist
marked T 4N R 7W S 28 B.T.
Land mountainous
Soil Stony 3rd and 4th rate-
timber pine
mountainous or heavily timbered Land 8.00 Chs

N 89°54' E on a random line bet secs 27 and 34.
40.00 Set temp 1/4 sec cor.
80.10 Intersect N and S line 7 lks N of the cor
of secs 26-27-34 and 35. Thence from
S 89°57' W on a true line bet secs 27 and 34
over mountainous land descending slope
N.W. slope over slide rock
10.00 Leave open and euler timber bears N.E. and S.W.
Continue gradual descent
40.05 Set a stone 16 x 10 x 8 ins. 12 ins in the
ground for 1/4 sec cor. marked 1/4 on W
face. from which
a pine 16 ins diam bears S 25½° E 2.20 Chs dist
marked 1/4 S 34 B.T.
a pine 8 ins diam bears N 57° W 1.13 Chs dist
marked 1/4 S 27 B.T.
80.10 The cor of secs 27-28-33 and 34
300 ft below sec cor 1 mile E.
Land mountainous.
Soil stony 3rd and 4th rate-
timber pine.
mountainous or heavily timbered Land 80.10 Chs
Aug 27 at 8h 01m p.m. t.m.t. Clouds obscure the sun
making it impossible to observe Lat.

N 0° 3' W bet secs 27 and 28
over mountainous land through timber
& descending NW slope
24.00 Fork of Rock Creek 2.5 Lks wide 1 ft deep course SW
foot of descent 400 ft below sec cor
ascend SE slope
40.00 Set a stone 18 x 10 x 6 ins 12 ins in the

Subdivision of T 4 N R 7 W

	ground for ¼ sec cor. marked ¼ on W face from which
	a pine 14 ins diam bears N 74° E 132 lks dist marked ¼ S 27 B.T.
	a pine 28 ins diam bears S 78° W 122 lks dist marked ¼ S 28 B.T.
49.00	Top of ridge bears NE and SW 600 ft to the creek
	gradual descent along SW slope
53.00	Draw course NW. ascend gradual S slope
80.00	Set a stone 18 x 12 x 10 ins 12 ins in the ground for the cor of secs 21-22-27 and 28 marked with 2 notches on S and 3 notches on E edges from which
	a pine 14 ins diam bears N 48° E 138 lks dist marked T 4 N R 7 W S 27 B.T.
	a pine 10 ins diam bears S 27° E 79 lks dist marked T 4 N R 7 W S 27 B.T.
	a pine 12 ins diam bears S 84½° W 75 lks dist marked T 4 N R 7 W S 28 B.T.
	a pine 12 ins diam bears N 15° W 87 lks dist marked T 4 N R 7 W S 21 B.T.
	Land mountainous
	Soil stony 3rd rate
	Timber Pine
	mountainous or heavily timbered Land 80.00 Chs
	N 89° 57' E on a random line bet secs 22 and 27
40.00	Set temp ¼ sec cor
79.94	Intersect N and S line at the cor of secs 22-23-26 and 27. Thence run S 89° 57' W on a true line bet secs 22 and 27 over mountainous land through timber descending along SW slope
23.00	Draw course SW 200 ft below cor. ascend SE slope
29.00	Open projects S 75 ft above draw descend SW slope
33.00	Draw course S. 50 ft below open
39.97	Top of ridge bears NE and SW Set a stone 14 x 10 x 6 ins 10 ins in the ground for ¼ sec cor marked ¼ on N face from which
	a pine 8 ins diam bears N 54° E 33 lks dist

Subdivision of T 4 N R 7 W

	marked 1/4 S 22 B.T.
	a pine 16 ins diam bars S 40½° W 130 lks dist
	marked 1/4 S 27 B.T.
	descend N W slope
55.00	Creek 10 lks wide 6 ins deep course S. 100 ft.
	below ridge. Ascend gradual E slope
65.00	Low ridge bars N and S 100 ft. above creek
79.94	The cor of secs 21-22-27 and 28
	land mountainous
	soil stony 3rd rate —
	timber pine
	mountainous or heavily timbered land 79.94 chs
	August 27-1904
	Aug 28. At 8 a.m. sky over east and solar st. impossible
	N 0° 3' W Bet secs 21 and 22
	over mountainous land through timber
	ascending gradual S slope
11.00	Top of ascent 100 ft. above cor thence over
	rocky knob scattering timber
32.00	Spur projects E descend N E slope
40.00	Set a sand stone 16x10x5 ins 12 ins in
	the ground for 1/4 sec cor. marked 1/4 on
	W face. from which
	a pine 14 ins diam bars S 58° E 282 lks dist
	marked 1/4 S 22 B.T.
	a pine 10 ins diam bars S 28° W 85 lks dist
	marked 1/4 S 21 B.T.
43.00	Head of draw course S.E. 100 ft. below spur
	ascend S.E. slope
46.00	Ledge 75 ft. high leave scattering timber
	line over rocky knob
80.00	Set a sand stone 18x12x10 ins 12 ins in the
	ground for the cor of secs 15-16-21 and 22
	marked with 3 notches on S and E edges
	raise a mound of stone 2 ft base 1½ ft
	high W of cor. pits impracticable
	land mountainous
	soil stony 3rd and 4th rate —
	timber pine
	mountainous or heavily timbered land 80.00 chs

Subdivision of T4NR7W

N89°57'E on a random line bet secs 15 and 22

40.00 Set temp 1/4 sec cor

79.79 Intersect N and S line 6 chs N of the cor of secs 14-15-22 and 23. Thence I run West on a true line between secs 15 and 22 over mountainous land descending steep rocky S.W. slope

39.89½ Set a sand stone 14x10x8 ins 10 ins in the ground for 1/4 sec cor. marked 1/4 on N face raise a mound of stone 2 ft base 1½ ft high N of cor pits impracticable 1/4 cor 600 ft below sec cor

58.00 Head of draw course S.E. 75 ft below 1/4 cor ascend rocky SE slope

74.00 Top of ascent 100 ft above draw. thence over rocky bench.

79.79 The cor of secs 15-16-21 and 22.
land mountainous
soil stony 4th rate
no timber
mountainous land 79.79 chs.

N0°3'W bet secs 15 and 16
over mountainous land on rocky bench

10.00 begin ascent steep S slope over slide rock and ledges

27.30 Intersect north bdy of the Wentah Indian reservation on top of dividing ridge
Set a sand stone 16x12x4 ins firmly in a mound of stone for closing cor secs 15 and 16 marked C.C. U1R 3 grooves on S 3 grooves on E UFR on N faces. raise a mound of stone 2 ft base 1½ ft high S of cor pits impracticable. From the closing corner the half mile corner between 48th & 49th mile cors. on the bdy as established by deputies A H and F M Brown bears N84°30' W 17.74 chs dist.
land mountainous
soil stony 4th rate
no timber
mountainous land. 27.30 chs.

Subdivision of T4NR7W

Aug 28. At 2 p m, l m t. I set off 40°42'N on lat arc 9°39N on decl arc and determine a meridian at the cor of secs 4-5-32 and 33. on S ldg of Tp. Thence I run N0°3'W kt secs 32 and 33. Over mountainous land through timber descending NW slope

4.50 E Fork of Rock Creek 30 lks wide 6 ins deep course SW. 30 ft. below cor.

15.00 Begin ascent SE slope

40.00 Set a sand stone 16X12X6 ins. 11 ins in the ground for 1/4 sec cor marked 1/4 on the W face from which

a pine 7 ins diam bears S13°E 32 lks dist marked 1/4 S 33 B.T.

a pine 10 ins diam bears S42°W 41 lks dist marked 1/4 S 32 B.T.

1/4 cor. 250 ft. above creek

75.00 Ascend abruptly over ledges and slide rock bear dense timber enter scattering timber bears E and W

80.00 Point for sec cor falls on a rock in place 6X4X3 ft. above ground. At cor point I cut a cross (X) for the cor of secs 28-29-32 and 33. marked with 1 notch to S and 4 notches to E of cross from which

a pine 20 ins diam bears S48°30'W 24 lks dist marked T4N R7W S 32 B.T.

As there are no other trees near raise a mound of stone 2 ft. base 1½ ft. high W of cor. pits impracticable.

Land mountainous S

Soil stony 3rd rate

timber pine

Mountainous or heavily timbered land. 80.00 lks.

Subdivision of T 4 N R 7 W

N 89°54' E on a random line bt secs 28 and 33
40.00 Set temp 1/4 sec cor
80.10 Intersect N and S line 9 lks S of the cor of secs 27-28-33 and 34
Thence I run S 89° 50' W on a true line bt secs 28 and 33
Over mountainous land through dense pine timber gradual descent NW slope
8.00 Abrupt descent NW slope
20.20 Creek E fork Rock creek. 15 lks wide 8 ins deep course SW. 500 ft. below sec cor. Ascend SE slope
25.00 Spur projects S. 50 ft. above creek descend SW slope
31.30 Creek 15 lks wide 6 ins deep course S SW. 75 ft below spur. Gradual ascent SE slope
40.05 Set a sand stone 16 x 10 x 8 ins. 11 ins in the ground for 1/4 sec cor. marked 1/4 on N face. from which.
a pine 16 ins diam bears N 26° E 38 lks dist marked 1/4 S 28 B.T.
a pine 8 ins diam bears S 13° 30' W 43 lks dist marked 1/4 S 33 B.T.
70.00 Leave timber and enter open bears N 80 E and S 80° W
Ascend over slide rock and ledges
80.10 The cor of secs. 28-29-32 and 33.
land mountainous
Soil stony 3rd and 4 rate
timber pine
Mountainous or heavily timbered land. 80.10 Chs
August. 28 - 1904.

Aug 29th. At 8 h a.m. l mt. I set off f. 40° 43' N on lat arc 9° 23' N on decl arc and determine a meridian at the cor of secs 28-29-32 and 33. Thence I run N 0° 3' W Bet secs 28 and 29. over mountainous land ascending rocky S slope
6.00 Top of steep ascent leave open enter timber

Subdivision of T 4N R 7W

	from N.E. and N.W. line over knoll
40.00	Point for 1/4 Sec cor falls on a rock in place 2 ft X 1 ft X 6 ins above ground at cor point set a cross (X) for 1/4 Sec cor marked 1/4 on W of cross. from which.
	a pine 10 ins diam bears S 47° W 57 lks dist marked 1/4 S 29 B.T.
	a pine 8 ins diam bears S 67 3/4° E 36 lks dist marked 1/4 S 28 B.T.
50.00	Ascend gradual S slope
80.00	Set a Sand Stone 18 X 10 X 5 ins 12 ins in the ground for the cor of Secs 20-21 28 and 29. Marked with 2 notches on the S and 4 notches on the E edges from which.
	a pine 16 ins diam bears N 30° E 49 lks dist marked T 4N R 7W S 21 B.T.
	a pine 16 ins diam bears S 23° E 15 lks dist marked T 4N R 7W S 28 B.T.
	a pine 14 ins diam bears S 61° W 18 lks dist Marked T 4N R 7W S 29 B.T.
	a pine 14 ins diam bears N 81 1/2 W 156 lks dist Marked T 4N R 7W S 20 B.T.
	Land mountainous
	Soil Stony 3rd and 4th rate
	timber pine
	Mountainous & heavily timbered Land 80 00 lks.

	N 89° 50' E on a random line bet Secs 21 and 28
40.00	Set temp 1/4 Sec cor.
80.04	Intersect N and S line 14 lks N of the cor of Secs 21-22-27 and 28. Thence I run S 89° 56' W on a true line bet Secs 21 and 28. Over mountainous land through timber. gradual descent SW slope
21.00	Creek 10 lks wide 4 ins deep course S
	ascend gradual S.E slope
40.02	Point for 1/4 Sec cor falls on a rock in place 3 X 2 X 1 ft above ground at cor point

Subdivision of T. 4 N R 7 W

	cut a cross (X) for 1/4 sec cor. Marked 1/4 on N of cross from which a pine 30 ins diam bears S 25° E 45 lks dist marked 1/4 S 2 8 T3.T. a pine 10 ins diam bears N 59° W 48 lks dist marked 1/4 S 21 B.T.
42.00	Leave timber enter slide rock bears N and S.
60.00	Leave slide rock enter timber bears N and S
80.04	The cor of sec 20 - 21 - 28 and 29 Land mountainous Soil stony 3rd and 4th rate timber pine Mountainous or heavily timbered land. 80.04 Chs Aug 29 at noon hour Clouds obscure the Sun - making Lat. observations impossible.
	N 0° 3' W Bet secs 20 and 21 Over mountainous land through timber
5.00	Limbs bears scattering
20.00	Leave scattering timber ascend W slope over slide rock
30.00	Rocky Spur bears E and W 750 ft. above cor descend NW Slope
40.00	Point for 1/4 sec cor falls on a rock in place 5 x 2 x 2 ft. above ground. at cor point I cut a cross (X) for 1/4 sec cor. marked 1/4 on W of cross. raise a mound of stone 2 ft base 1 1/2 ft. high W of cor. fills - Impracticable.
57.00	Head of draw course W ascend along rocky W slope
80.00	Set a Stone 14 x 10 x 8 ins 10 ins in the ground for the cor of secs 16-17-20 and 21 Marked with 3 notches on the S and 4 notches on the E edge. raise a mound of stone 2 ft. base 1 1/2 ft. high W of cor. fills - Impracticable Land mountainous soil stony 3rd and 4th rate timber pine

Subdivision of T 4 N R 7 W

mountainous & heavily timbered land 8000 lks

	N 89°56' E on a random line bet Sec 16 and 21
40.00	Set temp 1/4 Sec cor.
79.78	Intersect N and S line 4 chs S of the cor of Secs 15-16-21 and 22. Thence run S 89°57' W on a true line bet Secs 16 and 21. Over mountainous land over rocky knob.
39.89	Set a sand stone 18 x 12 x 8 ins 12 ins in the ground for 1/4 Sec cor. marked 1/4 on the N face. Raise a mound of stone 2 ft. base 1 1/2 ft. high N of cor. pits impracticable
44.00	Begin ascent SE slope
62.00	Top of high rocky ridge runs N and S. 700 ft. above 1/4 Sec cor. descend over rocky broken SW slope
79.78	The cor of Secs 16-17-20 and 21 land mountainous Soil stony & Gravel — no timber Mountainous land 79.78 chs

	N 0°3' W Bet Secs. 16 and 17 Over mountainous land descending rocky broken SW. slope
40.00	Set a sand stone 16 x 9 x 5 ins 11 ins in the ground for 1/4 Sec cor marked 1/4 on the W face raise a mound of stone 2 ft. base 1 1/2 ft. high W of cor. pits impracticable cor 500 ft above Sec cor. Continue descent SW slope
40.70	Intersect the North Boundary of the Uintah Indian Reservation on top of dividing ridge Set a sand stone 16 x 12 x 6 ins 11 ins in the ground for Closing cor Secs 16 and 17 marked C.C. U I R 4 grooves on S 4 grooves on E and U I R on N faces. Raise a mound of stone 2 ft. base 1 1/2 ft. high

Subdivision of T 4N R 7W

S. of Cor. pits impracticable.
From Closing Cor. the 1/2 mile Cor. bet. the 49 and 50th Mile Posts on the Bdy as established by Deputies A.H. and F.M. Brown bears N 45° 15' W 15.34 Chs dist.
Land mountainous
Soil Stony 4th rate –
No timber
Mountainous land. 40.70 Chs
August 29-1904

August 30-1904. At 8h a.m. l m t. I set off 40° 42' N on lat arc 9° 02' N on decl arc and determine a meridian at the cor of secs. 5-6-31 and 32 on Sbdy of Tp. Thence I run N 0° 4' W Bet secs 31 and 32. Over mountainous land through heavy pine timber ascending along S.W. slope

23.00 Draw course S.W. continue ascent

40.00 Set a Sand Stone 18 X 10 X 8 ins 12 ins in the ground for 1/4 sec cor. marked 1/4 on W face from which
a pine 16 ins diam bears N 75° W 28 lks dist
Marked 1/4 S 31 B.T.
a pine 15 ins diam bears N 38° E 32 lks dist
Marked 1/4 S 32 B.T. Cor 300 ft. above sec cor continue ascent

60.00 Top of ascent line along top of ridge bears N and S. 150 ft. above 1/4 cor

80.00 Point for cor falls on a rock in place 4 X 3 X 1 ft. above ground at cor point Cut a cross (X) for the cor of secs 29-30 31 and 32. Marked with 1 notch on S and 5 notches on E of cross.
from which.
a pine 10 ins diam bears N 20° E 16 lks dist
Marked T 4N R 7W S 29 B.T.
a pine 12 ins diam bears S 70 E 39 lks dist

Subdivision of T 4N R7W

marked T4N R7W S 32 B.T.
a pine 6 ins diam bears S32°W 24 lks dist
Marked T 4N R7W S 31 B.T.
A pine 9 ins diam bears N 10½ W 29 lks dist
Marked T4N R7W S 30 B.T.
Land mountainous
Soil stony 3rd rate-
timber pine.
mountainous or heavily timbered land 80.00 chs.

N 89°54'E on a random line bt secs 29 and 32
40.00 Set temp 1/4 sec cor.
79.90 Intersect N and S line 11 lks N of the
cor of secs 28-29-32 and 33. Thence I run
S89°59'W on a true line bt secs. 29 and 32
Over mountainous land ascending steep
rocky S.E. slope. ledges and slide rock
3.00 Top of steep ascent 75 p. above cor. line
over bench. Enter heavy timber bears NE
and SW.
32.00 Creek 4 lks wide 4 ins deep course SW
Creek in gulch 25 p. below bench.
39.95 Set a sand stone 15×10×4 ins 10 ins in the
ground for 1/4 sec cor. marked 1/4 on the W
face, from which
a pine 18 ins diam bears S12°E 111 lks dist
marked 1/4 S 32 B.T.
a pine 10 ins diam bears N37°E 22 lks dist
marked 1/4 S 29 B.T.
68.00 Ascend gradual E slope
77.00 Top of gradual ascent. Descend
gradual West slope
79.90 The cor of secs 29-30-31 and 32.
Land mountainous
Soil stony 3rd rate-
timber pine
mountainous or heavily timbered land 79.90 chs

Aug 30 at 12 m. bmt Clouds obscure the sun
making latitude observations impossible

Subdivision of T 4 N R 7 W

	S 89° 54' W on a random line bet secs 30 and 31
40.00	Set temp 1/4 sec cor
78.20	Intersect West bdy of Tp. at the cor of secs 25-30-31 and 36 heretofore described. Thence I run N 89° 54' E on a true line bet secs 30 and 31. Over mountainous land through timber ascending W slope
1800	Top of steep ascent 300 ft. above cor. Continue gradual ascent over ridge
31.20	Creek 5 lks wide 4 ins deep course S ascend
38.20	Set a sandstone 17 x 8 x 6 ins. 12 ins in the ground for 1/4 sec cor. Marked 1/4 on the N face. from which. a pine 10 ins diam bears N 3° W 16 lks dist marked 1/4 S 30 B.T. a pine 12 ins diam bears S 60° E 28 lks dist marked 1/4 S 31 B.T.
48.00	Brow of knob bears N and S 200 ft above creek gradual ascent West slope over knob
63.20	Creek 5 lks wide 6 ins deep course N ascend steep West slope
78.20	The cor of secs 29-30-31 and 32. 200 ft above creek. Land mountainous Soil stony 3rd rate timber pine Mountainous or heavily timbered land 78.20 Chs

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	N 0° 4' W Bet secs 29 and 30 Over mountainous land through timber on top of ridge bears N and S gradual ascent
24.00	Ridge bears to NE. descend NW slope
30.00	Creek 2 lks wide 2 ins deep course W 50 ft below ridge line over knob
40.00	Set a sand stone 14 x 10 x 10 ins 10 ins in the ground for 1/4 sec cor. Marked 1/4 on the W face from which. a pine 12 ins diam bears N 84° E 33 lks dist. Marked 1/4 S 29 B.T.

Subdivision of T 4N R 7W

a pine 12 ins diam hors S 41°W 78 lks dist
Marked ¼ S 30 B.T.

55.00 Begin descent of N.W. slope

70.00 Creek 5 lks wide 4 in deep course SW 100 ft
below knob. Ascend gradual S.W. slope

80.00 Set a sand stone 14x10x8 ins 10 ins in the
ground for the cor of secs 19-20-29 and 30
Marked with 2 notches on the S and 5 notches
on the E edges from which
a pine 8 ins diam hors N 22½°E 74 lks dist
Marked T 4N R 7W S 20 B.T.
a pine 10 ins diam hors S 41°E 56 lks dist
Marked T 4N R 7W S 29 B.T.
a pine 16 ins diam hors S 59°W 7 lks dist
Marked T 4N R 7W S 30 B.T.
a pine 16 ins diam hors N 72½°W 66 lks dist
Marked T 4N R 7W S 19 B.T.
Land mountainous
Soil stony 3rd rate —
timber pine
Mountainous or heavily timbered land 80.00 lks
August 30-1904

August 31st At 8h a.m. l.m.t. I set off
40°44'N on lat arc 8°41' N on decl arc
and determine a meridian at the
cor of secs 19-20-29 and 30. Thence I run
N 89°59'E on a random line bt secs 20 and 29.

40.00 Set temp ¼ sec cor

79.90 Intersect N and S line 5 lks S of the cor of
secs 20-21-28 and 29. Thence I run
S 89° 57'W on a true line between secs
20 and 29. Over mountainous land through
timber line over knob.

25.00 creek 5 lks wide 4 ins deep course S ascend
gradual E slope

35.00 Brow of knob hors N and S. line over knob 100 ft
above creek.

39.95 Set a sand stone 14x10x6 ins 10 ins in the
ground for ¼ sec cor. Marked ¼ on N face

Subdivision of T4NR7W

from which
A pine 6 ins diam bears N48°W 86 lks dist
Marked 1/4 S 20 B.T.
A pine 16 ins diam bears S 8½°W 116 lks dist
marked 1/4 S 29 B.T.
60.00 Descend West slope 200 ft. to cor.
79.90 The cor of secs 19-20-29 and 30
Land mountainous
Soil stony 3rd rate.
timber pine
Mountainous or heavily timbered land 79.90 chs

S89°54'W on a random line bet secs 19 and 30
40.00 Set temp 1/4 sec cor
78.40 Intersect W Bdy of Tp. 10 lks N of the cor of secs 19-24-25 and 30 heretofore described
Thence I run N89°50'E on a true line bet secs 19 and 30. Over mountainous land through timber
4.00 Descend S.E. slope
20.40 Creek 5 lks wide 6 ins deep course SW 75 ft. below cor. Ascend gradual NW slope
38.40 Set a sand stone 16x11x5 ins 11 ins in the ground for 1/4 sec cor. Marked 1/4 on N face, from which
A pine 30 ins diam bears N85°W 35 lks dist
marked 1/4 S 19 B.T.
A pine 8 ins diam bears S 20°E 100 lks dist
marked 1/4 S 30 B.T.
57.50 Top of ascent thence over bench.
71.80 Creek 10 lks wide 4 ins deep course S
78.40 The cor of secs 19-20-29 and 30.
Land mountainous.
Soil stony 3rd rate —
timber pine
Mountainous or heavily timbered land 78.40 chs
August 31 at this cor at 12m l m t I set off 8°36' on decl arc and observe the sun on the meridian resulting lat is 40°44'N which is correct lat.

Subdivision of T. 4 N R 7 W

	N 0°4' W Bet secs 19 and 20 Over mountainous land through timber. ascending NW slope
4.00	Spur prongs S.W. descend NW slope
7.00	Creek 8 lks wide 6 ins deep course SW ascend SE. slope
20.00	Low ridge runs E and W 75 ft. above creek descend NW slope
37.00	Draw course SW ascend SE slope
40.00	Set a Sand Stone 16 x 12 x 4 ins 11 ins in the ground for 1/4 sec cor. marked 1/4 on the W face. from which. a pine 6 ins diam runs S 86° W 131 lks dist marked 1/4 S 19. B.T. a pine 24 ins diam runs S 80° E 228 lks dist marked 1/4 S 20 B.T.
52.00	Top of ridge runs NE. and SW descend NW slope
55.00	Large timber runs NE and SW Line over slide rock
69.00	Draw course SW. 150 ft. below ridge ascend steep rocky S E slope
73.00	Top of steep ascent 100 ft. above draw Line along West slope of mountain.
80.00	Set a Sand Stone 18 x 10 x 6 ins 12 ins in the ground for the cor of secs 17-18-19 and 20 Marked with 3 notches on the S and 5 notches on the E edges. Raise a mound of Stone 2 ft. base 1½ ft. high W of cor. pits. impracticable. Land mountainous Soil stony 3rd and 4th Grade- timber pine mountainous or heavily timbered Land 80.00 Chs.
	N 89°57' E on a random line bet secs. 17 and 20
4.00	Set temp 1/4 sec cor.
80.10	Intersect N and S line 12 lks S of the cor of secs 16-17-20 and 21. Thence Drum S 89°52' W on a true line bet secs 17 and 20

Subdivision of T 4N R 7W

Over mountainous land rocky and
haken descend gradual West slope
6.00 Descend more abruptly.
21.00 Creek 8 lks wide 5 ins deep course S
150 ft. below cor. Ascend E slope
40.05 Point for cor falls on a rock in place
14x10x6 ins. above ground. at cor point
cut a cross (X) for 1/4 sec cor, marked 1/4
on N of cross. raise a mound of
stone 2 ft. base 1 1/2 ft. high N of cor
pits in practicable.
60.00 Top of ridge hors N.E. and SW 200 ft.
above creek. descend W slope
80.10 The cor of secs 17-18-19 and 20
Land mountainous
Soil stony 4th rate
no timber
mountainous land. 80.10 Chs
August 31-04

Sep 1st. At 8h a m l m t. I set off
40°45'N on lat arc 8°19'N on decl arc
and determine a meridian at the
cor of secs 17-18-19 and 20.
Thence I run S 89°50'W on a random
line bt secs 18 and 19.
40.00 Set temp 1/4 sec cor
78.40 Intersect West bdy of Tp at the cor
of secs. 13. 18. 19 and 24 heretofore described
Thence I run N89°50'E on a true line
bt secs. 18 and 19. Over mountainous
land descending S.E. slope.
23.00 Down course SW 150 ft. below cor
Enter pine timber hors N.E. and SW
begin ascend gradual SW slope
38.40 Set a sand stone 18x10x6 ins 12 ins in the
ground for 1/4 sec cor. marked 1/4 on the
W face from which
a pine 30 ins diam hors N77°E 17 lks dist
marked 1/4 S 18 B.T.

Subdivision of T 4 N R 7 W

a pine 24 ins diam bears S 29° E 34 lks dist
Marked 1/4 S 19 B.T.

50.00 Top of ridge bears N and S 200 ft. above
creek descend gradual S.E. slope

67.00 Draw course SW 100 ft. below ridge
leave timber bears N.E. and SW ascend
West slope over slide rock

78.40 The cor of secs 17-18-19 and 20. 100 ft.
above draw.

Land mountainous
Soil stony 3rd and 4th rate
timber pine on 44 chs.
Mountainous or heavily timbered land 78.40 chs

N 0° 4 W Bet secs 17 and 18
Over mountainous land along rocky
West slope

2.00 Begin descent NW slope

12.00 Draw drains SW 100 ft below cor.
ascend steep rocky SE slope

20.00 Rocky spur projects E 300 ft. above
draw. descend rocky NE slope

36.00 Head of draw drains S.E. 200 ft. below spur

40.00 Point for 1/4 sec cor falls on a rock in
place 6x10x1 ft. above ground. at cor point
I cut a cross (X) for 1/4 sec cor. marked
1/4 on W of cross raise a mound of
stone 2 ft. base 1½ ft high W of cor.
pits improbable

45.00 Begin ascent steep south slope over slide
rock.

60.00 perpendicular cliff 50 ft. high

64.42 Intersect North Bdy of the Wintah
Indian reservation on top of dividing
ridge Set a sand stone 17x10x8 ins
12 ins in the ground for closing cor secs
17 and 18. Marked C.C.U I R 4 grooves on
S 5 grooves on E and UFR on N faces
raise a mound of stone 2 ft.
base 1½ ft high S of cor. pits

Subdivision of T 4 N R 7 W

impracticable. From closing cor the ½ mile cor Bet the 50th and 51st mile posts on the bdy as established by Deputies A.H. and F.M. Brown bears N 86° W 8.60 Chs dist.
Land mountainous
Soil stony 4th rate
no timber
mountainous land 64.42 Chs
Sept 1st 1904.

General Description

This Tp is entirely mountainous the S.W. portion being covered by dense growth of pine timber while the North and eastern portions of tp. are mostly above timber line and covered with moss & rock. Considerable grass is found along base of high ridges and on knobs where timber is not dense suitable only for sheep grazing. There are no settlers or improvements in the Tp. find no indication of mineral deposit. This Tp is well watered by head waters of Rock creek in Central and Western portions. and head waters of Lake Fork in eastern portion.

Washington Jenkins
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 Washington Jenkins, United States Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the survey of the Subdivision of T. 4 N. R. 7 W. of the Uintah Special Base and Meridian, Utah, showing the respective capacities in which they acted:

E Hull, Chainman.
A W Criss, Chainman.
Henry C Lift, Moundman.
, Moundman.
Joseph Turner, Axman.
, Axman.
Alvin Johnston, Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted Washington Jenkins, United States Deputy Surveyor, in surveying all those parts or portions of the the Subdivision of Township No. 4 North, Range No. 7 W. of the Uintah Special Base and meridian, State of Utah, which are represented in the foregoing field notes as having been surveyed by him and under his direction; and that said survey has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the corner monuments established, according to the instructions furnished by the United States Surveyor General for Utah.

E Hull, Chainman.
A W Criss, Chainman.
Henry C Lift, Moundman.
, Moundman.
Joseph Turner, Axman.
, Axman.
Alvin Johnston, Flagman.

Subscribed and sworn to before me this 1st day of September, 190 C

SEAL

Washington Jenkins
U. S. Deputy Surveyor.

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FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, Washington Jenkins, United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from Edward H. Anderson United States Surveyor General for Utah, bearing date of the 23d day of September, 1903, I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for Utah, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of the Subdivisional lines of Township 4 North Range 7 West of the Uintah Special Base and meridian, in the State of Utah, which are represented in the foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for Utah and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey; and should any fraud be detected, I will suffer the penalty of perjury under the provisions of an Act of Congress approved August 8, 1846.

Washington Jenkins
United States Deputy Surveyor

Subscribed by said Washington Jenkins, and sworn to before me this 12th day of December, 1904

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

SEAL

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah Dec 20, 190[illegible]

The foregoing field notes of the survey of the Subdivisional lines of Township No. 4 North Range No. 7 West of the Uintah Special Base and Meridian, Utah

executed by Washington Jenkins under his contract No. 275, dated Sept. 23, 1903, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Edward H. Anderson
United States Surveyor General

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

United States Surveyor Gene[illegible]

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BOOK A-330

FIELD NOTES

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OF THE SURVEY OF THE

Subdivisions

of

Township No. 4 North

Range No. 6 West

Of the Uintah Special Base and Meridian,

In the state of Utah.

AS SURVEYED BY

Washington Jenkins, United States Deputy Surveyor,

Under his Contract No. 275, dated Sept. 23-1903, ~~190~~

Survey commenced November 8th, 1904

Survey completed November 19th, 1904.

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high 49-22-89

lowings 75-89

2514

BOOK A-330

NAMES AND DUTIES OF ASSISTANTS.

E Hull	Chainman
O E Brashears	"
Henry Clift	Woodsman
Joseph Turner	Axman
Alvin Johnston	Flagman

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Volume
#
R0330

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BOOK A-330

PRELIMINARY OATHS OF ASSISTANTS.

We, E. Hull and O. E. Brashears 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 Subdivisions of T. 4 N., R. 6 W. of Uintah Special Base and Mer.

E. Hull, Chainman.

O. E. Brashears, Chainman.

Subscribed and sworn to before me this 8th day of November, 1904

Washington Jenkins
U. S. Deputy Surveyor

SEAL

I, We, Henry Clift and

do solemnly swear that I will well and truly perform the duties of moundman in the establishment of corners, according to the instructions given me, to the best of my skill and ability, in the survey of Subdivisions of T. 4 N., R. 6 W. of Uintah Special Base and Meridian, U

Henry Clift, Moundman.

, Moundman.

Subscribed and sworn to before me this 8th day of November, 1904

Washington Jenkins
U. S. Deputy Surveyor

SEAL

I, We, Joseph Turner and

do solemnly swear that I will well and truly perform the duties of axman in the establishment of corners and other duties, according to instructions given me, to the best of my skill and ability, in the survey of Subdivisions of T. 4 N., R. 6 W., of Uintah Special Base and Meridian,

Joseph Turner, Axman.

, Axman.

Subscribed and sworn to before me this 8th day of November, 1904

Washington Jenkins
U. S. Deputy Surveyor

SEAL

I, Alvin Johnston, 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 Subdivisions of T. 4 N., R. 6 W., of Uintah Special Base and Mer

Alvin Johnston, Flagman

Subscribed and sworn to before me this 8th day of November, 1904

Washington Jenkins
U. S. Deputy Surveyor

SEAL

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SUBDIVISIONS OF T.4 N.,R.6 W.

CHAINS

Survey commenced NOV.8,1904,and executed with the instrument described in book "A" of this survey.
I examine the adjustments of the transit and correct the level and collimation errors;then,to test the solar apparatus,by comparing its indications resulting from solar observations made during a.m.and p.m.hours with a meridian determined by observations on Polaris,I proceed as follows: At the corner of secs.1,2,35,and 36 on the south boundary of the Tp.,which is a quartzite stone,14x12x6 ins.above ground,marked and witnessed as described by Francis M.Lyman,Jr.,D.S.,under his cont. No.274,lat.40°41'59" 'N,long.110°31'35" 'W.;I set off 40°42'N.on the lat.arc;16 37' S. on decl.arc;and at 4h p.m.,l.m.t.,determine with the solar a meridian and mark a point thereof on a stone firmly set in the ground 5 chs.N.of the cor. Nov.8,1904.

Nov.9,1904.
At 4h 15m a.m.,l.m.t.,I observe Polaris at western elongation according to Manual of Instructions,and mark a point in the line thus determined by a peg driven in the ground,5 chs.N.of my station.
At 8h a.m.,I lay off the azimuth of Polaris,1°30' to the east and mark the meridian thus determined by cutting a small groove in the stone set last night,on which the meridian falls 0.3 ins.east of the mark determined by the solar.
At 8h a.m.,l.m.t.,I set off 40°42'on the lat.arc;16°48' S.on the decl.arc;and mark a point in the meridian determined with the solar ,by a cross on the stone already set 5 chs.N.of my station;this mark falls 0.2 ins.east of the meridian established by the Polaris observation.
The solar apparatus,by pm.and am.observations,defines

SUBDIVISIONS OF T.4 N.,R.6 W.

CHAINS.

positions for meridians,respectively about 0'16" west and 0'16"east of the mridian established by the Polaris observations;therefore I conclude that the adjustments of the instrument are satisfactory.

The magnetic bearing of the true meridian,at 8h 30m a.m.,is N.16°36'W.;the angle thus determined gives the mag.decl.16°36'E.

From the sec.cor.,I retrace S.89°54'E.,on the S.bdy.of sec.36,and at 40.01 chs., intersect the ¼ sec.cor.;and at 80.01 chs.,fall 1 lk. N.of the cor.of Tps.3 and 4 N.,Rs.5 and 6 W.;therefore the line bears S.89°54'E.

From the Tp.cor.,I run north on the E.bdy.of the Tp., and at 40.01 chs.intersect ¼ sec.cor.;and at 79.99 chs. fall 1 lk.E.of the cor.of secs.25-30-31 and 36;consequently the east bdy.of sec.36 bears north.

Therefore the bearings are as stated by deputies Francis M.Lyman,Jr.,and James F.Trotter,and my chaining agrees with the field notes of the original survey.

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

N.0°01'W.,bet.secs.35 and 36.

Ascend over mountainous land through heavy pine timber.

40.00 Set a sandstone,20x12x6 ins.,15 ins.in the ground,for ¼ sec.cor.,marked ¼ on W.face;from which

A pine,6 ins.diam.,bears N.35°E.,38 lks.dist., marked ¼ S 36 B T.

A pine,8 ins.diam.,bears S.19°30'W.,18 lks.dist., marked ¼ S. 35 B T.

52.00 Top of ridge bears NW.and SE.

Descend.

60.00 Head of hollow,course NE.

Ascend.

Leave timber,bearing NW.and SE.

SUBDIVISIONS OF T.4 N.,R.6 W.

CHAINS	
80.00	On top of spur projecting NE.,
	Set a sandstone,18x10x6 ins.,12 ins.in the ground,for cor.of secs.25-26-35 and 36,marked with 1 notch on the S.and E.edges;from which
	A pine,7 ins.diam.,bears N.40°E.,2.25 chs.dist., marked T 4 N R 6 W S 25 B T.
	A pine,10 ins.diam.,bears S.27°E.,35 lks.dist., marked T 4 N R 6 W S 36 B T.
	A pine,18 ins.diam.,bears S.25°W.,2.35 chs.dist., marked T 4 N R 6 W S 35 B T.
	A pine,7 ins.diam.,bears N.75°W.,28 lks.dist., marked T 4 N R 6 W S 26 B T.
	Land,mountainous.
	Soil;rocky,3rd rate.
	Timber,pine.
	Mountainous land or heavily timbered on 80.00 chs.

	S.89°54'E.on a random line bet.secs.25 and 36.
40.00	Set temp.$\frac{1}{2}$ sec.cor.
79.90	Intersect E.bdy.of the Tp.,16 lks.S.of the cor.of secs. 25-30-31 and 36,which is a sandstone,14x7x5 ins.above ground,firmly set and marked and witnessed as described by Deputy,James F.Trotter,under his contract No.273.
	Thence I run
	S.89°59'W.,on a true line
	bet.secs.25 and 36.
	Descend abruptly over mountainous land through heavy pine timber.
28.00	Foot of abrupt descent bears NW.and SE.
	Begin more gradual descent.
39.95	Set a sandstone,16x10x8 ins.,11 ins.in the ground,for $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on N.face;from which
	A pine,12 ins.diam.,bears N.18°E.,47 lks.dist., marked $\frac{1}{4}$ S 25 B T.
	A

SUBDIVISIONS OF T.4 N.,R.6 W.

CHAINS	
	A pine,6 ins.diam.,bears S.36°30'W.,26 lks.dist., marked ¼ S 36 B T.
69.00	Bottom of hollow,100 ft.deep,course N.
	Ascend.
	Leave heavy and enter scattering cedar timber.
79.90	The cor.of secs.25-26-35 and 36.
	Land,mountainous.
	Soil;rocky,3rd rate.
	Timber,pine.
	Mountainous or heavily timbered land on 79.90 chs.
	Nov.9:At this cor.,I set off 16° 32'E.on mol.arc; and at 11h 44m a.m.,l.m.t.,observe the sun on the meridian;the resulting lat.is 40°43'N.

	N.0°01'W.,bet.secs.35 and 26.
	Descend over mountainous land through scattering pine timber.
14.00	Creek,10 lks.wide,4 ins.deep,in bottom of hollow,200 ft.deep,course SW.
	Begin abrupt ascent over slide rock.
	Leave timber.
25.50	Set a sandstone,36x12x5 ins.,27 ins.in the ground,for witness cor.to ¼ sec.cor.,marked W C ¼ on W.face;and raise a mound of stone,2 ft.base,1½ ft.high,W.of cor.
	Pits impracticable.
40.00	Point for ¼ sec.cor.falls on loose slide rock and cannot be set.
54.00	Top of abrupt ascent bears E.and W.
	Ascend gradually over high plateau.
80.00	Point for cor.falls on a sandstone rock in place, 4x3x2 ft.above ground;cut a cross at exact cor.point for cor.of secs.23-24-25 and 26,marked with 2 notches on the S.and 1 notch on the E.side of cross;

SUBDIVISIONS OF T.4 N.,R.6 W.

CHAINS	
	and raise a mound of stone,2 ft.base,1½ ft.high,W.of cor.
	Pits impracticable.
	Land,mountainous.
	Soil;rocky,3rd rate.
	Timber,pine.
	Mountainous land on 80.00 chs.

	N.89°59'E.on a random line bet.secs.24 and 25.
40.00	Set temp.¼ sec.cor.
80.12	Intersect E.bdy.of the Tp.,12 lks.N.of the cor.of secs. 19-24-25 and 30,which is a sandstone,14x7x5 ins.above ground,firmly set and marked and witnessed as,described by Deputy James.F.Trotter,under his contract No.273.
	Thence I run
	N.89°56'W.,on a true line
	bet.secs.24 and 25.
	Ascend over mountainous land.
34.00	Begin more abrupt ascent over loose slide rock.
40.06	Point for ¼ sec.cor.falls on loose slide rock and cannot be set.
43.00	Leave slide rock.
	Set a sandstone,24x12x6 ins.,18 ins.in the ground,for witness cor.to ¼ sec.cor.,marked W C ¼ on N.face; and raise a mound of stone,2 ft.base,1½ ft.high,N.of cor.
	Pits impracticable.
60.00	Top of abrupt ascent bears NE.and SW.
	Begin gradual ascent over high plateau.
80.12	The cor.of secs.23-24-25 and 26.
	Land,mountainous.
	Soil;rocky,3rd rate.
	Timber,none.
	Mountainous land on 80.12 chs.
	E. Nov.9,1904.

SUBDIVISIONS OF T.4 N.,R.6 W.

CHAINS	
	Nov.10:At 8h.a.m.,l.m.t.,I set off 40°4¼'N.on the lat. arc;17°05'S.on the decl.arc;and determine a meridian with the solar at the cor.of secs.23-24-25 and 26.
	Thence I run
	N.0°01'W.,bet.secs.23 and 24.
	Ascend over rolling plateau.
21.00	Descend.
30.00	Begin abrupt descent from plateau,over sandstone cliffs.
	Top of abrupt descent bears NE.and SW.
	Enter heavy pine timber,bearing NE.and SW.
40.00	Point for ¼ sec.cor.falls on face of perpendicular sandstone ledge and cannot be set.
50.00	Foot of abrupt descent bears NE.and SW.
	S.edge.of lake,area about 2 acres bears NE.and SW.
54.00	Set a sandstone,18x10x5 ins.,12 ins.in the ground,for witness cor.to ¼ sec.cor.,marked W C ¼ on W.face;from which
	A pine,14 ins.diam.,bears N.52°E.,32 lks.dist., marked W C ¼ S 24 B T.
	A pine,14 ins.diam.,bears S.87°30'W.,89 lks.dist., marked W C ¼ S 23 B T.
	N.edge of lake bears NE.and SW.
56.00	Top of spur projects SW.
	Descend.
68.00	Creek,5 lks.wide,2 ins.deep,in bottom of hollow,100 ft. deep,course SW.
	Ascend.
80.00	Set a sandstone,18x12x8 ins.,12 ins.in the ground,for cor.of secs.13-14-23 and 24,marked with 3 notches on the S.and 1 notch on the E.edge;from which
	A pine,12 ins.diam.,bears N.53°E.,77 lks.dist., marked T 4 N R.6 W S 13 B T.
	A pine,12 ins.diam.,bears S.55°E.,17 lks.dist., marked T 4 N R 6 W S 24 B T.

SUBDIVISIONS OF T.4 N.,R.6 W.

CHAINS	
	A pine,10 ins.diam.,bears S.55°15'W.,54 lks.dist., marked T 4 N R 6 W S 23 B T.
	A pine,14 ins.diam.,bears N.72°W.,44 lks.dist., marked T 4 N R 6 W S 14 B T.
	Land,mountainous.
	Soil;rocky,3rd rate.
	Timber,pine.
	Mountainous land or heavily timbered land on 80.00 chs.

	S.89°56'E.on a random line bet.secs.13 and 24.
40.00	Set temp.$\frac{1}{4}$ sec.cor.
80.10	Intersect E.bdy.of the Tp.,8 lks.S.of the cor.of secs. 13-18-19 and 24,which is a sandstone,7x7x7 ins.above ground,firmly set and marked and witnessed as,described by Deputy James F.Trotter,under his contract No.273.
	Thence I run S.89°59'W.,on a true line bet.secs.13 and 24.
	Descend abruptly over rocky land.
37.00	Foot of abrupt descent bears NE.and SW.Descend gradually.
40.05	Set a sandstone,18x8x8 ins.,12 ins.in the ground,for $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on N.face;and raise a mound of stone,2 ft.base,1$\frac{1}{2}$ ft.high,N.of cor.
	Pits impracticable.
52.00	Creek,5 lks.wide,3 ins.deep,in bottom of hollow,200 ft.deep,course SW.
	Begin abrupt ascent.
55.00	Top of spur projects SE.
	Enter heavy pine timber,bearing NE.and SW.
	Descend.
80.10	The cor.of secs.13-14-23 and 24.
	Land,mountainous.
	Soil;rocky,3rd rate.
	Timber,pine.

SUBDIVISIONS OF T.4 N.,R.6 W.

CHAINS	
	Mountainous or heavily timbered land on 80.10 chs.
	Nov.10:At this cor.,I set off17°10'E.on the decl.arc;and at 11h 44m a.m.,l.m.t.,observe the sun on the meridian; the resulting lat.is 40°45'N.

	N.0°01'W.,bet.secs.13 and 14.
	Descend over mountainous land through heavy pine timber.
9.00	Creek,5 lks.wide,3 ins.deep,in bottom of hollow,100 ft.deep,course SW.
	Ascend. Leave heavy and enter scattering pine timber.
18.00	Top of spur projects SW.
	Descend.
26.00	Bottom of draw,100 ft.deep,course SW.
	Ascend.
35.00	Top of ridge bears NE.and SW.
	Descend.
40.00	Set a sandstone,16x10x5 ins.,11 ins.in the ground,for ¼ sec.cor.,marked ¼ on W.face;from which A pine,12 ins.diam.,bears N.39°15'E.,55 lks.dist., marked ¼ S 13 B T. A pine,8 ins.diam.,bears N.58°15'W.,50 lks. dist. marked ¼ S 14 B T.
40.50	Creek,10 lks.wide,5 ins.deep,in bottom of hollow,100 ft.deep,course SW.
	Ascend.
50.00	Leave scattering pine timber.
68.00	Point of spur projects S.
	Thence along top of spur.
80.00	Set a sandstone,16x10x6 ins.,11 ins.in the ground,for cor.of secs.11-12-13 and 14,marked with 4 notches on the S.and 1 notch on the E.edge;and raise a mound of stone,2 ft.base,1½ ft.high,W.of cor.
	Pits impracticable.

SUBDIVISIONS OF T.4 N.,R.6 W.

CHAINS	
	Land,mountainous.
	Soil;rocky,3rd rate.
	Timber,pine.
	Mountainous or heavily timbered land on 80.00 chs.

	N.89°59'E.on a random line bet.secs.12 and 13.
40.00	Set temp.$\frac{1}{4}$ sec.cor.
80.04	Intersect E.bdy.of the Tp.,5 lks.S.of the cor.of secs. 7-12-13 and 18,which is a sandstone,12x12x5 ins.above ground,firmly set and marked and witnessed as,described by Deputy James F.Trotter under his contract No.273.
	Thence I run
	S.89°57'W.,on a true line
	bet.secs.12 and 13.
	Ascend over mountainous land.
13.00	Top of ridge bears N.and S. Descend.
33.00	Bottom of hollow,100 ft.deep,course S. Ascend.
40.02	Set a sandstone,16x10x5 ins.,11 ins.in the ground,for $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on N.face;and raise a mound of stone, 2 ft.base,1½ ft.high,N.of cor.
	Pits impracticable.
	This cor.falls on top of ridge bearing N.and S.
	Descend.
66.00	Bottom of draw,100 ft.deep,course S.
	Ascend.
80.04	On top of spur projecting S.
	The cor.of secs.11-12-13 and 14.
	Land,mountainous.
	Soil;rocky,3rd and 4th rate.
	No timber.
	Mountainous land,on 80.04 chs.

	Knowing the line bet.secs.11 and 12,intersects the N. bdy.of Uintah Indian Reservation,I run
	N.0°01'W.on a true line

SUBDIVISIONS OF T.4 N.,R.6 W.

CHAINS

Bet.secs.11 and 12.

Ascend over slide rock and sandstone boulders along top of spur, projecting S.

40.00 Set a sandstone, 18x7x5 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. Begin abrupt ascent.

60.10 Top of high ridge bears NW. and SE.

Intersect N.bdy. of Uintah Indian Reservation.

Set a sandstone, 20x10x8 ins.; 15 ins. in the ground, for closing cor. of secs.11 and 12, marked

C C U I R on the S.,

U F R on the N., with 1 groove on the E. and 5 grooves on the W.face; and raise a mound of stone, 2 ft. base, 1½ ft. high, S. of cor.

Pits impracticable.

From, the closing cor., the ½ Mile cor., bet. the 37 Mile and the 38, Mile Cor. on the bdy., as established by Deputies A.H. and F.H. Brown bears N.66°15'E.6.15 chs. dist.

Land, mountainous.

Soil; rocky, 3rd and 4th rate.

No timber.

Mountainous land on 60.10 chs.

Knowing the line bet.secs.1 and 12 intersects the N.bdy. of Uintah Indian Reservation, I commence at the cor. of secs.1-6-7 and 12, which is a sandstone, 20x8x5 ins. above ground, firmly set and marked and witnessed as described by Deputy James F. Trotter, under his contract No.273. Thence I run
West on a true line bet.secs.1 and 12.

Ascend over mountainous land on top of ridge bearing NE. and SW.

13.25 Intersect N.bdy. of Uintah Indian Reservation.

SUBDIVISIONS OF T.4 N.,R.6 W.

CHAINS

Set a sandstone,24x13x8 ins.,18 ins.in the ground,for closing cor.of secs.1 and 12,marked

C C on the E.,

U I R with 5 grooves on the S.,

U F R with 1 groove on the N.face;and raise a mound of stone,2 ft.base,1½ ft.high,E.of cor.

Pits impracticable.

From the closing cor.,the ½ Mile cor.,bet.the 36 Mile and 37 Mile Cors.,on the bdy.,as established by deputies A.H.and F.M.Brown,bears S.60°W.,6 .53 chs.dist.

Land,mountainous.

Soil;rocky,3rd and 4th rate.

No timber.

Mountainous land on 13.25 chs.

Nov.10,1904.

Nov.11:At 8h a.m.,l.m.t.,I set off 40°42'N.on the lat.arc;17°22'S on the decl.arc;and determine a meridian with the solar at the cor.of secs.2-3-34 and 35,on S.bdy. Tp.,a sandstone,12x8x5 ins.above ground,marked as described by Deputy Francis M.Lyman Jr.,under his cont.No.274.

Thence I run

N.0°02'W.,bet.secs.34 and 35.

Descend over rocky land through scattering cedar timber.

27.00 Enter heavy fire killed.pine timber,over dead and fallen.timber.

40.00 Set a sandstone,18x10x4 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.

45.00 Descend. Enter heavy pine timber,bearing E.and W.

80.00 Point for cor.falls on a sandstone rock in place,24x24 x 7 ins.above ground;I cut a cross (x) at exact cor.point for cor.of secs.26-27-34 and 35,marked with 1 groove on the S.and 2 grooves on the E.side of cross;from which

SUBDIVISIONS OF T.4 N.,R.6 W.

CHAINS	
	A pine,14 ins.diam.,bears N.58°E.,34 lks.dist., marked T 4 N R 6 W S 26 B T.
	A pine,10 ins.diam.,bears S.35°E.,25 lks.dist., marked T 4 N R 6 W S 35 B T.
	A pine,10 ins.diam.,bears S.21°W.,11 lks.dist., marked T 4 N R 6 W S 34 B T.
	A pine,6 ins.diam.,bears N.46°30'W.,39 lks.dist., marked T 4 N R 6 W S 27 B T.
	Land,mountainous.
	Soil;rocky,3rd and 4th rate.
	Timber,pine.
	Mountainous land or heavily timbered on 80.00 chs.

	S.89°54'E.on a random line bet.secs.26 and 35.
40.00	Set temp.¼ sec.cor.
80.08	Intersect N.and S.line,12 lks.S.of the cor.of secs. 25-26-35 and 36.
	Thence I run
	N.89°59'W.,on a true line
	bet.secs.26 and 35.
	Descend over mountainous land through heavy pine timber.
14.00	Bottom of hollow,100 ft.deep,course NW.
	Ascend.
25.00	Top of ridge bears NW.and SE.
	Descend.
40.04	Set a sandstone,16x10x10 ins.,11 ins.in the ground,for ¼ sec.cor.,marked ¼ on N.face;from which
	A pine,10 ins.diam.,bears N.38°W.,25 lks.dist., marked ¼ S 26 B T.
	A pine,12 ins.diam.bears S.52°30'E.,24 lks.dist., marked ¼ S 35 B T.
	Begin abrupt descent.

SUBDIVISIONS OF T.4 N.,R.6 W.

CHAINS	
76.00	Bottom of abrupt descent bears N.and S.
	Begin gradual descent along creek bottom land.
80.08	The cor.of secs.26-27-34 and 35.
	Land,mountainous.
	Soil;rocky,3rd and 4th rate.
	Timber,pine.
	Mountainous and heavily timbered land on 80.08 chs.

	N.0°02'W.,bet.secs.26 and 27.
	Ascend through heavy pine timber,over mountainous land.
10.00	Point of spur projects W.
	Descend.
40.00	Set a sandstone,16x12x4 ins.,11 ins.in the ground,for ¼ sec.cor.,marked ¼ on W.face;from which
	A pine,14 ins.diam.,bears east,21 lks.dist., marked ¼ S 26 B T.
	A pine,14 ins.diam.,bears S.73°W.,10 lks.dist., marked ¼ S. 27 B T.
45.25	Creek,30 lks.wide,6 ins.deep,course SW.
	Ascend.
80.00	Set a sandstone,14x8x6 ins.,9 ins.in the ground,for cor.of secs.22-23-26 and 27,marked with 2 notches on the S.and E.edge;from which
	A pine,10 ins.diam.,bears N.55°E.,21 lks.dist., marked T 4 N R 6 W S 23 B T.
	A pine,16 ins.diam.,bears S.77°30'E.,55 lks.dist., marked T 4 N R 6 W S 26 B T.
	A pine,14 ins.diam.,bears S.28°W.,26 lks.dist., marked T 4 N R 6 W S 27 B T.
	A pine,8 ins.diam.,bears N.43°30'W.,10 lks.dist., marked T 4 N R 6 W S 22 B T.
	Land,mountainous.
	Soil;rocky and sandy 3rd rate.

SUBDIVISIONS OF T.4 N.,R.6 W.

CHAINS	
	Timber,pine.
	Mountainous and heavily timbered land on 80.00 chs.
	Nov.11:At this cor.,I set off 17°27' E. on the decl.arc: and at 11h44m a.m.,l.m.t.,observe the sun on the meridian:the resulting lat.is 40°44'N.
	S.89°59'E.on a random line bet.secs.23 and 26.
40.00	Set temp.¼ sec.cor.
80.10	Intersect N.and S.line,12 lks.S.of the cor.of secs. 23-24-25 and 26.
	Thence I run S.89°56'W.,on a true line bet.secs.23 and 26.
	On top of high plateau,descend gradually.
6.00	Begin abrupt descent over slide rock and sandstone ledges.
31.00	Foot of abrupt descent bears N.and S.
	Begin more gradual descent,through heavy pine timber.
40.05	Set a sandstone,16x8x4 ins.,11 ins.in the ground,for ¼ sec.cor.,marked ¼ on N.face:from which A pine,6 ins.diam.,bears N.49°30'E.,20 lks.dist., marked ¼ S 23 B T. A pine,12 ins.diam.,bears S.7°30'W.,26 lks.dist., marked ¼ S 26 B T.
64.50	Creek,30 lks.wide,8 ins.deep,course S.
75.00	Spring branch,4 lks.wide,2 ins.deep,course SE.
	Ascend.
80.10	The cor.of secs.22-23-26 and 27.
	Land,mountainous.
	Soil:rocky and sandy 3rd and 4th rate.
	Timber,pine.
	Mountainous or heavily timbered land on 80.10 chs.

SUBDIVISIONS OF T.4 N.,R.6 W.

CHAINS	
	N.0°02'W.,bet.secs.22 and 23.
	Descend over mountainous land through heavy pine timber.
1.00	Spring branch,4 lks.wide,2 ins.deep,course E.
	Ascend.
6.00	Point of spur projects E.
	Descend.
9.00	Creek,30 lks.wide,8 ins.deep,course SE.
	Ascend.
25.00	Point of spur projects W.
	Descend.
29.00	Same creek,30 lks.wide,8 ins.deep,course SW.
	Ascend.
40.00	Set a sandstone,19x8x6 ins.,14 ins.in the ground,for ¼ sec.cor.,marked ¼ on W.face;from which A pine,12 ins.diam.,bears N.85°E.,27 lks.dist., marked ¼ S 23 B T. A pine,8 ins.diam.,bears S 46°W.,13 lks.dist., marked ¼ S 22 B T.
46.50	Top of spur projects SE.
	Descend.
58.50	Creek,14 lks.wide,4 ins.deep,course SE.
	Ascend.
80.00	Set a sandstone,16x10x6 ins.,11 ins.in the ground,for cor.of secs.14-15-22 and 23,marked with 3 notches on the S.and 2 notches on the E.edge;from which A pine,12 ins.diam.,bears N.79°E.,96 lks.dist., marked T 4 N R 6 W S 14 B T. A pine,12 ins.diam.,bears S.14°E.,72 lks.dist., marked T 4 N R 6 W S 23 B T. A pine,10 ins.diam.,bears S.24°W.,42 lks.dist., marked T 4 N R 6 W S 22 B T. A pine,10 ins.diam.,bears N.23°30'W.,70 lks.dist., marked T 4 N R 6 W S 15 B T.

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SUBDIVISIONS OF T. 4 N., R. 6 W.

CHAINS	
	Land, mountainous.
	Soil; rocky and sandy 3rd rate.
	Timber, pine.
	Mountainous and heavily timbered land on 80.00 chs.
	N. 89°56' E. on a random line bet. secs. 14 and 23.
40.00	Set temp. ¼ sec. cor.
80.16	Intersect N. and S. line, 5 lks. N. of the cor. of secs. 13-14-23 and 24,
	Thence I run
	S. 89°58' W., on a true line
	bet. secs. 14 and 23.
	Descend over rocky land through heavy pine timber.
18.50	Creek, 10 lks. wide, 4 ins. deep, course SW.
	Ascend.
30.00	Top of spur projects SW.
	Descend.
32.00	Creek, 10 lks. wide, 4 ins. deep, course SW., in bottom of hollow, course SW., 100 ft. deep,
	Ascend.
40.08	Set a sandstone, 18x12x6 ins., 12 ins. in the ground, for ¼ sec. cor., marked ¼ on N. face; from which
	A pine, 10 ins. diam., bears N. 14° E., 65 lks. dist., marked ¼ S 14 B T.
	A pine, 12 ins. diam., bears S. 13° W., 53 lks. dist., marked ¼ S 23 B T.
80.16	The cor. of secs. 14-15-22 and 23.
	Land, mountainous.
	Soil; rocky, 3rd rate.
	Timber, pine.
	Mountainous and heavily timbered land on 80.16 chs.

Nov. 11, 1904.

SUBDIVISIONS OF T.4 N.,R.6 W.

CHAINS	
	Nov.18: At 8h a.m.,l.m.t.,I set off 40°45' N.on the lat. arc;17°39' S. on decl.arc;and determine a meridian with the solar at the cor.of secs.14-15-22 and 23.
	Thence I run
	N.0°02'W.,bet.secs.14 and 15.
	Ascend over mountainous land through scattering pine timber.
14.00	Point of spur projects E.
	Descend.
16.00	Bottom of hollow,75 ft.deep,course SE.
	Ascend.
30.00	Top of spur projects SE.
	Descend.
40.00	Set a sandstone,14x10x5 ins.,9 ins.in the ground,for ¼ sec.cor.,marked ¼ on W.face;from which
	A pine,10 ins.diam.,bears N.48°W.,74 lks.dist., marked ¼ S 15 B T.
	A pine,12 ins.diam.,bears S.52°E.,81 lks.dist., marked ¼ S 14 B T.
46.00	Head of hollow,course SE.
52.00	Top of spur projects E.
	Descend. Leave timber.
60.00	Bottom of hollow,100 ft.deep,course NE.
	Ascend.
80.00	Set a sandstone,18x10x6 ins.,12 ins.in the ground,for cor.of secs.10-11-14 and 15,marked with 4 notches on the S.and 2 notches on the E.edge;and raise a mound of stone, 2 ft.base,1½ ft.high,W.of cor.
	Pits impracticable.
	Land,mountainous.
	Soil;rocky,3rd rate.
	Timber,pine.
	Mountainous or heavily timbered land on 80.00 chs.

SUBDIVISIONS OF T.4 N.,R.6 W.

CHAINS	
	N.89°58'E.on a random line bet.secs.11 and 14.
40.00	Set temp.$\frac{1}{4}$ sec.cor.
80.02	Intersect N.and S.line,9 lks.N.of the cor.of secs. 11-12-13 and 14.
	Thence I run
	N.89°58'W.,on a true line
	bet.secs.11 and 14.
	Descend over mountainous land.
40.01	Set a sandstone,16x10x4 ins.,11 ins.in the ground,for $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on N.face;and raise a mound of stone,2 ft.base,1$\frac{1}{2}$ ft.high,N.of cor.
	Pits impracticable.
72.00	Creek,9 lks.wide,3 ins.deep,in bottom of hollow,100 ft. deep,course S.
	Ascend.
80.02	The cor.of secs.10-11-14 and 15.
	Land,mountainous.
	Soil;rocky,3rd and 4th rate.
	No timber.
	Mountainous land on 80.02 chs.

	N.0°02'W.,bet.secs.10 and 11.
	Ascend over mountainous land.
4.00	Point of spur projects E.
	Descend.
40.00	Set a sandstone,20x10x4 ins.,15 ins.in the ground,for $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on W.face;and raise a mound of stone,2 ft.base,1$\frac{1}{2}$ ft.high,W.of cor.
	Pits impracticable.
60.00	Creek,4 lks.wide,2 ins.deep,in bottom of hollow,150 ft. deep,course SE.
	Begin abrupt ascent.
80.00	Set a sandstone,18x10x8 ins.,12 ins.in the ground,for cor.of secs.2-3-10 and 11,marked with 5 notches on

SUBDIVISIONS OF T.4 N.,R.6 W.

CHAINS	
	the S.and 2 notches on the E.edge;and raise a mound of stone,2 ft.base,1½ ft.high,W.of cor.
	Pits impracticable.
	Land,mountainous.
	Soil;rocky,3rd and 4th rate.
	No timber.
	Mountainous land on 80.00 chs.
	Nov.12:At this cor.,I set off17°43'S.on the decl.arc; and at 11h 44m a.m.,l.m.t.,observe the sun on the meridian;the resulting lat.is 40°46'N.

	Knowing the line bet.secs.2 and 11 intersects the N.bdy.of Uintah Indian Reservation,I run
	East on a true line bet.secs.2 and 11.
	Ascend along steep S.slope.
40.00	Set a sandstone,18x12x6 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.
	This cor.falls on top of spur projecting SW.
	Descend.
43.00	Head of hollow,course S.
	Begin abrupt ascent over rock slide and boulders.
58.30	On top of ridge bearing NW.and SE.
	Intersect N.bdy.of Uintah Indian Reservation.
	Set a sandstone,20x12x4 ins.,15 ins.in the ground,for closing cor.of secs.2 and 11,marked
	C C on W.,
	U I R with 5 grooves on the S.,and
	U F R with 4 grooves on the N.face;and
	raise a mound of stone,2 ft.base,1½ ft.high,W.of cor.
	Pits impracticable.
	Land,mountainous.
	Soil;rocky,3rd and 4th rate.

SUBDIVISIONS OF T.4 N.,R.6 W.

CHAINS	
	No timber.
	Mountainous land on 58 . 30 chs.
	From the closing cor., the 38 Mile cor. on the bdy., as established by deputies A.H. and F.M. Brown, bears N.36°30'W., 0.70 chs. dist.

	Knowing the line bet. secs. 3 and 10 intersects N. bdy. of of Uintah Indian Reservation, I. run from cor. secs. 2, 3, 10, and West on a true line bet. secs. 3 and 10.
	Descend along steep south slope over mountainous land.
20.00	Head of hollow, course SE. Ascend abruptly over rock slide.
40.00	On top of high ridge bearing NE. and SW., Set a sandstone, 16x8x7 ins., 11 ins. in the ground, for ¼ sec. cor., marked ¼ on N. face; and raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor. Pits impracticable.
42.94	Intersect N. bdy. of Uintah Indian Reservation. Set a sandstone, 24x11x6 ins., 18 ins. in the ground, for closing cor. of secs. 3 and 10, marked C C on E., U I R with 5 grooves on the S., and U F R with 1 groove on the N. face; and raise a mound of stone, 2 ft. base, 1½ ft. high, E. of cor. Pits impracticable.
	From the closing cor., the 40 Mile Cor. on the bdy., as established by deputies A.H. and F.M. Brown, bears S.42° 30'W., 19.20 chs. dist.
	Land, mountainous.
	Soil: rocky, 4th rate.
	No timber.
	Mountainous land on 42.94 chs.

SUBDIVISIONS OF T.4 N.,R.6 W.

CHAINS

Knowing the line bet.secs.2 and 3 intersects the N.bdy. of Uintah Indian Reservation,I run from cor.secs.2,3,10, and 11 N.0°02'W.,on a true line bet.secs.2 and 3.

Ascend abruptly over rock slide.
36.27 On top of ridge,bearing NW.and SE.
Intersect the N.bdy.of the Reservation.

Set a sandstone,24x10x8 ins.,18 ins.in the ground,for closing cor.of secs.2 and 3,marked

C C U I R on the S.,

U F R on the N.,with 2 grooves on the E.and 4 grooves on the W.face;and raise a mound of stone, 2 ft.base,1½ ft.high,S.of cor.

Pits impracticable.

From the closing cor.,the 39 Mile cor.on the bdy., as established by deputies A.H.and F.M.Brown,bears N.78°30'W.,7 .40 chs.dist.

Land,mountainous.Soil;rocky,4th rate. No timber.
Mountainous land on 36.27 ch.

Nov.12,1904.

Nov.13:At 8h a.m.,l.m.t.,I set off 40°42'N.on the lat. arc;17°53'S.on the decl.arc;and determine a mer.with the solar,at cor.of secs.3,4,33,and 34 on S.bdy.of Tp.which is a sandstone,10x5x5 ins.above ground,firmly set and marked and witnessed as described by Deputy Lyman,under this contract No.274. Thence I run

N.0°02'W.,bet.secs.33 and 34.

Descend over rocky land.

19.00 Creek,50 lks.wide,1 ft.deep,course SW.

Ascend,along SW.slope,through heavy pine timber.

40.00 Point for ¼ sec.cor.;falls on a sandstone rock,in place, 5x3x2 ft.above ground;cut a cross (x)at exact cor.point, for ¼ sec.cor.,marked ¼ on W.side of cross; from which

A pine,10 ins.diam.,bears N.41°E.,29 lks.dist., marked ¼ S 34 B T.

A pine,11 ins.diam.,bears N.30°W.,32 lks.dist.,

See corrections Note Book 4 Page 1.

SUBDIVISIONS OF T.4 N.,R.6 W.

CHAINS	
	marked $\frac{1}{4}$ S 33 B T.
78.00	Top of ridge bears NW.and SE.
	Descend.
80.00	Point for cor.falls on a sandstone rock in place;cut a cross(x) at exact cor.point,for cor.of secs.27-28-33 and 34,marked with 1 notch on the S.and 3 notches on the E.of cross;from which
	A pine,8 ins.diam.,bears N.40°30'E.,43 lks.dist., marked T 4 N R 6 W S 27 B T.
	A pine,12 ins.diam.,bears S.63°30'E.,51 lks.dist., marked T 4 N R 6 W S 34 B T.
	A pine,12 ins.diam.,bears S.33°W.,54 lks.dist., marked T 4 N R 6 W S 33 B T.
	A pine,10 ins.diam.,bears N.66°W.,82 lks.dist., marked T 4 N R 6 W S 28 B T.
	Land,mountainous.
	Soil;rocky,3rd rate.
	Timber,pine.
	Mountainous or heavily timbered land on 80.00 chs.

	S.89°54'E.on a random line bet.secs.27 and 34.
40.00	Set temp.$\frac{1}{4}$ sec.cor.
79.84	Intersect N.and S.line,19 lks.S.of the cor.of secs. 26-27-34 and 35.
	Thence I run
	S.89°58'W.,on a true line bet.secs.27 and 34.
	Descend over rocky land through heavy pine timber.
8.00	Creek,40 lks.wide,8 ins.deep,course S.
	Ascend.
39.92	Point for $\frac{1}{4}$ sec.cor.,falls on a sandstone rock in place, 4x2x1 ft.above ground;cut a cross(x) at exact cor.point for $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on N.side of cross;from which
	A pine,10 ins.diam.,bears N.32°W.,19 lks.dist.,

SUBDIVISIONS OF T.4 N.,R.6 W.

CHAINS	
	marked ¼ S 27 B T.
	A pine,12 ins.diam.,bears S.79°W.,40 lks.dist., marked ¼ S 34 B T.
53.00	Top of spur projects S.
	Descend.
58.00	Creek,6 lks.wide,4 ins.deep,course S.
	Ascend.
79.84	The cor.of secs.27-28-33 and 34.
	Land,mountainous.
	Soil;rocky and sandy 3rd rate.
	Timber,pine.
	Mountainous land and heavily timbered on 79.84 chs.

	N.0°02'W.,bet.secs.27 and 28.
	Descend abruptly over mountainous land through heavy pine timber.
8.00	Bottom of abrupt descent bears E.and W.
	Begin gradual descent.
18.00	S.edge of lake,area about 2 acres bears E.and W.
20.00	N.edge of lake bears E.and W.
	Ascend.
26.00	Descend.
35.50	W.edge of lake,area about 5 acres,bears NE.and SE., at inlet creek,5 lks.wide,course SE.
	Ascend.
40.00	Set a sandstone,18x12x6 ins.,12 ins.in the ground,for ¼ sec.cor.,marked ¼ on W.face;from which
	A pine,12 ins.diam.,bears N.42°30'E.,40 lks.dist., marked ¼ S 27 B T.
	A pine,8 ins.diam.,bears N.19°W.,26 lks.dist., marked ¼ S 28 B T.
80.00	Set a sandstone,16x10x8 ins.,11 ins.in the ground,for cor.of secs.21-22-27 and 28,marked with 2 notches on the S.and 3 notches on the E.edge;from which

SUBDIVISIONS OF T.4 N.,R.6 W.

CHAINS

m A pine,8 ins.diam.,bears N.69°30'E.,31 lks.dist., marked T 4 N R 6 W S 22 B T.
A pine,12 ins.diam.,bears S.18°E.,80 lks.dist., marked T 4 N R 6 W S 27 B T.
A pine,14 ins.diam.,bears S.42°W.,33 lks.dist., marked T 4 N R 6 W S 28 B T.
A pine,16 ins.diam.,bears N.36°W.,52 lks.dist., marked T 4 N R 6 W S 21 B T.

Land,mountainous.

Soil;rocky,and sandy,3rd rate.

Timber,pine.

Mountainous and heavily timbered land on /80.00 chs.

Nov.13:At this cor.,I set off17°59'S.on the decl.arc; and at 11h 44ma.m.,l.m.t.,observe the sun on the meridian ;the resulting lat.is 40°44'N.

N.89°58'E.on a random line bet.secs.22 and 27.

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

80.06 Intersect N.and S.line,9 lks.N.of the cor.of secs. 22-23-26 and 27.

Thence I run

N.89°58'W.,on a true line bet.secs.22 and 27.

Ascend over mountainous land through heavy pine timber.

16.50 Top of spur projects SE.

Descend.

18.00 Creek,10 lks.wide,6 ins.deep,course SE.

Ascend.

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

A pine,10 ins.diam.,bears N.27°30'E.,28 lks.dist., marked $\frac{1}{4}$ S 22 B T.
A pine,10 ins.diam.,bears S.4°W.,75 lks.dist., marked $\frac{1}{4}$ S 27 B T.

SUBDIVISIONS OF T.4 N.,R.6 W.

CHAINS	
62.00	Top of ridge bears NW. and SE.
	Descend.
80.06	The cor. of secs. 21-22-27 and 28.
	Land, mountainous.
	Soil; rocky and sandy, 3rd rate.
	Timber, pine.
	Mountainous and heavily timbered land on 80.06 chs.

	N. 0°02'W., bet. secs. 21 and 22.
	Ascend over mountainous land along west slope of ridge, through heavy live pine and over dead and fallen pine timber.
40.00	Point for $\frac{1}{4}$ sec. cor., falls on a sandstone rock, in place, 20x6x2 ft. above ground; cut a cross (x) at exact cor. point for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. side of cross; from which
	A pine, 10 ins. diam., bears S. 41°E., 26 lks. dist., marked $\frac{1}{4}$ S 22 B.T.
	A pine, 16 ins. diam., bears S. 62°30'W., 37 lks. dist., marked $\frac{1}{4}$ S 21 B.T.
57.00	Begin more abrupt ascent over slide rock, bearing E. and W.
60.00	Lake, area about 4 acres, bears E., 5.00 chs. dist.
66.00	Top of abrupt ascent. Leave timber.
	Begin more gradual ascent, along steep E. slope.
80.00	Point for cor. falls on a sandstone rock in place, 4x3x2 ft. above ground; cut a cross (x) at exact cor. point, for cor. of secs. 15-16-21 and 22, marked
	4 N on NE., and 6 W on SE.; with 3 grooves on the S. and E. sides of cross; and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
	Pits impracticable.
	Land, mountainous.
	Soil; rocky and sandy, 3rd and 4th rate.
	Timber, pine.

SUBDIVISIONS OF T.4 N.,R.6 W.

CHAINS	
	Mountainous or heavily timbered land on 80.00 chs.
	S.89°58'E.on a random line bet.secs.15 and 22.
40.00	Set temp.$\frac{1}{4}$ sec.cor.
79.86	Intersect N.and S.line,12 lks.S.of the cor.of secs. 14-15-22 and 23.
	Thence I run
	S.89°57'W.,on a true line
	bet.secs.15 and 22.
	Ascend over mountainous land through scattering pine timber.
12.00	Point of spur projects SE.
	Descend.
16.00	Creek,10 lks.wide,4 ins.deep,course SE.
	Ascend.
22.00	Top of ridge bears NW.and SE.
	Descend.
31.00	Bottom of hollow,150 ft.deep,course SE.
	Ascend.
39.93	Set a sandstone,18x11x6 ins.,12 ins.in the ground,for $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on N.face;from which
	A pine,12 ins.diam.,bears N.70°E.,1.39 lks.dist., marked $\frac{1}{4}$ S 15 B T.
	A pine,10 ins.diam.,bears S.19°W.,31 lks.dist., marked $\frac{1}{4}$ S 22 B T.
75.00	Top of abrupt ascent bears NW.and SE.
	Over heavy slide rock and sandstone boulders.
79.86	The cor.of secs.15-16-21 and 22.
	Land,mountainous.
	Soil,rocky,3rd and 4th rate.
	Timber,pine.
	Mountainous land on 79.86 chs.
	Nov.13,1904.

SUBDIVISIONS OF T 4 N R 6 W

Chains	
	Nov.14: At 8 h.0 m.a.m.l.m.t.I set off 40°45'N.on the lat.arc;18°11'S.on the decl.arc;and determine a meridian with the solar at the cor.of secs.15,16,21,and 22. Thence I run
	N.0°02'W.bet.secs.15 and 16
	Ascend gradually along steep NE.slope;through scattering pine timber,over slide rock.
20.00	Descend.
27.00	Bottom of hollow 100 ft.deep,course SE.
	Ascend;leave timber.
40.00	Set a sandstone 18x10x5 ins.12 ins.in the ground for $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on W.face;and raise a mound of stone 2 ft.base 1½ ft.high W.of cor.Pits impracticable.
80.00	Point for cor.falls on a sandstone rock in place,5x3x2 ft.above ground,on which cut a cross (X) at cor.point for cor.of secs.9,10,15,and 16,marked with 4 notches on S.and 3 notches on E.of cross;and raise a mound of stone 2 ft.base 1½ ft.high W.of cor.Pits impracticable.
	Land mountainous.
	Soil rocky;3d and 4th rate.
	Timber pine.
	Mountainous land on 80.00 chs.

	N.89°57'E.on a random line bet.secs.10 and 15
40.00	Set temp.$\frac{1}{4}$ sec.cor.
79.80	Intersect N.and S.line 16 lks.S.of the cor.of secs.10,11 14,and 15.Thence I run
	S.89°50'W.on a true line bet.secs.10 and 15
	Ascend over rocky land.
6.00	Top of ridge bears N.and S. Descend.
39.50	Creek 4 lks.wide,3 ins.deep,course S.;ascend.
39.90	Set a sandstone 20x9x8 ins.15 ins.in the ground for $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on N.face;and raise a mound of stone 2 ft.base 1½ ft.high N.of cor.Pits impracticable.
50.00	Begin abrupt ascent bearing N.and S.,over slide rock.

SUBDIVISIONS OF T 4 N R 6 W

Chains.	
65.00	Top of ridge bears N.and S. Descend.
79.80	The cor.of secs.9,10,15,and 16.
	Land mountainous.
	Soil rocky;3d and 4th rate.
	No timber.
	Mountainous land on 79.80 chs.

Knowing the line bet.secs.9 and 10 intersects the N.bdy. of the Uintah Indian Reservation,I run

N.0°02'W.bet.secs.9 and 10

Ascend abruptly over slide rock.

40.00	Set a sandstone 16x9x5 ins.11 ins.in the ground for ¼ sec.cor.,marked ¼ on W.face;and raise a mound of stone 2 ft.base 1½ ft.high W.of cor.Pits impracticable.
40.12	On top of divide ridge bearing NE.and SW.
	Intersect the N.bdy.of Uintah Indian Reservation,
	Set a sandstone 16x10x10 ins.11 ins.in the ground for closing cor.of secs.9 and 10,marked
	CCUIR on S.
	UFR on N.,with 3 grooves on E.and W.faces;and

raise a mound of stone 2 ft.base 1½ ft.high S.of cor. Pits impracticable.

From the closing cor.the half-mile cor.bet.the 40th and 41st mile cors.on the bdy.as established by Deputies A. H.and F.M.Brown bears S.42°30'W.3.50 chs.dist.

Land mountainous.

Soil rocky;3d and 4th rate.

No timber.

Mountainous land on 40.12 chs.

Nov.14; At this cor.I set off 8°15'S.on the decl.arc; and at 11 h.45m.a.m.l.m.t.observe the sun on the meridian;the resulting lat.is 40°46'N.

SUBDIVISIONS OF T.4 N.,R.6 W.

CHAINS	
	W.
	From the corner of sections 4, 5, 32, and 33 on the south boundary of the township, which is a quartzite stone, 14x12x6 ins. above ground, marked and witnessed as described by Deputy Francis M.Lyman,Jr., under his cont., No.274, I run
	N.0°03'W., bet.secs.32 and 33.
	Descend abruptly over rocky land through heavy pine timber.
20.00	Bottom of abrupt descent bears NW. and SE.
	Begin more gradual descent.
40.00	Set a sandstone, 15x8x6 ins., 10 ins. in the ground, for ¼ sec.cor., marked ¼ on W. face; from which
	A pine, 8 ins.diam., bears N.38°30'E., 30 lks.dist., marked ¼ S 33 B T.
	A pine, 10 ins.diam., bears S.61°W., 26 lks.dist., marked ¼ S 32 B T.
53.00	Begin abrupt descent.bearing NW. and SE., over sandstone ledges.
68.00	Creek, 5 lks.wide, 3 ins.deep, course SE. Ascend abruptly.
76.00	Top of spur projects SE. Descend along steep NE. slope.
80.00	Set a sandstone, 24x10x6 ins., 18 ins. in the ground, for cor. of secs. 28-29-32 and 33, marked with 1 notch on the S. and 4 notches on the E. edge; from which
	A pine, 8 ins.diam., bears N.19°E., 36 lks.dist., marked T 4 N R 6 W S 28 B T.
	A pine, 5 ins.diam., bears S.51°E., 10 lks.dist., marked T 4 N R 6 W S 33 B T.
	A pine, 4 ins.diam., bears S.33°W., 27 lks.dist., marked T 4 N R 6 W S 32 B T.
	A pine, 6 ins.diam., bears N.17°30'W., 44 lks.dist., marked T 4 N R 6 W S 29 B T.
	Land, mountainous.
	Soil; rocky and sandy 3rd and 4th rate.

See cancelled notes Book 8, page 2

SUBDIVISIONS OF T.4 N.,R.6 W.

CHAINS	
	Timber,pine.
	Mountainous and heavily timbered land on 80.00 chs.

	S.89°54'E.on a random line bet.secs.28 and 33.
40.00	Set temp.$\frac{1}{4}$ sec.cor.
79.96	Intersect N.and S.line,16 lks.S.of the cor.of secs. 27-28-33 and34.
	Thence I run
	S.89°59'W.,on a true line
	bet.secs.28 and 33.
	Ascend over mountainous land through heavy pine timber.
2.00	Top of ridge bears NW.and SE.
	Descend.
39.98	Point for $\frac{1}{4}$ sec.cor.falls on a sandstone rock in place, 20x10x2 ft.above ground;cut a cross (x) at exact cor. point for $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on N.of cross;from which
	A pine,8 ins.diam.,bears N.32°W.,10 lks.dist., marked $\frac{1}{4}$ S 28 B T.
	A pine,10 ins.diam.,bears S.22°W.,19 lks.dist., marked $\frac{1}{4}$ S 33 B T.
	Begin gradual descent.
54.00	Creek,30 lks.wide,8 ins.deep,course SE.
	Ascend.
75.50	Begin more abrupt ascent.
79.96	The cor.of secs.28-29-32 and 33.
	Land,mountainous.
	Soil;rocky,and sandy,3rd rate.
	Timber,pine.
	Mountainous and heavily timbered land on 79.96 chs.
	Nov.14,1904.

	Nov.15.:At 8 h a.m.,l.m.t.,I set off 40°43'N.on the lat. arc;18°25'S on the decl.arc;and determine a meridian with the solar at the cor.of secs.28-29-32 and 33.

SUBDIVISIONS OF T.4 N.,R.6 W.

CHAINS	
	Thence I run
	N.0°03'W.,bet.secs.28 and 29.
	Descend along steep NE.slope.through heavy pine timber.
40.00	Point for ¼ sec.cor.falls on a sandstone rock in place, 3x2x2 ft.above ground;cut a cross (x)at exact cor.point, for ¼ sec.cor.,marked ¼ on W.side of cross;from which
	A pine,18 ins.diam.,bears S.54°30'E.,16 lks.dist., marked ¼ S 28 B T.
	A pine,6 ins.diam.,bears N.77°30'W.,30 lks.dist., marked ¼ S 29 B T.
	Bottom of steep NE.slope bears NW.and SE.
	Begin gradual descent.
63.00	Creek,30 lks.wide,8 ins.deep,course SE.
	Ascend.
67.00	Begin more abrupt ascent bearing NW.and SE.
80.00	Set a sandstone,16x10x6 ins.,11 ins.in the ground,for cor.of secs.20-21-28 and 29,marked with 2 notches on the S.and 4 notches on the E.edge;from which
	A pine,16 ins.diam.,bears N.30°E.,49 lks.dist., marked T 4 N R 6 W S 21 B T.
	A pine,16 ins.diam.,bears S.23°E.,15 lks.dist., marked T 4 N R 6 W S 28 B T.
	A pine,14 ins.diam.,bears S.61°W.,18 lks.dist., marked T 4 N R 6 W S 29 B T.
	A pine,14 ins.diam.,bears N.81°30'W.,1.56 chs.dist., marked T 4 N R 6 W S 20 B T.
	Land,mountainous.
	Soil;rocky,3rd and 4th rate.
	Timber,pine.
	Mountainous and heavily timbered land on 80.00 chs.

	N.89°59'E.on a random line bet.secs.21 and 28.
79.80	Intersect N.and S.line,13 lks.N.of the cor.of secs. 21-22-27 and 28.

SUBDIVISIONS OF T.4 N.,R.6 W.

CHAINS	
	Thence I run
	N.89°56'W.,on a true line
	bet.secs.31 and 28.
	Descend over mountainous land through heavy pine timber.
15.00	Creek,5 lks.wide,3 ins.deep,course S.
	Ascend.
35.50	Top of ridge bears NW.and SE.
	Descend. Leave timber.
39.90	Set a sandstone,16x12x4 ins.,11 ins.in the ground,for ¼ sec.cor.,marked ¼ on N.face:and raise a mound of stone,2 ft.base,1½ ft.high,N.of cor.
	Pits impracticable.
46.00	Bottom of hollow,150 ft.deep,course SE.
	Ascend.
48.50	Top of ridge bears NW.and SE.
	Descend.
	Enter heavy pine timber,bearing NW.and SE.
79.80	The cor.of secs.20-21-28 and 29.
	Land,mountainous.
	Soil;rocky,and sandy,3rd rate.
	Timber,pine.
	Mountainous or heavily timbered land on 79.80 chs.

	N.0°03'W.,bet.secs.20 and 21.
	Ascend over mountainous land along west slope of ridge, through scattering pine timber.
40.00	Set a sandstone,18x10x4 ins.,12 ins.in the ground,for ¼ sec.cor.,marked ¼ on W.face;from which
	A pine,8 ins.diam.,bears N.71°E.,31 lks.dist., marked ¼ S 21 B T.
	A pine,8 ins.diam.,bears S.74°30'W.,77 lks.dist., marked ¼ S 20 B T.
71.00.	Top of spur projects W.

SUBDIVISIONS OF T.4 N., R.6 W.

CHAINS	
	Descend.
74.50	Bottom of hollow, 100 ft. deep, course SW.
	Ascend. Leave timber.
80.00	Set a sandstone, 20x12x4 ins., 15 ins. in the ground, for cor. of secs. 16-17-20 and 21, marked with 3 notches on the S. and 4 notches on the E. edge; and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
	Pits impracticable.
	Land, mountainous.
	Soil; rocky, 3rd rate.
	Timber, pine.
	Mountainous land on 80.00 chs.
	Nov. 15:: At this cor., I set off 18° 31' S. on the decl. arc; and at 11h 45m a.m., l.m.t., observe the sun on the meridian; the resulting lat. is 40° 45' N.

	S. 89° 56' E. on a random line bet. secs. 16 and 21.
40.00	Set temp. ¼ sec. cor.
79.92	Intersect N. and S. line, 5 lks. N. of the 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 abruptly over rock slide.
14.00	Top of ridge bears NW. and SE.
	Begin abrupt descent.
39.96	Set a sandstone, 22x6x6 ins., 16 ins. in the ground, for ¼ sec. cor., marked ¼ on N. face; and raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.
	Pits impracticable.
42.00	Bottom of abrupt descent bears N. and S.
	Begin gradual descent.
79.92	The cor. of secs. 16-17-20 and 21.
	Land, mountainous.

SUBDIVISIONS OF T.4 N., R.6 W.

CHAINS	
	Soil;rocky,3rd and 4th rate.
	No timber.
	Mountainous land on 79.92 chs.

	N.0°03'W.,bet.secs.16 and 17.
	Ascend over rocky land through scattering artemisia.
40.00	Set a sandstone,20x12x5 ins.,15 ins.in the ground,for ¼ sec.cor.,marked ¼ on W.face;and raise a mound of stone 2 ft.base,1½ ft.high,W.of cor.
	Pits impracticable.
	This cor.falls on top of ridge bearing NE.and SW.Descend.
73.00	Creek,4.1ks.wide,3 ins.deep,course W. Ascend.
80.00	Set a sandstone,14x10x8 ins.,9 ins.in the ground,for cor.of secs.8-9-16 and 17,marked with 4 notches on the S.and E.edges;and raise a mound of stone,2 ft.base,1½ ft.high,W.of cor.
	Pits impracticable.
	Land,mountainous.
	Soil;rocky,3rd and 4th rate.
	No timber.
	Mountainous land on 80.00 chs.

	S.89°54'E.on a random line bet.secs.9 and 16.
40.00	Set temp.¼ sec.cor.
80.10	Intersect N.and S.line,12 lks.N.of the cor.of secs. 9-10-15 and 16.
	Thence I run
	N.89°49'W.,on a true line
	bet.secs.9 and 16.
	Descend over slide rock.
12.00	Bottom of hollow,150 ft.deep,course S.
	Ascend.
31.00	Begin abrupt ascent over perpendicular sandstone ledges,
	Point for witness cor.falls on a sandstone rock in place,

SUBDIVISIONS OF T.4 N.,R.6 W.

CHAINS	
	3x2x2 ft.above ground;cut a cross (X) at exact cor.point for witness cor.to ¼ sec.cor.,marked W C ¼ on N.side of cross;and raise a mound of stone,2 ft.base,1½ ft.high, N.of cor.
	Pits impracticable.
40.05	Point for ¼ sec.cor.falls on perpendicular sandstone ledges and cannot be set.
42.00	Top of rocky ridge bears NW.and SE.
	Begin abrupt descent,over slide rock.
71.00	Foot of abrupt descent andslide rock bears NW.and SE.
	Begin more gradual descent.
80.10	The cor.of secs.8-9-16 and 17.
	Land,mountainous.
	Soil;rocky,3rd and 4th rate.
	No timber.
	Mountainous land on 80.10 chs.

	Knowing the line bet.secs.8 and 9 intersects the N. Bdy.of Uintah Indian Reservation,I run
	N.0°03'W.,on a true line
	bet.secs.8 and 9.
	Ascend over mountainous land.
11.50	Begin abrupt ascent over slide rock.
40.00	Set a sandstone,16x8x6 ins.,11 ins.in the ground,for ¼ sec.cor.,marked ¼ on W.face;and raise a mound of stone 2 ft.base,1½ ft.high,W.of cor. Pits impracticable.
46.66	Intersect N.bdy.of the Uintah Indian Reservation,
	Set a sandstone,14x8x8 ins.,9 ins.in the ground,for closing cor.of secs.8 and 9,marked
	C C U I R on the S.,
	U F R on the N.,with 4 grooves on the E.and 2 grooves on the W.face;and raise a mound of stone, 2 ft.base,1½ ft.high,S.of cor.

SUBDIVISIONS OF T.4 N.,R.6 W.

CHAINS

Pits impracticable.

This cor.falls on top of high ridge bearing NW.and SE.

From the closing cor.,the ½ Mile cor.,bet the 41 Mile and 42 Mile cor.,bears S.57°E.,11.90 chs.dist.

Land,mountainous.

Soil;rocky,3rd and 4th rate.

No timber.

Mountainous land on 46.66 chs.

Nov.15,1904.

Nov.16-:At 8h a.m.,l.m.t.,I set off 40°42'N.on the lat. arc;18°40"S.on the decl.arc;and determine a meridian with the solar at the cor.of secs.5-6-31 and 32,on the S. bdy.of the Tp.,which is a quartzite stone 12x12x6 ins. above ground,firmly set and marked and witnessed,as described by Deputy Francis H.Lyman Jr.under his contract No.274. Thence I run

N.0°04'W.,bet.secs.31 and 32.

Descend through heavy pine timber.

10.00 Creek,10 lks.wide,4 ins.deep,course SE.

Ascend.

40.00 Set a sandstone,20x12x6 ins.,15 ins.in the ground,for ¼ sec.cor.,marked ¼ on W.face;from which

A pine,8 ins.diam.,bears S.7°E.,2.90 chs.dist., marked ¼ S 32 B T
A pine,5 ins.diam.,bears S.61°W.,1.78 chs.dist., marked ¼ S 31 B T.

Leave timber.

Begin abrupt ascent over slide rock and sandstone ledges.

Reconnection to book 4 page 2

71.50 Point for witness cor.falls on a sandstone rock in place, 20x15x10 ft.above ground;cut a cross (x) at exact cor. point,for witness cor.to cor.of secs.29-30-31 and 32, marked W C on NE.side;with 1 groove on the S.and 5 grooves on the E.side of cross;and raise a mound of stone,2 ft.base,1½ ft.high,W.of cor. Pits impracticable. On top of ridge bearing NW.and SE.

SUBDIVISIONS OF T.4 N.,R.6 W.

CHAINS	
80.00	Falls in slide rock;corner not set.
	Land,mountainous.
	Soil;rocky,3rd and 4th rate.
	Timber,pine.
	Mountainous or heavily timbered land on 80.00 chs.

	S.89°54'E.on a random line bet.secs.29 and 32.
40.00	Set temp.¼ sec.cor.
80.08	Intersect N.and S.line,12 lks.S.of the cor.of secs. 28-29-32 and 33.
	Thence I run
	N.89°59'W.,on a true line
	bet.secs.29 and 32.
	Ascend abruptly over mountainous land through heavy pine timber.
7.00	Top of abrupt ascent bears NW.and SE.
	Begin more gradual ascent.
40.04	Point for cor.falls on a sandstone rock in place,36x 24x18 ins.above ground;cut a cross (x) at exact cor. point for ¼ sec.cor.,marked ¼ on N.side of cross;from which
	A pine,12 ins.diam.,bears N.13°W.,30 lks.dist., marked ¼ S 29 B T.
	A pine,14 ins.diam.,bears S.50°E.,29 lks.dist., marked ¼ S 32 B T.
56.00	Foot of slide rock and sandstone ledges,bears NW.and SE.
	Begin abrupt ascent. Leave timber.
80.08	The true point for cor.of secs.29-30-31 and 32.
	Land,mountainous.
	Soil;rocky,3rd and 4th rate.
	Timber,pine.
	Mountainous land or heavily timbered on 80.08 chs.

SUBDIVISIONS OF T.4 N.,R.6 W.

CHAINS	
	N.89°54'W.on a random line bet.secs.30 and 31.
40.00	Set temp.¼ sec.cor.
84.00	Intersect W.bdy.of the Tp.21 lks.N.of the cor.of secs. 25-30-31 and 36,heretofore described.
	Thence I run
	N.89°57'E.,on a true line
	bet.secs.30 and 31.
	Descend over rocky land.
21.50	Creek,5 lks.wide,3 ins.deep,course SE.
	Ascend.
29.00	Begin abrupt ascent,bearing NW.and SE.
44.00	Set a sandstone,20x10x4 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.
73.00	Top of ridge bears NW.and SE. Begin abrupt descent.
84.00	The true point for cor.of secs.29-30-31 and 32.
	Land,mountainous.
	Soil;rocky,3rd and 4th rate.
	No timber.
	Mountainous land on 84.00 chs.

	N.0°04'W.,bet.secs.29 and 30.
	Descend abruptly over sandstone ledges and slide rock.
17.00	Foot of abrupt descent bears NW.and SE.
	Begin more gradual descent,through heavy pine timber, bearing NW.and SE.
40.00	Set a sandstone,24x14x4 ins.,18 ins.in the ground,for ¼ sec.cor.,marked ¼ on W.face;from which
	A pine,8 ins.diam.,bears S.69°W.,38 lks.dist., marked ¼ S 30 B T.
	A pine,6 ins.diam.,bears S.85°E.,60 lks.dist., marked ¼ S 29 B T.
66.00	Creek,12 lks.wide,1 ft.deep,course E.
	Ascend.

SUBDIVISIONS OF T.4 N.,R.6 W.

CHAINS	
72.00	Top of spur projects E.
	Descend.
80.00	Set a sandstone,18x10x8 ins.,12 ins.in the ground,for cor.of secs.19-20-29 and 30,marked with 2 notches on the S.and 5 notches on the E.edge;from which.
	A pine,8 ins.diam.,bears N.43°30'E.,36 lks.dist., marked T 4 N R 6 W S 20 B T.
	A pine,24 ins.diam.,bears S.61°30'E.,68 lks.dist., marked T 4 N R 6 W S 29 B T.
	A pine,18 ins.diam.,bears S.63°W.,29 lks.dist., marked T 4 N R 6 W S 30 B T.
	A pine,10 ins.diam.,bears N.51°W.,14 lks.dist., marked T 4 N R 6 W S 19 B T.
	Land,mountainous.
	Soil;rocky,3rd and 4th rate.
	Timber,pine.
	Mountainous or heavily timbered land on 80.00 chs.
	Nov.16:-At this cor.,I set off 18°45'S on the decl.arc; and at 11h 45m a.m.,l.m.t.,observe the sun on the meridian;the resulting lat.is 40°44'N.

	S.89°59'E.on a random line bet.secs.30 and 29.
40.00	Set temp.¼ sec.cor.
80.02	Intersect N.and S.line,7 lks.S.of the cor.of secs. 20-21-28 and 29.
	Thence I run
	S.89°58'W.,on a true line bet.secs.20 and 29.
	Descend over mountainous land through heavy pine timber.
40.01	Set a sandstone,16x12x8 ins.,11 ins.in the ground,for ¼ sec.cor.,marked ¼ on N.face;from which
	A pine,12 ins.diam.,bears N.16°E.,16 lks.dist., marked ¼ S 20 B T.
	A pine,10 ins.diam.,bears S.30°E.,20 lks.dist.,

SUBDIVISIONS OF T.4 N.,R.6 W.

CHAINS	
	marked $\frac{1}{4}$ S 29 B T.
43.00	Creek,20 lks.wide,8 ins.deep,course SE.
	Ascend.
48.00	Begin abrupt ascent bearing NW.and SE.
80.02	The cor.of secs.19-20-29 and 30.
..	Land,mountainous.
	Soil;rocky,3rd and 4th rate.
..	Timber,pine.
	Mountainous and heavily timbered land on 80.02 chs.
	S.89°57'W.on a random line bet.secs.19 and 30.
40.00	Set temp.$\frac{1}{4}$.sec.cor.
83.80	Intersect W.bdy.of the Tp.,3 lks.N.of the cor.of secs. 19-24-25 and 30,heretofore described.
	Thence I run N.89°56'E.,on a true line bet.secs.19 and 30.
	Ascend over mountainous land.
43.80	Set a sandstone,16x10x8 ins.,11 ins.in the ground,for $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on N.face;and raise a mound of stone,2 ft.base,1½ ft.high,N.of cor.
	Pits impracticable.
72.00	Top of spur projects SE.
	Descend. Enter heavy pine timber,bearing NW.and SE.
83.80	The cor.of secs.19-20-29 and 30.
	Land,mountainous.
	Soil;rocky,3rd and 4th rate.
	Timber,pine.
	Mountainous or heavily timbered land on 83.80 chs.

Nov. 16,1904.

Nov.17 :At 8 h a.m.,l.m.t.,I set off 40°44'N.on the lat. arc;18°55'S.on thedecl.arc;and determine a meridian with the solar at the cor.of secs.19-20-29 and 30.

SUBDIVISIONS OF T.4 N.,R.6 W.

CHAINS	
	Thence I run
	N.0°04'W.,bet.secs.19 and 20.
	Ascend over mountainous land through heavy pine timber.
40.00	Set a sandstone,14x10x7 ins.,9 ins.in the ground,for ¼ sec.cor.,marked ¼ on W.face;from which.
	A pine,20 ins.diam.,bears N.71°E.,19 lks.dist., marked ¼ S 20 B T.
	A pine,12 ins.diam.,bears N.50°W.,29 lks.dist., marked ¼ S 19 B T.
66.50	Creek,20 lks.wide,8 ins.deep,course SE.
	Ascend.
80.00	Set a sandstone,18x8x6 ins,12 ins.in the ground,for cor.of secs.17-18-19 and 20,marked with 3 notches on the S.and 5 notches on the E.edge;from which
	A pine,12 ins.diam.,bears N.46°E.,58 lks.dist., marked T 4 N R 6 W S 17 B T.
	A pine,14 ins.diam.,bears S.76°E.,42 lks.dist., marked T 4 N R 6 W S 20 B T.
	A pine,8 ins.diam.,bears S.9°W.,30 lks.dist., marked T 4 N R 6 W S 19 B T.
	A pine,14 ins.diam.,bears N.23°30'W.,1.21 chs.dist., marked T 4 N R 6 W S 18 B T.
	Land,mountainous.
	Soil;rocky and sandy,3rd and 4th rate.
	Timber,pine.
	Mountainous and heavily timbered land on 80.00 chs.

	N.89°58'E.on a random line bet.secs.17 and 20.
40.00	Set temp.¼ sec.cor.
79.98	Intersect N.and S.line,5 lks.S.of the cor.of secs. 16-17-20 and 21.
	Thence I run
	S.89°56'W.,on a true line
	bet.secs.17 and 20.

SUBDIVISIONS OF T.4 N.,R.6 W.

CHAINS	
	Descend over rocky land.
2.00	Creek,4 lks.wide,2 ins.deep,course S.
	Ascend.
5.50	Top of spur projects SW.
	Descend.
28.50	Creek,10 lks.wide,6 ins.deep,course SW.
	Ascend. Enter scattering pine timber.
39.99	Point for ¼ sec.cor.falls on a sandstone rock in place, 3x2x1 ft.above ground;cut a cross (x) at exact cor.point for ¼ sec.cor.,marked ¼ on N.side of cross;from which A pine,7 ins.diam.,bears S.56°45'W.,1.08 chs.dist. marked ¼ S 20 B T.
	No other trees within limits;and raise a mound of stone,2 ft.base,1½ ft.high,N.of cor.
	Pits impracticable.
47.00	Top of spur projects S.
	Descend.
60.00	Enter heavy pine timber,bearing N.and S.
79.98	The cor.of secs.17-18-19 and 20.
	Land,mountainous.
	Soil;rocky,3rd and 4th rate.
	Timber,pine.
	Mountainous or heavily timbered land on 79.98 chs.

	S.89°56'W.on a random line bet.secs.18 and 19.
40.00	Set temp.¼ sec.cor.
83.70	Intersect W.bdy.of the Tp.,5 lks.N.of the cor.of secs. 13-18-19 and 24,heretofore described.
	Thence I run
	N.89°54'E.on a true line,
	bet.secs.18 and 19.
	Descend over mountainous land through heavy pine timber.
43.70	Set a sandstone,14x10x8 ins.,9 ins.in theground,for ¼ sec.cor.,marked ¼ on N.face;from which

SUBDIVISIONS OF T.4 N.,R.6 W.

CHAINS	
	A pine,8 ins.diam.,bears N.25°W.,50 lks.dist., marked ¼ S 18 B T.
	A pine,6 ins.diam.,bears S.48°W.,34 lks.dist., marked ¼ S 19 B T.
54.00	Creek,10 lks.wide,4 ins.deep,course SE.
	Ascend.
83.70	The cor.of secs.17-18-19 and 20.
	Land,mountainous.
	Soil;rocky,3rd and 4th rate.
	Timber,pine.
	Mountainous and heavily timbered land on 83.70 chs.

	N.0°04'W.,bet.secs.17 and 18.
	Ascend over mountainous land;through heavy timber.
34.00	Begin abrupt ascent over sandstone ledges and rock slide,bearing NW.and SE.
	Leave timber.
40.00	Set a sandstone,16x8x5 ins.,11 ins.in the ground,for ¼ sec.cor.,marked ¼ on W.face;and raise a mound of stone,2 ft.base,1½ ft.high,W.of cor.
	Pits impracticable.
80.00	Set a sandstone,18x11x6 ins.,12 ins.in the ground,for cor.of secs.7-8-17 and 18,marked with 4 notches on the S.and 5 notches on the E.edge;and raise a mound of stone 2 ft.base,1½ ft.high,W.of cor.
	Pits impracticable.
	Land,mountainous.
	Soil;rocky,3rd and 4th rate.
	Timber,pine.
	Mountainous or heavily timbered land on 80.00 chs.
	Nov.17.:At this cor.,I set off19°00'S.on the decl.arc; and at 11h 45m.a.m.,l.m.t.,observe the sun on the meridian;the resulting lat.is 40°45'N.

SUBDIVISIONS OF T.4 N.,R.6 W.

CHAINS	
	N.89°56'E.on a random line bet.secs.8 and 17.
40.00	Set temp.$\frac{1}{4}$ sec.cor.
79.96	Intersect N.and S.line,12 lks.N.of the cor.of secs. 8-9-16 and 17.
	Thence I run
	N.89°59'W.,on a true line
	bet.secs.8 and 17.
	Descend over mountainous land.
26.00	Creek,6 lks.wide,3 ins.deep,course S.
	Ascend.
35.00	Begin abrupt ascent over sandstone ledges and rock slide.
38.00	Set a sandstone,14x12x10 ins.,9 ins.in the ground,for witness cor.to $\frac{1}{4}$ sec.cor.,marked W C $\frac{1}{4}$ on N.face;and raise a mound of stone,2 ft.base,1$\frac{1}{2}$ ft.high,N.of cor.
	Pits impracticable.
39.98	Point for $\frac{1}{4}$ sec.cor.falls on a perpendicular sandstone ledge,and cannot be set.
79.96	The cor.of secs.7-8-17 and 18.
	Land,mountainous.
	Soil;rocky,3rd and 4th rate.
	No timber.
	Mountainous land on 79.96 chs.

	S.89°54'W.on a random line bet.secs.7 and 18.
40.00	Set temp.$\frac{1}{4}$ sec.cor.
84.12	Intersect W.bdy.of the Tp.,12 lks.S.of the cor.of secs. 7-12-13 and 18,heretofore described.
	Thence I run
	N.89°59'E.,on a true line
	bet.secs.7 and 18.
	Descend over mountainous land.
7.00	Creek,5 lks.wide,3 ins.deep,course SW.
	Ascend.

SUBDIVISIONS OF T 4 N R 6 W.

Chains.	
26.00	Top of abrupt ascent bears NW.and SE.
	Ascend over sandstone ledges,and slide rock.
30.50	Set a sandstone 16x10x8 ins.11 ins.in the ground for witness cor.to ¼ sec.cor.,marked W C ¼ on N.face;and raise a mound of stone 2 ft.base 1½ ft.high N.of cor. Pits impracticable.
44.12	Point for ¼ sec.cor.falls on loose slide rock;cor.cannot be set.
70.50	Top of high rocky spur projects S.
	Begin abrupt descent over slide rock.
84.12	The cor.of secs.7,8,17,and 18.
	Land mountainous.
	Soil rocky;3d and 4th rate.
	No timber.
	Mountainous land 84.12 chs.

N.0°04'W.bet.secs.7 and 8

Ascend abruptly over slide rock and sandstone ledges.

29.10	Top of dividing ridge bears E.and W..
	Intersect N.bdy.of the Uintah Indian Reservation.
	Set a sandstone 14x10x8 ins.9 ins.in the ground for closing cor.of secs.7 and 8,marked
	CCUIR on the S.
	UFR on the N.,with 5 grooves on E.and 1 groove on W.face;and raise a mound of stone 2 ft.base 1½ ft.high S.of cor.Pits impracticable.
	From the closing cor.the 43d mile cor.on the bdy.,as established by Deputies A.H.and F.M.Brown bears W.6.85 chs.dist.
	Land mountainous.
	Soil rocky;4th rate.
	No timber.
	Mountainous land on 29.10 chs.

SUBDIVISIONS OF T 4 N.R.6 W

Chains. The point for the cor.of secs.5,6,7,and 8 falls outside of the Uintah Indian Reservation;therefore I proceed to the cor.of secs.1,6,7,and 12 on the W.bdy.of the Tp., heretofore described,and run

East on a true line bet.secs.6 and 7,

Over mountainous land,

0.63 On top of high ridge bearing NW.and SE.

Intersect N.bdy.of the Uintah Indian Reservation,

Set a sandstone 16x8x6 ins.11 ins.in the ground for closing cor.of secs.6 and 7,marked

CC on W.,

UFR on E.,with 1 groove on the N.

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

Pits impracticable.

From the closing cor.the 44th mile cor.on the bdy.,as established by Deputies A.H.and F.M.Brown,bears S.32° 30'E.13.66 chs.dist.

Land mountainous.

Soil rocky;3d and 4th rate.

No timber.

Mountainous land on 0.63 chs.

Nov.17,1904.

GENERAL DESCRIPTION.

This township is mountainous throughout and badly broken by deep ravines and high ridges;the N.bdy.,which is also the N.bdy.of Uintah Indian Reservation lies along the top of a high dividing ridge about 11,000 ft. above sea-level,the township lying on the south slope of the ridge.

The township is covered with a heavy growth of pine timber;and is well watered.

There is no mineral in the township. The formation is sandstone. There are no settlers in the township.

BOUNDARIES OF T.4 N.,R.6 W.

Latitudes, departures and closing errors.

Line designated.	True bearing	Dist.	Latitudes.		Departures.	
			N.	S.	E.	W.
N.bdy., Uintah Indian Reservation....	S.60°W.,	chs. 82.83	chs.	chs. 41.42	chs.	chs. 71.73
	N.1°30'W.,	17.00	16.99			0.44
	S.66°15'W.	13.80		5.57		12.62
	N.36°30'W.	63.20	50.80			37.59
	N.78°30'W.	59.50	11.86			58.30
	S.18°30'W.	30.50		28.91		9.68
	S.58°W.	3.00		1.59		2.54
	S.42°30'W.	74.00		54.56		49.99
	S.76°W.	56.00		13.55		54.34
	N.42°W.	12.00	8.91			8.02
	N.20°W.	10.00	9.40			3.42
	N.57°W.	40.00	21.79			33.54
	S.35°15'W.	40.00		32.67		23.09
	W.,	40.00				40.00
	N.60°W.	80.00	40.00			69.28
	N.30°30'W.	14.84	12.52			7.97
W.bdy., T.4 N.,R.6 W.	South	401.00		401.00		
N.bdy., T.3 N.,R.6 W.	S.89°59'W.	484.20		0.84	484.20	
W.bdy., T.4 N.,R.5 W.	North	407.65	407.65			
Convergency						0.50
			579.92	580.11	484.20	483.05
				579.92		483.05
Error in lat. and dep.....				0.19		1.15

Washington Jenkins,
US. Deputy Surveyor.

Note:

There being no notary public, or other officer authorized to administer oaths within a reasonable distance of the beginning or ending of the surveys embraced in this contract; therefore, in order to save time and expense I administer the preliminary and final oaths my-

self.

Washington Jenkins.
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 Washington Jenkins, 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 4 N., R 6 W. of Uintah Special Base and Meridian Utah; showing the respective capacities in which they acted:

E Hull, Chainman.
O E. Brashears, Chainman.
Henry Clift, Moundman.
, Moundman.
Joseph Turner, Axman.
, Axman.
Alvin Johnston, Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted Washington Jenkins, United States Deputy Surveyor, in surveying all those parts or portions of the Subdivisions of T 4 N., R 6 W.

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

E Hull, Chainman.
O E Brashears, Chainman.
Henry Clift, Moundman.
, Moundman.
Joseph Turner, Axman.
, Axman.
Alvin Johnston, Flagman.

Subscribed and sworn to before me this 17th day of November, 1904

SEAL

Washington Jenkins
U. S. Deputy Surveyor

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FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, Washington Jenkins United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from Edward H. Anderson United States Surveyor General for Utah, bearing date of the 23rd day of September, 1904, I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for Utah, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of Subdivisions of T4N, R6W, of the Uintah Special Base and meridian, in the State of Utah, which are represented in the foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for Utah and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey; and should any fraud be detected, I will suffer the penalty of perjury under the provisions of an Act of Congress approved August 8, 1846.

Washington Jenkins
United States Deputy Surveyor.

Subscribed by said Washington Jenkins, and sworn to before me this 12th day of December, 1904

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

SEAL

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, December 20, 1904.

The foregoing field notes of the survey of the Subdivisional lines of Township No. 4 North, Range No. 6 West of the Uintah Special Base and Meridian, Utah;

executed by Washington Jenkins under his contract No. 275, dated Sept. 23, 1903, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Edward H. Anderson
United States Surveyor General.

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

United States Surveyor General.

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BOOK A-330

FILED
SEP 11 1905

Corrective FIELD NOTES

OF THE SURVEY OF THE

Subdivisions of
Township No. 4 North,
Range No. 6 West

Of the Uintah Special Base and Meridian,
in the state of Utah

AS SURVEYED BY

Alice E. Brashears, compassman for Washington Jenkins, United States Deputy Surveyor,

Under his Contract No. 275, dated September 23, 1903

Survey commenced August 29, 1905

Survey completed August 29, 1905

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BOOK A-330

NAMES AND DUTIES OF ASSISTANTS.

F. R. O'Leary	Chainman
D. S. Murdoch	"
J. D. Clyde	Mounds.
C. W. Hickens	Arman
Alvin Johnston	Flagman

BOOK A-330

INDEX DIAGRAM.

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31	32	33	34	35	36

Meanders Page ....

PRELIMINARY OATHS OF ASSISTANTS.

WE, F. R. O'Leary and U. S. Maudsley 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; t we will report the true distances to all notable objects, and the true lengths of all lines that we assis measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey Subdivisions of T. 4 N., R. 6 W., of Uintah Special Base Meridian Utah

F. R. O'Leary, Chainm

U. S. Maudsley, Chainm

Subscribed and sworn to before me this 19th day of August, 1905.

SEAL

Ollie E. Brashears
Commissioner for Washington Co
U. S. Deputy Surveyor.

We, J. D. Clyde and

do solemnly swear that we will well and truly perform the duties of moundman in the establishm of corners, according to the instructions given us, to the best of our skill and ability, in the survey Subdivisions of T. 4 N., R. 6 W., of Uintah Special Base Meridian Utah

J. D. Clyde, Moundm

, Moundm

Subscribed and sworn to before me this 19th day of August, 1905.

SEAL

Ollie E. Brashears
Commissioner for Washington Co
U. S. Deputy Surveyor.

We, C. M. Hicken and

do solemnly swear that we will well and truly perform the duties of axman in the establishment of co and other duties, according to instructions given us, to the best of our skill and ability, in the survey Subdivisions of T. 4 N., R. 6 W., of Uintah Special Base and Meridian Utah

, Axm

C. M. Hicken, Axm

Subscribed and sworn to before me this 19th day of August, 1905.

SEAL

Ollie E. Brashears
Commissioner for Washington Co
U. S. Deputy Surveyor.

I, Alvin Johnston, do solemnly swear that I will well and t perform the duties of flagman according to instructions given me, to the best of my skill and ability, in Subdivisions of T. 4 N., R. 6 W. of Uintah Spe Base and Meridian Utah

Alvin Johnston, Flagm

Subscribed and sworn to before me this 19th day of August, 1905

SEAL

Ollie E. Brashears
Commissioner for Washington Co
U. S. Deputy Surveyor.

Correction Notes of Subdivisions of T4 N., R6 W.

Chains	
	Survey commenced Aug. 29, 1905, and executed with the instrument described in book 1 of this survey. I know the instrument to be in adjustment from recent observations made August 27, 1905, and recorded in Book 3 of this correction survey. At 7 h. am., l. m. t., I set off 40°43' N. on lat. arc; 9°31' N. on decl. arc; and determine a meridian with the solar at the cors. of secs. 27, 28, 33 and 34 heretofore described in original notes. Thence I run S 0°02' E., bet. secs. 33 and 34.
40.00	1/4 sec. cor., bet. secs 33 and 34 heretofore described in original notes on line
80.00	Intersect S. bdy of Tp., at cor. of secs. 3, 4, 33 and 34, which is a sandstone 10 x 5 x 5 ins above ground, marked and witnessed as described by Deputy Francis M Lyman Jr. under his Cont. 274. Point for original cor. of secs. 3, 4, 33 and 34, heretofore described bears S. 77° 10' W., 2.07 chs. dist. This cor. was destroyed by Deputy Francis M Lyman Jr. No change in topography on this line. Topography on the

Correction Notes of Subdivisions of T. 4 N., R. 6 W.

Chains	
	From cor. of secs. 28, 29, 32 and 33, heretofore described in original notes, S. run S 0° 03' E., bet. secs. 32 and 33.
40.00	1/4 sec. cor. bet. secs. 32 and 33 heretofore described in original notes, on line
80.00	Intersect S. bdy. of T 5 N., at cor. of secs. 4, 5, 32 and 33, which is a quartzite stone 10 x 8 x 5 ins. above ground, marked and witnessed as described by Deputy Francis M. Lyman Jr. under his Cont. No. 274 Point for original cor. of secs. 4, 5, 32 and 33, bears S. 70° 35' W., 2.28 chs. dist. This cor. was destroyed by Deputy Francis M. Lyman Jr., No change in topography on this line.

	From witness cor. to secs. 29, 30, 31 and 32, heretofore described in original notes, set 8 1/2 chs. S. 0° 44' E. of true point for cor., I run S. 0° 44' E., bet. secs. 31 and 32.
31.50	1/4 sec. cor., bet. secs. 31 and 32, heretofore described in original notes, on line.
71.50	Intersect S. bdy. of T. 5 N. at cor. of secs. 5, 6, 31 and 32 which is sandstone 12 x 10 x 6 ins. above ground, marked and witnessed as described by Deputy Francis M. Lyman Jr., under his Cont. 274 Point for original cor. of secs. 5, 6, 31 and 32 bears S. 62° 03' W.

Corrective Notes of Subdivisions of T 4 N., R 6 W.

Chains.

2.56 chs. dist. This cor. was destroyed by Deputy Francis M. Lyman Jr. No change in topography on this line.
August 29-05
Ollice E. Brashears.
Compassman for Washington Jenkins
U.S. Deputy Surveyor.

There being no notary public or other official authorized to administer oaths within a reasonable distance at the beginning and ending of these corrective surveys, therefore in order to save time and expense I administer the preliminary and final oaths myself.
Ollice E. Brashears.
Compassman for Washington Jenkins.
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 Ollie E. Brashears Compassman for Washington Jenkins, United States Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the ~~survey~~ correction survey of the Subdivisions of T. 4 N., R. 6 W., of Uintah Special Base and Meridian Utah showing the respective capacities in which they acted:

F. R. O'Leary, Chainman.
W. S. Murdock, Chainman.
J. D. Clyde, Moundman.
, Moundman.
C. W. Hickens, Axman.
, Axman.
Calvin Johnston, Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted Ollie E. Brashears Compassman for Washington Jenkins, United States Deputy Surveyor, in ~~surveying~~ all those parts or portions of the Subdivisions of T. 4 N., R. 6 W., of the Uintah Special Base and meridian, in state of Utah, which are represented in the foregoing field notes as having been surveyed by him and under his direction; and that said correction 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.

F. R. O'Leary, Chainman.
W. S. Murdock, Chainman.
J. D. Clyde, Moundman.
, Moundman.
C. W. Hicken, Axman.
, Axman.
Calvin Johnston, Flagman.

Subscribed and sworn to before me this 29th day of August, 1905.

SEAL

Ollie E. Brashears
Compassman for Washington Jenkins.

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FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, Ollice E. Brashears Compassman for Washington Jenkins United States Deputy Surveyor, d solemnly swear that, in pursuance of a contract received from Edward H. Anderson United States Surveyor General for Utah, bearing date of th 23rd day of September, 1903, I have well, faithfully, and truly, in my ow proper person, and in strict conformity with the instructions furnished by the United States Surveyo General for Utah, the Manual of Surveying Instructions, and the laws of th United States, ~~surveyed~~ all those parts or portions of Subdivisions of T. 4 N., R. 6 W.,

of the Utah Special Prior meridian, in the State of Utah, which are represented in th foregoing Corrective field notes as having been surveyed by me, and under my direction; and I do further solemn swear that all the corners of said survey have been established and perpetuated in strict accordance wit the Manual of Surveying Instructions, and the special written instructions of the United States Survey General for Utah and in the specific manner described in the field notes, and th the foregoing are the original field notes of such survey.

Ollice E. Brashears, Compassman for Washington Jenkins
United States Deputy Surveyo

Subscribed by said Ollice E. Brashears, and sworn to before me this 15th day of September, 1903

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

SEAL

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL.

Salt Lake City Utah September 1903

The foregoing Corrective field notes of the survey of the Subdivisions of Township 4 North Range 6 West of the Uintah Special Base and Meridian, Utah

executed by Ollice E. Brashears Compassman for Washington Jenkins under his contract No. 275, dated September 23, 1903, having be critically examined, and the necessary corrections and explanations made, the said field notes, and t surveys they describe, are hereby approved.

Edward H. Anderson
United States Surveyor Gene

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

United States Surveyor Gener

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A.

BOOK A-330

FILED
OCT 29 1904

FIELD NOTES

OF THE SURVEY OF THE

Uintah Special Base line
through
Range 2 East
of the
Uintah Special Meridian

Of the Uintah Special Meridian,
In the state of Utah

AS SURVEYED BY

James H. Martineau, United States Deputy Surveyor,

Under his Contract No. 265, dated July 20th 1903, ~~189~~

Survey commenced September 14th 1903, ~~189~~

Survey completed September 14th 1903, 189

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2.82.00
32.40
8.38

BOOK A-330

NAMES AND DUTIES OF ASSISTANTS.

Ether Tarbet	Chainman
Howard Martineau	Chainman
George Beddo	Chainman
William D. Mundorf	Chainman
Peter T. Furlong	Mundman
John W. Galloway	Axman
Lyman R. Sherman	Flagman

BOOK A-330

INDEX DIAGRAM.

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Meanders Page.....

PRELIMINARY OATHS OF ASSISTANTS.

Ether Tarbet — George Beddo

WE, Howard Martineau and William D. Munday do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain over even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of the Uintah Special Base Line through R. 2 E., of the Uintah Special Meridian, Utah

Ether Tarbet — Howard Martineau, Chainmen.

Geo. Beddo — Wm D. Munday, Chainmen.

Subscribed and sworn to before me this 4th day of September 1903, 1903

SEAL

James H. Martineau
U. S. Deputy Surveyor

~~WE~~ I, Peter T. Furlong and ——— do solemnly swear that ~~we~~ I will well and truly perform the duties of moundman in the establishment of corners, according to the instructions given ~~us~~ me, to the best of ~~our~~ my skill and ability, in the survey of Uintah Special Base Line through R. 2 E. of the Uintah Special Meridian, Utah

Peter T. Furlong, Moundman.

———, Moundman.

Subscribed and sworn to before me this 4th day of September 1903, 1903

SEAL

James H. Martineau
U. S. Deputy Surveyor

~~WE~~ I, John W. Galloway and ——— do solemnly swear that ~~we~~ I will well and truly perform the duties of axman in the establishment of corners and other duties, according to instructions given ~~us~~ me, to the best of ~~our~~ my skill and ability, in the survey of the Uintah Special Base Line through R. 2 E. of the Uintah Special Meridian, Utah

John W. Galloway, Axman.

———, Axman.

Subscribed and sworn to before me this 4th day of September 1903, 1903

SEAL

James H. Martineau
U. S. Deputy Surveyor

I, Lyman R. Sherman, do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of the Uintah Special Base Line through R. 2 E. of the Uintah Special Meridian, Utah

Lyman R. Sherman, Flagman.

Subscribed and sworn to before me this 4th day of September 1903, 1903

SEAL

James H. Martineau
U. S. Deputy Surveyor

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HOn.E.H.Anderson,

Surveyor general for Utah.

Sir:

I have the honor to explain herein, why I did not survey the several Tps., whole or fracl. in the order specified in my "Special Instructions"

I received my final instructions, examination and testing of chains and transit August 29, 1903. I arrived at White Rocks Agency Sept. 10, and was directed to establish at once the Uintah Special Base Line, and the west bdys. of Tps. 2 and 3 N., R. 1 W., and the N. bdy. of Tp. 3 N., R. 1 W., in order that Deputies Collier, Rager and Dallas, whose respective contracts adjoined these lines, might begin their field work at once, and I accordingly followed these orders.

The S. bdy. of Tp. 2 N., R. 1 W. has an approximate altitude of 6000 ft. above sea level, rising rapidly to the north to an altitude of 9000 to 12000 ft., with peaks reaching to an altitude of 13000 ft. Snow falls at these high elevations in early fall. Sept. 13th, snow fell heavily on the mountains, and 2 ins. at my camp, on S. bdy. of T. 2 N., R. 1 W.; I therefore commenced survey of T. 1 N., R. 1 W., and Tps. 2 and 3 N., R. 1 W., and Tp. 3 N., R. 1 E., hoping to finish them beforeIshouldbe driven out by heavy snow storms; especially in view of the fact that it might be impossible to work in that high altitude the following season earlier than June, on account of old snow inerfering with the field work.

The wisdom of this course of procedure was fully verified, for

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my party was driven out of the mountains in Nov., 1903, by a furious snow storm, stopping all work for the season. Resuming my work this year, I found considerable snow as late as the middle of June in the high altitudes above mentioned. Trusting these reasons are satisfactory, I remain

Yours very respectfully,

James H. Bradshaw

U.S. Deputy Surveyor.

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Uintah Special Base Line through R. 2 E.

Survey commenced Sept. 14. 1903 and executed with a W. & L. E. Gurley transit No. 17 with Solar attachment, the horizontal limb having two verniers reading to 30" of arc, placed opposite each other.

The instrument was examined, tested on the true meridian in Salt Lake City, Utah, found correct, and approved Aug. 28th 1903.

I begin at the old established cor. of Tps. 1 N. and 1 S., Rs. 1 and 2 E. which is a sandstone firmly set, and marked and witnessed as described by the Surveyor General, but without any mound or pits. I raise a mound of Stone 3 ft. base 2½ ft. high S. of Cor.

As last night was too cloudy to observe Polaris I establish a line east by Solar observation. At 9 o'clock A.M. L.m.t., I set off 140° 26' for Sol. Arc, 3° 43' N. on declination arc, and find the Magnetic declination is N. 16° 10' E.

From the Tp. Cor. noted above I run
East on a true line along S. bdy. of Sec. 31
Over nearly level land

12.20 Log run, 60 lks. wide, 4 ft. deep, course S.W.

Diff. bet. measurements of 40.00 chs. by two sets of chainmen is 2 lks., position of middle point

By 1st set 40.01 chs.

By 2d set 39.99 chs. the mean of which is

40.00 Set a sandstone 14x9x6 ins. 10 in. in the ground for Standard 1/4 Sec. Cor. Mkd. S.C. 1/4 on N. face, and raise a mound of Stone 2½ ft base 2 ft high N. of cor.

42.00 Begin to ascend over broken ground

46.00 Enter small, scrubby cedar bushes

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

By 1st set 80.02 chs.,

By 2d set 79.98 chs. the mean of which is

80.00 Set a sandstone 20x10x8 ins. in a mound of

34
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Unitah Special Base Line through R.2E.

	Stones for Standard Cor. of Secs. 31 and 32, Mkd. S.C. with 5 grooves on E. and 1 groove on W. face and raise a mound of Stones 3 ft base 2½ ft high W. of Cor.
	Land partly level or broken
	Soil, sandy or stony, 2° and 3° rate
	No timber. Scrub cedars 38.00 Chs.
	Mountainous land on 38.00 chs.
	East on a true line along S. Bdy. of Sec. 32 Over hilly, broken and rocky ground. Ascend.
	Diff. bet. measurements of 40.00 Chs. by two sets of Chainmen is 6 lks., position of middle point
	By 1st Set, 40.03 Chs.
	By 2° Set 39.97 Chs. the mean of which is
40.00	Set a Sandstone 15 x 8 x 8 in. 10 in. in the ground for Standard ¼ Sec. Cor. Mkd. S.C. ¼ on N. face and raise a mound of Stones 2½ ft base 2 ft high N. of Cor. Leave Scrub Cedars. None available to mark. Ascend. at angle of 30° to 50°
43.00	Top of high ridge, 300 ft. above valley, bears N. & S.
49.00	Begin to descend
54.00	Bottom of steep descent, thence gradual desc.
61.00	Right bank of Deep Creek ravine, banks 15 ft deep
62.54	Center of Deep Creek, 10 lks. wide, 6 in. deep. Course S.
64.00	Top of left bank of same ravine.
68.30	Wagon road from Ft. Duchesne to Dry Fork, bears N. & S.
70.00	Ascend steep slope of mesa.
73.60	Top, bears N. & S. fifty ft. above valley and road. thence over level ground.
	Diff. bet. measurements of 80.00 Chs. by 2 sets of Chainmen is 10 lks.; position of middle point
	By 1st Set, 80.05 chs.
	By 2° Set 79.95 Chs., the mean of which is
80.00	Set a Sandstone 18 x 8 x 6 in. 12 in. in the ground for Standard Cor. of Secs. 32 and 33. Mkd. S.C. on N. with 4 grooves on E. and 2 on W. faces. and raise a mound of Stone 3 ft base 2½ ft high W. of Cor.
	Land broken

Uintah Special Base Line through R. 2 E.

Soil Sandy and gravelly, 2° and 3° rate
No timber
Mountainous land on 80.00 chs.

East on a true line, along S. Bdy. Sec. 33
Over Broken ground.

4.00 Descend from mesa into a valley bears N.E. & S.W.
9.00 foot of mesa, 60 ft below top
10.10 Dry run, 20 lks. wide 3 ft deep, Course S.W.
19.20 Dry run 20 lks. wide, 4 ft deep, Course W.S.W.
26.00 Dry run 130 lks. wide on line, 15 ft deep, Cours W.S.W.
All these unite not far below, and run S.W.
38.00 Begin to ascend mesa, at its N. point. Steep asc.
39.00 Top of mesa, extends S.
Diff. bet. measurements of 40.00 Chs. by 2 sets of Chainmen is 10 lks.; position of middle point.
By 1st Set 40.05 Chs.
By 2° Set 39.95 Chs., the mean of which is
40.00 Set a Sandstone 15 x 8 x 6 in. 10 in. in the ground for Standard 1/4 Sec. Cor. Mkd. S.C. 1/4 on N. face, and raise a mound of Stone 2 1/2 ft base 2 ft high N. of Cor.
41.00 Begin to desc. gradually. Brow of mesa bears S.W. & N.E.
47.00 Bottom of descent, thence level
62.00 Asc. slope of mesa 60 ft high
69.00 Top of mesa, bears NE and S.W.
77.59 Road from Ft. Duchesne to cedars bears N.E. and S.W.
Diff. bet. measurements of 80.00 Chs. by two sets of Chainmen is 12 lks.; position of middle point:
By 1st Set, 80.06 Chs.
By 2° Set 79.94 Chs., the mean of which is
80.00 Set a Sandstone 18 x 16 x 10 in. 12 ins. in the ground for Standard Cor. of Secs. 33 and 34, Mkd. SC on N face with 3 grooves on E. and W. faces, and raise a mound of Stone 3 ft base 2 1/2 ft high W. of Cor.
Land broken
Soil Sandy, 3° rate
No timber
Mountainous land on 80.00 chs.

Uintah Special Base Line through R. 2 E.

East on a true line along S. bdy. of Sec. 34
Over rolling ground
10.46 Intersect East Bdy. of the Uintah Indian Reservation on ridge.
Set a sandstone 20 x 18 x 10 ins. 15 ins. in the ground for Base line C.C. to Tps. 1 N. and 1 S. R 2 E. mkd. C.C. U.I.R.R.S. with 3 grooves on W. 1 N. on N. 1 S. on S. 6 grooves on N. and S. faces, and raise a mound of stone 2 ft base 1/2 ft high W. of Cor. 7
From C.C., the 25th Mile Cor. on E. Bdy. of the Reservation as established by Deputies A. H. and F. M. Brown, under Contract No. 264 bears N. 18° E. 8.38 Chs.
Land rolling
Soil Sandy 3" rate
No timber.

Sept. 14. 1903.

General Description

The land N. and S. of this line is generally level, with ridges and mesas 50 to 300 feet high with general bearing nearly N. and S. The valleys between have a general trend corresponding to that of the mesas. The soil is poor and Sandy. Deep creek in its natural condition is a considerable stream of poor water, impregnated with mineral, but most of the water is used in irrigating the farms some miles above, and in the summer and autumn the creek becomes dry here.

There is but little grass, and some cedar from 5 to 15 ft high, suitable only for fence posts and fuel.

The land north and South should be Subdivided.

James H. Martineau
U. S. Deputy Surveyor

Sept. 14. 1903.

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by James H. Martineau, 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 Uintah Special Base line through R 2 East of the Uintah Special [illegible] Meridian Utah showing the respective capacities in which they acted:

Esther Tarbet, Howard Martineau, *Chainman.*
George Bedds and William B. Munday, *Chainman.*
Peter J. Furlong, *Moundman.*
, *Moundman.*
John W. Galloway, *Axman.*
, *Axman.*
Lyman R. Sherman, *Flagman.*

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted James H. Martineau, United States Deputy Surveyor, in surveying all those parts or portions of the

Uintah Special Base Line through R. 2 E.

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

Wm D Munday, Geo. Bedds, *Chainman.*
Esther Tarbet, Howard Martineau, *Chainman.*
Peter J. Furlong, *Moundman.*
John W Galloway, Axman, *Moundman.*
, *Axman.*
, *Axman.*
Lyman R Sherman, *Flagman.*

Subscribed and sworn to before me this 18th day of December 1903, 189

James H. Martineau
U.S. Deputy Surveyor

SEAL

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FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, James H. Martineau, United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from Edward H. Anderson United States Surveyor General for Utah, bearing date of the 20th day of July, 1903, I have well, faithfully, and truly, in my o proper person, and in strict conformity with the instructions furnished by the United States Surveyo General for Utah, the Manual of Surveying Instructions, and the laws of th United States, surveyed all those parts or portions of the Uintah Special Base Line through Range 2 East

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

James H. Martineau
United States Deputy Surveyo

Subscribed by said James H. Martineau and sworn to before me this 5th day of December, 1904

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

SEAL

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, December 28, 1904

The foregoing field notes of the survey of the Uintah Special Base Line through Range 2 East of the Uintah Spe Meridian, Utah

executed by James H. Martineau under his contract No. 265, dated July 20 1903, 189 , having b critically examined, and the necessary corrections and explanations made, the said field notes, and t surveys they describe, are hereby approved.

Edward H. Anderson
United States Surveyor Gene

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

_____
United States Surveyor Gen

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BOOK A-330

FIELD NOTES

OF THE SURVEY OF THE

W-E-S-T & N-O-R-T-H B-O-U-N-D-A-R-I-E-S.

OF

TOWNSHIP NO. 2 NORTH,

RANGE NO. 1 WEST.

Of the UINTAH SPECIAL BASE AND *Meridian,*

IN THE STATE OF UTAH.

AS SURVEYED BY

James H. Martineau, *United States Deputy Surveyor,*

Under his Contract No. 265, *dated* July 20, 1903., ~~189~~

Survey commenced Sept. 17, 1903., ~~189~~

Survey completed Sept. 27, 1903., ~~189~~

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W Bdy high 5-69-80 ✓
low —10-20 ✓
N. Bdy high 5-05-26 ✓
low 1-00-40 ✓

BOOK A-330

NAMES AND DUTIES OF ASSISTANTS.

William D. Munday	Chainman
Howard Martineau	Chainman
George Beddo	Chainman
Esther Tarbet	Chainman
Peter T. Furlong	Moundman
John W. Gallaway	Axman
Lyman R. Sherman	Flagman

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PRELIMINARY OATHS OF ASSISTANTS.

We, Howard Martineau Esther Corbett and George Bedell and Wm. D. Mulvey 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 North bdys. of Tps. 1-2-3 N., R. 1 W. and of T. 2 N., R. 1 E.: West bdys. of Tps. 2 and 3 N., R. 1 W., of Uintah Special Base and Meridian, Utah.

Howard Martineau, Chainman.
Esther Corbett, Chainman.
Geo. Bedell, Chainman.

Subscribed and sworn to before me this 17th day of September 1903, MM

Wm. D. Mulvey.
James H. Martineau
U. S. Dep. Surveyor

SEAL

We, Peter T. Faulconer and do solemnly swear that we will well and truly perform the duties of moundman in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey of N. bdys. of Tps. 1-2 and 3 N., R. 1 W. and of T. 2 N., R. 1 E.; W. bdys. of Tps. 2 and 3 N., R. 1 W. of the Uintah Special Base and Meridian, Utah.

Peter T. Faulconer, Moundman.
....., Moundman.

Subscribed and sworn to before me this 17th day of September 1903 MM

James H. Martineau
U. S. Dep. Surveyor

SEAL

We, John W. Galloway 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 N. bdys. of Tps. 1-2 and 3 N., R. 1 W.; and of T. 2 N., R. 1 E.; W. bdys. of Tps. 2 and 3 N., R. 1 W. of Uintah Special Base and Meridian, Utah.

John W. Galloway, Axman.
....., Axman.

Subscribed and sworn to before me this 17th day of September 1903, MM

James H. Martineau
U. S. Dep. Surveyor

SEAL

I, Lyman R. Sherman, 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 N. bdys. of Tps. 1, 2 and 3 N., R. 1 W., and of T. 2 N., R. 1 E.; W. bdy of Tps. 2 and 3 N., R. 1 W., of Uintah Special Base and Meridian, Utah.

Lyman R. Sherman, Flagman.

Subscribed and sworn to before me this 17th day of September 1903, MM

James H. Martineau
U. S. Dep. Surveyor

SEAL

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WEST BDY OF T.2 N.R.1 W.

Survey commenced Sept.17,1903.and executed with the instrument described in book "A" of this survey.

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

At the cor.of Tps.1 and 2 N.Rs.1 and 2 W.,which is a sandstone 15x12x6 ins.above ground,firmly set and marked and witnessed as described by the surveyor general,in approximate lat.40° 31'33" N.;longitude 110°04' 19" W.,at 4 h.0 m.p.m.l.m.t.I set off 40°32'N.on the lat.atc;2°28'N.on decl.arc;and determine a meridian with the solar;and mark a point thereof on a stone firmly set in the ground 5 chs.N.of the cor.

At 7 h.46 m.p.m.l.m.t.I observe Polaris at eastern elongation,and mark a point in the line thus determined on a peg driven in the ground 5 chs.N.of my station.

Sept.17,1903.

Sept.18: At 7 h. a.m.l.m.t.I lay off the azimuth of Polaris 1°35'to the west and mark the meridian thus determined by cutting a small groove in the stone set yesterday,on which the meridian falls 0.3 ins.E.of the mark determined by the solar.

At 8 h. a.m.l.m.t.I set off 40°32'N.on the lat.arc;2° 12'N.on the decl.arc;and mark a point in the 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 meridian established by the Polaris observations.

The solar apparatus by p.m.and a.m.observations defines

WEST BDY. T.2 N. R. 1 W.

Chains.	
	positions for meridian respectively about 0'16" west and 0°11" 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 is N.16°37'W. the angle thus determined gives the mag.decl.16°37'E.
	From said township corner I run
	North bet.secs.31 and 36
	Over stony ground;in cedars.
14.00	Brow of bench 10 ft.high;descend.
14.50	Foot of same.
	Thence over level land.
	Leave cedar timber.
15.90	Wagon road from White Rocks Agency to saw-mill bears NW.and SE.
18.75	Brow of bench,30 ft.high bears NW.and SE.
	Descend.
19.10	Foot of same;enter Uintah River bottom.
21.00	Enter young cottonwoods and dense undergrowth.
27.00	Right bank of Uintah River,course SE.
28.00	Left bank of river,clear water about 18 ins.deep,swift current,rocky bottom;banks 3 ft.high.
	Thence through very dense undergrowth.
35.00	Right bank of a branch of Uintah River.
35.50	Left bank of branch;water 12 ins.deep,swift current,rocky bottom;banks 3 ft.high.
36.50	Road bears NW.and SE.
40.00	Set a sandstone 18x10x10 ins.12 ins.in the ground for $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on W.face;and raise a mound of stone 2 ft.base $1\frac{1}{2}$ ft.high W.of cor.Pits impracticable.
48.70	Leave dense undergrowth.
	Ascend along west slope.
52.40	Enter cedar timber.
80.00	Set a sandstone 14x8x11 ins.9 ins.in the ground for

WEST BDY. OF T. 2 N., R. 1 W.

CHAINS	
	cor. of secs. 25-30-31 and 36, marked with 1 notch on the S. and 5 notches on the N. edge; and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor. Pits impracticable.
	Land generally level; gradually ascending.
	Timber cottonwood and cedar; ascending.
	Soil in bottoms, 1st rate. On uplands, 4th rate.
	Cedar timber and dense undergrowth on 69.80 chs.

	North bet. secs. 25 and 30.
	Over broken land ascend foothills.
19.00	Enter heavy fire killed cedar timber, bearing NE. and SW.
40.00	Set a sandstone, 12x11x11 ins., 8 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.
58.00	Top of ridge bears NE. and SW.
	Descend.
70.00	Bottom of ravine, 200 ft. deep, course SW. Ascend abruptly.
80.00	On E. slope of ridge bearing NE. and SW.
	Set a sandstone, 19x10x8 ins., 14 ins. in the ground, for cor. of secs. 19-24-25 and 30, marked with 2 notches on the S. and 4 notches on the N. edge; and raise a mound of stone 2 ft. base, 1½ ft. high, W. of cor.
	Pits impracticable.
	Land, mountainous.
	Soil; rocky, 3rd and 4th rate.
	No timber.
	Mountainous land on 80.00 chs.

	North bet. secs. 19 and 24.
	Ascend over mountainous land.
2.00	Top of ridge bears NE. and SW.
	Descend.
40.00	Set a sandstone, 14x14x10 ins., 9 ins. in the ground, for

WEST BDY.OF T.2 N.,R.1 W.

CHAINS	
	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.
43.60	Bottom of ravine,100 ft.deep,course SW.
	Ascend.
80.00	Set a sandstone,12x9x8 ins.,8 ins.in the ground,for cor.of secs.13-18-19 and 24,marked with 3 notches on the S.and N.edges;and raise a mound of stone,2 ft.base,1½ ft.high,W.of cor.
	Pits impracticable.
	Land,mountainous.
	Soil;rocky,3rd and 4th rate.
	No timber.
	Mountainous land on 80.00 chs.
	Sept.18:At this cor.,I set off 2 °07'N.on the decl.arc; and at 11 h 54 m a.m.,l.m.t.,observe the sun on the meridian;the resulting lat.is 40°34'N.
	North bet.secs.13 and 18.
	Ascend over mountainous land.
5.00	Top of ridge bears NE.and SW.
	Descend.
30.00	Bottom of ravine
	Ascend.
40.00	Set a sandstone,12x12x8 ins.,8 ins.in the ground,for ¼ sec.cor.,marked ¼ on W.face;and raise a mound of stone 2 ft.base,1½ ft.high,W.of cor.
	Pits impracticable.
	On point of spur projecting SW.
	Descend.
47.00	Bottom of hollow,100 ft.deep,course SW.
	Begin abrupt ascent.
70.00	Begin gradual ascent.
	Enter dense young aspen and pine timber.

West Bdy. of T.2 N., R.1 W.

CHAINS	
80.00	Set a granite stone 15x6x10 ins. 10 ins. in the ground, for cor. of secs. 7-12-13 and 18, marked with 4 notches on the S. and 2 notches on the N. edge; and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
	Pits impracticable.
	Land, mountainous.
	Soil; rocky, 3rd and 4th rate.
	Timber, aspen and pine.
	Mountainous or heavily timbered land on 80.00 chs.

	North bet. secs. 7 and 12.
	Ascend over mountainous land.
40.00	Set a sandstone, 17x12x12 ins., 11 ins. in the ground, for ¼ sec. cor., marked ¼ on W. face; and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
	Pits impracticable.
48.00	Top of ridge bears E. and W.
	Descend.
55.00	Bottom of hollow, 100 ft. deep, course W.
	Ascend.
80.00	Set a sandstone, 14x11x6 ins., 9 ins. in the ground, for cor. of secs. 1-6-7 and 12, marked with 1 notch on the N. and 5 notches on the S. edge; and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
	Pits impracticable.
	Land, mountainous.
	Soil; rocky, 3rd and 4th rate.
	No timber.
	Mountainous land on 80.00 chs.

	North bet. secs. 1 and 6.
	Ascend over mountainous land along SW. slope of ridge.

WEST BDY. OF T. 2 N., R. 1 W.

CHAINS	
10.00	Top of ridge bears NW. and SE.
	Descend.
38.15	Creek, 15 lks. wide, 1 ft. deep, course NW.
39.50	Spring branch, 3 lks. wide, 5 ins. deep, course SW.
	Ascend.
40.00	Set a sandstone, 15x9x8 ins., 10 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face; and raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
	Pits impracticable.
80.00	Set a granite stone 14x14x6 ins. 9 ins. in the ground, for cor. of Tps. 2 and 3 N., Rs. 1 and 2 W., marked
	3 N on NE.,
	1 W on SE.,
	2 N on SW., and
	2 W on NW. face; with 6 notches on each edge; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, S. of cor.
	Pits impracticable.
	Land, mountainous.
	Soil; rocky, and sandy, 3rd rate.
	No timber.
	Mountainous land on 80.00 chs.
	Sept. 18, 1903.

NORTH BDY. OF T. 2 N., R. 1 W.

CHAINS	
	Sept. 26: At 8h a.m., l.m.t., I set off 40°37'N. on the lat. arc; 0°55'S. on the decl. arc; and determine a meridian with the solar at the cor. of Tps. 2 and 3 N., Rs. 1 E. and 1 W., heretofore described, on the Uintah Special Meridian. Thence I run
	West on a random line along the N. bdy. of the Tp., setting temp. ¼ sec. and sec. cors. at intervals of 40.00 chs; and at 480.26 chs., intersect the W. bdy., of the Tp., 55 lks. N. of the cor. of Tps. 2 and 3 N., Rs. 1 and 2 W., heretofore described. The falling answers to a correction of 0°04', or 9 lks. S. per mile. Therfore I run
	N. 89°56'E., on a true line bet. secs. 6 and 31.
	Ascend gradually over broken land.
9.60	Top of ridge bears NW. and SE.
	Descend.
13.60	Enter heavy pine timber, bearing NW. and SE.
17.00	Foot of descent. Thence over broken ground.
40.26	Set a sandstone, 18x12x7 ins., 12 ins. in the ground, for ¼ sec. cor., marked ¼ on N. face; from which A pine, 6 ins. diam., bears N. 49°30'E., 29 lks. dist., marked ¼ S 31 B T. A pine, 24 ins. diam., bears S. 45°30'E., 41 lks. dist., marked ¼ S 6 B T.
50.00	Belt of huge boulders bears N. and S.
80.26	Set a sandstone, 17x10x9 ins., 11 ins. in the ground, for cor. of secs. 5-6-31 and 32, marked with 1 notch on the W. and 5 notches on the E. edge; from which A pine, 6 ins. diam., bears S. 30°30'E., 51 lks. dist., marked T 2 N R 1 W S 5 B T. A pine, 22 ins. diam., bears S. 68°W., 51 lks. dist., marked T 2 N R 1 W S 6 B T.
	No other trees within limits; and raise a mound of

BOOK A-330 (8)

NORTH BDY. OF T. 2 N., R. 1 W.

CHAINS	
	stone, 2 ft. base, 1½ ft. high, W. of cor.
	Pits impracticable.
	Land, mountainous.
	Soil; rocky, 3rd rate.
	Timber, pine.
	Mountainous or heavily timbered land on 80.26 chs.

	N. 89° 56' E., bet. secs. 5 and 32.
	Over level land through scattering pine timber.
10.00	Enter heavy fire killed pine timber.
40.00	Set a sandstone, 15x10x6 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.
	Ascend gradually.
80.00	Set a sandstone, 12x10x9 ins., 8 ins. in the ground, for cor. of secs. 4-5-32 and 33, marked with 2 notches on the W. and 4 notches on the E. edge; and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor. Pits impracticable.
	Corner on ridge bears NW. and SE.
	Land, level and rolling.
	Soil; rocky, 3rd rate.
	Timber, pine.

	N. 89° 56' E., bet. secs. 4 and 33.
	Descend along slope of Farm Creek Canon through fire killed pine and over dead and fallen timber.
40.00	Set a sandstone, 14x12x7 ins., 9 ins. in the ground, for ¼ sec. cor., marked ¼ on N. face; and raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.
	Pits impracticable.
78.20	Bottom of Farm Creek Canon, 250 ft. deep, course SE.
	No water in creek bed at this season of the year.
80.00	Set a sandstone, 15x11x7 ins., 10 ins. in the ground, for

NORTH BDY. OF T. 2 N., R. 1 W.

CHAINS	
	cor. of secs. 3-4-33 and 34, marked with 3 notches on the E. and W. edges; and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
	Pits impracticable.
	Land, mountainous.
	Soil; rocky and sandy., 3rd rate.
	No timber.
	Mountainous land on 80.00 chs.
	Sky overcast at noon, and lat. observation impossible.
	Sept. 26, 1903.

	Sept. 27: At 8h a.m., l.m.t., I set off 40°37'N. on the lat. arc; l °18'S. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 3-4-33 and 34.
	Thence I run
	N. 89°56'E., bet. secs. 3 and 34.
	Ascend abruptly over rocky land.
21.00	Descend.
40.00	Point for ¼ sec. cor., falls on a sandstone boulder, 5x5x 3 ft. above ground; cut a cross (x) at exact cor. point, for ¼ sec. cor., marked ¼ on N. side of cross; and raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.
	Pits impracticable.
64.00	Enter heavy pine timber, bearing NW. and SE.
80.00	Set a sandstone, 18x10x7 ins., 12 ins. in the ground, for cor. of secs. 2-3-34 and 35, marked with 4 notches on the W. and 2 notches on the E. edge; from which
	A pine, 8 ins. diam., bears N. 10°30'E., 39 lks. dist., marked T 3 N R 1 W S 35 B T.
	A pine, 10 ins. diam., bears S. 81°E., 85 lks. dist., marked T 2 N R 1 W S 2 B T.
	A pine, 9 ins. diam., bears S. 30°W., 52 lks. dist., marked T 2 N R 1 W S 3 B T.
	A pine, 11 ins. diam., bears N. 85°W., 80 lks. dist., marked T 3 N R 1 W S 34 B T.

NORTH BD.Y.OF T.2.N.,R.1.W.

CHAINS	
	Land,mountainous.
	Soil;rocky,3rd rate.
	Timber,pine.
	Mountainous or heavily timbered land on 80.00 chs.

	N.89°56'E.,bet.secs.2 and 35.
	Over broken rocky land descend,through heavy pine timber.
5.00	Bottom of gulch,150 ft.deep,course SW.
	Begin abrupt ascent.
15.00	Top of ridge bears NE.and SW.
	Descend.
38.00	Bottom of hollow,200 ft.deep,course SW.
	Ascend.
40.00	Set a sandstone,14x12x9 ins.,9 ins.in the ground,for ¼ sec.cor.,marked ¼ on N.face;from which
	A pine,16 ins.diam.,bears N.40°E.,9 lks.dist., marked ¼ S 35 B T.
	A pine,36 ins.diam.,bears S.31°30'E.,38 lks.dist., marked ¼ S 2 B T.
65.00	Leave timber.
80.00	Set a sandstone,16x11x5 ins.,11 ins.in the ground,for cor.of secs.1-2-35 and 36,marked with 5 notches on the W.and 1 notch on the E.edge;and raise a mound of stone,2 ft.base,1½ ft.high,W.of cor.
	Pits impracticable.
	Land,mountainous.
	Soil;rocky,3rd rate.
	Timber,pine.
	Mountainous or heavily timbered land on 80.00 chs.

	N.89°56'E.,bet.secs.1 and 36.
	Over rocky land descend.
8.50	Brow of White Rocks Canon bears NW.and SE.

NORTH BDY. OF T.2 N., R.1 W.

CHAINS	
	Begin abrupt descent; over ledges into White Rocks Canon.
40.00	Set a sandstone, 18x10x5 ins., 12 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
	Pits impracticable.
80.00	The cor. of Tp. 2 and 3 N., Rs. 1E. and 1 W.
	Land, mountainous.
	Soil; rocky, 3rd and 4th rate.
	No timber.
	Mountainous land on 80.00 chs.
	11.30 A.M., Sept. 27, 1903.

For General description see notes of subdivisions of this Tp.

BOUNDARIES OF T.2 N., R.1 W.
Latitudes, departures and closing errors.

Line designated.	True bearing	Dist.	Latitudes. N.	Latitudes. S.	Departures. E.	Departures. W.
		chs.	chs.	chs.	chs.	chs.
SOUTH BDY.	W.,	480.78				480.78
West Bdy.	N.,	480.00	480.00			
N. bdy.,	N. 89°56'E.	480.26	0.55		480.26	
E. bdy.,	S.,	480.00		480.00		
Convergency.					0.62	
Totals			480.55	480.00	480.88	480.78
			480.00		480.78	
Error in lat. and dep.....			0.55		.....0.10	

James H. Martineau,
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.*

For final affidavits see Book J H 2 N R 1 E, *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 .....

.....

For final affidavits see Book J H 2 N R 1 E

..... 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 ....., 190

.....

SEAL

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BOOK A-330

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 ...., 190 , 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 ....

....

Exterior Boundaries of ... T. 2 N. R. 1 E. ....of the .... meridian, in the .... of ...., which are represented in the foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for .... and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey; and should any fraud be detected, I will suffer the penalty of perjury under the provisions of an Act of Congress approved August 8, 1846.

United States Deputy Surveyor.

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

SEAL

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL.

Salt Lake City, Utah, December 28, 190[illegible]

The foregoing field notes of the survey of the West & North Boundaries Township 2 North Range 1 West of the Uintah Special Base & Meridian, Utah

executed by James D. Martineau

under his contract No. 265, dated July 20, 1905, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Edward H. Anderson

United States Surveyor General.

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

United States Surveyor General.

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BOOK A-330

INDEX DIAGRAM.

Township 3 N. , *Range* 1 W.

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

Meanders Page.....

PRELIMINARY OATHS OF ASSISTANTS.

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

_____, *Chainman.*

_____, *Chainman.*

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

SEAL

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

_____, *Moundman.*

_____, *Moundman.*

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

SEAL

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

_____, *Axman.*

_____, *Axman.*

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

SEAL

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

_____, *Flagman*

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

SEAL

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C

BOOK A-330

FIELD NOTES

W.H.

OF THE SURVEY OF THE

WEST AND NORTH BOUNDARIES

OF

TOWNSHIP NO.3 NORTH

RANGE NO.1 WEST.

Of the Uintah Special Base and *Meridian,*

In the state of Utah.

AS SURVEYED BY

James H. Martineau, *United States Deputy Surveyor,*

Under his Contract No. 265, *dated* July 20, 1903. *190*

Survey commenced Sept. 19, 1903. *190*

Survey completed Oct. 14, 1903. *190*

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W. Bdy Bngl. 5-05-00 ✓
" " 5 54-14 ✓
6-10 ✓
Closing

BOOK A-430

NAMES AND DUTIES OF ASSISTANTS.

HOWARD MARTINEAU	CHAIRMAN.
Ether Tarbet,	"
George Bedde,	"
William D. Munday,	"
Peter E. Furlong,	Houndman.
John W. Galloway,	Axman.
Lyman R. Sherman.	Flagman.

BOOK A-330

INDEX DIAGRAM.

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

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

Meanders Page.....

PRELIMINARY OATHS OF ASSISTANTS.

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

_____, *Chainman.*

_____, *Chainman.*

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

SEAL

_____

_____

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

_____, *Moundman.*

_____, *Moundman*

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

SEAL

_____

_____

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

_____, *Axman*

_____, *Axman*

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

SEAL

_____

_____

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

_____, *Flagma*

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

SEAL

_____

_____

WEST BOUNDARY OF T.3 N.,R.1 W.

CHAINS	
	Survey commenced Sept.19,1903,and executed with the instrument described in book "A" of this survey.
	I know the instrument to be in adjustment from recent observations made Sept.17,1903,and recorded in book "B" of this survey.
	At 8 h a.m.,l.m.t.,I set off 40°37'N.on the lat.arc; 1°49'N.on the decl.arc;and determine a meridian with the solar at the cor.of Tps.2 and 3 N.,Rs.1 and 2 W., heretofore described.
	Thence I run North,bet.secs.31and 36;along the W.bdy. of the Tp.
	Ascend along W.slope of ridge,through heavy aspen timber.
7.00	Leave aspen and enter heavy pine timber;thence over bench.
40.00	Set a sandstone ,18x9x6 ins.,12 ins.in the ground,for ¼ sec.cor.,marked ¼ on W.face;from which
	A pine,24 ins.diam.,bears N.49°E.,22 lks.dist., marked ¼ S 31 B T.
	A pine,16 ins.diam.,bears S.48°W.,44 lks.dist., marked ¼ S 36 B T.
70.00	Top of low ridge bears NW.and SE.
	Descend.
80.00	In bottom of hollow,50 ft.deep,course NW.
	Set a granite stone 18x7x9ins.12ins.in the ground,for cor.of secs.25-30-31 and 36,marked with 1 notch on the S.and 5 notches on the N.edge;from which
	A pine,20 ins.diam.,bears N.71°E.,18 lks.dist., marked T 3 N R 1 W S 30 B T.
	A pine,12 ins.diam.,bears S.52°45'E.,49 lks.dist., marked T 3 N R 1 W S 31 B T.
	A pine,22 ins.diam.,bears S.13°15'W.,42 lks.dist., marked T 3 N R 2 W S 36 B T.
	A pine,6 ins.diam.,bears N.52°W.,27 lks.dist., marked T 3 N R 2 W S 25 B T.

WEST BOUNDARY OF T.3 N.,R.1 W.

CHAINS	
	Land,mountainous .
	Soil:rocky,3rd rate.
	Timber,aspen and pine.
	Mountainous and heavily timbered land on 80.00 chs.
	NORTH,bet.secs.25 and 30.
	Descend over mountainous land through heavy pine timber.
1.00	Creek,5 lks.wide,3 ins.deep,course NW.
	Leave hollow:ascend.
10.00	Top of bench.
20.00	Descend.
30.35	Creek,3 lks.wide,2 ins.deep,course NW.
	Ascend.
40.00	Set a sandstone,12x12x8 ins.,8 ins.in the ground,for ¼ sec.cor.,marked ¼ on W.face:from which
	A pine,6 ins.diam.,bears N.85°30'E.,18 lks.dist., marked ¼ S 30 B T.
	A pine,6 ins.diam.,bears S.45°W.,17 lks.dist., marked ¼ S 25 B T.
45.00	Descend.
80.00	Set a granite stone 20x10x6 ins.15 ins.in the ground,for cor.of secs.19-24-25 and 30,marked with 2 notches on the S.and 4 notches on the N.edge:from which
	A pine,10 ins.diam.,bears N.62°E.,28 lks.dist., marked T 3 N R 1 W S 19 B T.
	A pine,8 ins.diam.,bears S.25°E.,27 lks.dist., marked T 3 N R 1 W S 30 B T.
	A pine,10 ins.diam.,bears S.24°15'W.,35 lks.dist., marked T 3 N R 2 W S 25 B T.
	A pine,6 ins.diam.,bears N.45°15'W.,27 lks.dist., marked T 3 N R 2 W S 24 B T.
	Land,mountainous.
	Soil:rocky,3rd rate.
	Timber,pine.

WEST BOUNDARY OF T.3 N.,R.1 W.

CHAINS	
	Mountainous and heavily timbered land on 80.00 chs.
	North bet.secs.19 and 24.
	Descend over mountainous land along NW.slope,through heavy pine timber.
18.00	Bottom of hollow,150 ft.deep,course NW.
	Ascend.
26.00	Top of spur projects NW.
	Descend.
40.00	Set a sandstone,19x11x5 ins.,14 ins.in the ground,for $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on W.face;from which A pine,8 ins.diam.,bears N.52°E.,30 lks.dist., marked $\frac{1}{4}$ S 19 B T. A pine,6 ins.diam.,bears N.71°W.,25 lks.dist., marked $\frac{1}{4}$ S 24 B T.
60.40	Pole Creek,30 lks.wide,2 ft.deep,in bottom of ravine, 200 ft.deep,course SW.
	Ascend.
80.00	Set a granite stone 18x11x6 ins.12 ins.in ground,for cor.of secs.13-18-19 and 24,marked with 3 notches on the N.and S.edges;from which A pine,6 ins.diam.,bears N.32°E.,17 lks.dist., marked T 3 N R 1 W S 18 B T. A pine,5 ins.diam.,bears S.16°E.19 lks.dist., marked T 3 N R 1 W S 19 B T. A pine,10 ins.diam.,bears S.44°W.,37 lks.dist., marked T 3 N R 2 W S 24 B T. A pine,9 ins.diam.,bears N.48°W.,19 lks.dist., marked T 3 N R 2 W S 13 B T.
	Land,mountainous.
	Soil;rocky,3rd rate.
	Timber,pine.
	Mountainous and heavily timbered land on 80.00 chs.

WEST BOUNDARY OF T.3 N.,R.1 W.

CHAINS	
	Sept.19:At this cor.,I set off 1°44'N.on the decl.arc; and at 11h 54m a.m.,l.m.t.,observe the sun on the meridian;the resulting lat.is 40°39'N.
	North bet secs.13 and 18.
	Ascend over rocky land through heavy pine timber.
32.00	Top of spur projects SE.
	Descend.
37.00	Head of hollow,course SE.
	Ascend.
40.00	Set a sandstone,20x12x10 ins.,15 ins.in the ground,for ¼ sec.cor.,marked ¼ on W.face;from which A pine,14 ins.diam.,bears S.13°E.,13 lks.dist., marked ¼ S 18 B T. A pine,14 ins.diam.,bears west,3 lks.dist., marked ¼ S 13 B T.
47.00	Point of spur projects SSE.
	Descend.
70.50	Creek,2 lks.wide,2 ins.deep,course SE.
	Ascend.
73.00	Top of spur projects SE.
	Descend.
80.00	Set a granite stone 22x11x7 ins.16 ins.in ground,for cor.of secs.7-12-13 and 18,marked with 4 notches on the S.and 2 notches on the N.edge;from which A pine,14 ins.diam.,bears N.61°E.,24 lks.dist., marked T 3 N R 1 W S 7 B T. A pine,14 ins.diam.,bears S.27°E.,9 lks.dist., marked T 3 N R 1 W S 18 B T. A pine,15 ins.diam.,bears S.59°W.,22 lks.dist., marked T 3 N R 2 W S 13 B T. A pine,7 ins.diam.,bears N.34°W.,10 lks.dist., marked T 3 N R 2 W S 12 B T.
	Land,mountainous.

WEST BDY. OF T. 3 N., R. 1 W.

CHAINS	
	Soil; rocky, and sandy 3rd rate.
	Timber, pine.
	Mountainous and heavily timbered land on 80.00 chs.

	North bet. secs. 7 and 12.
	Descend gradually through heavy pine timber.
0.20	Pole Creek, 30 lks. wide, 1 ft. deep, in bottom of ravine, 250 ft. deep, course SE.
	Begin abrupt ascent.
40.00	Set a sandstone, 17x11x6 ins., 11 ins. in the ground, for ¼ sec. cor., marked ¼ on W. face; from which
	A pine, 12 ins. diam., bears N. 41° 50' E., 47 lks. dist., marked ¼ S 7 B T.
	A pine, 12 ins. diam., bears N. 15° W., 20 lks. dist., marked ¼ S 12 B T.
47.00	Top of ridge bears NW. and SE. Descend.
65.00	Trail bears NE. and SW.
80.00	Set a granite stone 18x10x4. ins. 12 ins. in ground, for cor. of secs. 1-6-7 and 12, marked with 5 notches on the S. and 1 notch on the N. edge; from which
	A pine, 12 ins. diam., bears N. 37° E., 19 lks. dist., marked T 3 N R 1 W S 6 B T.
	A pine, 14 ins. diam., bears S. 50° 30' E., 26 lks. dist., marked T 3 N R 1 W S 7 B T.
	A pine, 15 ins. diam., bears S. 12° W., 45 lks. dist., marked T 3 N R 2 W S 12 B T.
	A pine, 18 ins. diam., bears N. 45° W., 12 lks. dist., marked T 3 N R 2 W S 1 B T.
	Land, mountainous.
	Soil; rocky, and sandy 3rd rate.
	Timber, pine.
	Mountainous and heavily timbered land on 80.00 chs.

WEST BDY. OF T.3 N., R.1 W.

CHAINS	
	North bet. secs. 1 and 6.
	Descend over mountainous land through heavy pine timber.
9.00	Bottom of ravine, 150 ft. deep, course E.
	Ascend.
40.00	Set a sandstone, 16x11x8 ins., 11 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face; from which
	A pine, 20 ins. diam., bears S. 37° E., 27 lks. dist., marked $\frac{1}{4}$ S 6 B T.
	A pine, 22 ins. diam., bears S. 81° W., 15 lks. dist., marked $\frac{1}{4}$ S 1 B T.
75.00	Enter scattering pine timber.
80.00	Set a quartzite stone 40x12x10 ins. 30 ins. in ground for cor. of Tps. 3 and 4 N., Rs. 1 and 2 W., marked
	4 N on NE.,
	1 W on SE.,
	3 N on SW., and
	2 W on NW. face; with 6 notches on each edge; from which
	A pine, 6 ins. diam., bears S. 63° 30' E., 2.27 lks. dist., marked T 3 N R 1 W S 6 B T.
	No other trees within limits; and raise a mound of stone, 2 ft. base, 1½ ft. high, S. of cor.
	Pits impracticable.
	Land, mountainous.
	Soil; rocky, 3rd rate.
	Timber, pine.
	Mountainous or heavily timbered land on 80.00 chs.
	Sept. 19, 1903.

NORTH BDY.OF T.3 N.R.1 W.

Chains.

Knowing the N.bdy.of the Tp.will intersect the E.bdy. of Uintah Indian Reservation,I proceed as follows: Oct.14,1903,at 8 h.0 m.a.m.l.m.t.I set off 40°42'N.on lat.arc;7°49½'S.on decl.arc;and determine a meridian with the solar at the cor.of Tps.3 and 4 N.Rs.1 and 2 W.,heretofore described.

Thence I run

East on a true line bet.secs.6 and 31

Ascending over mountainous land;through scattering pine timber.

9.60 Descend along N.slope of ridge bears NW.and SE.

Enter heavy pine timber bearing NW.and SE.

39.64 Allowing for convergency,
Set a sandstone 18x12x10 ins.12 ins.in the ground for ¼ sec.cor.,marked ¼ on N.face;from which

A pine 8 ins.diam.bears N.49°E.39 lks.dist.

marked ¼ S 31 B T

A pine 10 ins.diam.bears S.45°E.62 lks.dist.

marked ¼ S 6 B T

55.00 Trail bears N.and S.

79.64 Set a granite stone 15x12x8 ins.10 ins.in the ground for cor.of secs.5,6,31,and 32,marked with 1 notch on the W.and 5 notches on the E.edge;from which

A pine 10 ins.diam.bears N.18°E.24 lks.dist.

marked T 4 N R 1 W S 32 B T

A pine 12 ins.diam.bears S.23°30'E.14 lks.dist.

marked T 3 N R 1 W S 5 B T

A pine 10 ins.diam.bears S.46°W.19 lks.dist.

marked T 3 N R 1 W S 6 B T

A pine 14 ins.diam.bears N.8°W.20 lks.dist.

marked T 4 N R 1 W S 31 B T

Land mountainous.

Soil rocky;3d rate.

Timber pine.

Mountainous land 79.64 chs.

NORTH BDY.OF T.3 N.R.1 W.

Chains.	
	East bet.secs.5 and 32
7.00	Brow of White Rocks Canon bears N.and S.
	From this point the line extends over impassable sandstone ledges;therefore at this point I
	Set a sandstone 18x12x5 ins.12 ins.in the ground for witness point to ¼ sec.cor.;marked W P on N.face ;and raise a mound of stone 2 ft.base 1½ ft.high N.of cor.
	Thence I offset as follows: South 40.00 chs.;thence East on offset line 48.00 chs.to
55.00	White Rocks Creek 25 lks.wide in bottom of canon,1000 ft.deep,course S.
	I continue on offset line,with continuous measurement E.85.00 chs.;thence N.40.00 chs.to
12.00	On true line bet.secs.4 and 33.
	E.brow of White Rocks Canon,bears N.and S.
	Set a granite stone 18x13x7 ins.12 ins.in the ground for witness cor.to cor.of secs.4,5,32,and 33,marked WC on NE.face; with 4 notches on E.,and 2 notches on W. edge;from which
	A pine 10 ins.diam.bears N.54°E.32 lks.dist. marked W C T 4 N R 1 W S 33 B T
	A pine 10 ins.diam.bears S.27°E.19 lks.dist. marked W C T 3 N R 1 W S 4 B T
	A pine 13 ins.diam.bears S.76°W.12 lks.dist. marked W C T 3 N R 1 W S 4 B T
	A pine 8 ins.diam.bears N.44°W.15 lks.dist. marked W C T 4 N R 1 W S 33 B T
	Thence I run ,with continuous measurement,
	East bet.secs.4 and 33
	Ascend over mountainous land through scattering pine timber.
40.00	Set a sandstone 18x12x8 ins.12 ins.in the ground for ¼ sec.cor.,marked ¼ on N.face;and raise a mound of stone 2 ft.base 1½ ft.high N.of cor.Pits impracticable.
80.00	On top of ridge bearing NW.and SE.

NORTH BDY. OF T.3 N., R.1 W.

CHAINS	
	Set a granite stone, 18x10x10 ins., 12 ins. in the ground, for cor. of secs. 3-4-33 and 34, marked with 3 notches on the E. and W. edges; and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
	Pits impracticable.
	Land, mountainous.
	Soil; rocky, 3rd and 4th rate.
	Timber, pine.
	Mountainous land 160.00 chs.
	Oct. 14: At this cor., I set off 7° 54' S. on the decl. arc; and at 11h 46m a.m., l.m.t., obsefve the sun on the meridian; the resulting lat. is 40° 42' N.

	East bet. secs. 3 and 34.
	Descend over mountainous land.
9.00	Creek, 3 lks. wide, 5 ins. deep, course NW.
	Ascend.
26.00	Descend.
27.80	Same creek, course SW.
	Ascend.
40.00	Set a sandstone, 14x10x8 ins., 9 ins. in the ground, for ¼ sec. cor., marked ¼ on N. face; and raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.
	Pits impracticable.
64.00	Descend.
66.00	Same creek, course NW.
	Ascend.
69.20	Descend.
70.65	Same creek, course SW.
	Ascend.
80.00	Set a granite stone, 18x12x10 ins., 12 ins. in the ground, for cor. of secs. 2-3-34 and 35, marked with 4 notches on the W. and 2 notches on the E. edge; and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.

NORTH BDY. OF T.3 N.,R.1 W.

CHAINS	
	Pits impracticable.
	Land, mountainous.
	Soil; rocky, 3rd and 4th rate.
	No timber.
	Mountainous land on 80.00 chs.

East bet. secs. 2 and 35.

	Ascend over rocky land.
20.00	Top of ridge bears NE. and SW. Descend.
36.00	Enter small park, bearing NW. and SE.
40.00	Set a granite stone, 14x7x7 ins., 9 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
	Pits impracticable.
55.00	Leave park, bearing N. and S.
60.00	A small lake, area about 5 acres, bears N., 3.00 chs. dist.
80.00	Set a granite stone, 18x10x8 ins., 12 ins. in the ground, for cor. of secs. 1-2-35 and 36, marked with 5 notches on the W. and 1 notch on the E. edge; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
	Pits impracticable.
	Land, mountainous.
	Soil; rocky, 3rd and 4th rate.
	No timber.
	Mountainous land on 80.00 chs.

East bet. secs. 1 and 36.

	Ascend over mountainous land.
4.00	Top of ridge bears N. and S. Descend.
18.00	Bottom of hollow, 100 ft. deep, course NW. Ascend.
40.00	Set a sandstone, 16x12x9 ins., 11 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
	Pits impracticable.

See Correction Notes Book 6 Pages 1+2

NORTH BDY. OF T.3 N., R.1 W.

CHAINS

54.50 Top of high ridge bears NW. and SE.
Intersect E. bdy. of Uintah Indian Reservation.

Set a sandstone, 16x12x5 ins., 11 ins. in the ground for closing cor. of Tps. 3 and 4 N., R.1 W.; marked CCUIR 1 W. on W.; 4 N on N.; 3 N on S.; U F R on E. face; with 6 grooves on N.S., and W. faces; and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.

Pits impracticable.

From the closing cor., the 52 Mile Cor. on the bdy., as established by deputies A.H. and F.M. Brown, bears S.64°15'E., 6.10 chs. dist.

Land, mountainous.

Soil; rocky, 3rd and 4th rate.

No timber.

Mountainous land on 54.50 chs.

Oct. 14, 1903.

For general description, see notes of subdivisions of this Tp.

See Corr. Notes Book, Pages 10

BOUNDARIES OF T.3 N., R.1 W.

Latitudes, departures and closing errors.

Line designated.	True bearing.	Dist.	Latitudes. N.	Latitudes. S.	Departures. E.	Departures. W.
E. Bdy., U.I. Reservation	N.64°15'W.	chs. 28.32	chs. 12.30	chs.	chs.	chs. 25.51
N. bdy., T.3 N., R.1 W.	West	454.14				454.14
W. bdy., T.3 N., R.1 W.	South	480.00		480.00		
N. bdy., T.2 N., R.1 W.	N.89°56'E.	480.26	0.56		480.26	
Uintah Special North Meridian.		467.60	467.60			
Convergency						0.60
Totals			480.46	480.00	480.26	480.25
			480.00		480.25	
Error in lat. and dep.			0.46		.01	

James H. Mastmeans,
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.*

For final affidavits see book J Tp 2 N R 1 E ...., *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.*

For final affidavits see book J Tp 2 N R 1 E ...., *Moundman.*

...., *Axman.*

...., *Axman.*

...., *Flagman.*

....

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

SEAL

....

....

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BOOK A-330

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

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

For final affidavits see book J Tp. 2 N R 1 E

..... 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, December 28, 1904

The foregoing field notes of the survey of the West & North Boundaries Township 3 North Range 1 West of the Uintah Special Base & Meridian Utah

executed by James H. Martineau under his contract No. 265, dated July 20 1903, 189 , having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Edward H. Anderson
United States Surveyor General.

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

.....
United States Surveyor General.

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BOOK A-330

Corrective

FIELD NOTES

to book "6" Original field Notes

OF THE SURVEY OF THE

North Boundary

of

Township 3 North, Range 1 West.

Of the Uintah Special Base and Meridian,

Utah

AS SURVEYED BY

James H. Martineau, *United States Deputy Surveyor,*

Under his Contract No. 265, *dated* July 20th, 1903

Survey commenced Oct. 13, 1903

Survey completed Oct. 15, 1903

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BOOK A-330

NAMES AND DUTIES OF ASSISTANTS.

Andrew B. Roberts	Chainman
George W. Fisher	Chainman
Franklin Abplanalp	Moundman
Will Preece	Flagman

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Volume

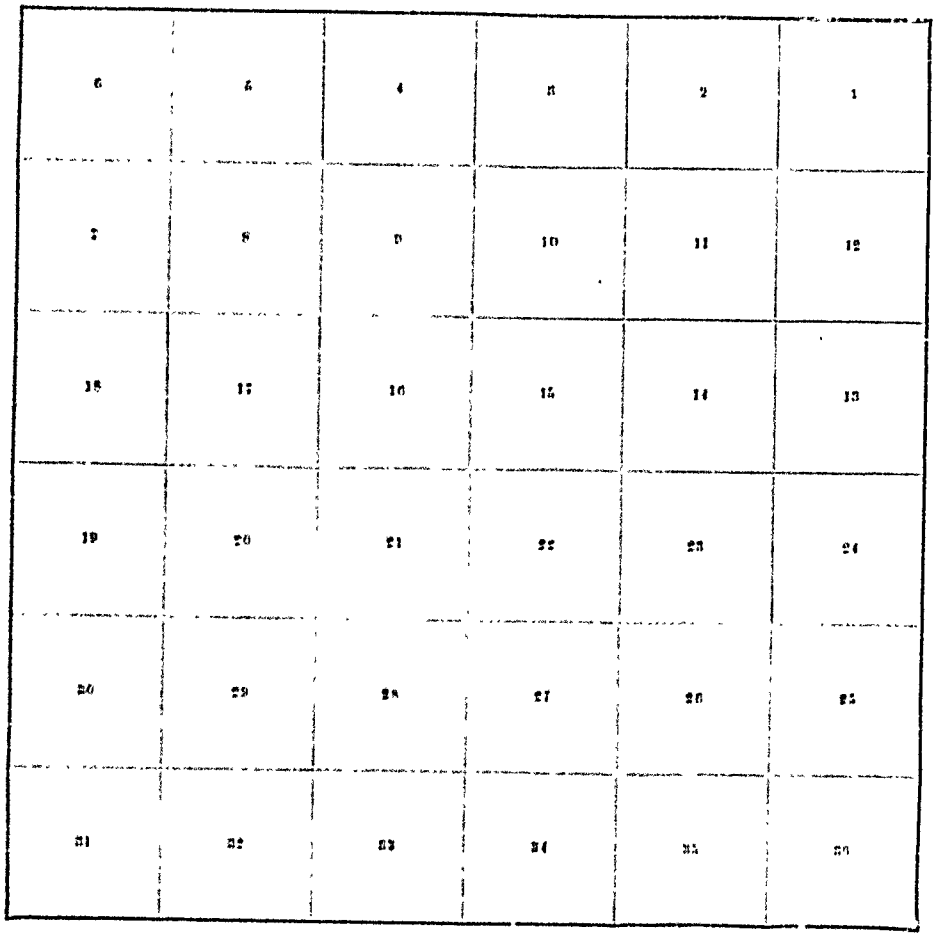
#

R0330

BOOK A-330

INDEX DIAGRAM.

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



6	5	4	3	2	1
7	8	9	10	11	12
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19	20	21	22	23	24
30	29	28	27	26	25
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Meanders Page .....

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Vation. 0 mark a sandstone 25 x 17 x 15 ins. above

PRELIMINARY OATHS OF ASSISTANTS.

WE, Andrew B Roberts and George W Fisher 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; t we will report the true distances to all notable objects, and the true lengths of all lines that we assist measuring, to the best of our skill and ability, and in accordance with instructions given us, in the corre survey the North Boundary of Tp. 3 N. R. 1 W. of the Uintah Spc'l Base & Meridian, Utah

Andrew B Roberts, Chainm

George W Fisher, Chainm

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

John T Pope
Notary Public

SEAL

WE, I Franklin Abplanalp and do solemnly swear that we will well and truly perform the duties of moundman in the establishm of corners, according to the instructions given me, to the best of my skill and ability, in the corrective survey the North Boundary of Tp. 3 N. R. 1 W. of the Uintah Special Base & Meridian, U

Franklin Abplanalp, Moundm

, Moundm

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

John T Pope
Notary Public

SEAL

WE, and do solemnly swear that we will well and truly perform the duties of axmen in the establishment of cor and other duties, according to instructions given us, to the best of our skill and ability, in the corrective survey the North Boundary of Tp. 3 N. R. 1 W. of the Uintah Special Base & Meridian, U

, Axm

, Axm

Subscribed and sworn to before me this day of , 190

SEAL

I, Will Preece, do solemnly swear that I will well and t perform the duties of flagman according to instructions given me, to the best of my skill and ability, in corrective survey of the North Boundary of Tp. 3 N. R. 1 W. of the Uintah Special Base & Meridian, Ut

Will Preece, Flagm

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

John T Pope
Notary Public

SEAL

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Corrective Notes of the N. Bdy. of Sec. 1 T. 3 N. R. 4 W.

Survey Commenced Oct. 13. 1905. and executed with a W & L E Gurley Engineer transit No. 17 with Solar attachment. The horizontal limb is provided with 2 verniers placed opposite each other reading to 30" of Arc. which is also the least count of the Lat. and decl. arcs.

The instrument was examined, tested on the true Mer. at Salt Lake City, Utah, found correct, and was approved by the Surveyor General for Utah Aug. 28th 1903.

I examine the adjustments of the instrument and find them satisfactory in all respects

At 6 h. 03m. P. M. L. M. t. I obs. Pol. at E. elong. at the Cor. of Secs. 1. 6. 7 and 12 on the Uintah Special Mer. in accordance with the manual, and mark a point on the line thus determined by a tack driven in a peg set firmly in the ground 5.00 Chs. N. of my Station. long. 109° 57' 30" W. Lat. 40° 41' 06" N.

Oct. 13. 1905

Oct. 14. 1905

At 7h 30m A. M. l. m. t. I lay off the Azimuth of Pol. 1° 35' to the W. and mark a point on the Mer. thus determined by driving a tack in a peg set firmly in the ground 5.00 Chs. N. of the Cor.

The bearing of the Mer. is N. 16° 37' W., which gives the Mag. decl. 16° 37' E.

Oct. 15. 1905.

From the Cor. of Secs. 1. 2. 35 and 36 on the N. Bdy. of the Tpl described correctly in the field notes of the original Survey, I retrace

East. bet. Secs. 1 and 36

39.99 fall 2 lks. S. of 1/4 sec. Cor.

53.49 A closing Cor. erroneously set in 1904 because of an erroneous bearing of the East Bdy. line of the Uintah Indian Reservation furnished me by the Deputy. I destroy this Cor. and traces thereof.

59.26 Intersect the East Bdy. of the Uintah Indian Reservation. I mark a sandstone 25 x 17 x 15 ins. above

See neg. note book pages 10.

Corrective Notes of N. Bdy. of Sec. 1 T. 3 N. R. 1 W.

ground for closing Cor. of Secs. 1 and 36. Mkd c c on W. face, U F R on E. face, with 6 grooves on W. 8 x 8 faces and raise a mound of Stones 2 ft base 1½ ft high W. of Cor., from which

A pine 20 ins. dia. bears N. 66° 00' W. 52 lks. dist.
Mkd. T 4 N R 1 W S 36 B T

A pine 12 ins. dia bears S. 35° 30' W. 71 lks. dist.
Mkd. T 3 N R 1 W S 1 B T

From the Cor. the 52° mile cor. on the Bdy. as established by Deputies A. H. and F. M. Brown bears S. 72° 39' E. 8.35 chs. distant.

No Change in topography on this line

Note. I destroy an erroneous C.C. 63.00 chs. E. of the Cor. of Secs. 1, 2, 35 and 36, with all traces thereof. Also a cor. set in 1904 for the Cor. of Tps. 3 and 4 N., Rs. 1 E. and 1 W., destroying all traces thereof.

Oct. 15. 1905

Boundaries of Sec. 1 T. 3 N. R. 1 W.

Latitudes, departures and closing errors.

Lines designated	True Bearing	Distance	Latitudes N.	Latitudes S.	Departures E.	Departures W.
		chs.	chs.	chs.	chs.	chs.
South Bdy.	N. 89° 58' W	80.43	.05	—	—	80.43
West Bdy.	N. 0° 17' W.	80.22	80.22	—		.40
North Bdy.	East	59.26	—	—	59.26	—
E. Bdy. U.T. Res.	S. 72° 39' E.	8.35	—	2.49	7.97	—
" " " "	S. 54° 59' E.	16.75	—	9.61	13.72	—
Uintah Special Mer.	South	67.84	—	67.84	—	—
		312.72	80.27 79.94	79.94	80.95 80.83	80.83
Error in Lat. and Dep.			.33		.12	

James H. Martineau
U. S. Dep. Sur.

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by James H. Martineau, United States Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the corrective survey of the North Boundary of Tp 3 N R 1 W of the Uintah Special Base & Meridian Utah showing the respective capacities in which they acted:

Andrew B Roberts, *Chainman.*
George W. Fisher, *Chainman.*
Franklin Applanalp, *Moundman.*
, *Moundman.*
, *Axman.*
, *Axman.*
Will Preece, *Flagman.*

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted James H. Martineau, United States Deputy Surveyor, in surveying all those parts or portions of the North Boundary of Tp. 3 N. R. 1 W. of the Uintah Special Base and meridian, State of Utah, which are represented in the foregoing field notes as having been surveyed by him and under his direction; and that said corrective 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.

Andrew B. Roberts, *Chainman.*
George W Fisher, *Chainman.*
Franklin Applanalp, *Moundman.*
, *Moundman.*
, *Axman.*
, *Axman.*
Will Preece, *Flagman.*

Subscribed and sworn to before me this 20th day of October, 1905

SEAL

John T Pope
Notary Public

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FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

James H. Martineau United States Deputy Surveyor, solemnly swear that, in pursuance of a contract received from Edward H. Anderson United States Surveyor General for Utah bearing date of the 20th day of July, 1903, I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for Utah, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of the North Boundary of Township 3 North Range 1 West

of the Uintah Special Base and meridian, in the State of Utah, which are represented in the foregoing corrected field notes as having been surveyed by me, and under my direction; and I do further solemnly swear that all the corners of said corrective survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for Utah and in the specific manner described in the field notes, and that the foregoing are the original field notes of such corrective survey.

James H. Martineau
United States Deputy Surveyor

Subscribed by said James H. Martineau, and sworn to before me this 8 day of March, 1906

Thomas Hull
U. S. Surveyor General for Utah

SEAL

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, December 8, 190

The foregoing field notes of the corrective survey of the North Boundary of Township 3 North Range 1 West of the Uintah Special Base & Meridian, Utah

executed by James H. Martineau under his contract No. 265, dated July 20, 1903, having been carefully examined, and the necessary corrections and explanations made, the said corrective field notes, and the surveys they describe, are hereby approved.

Thomas Hull
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-330

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FIELD NOTES

OF THE SURVEY OF THE

NORTH BOUNDARY OF TOWNSHIP

NO. 1 NORTH

RANGE NO. 1 WEST.

Of the Uintah Special Base and *Meridian,*

In the State of Utah.

AS SURVEYED BY

James H. Martineau., *United States Deputy Surveyor,*

Under his Contract No. 265, *dated* July 20, 1903., *189*

Survey commenced Sept. 20, 1903., *189*

Survey completed Sept. 20, 1903., *189*

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BOOK A-330

NAMES AND DUTIES OF ASSISTANTS.

Howard Martineau	Chainman.
Ether Tarbet,	"
George Beddo,	"
William D. Munday	"
Peter T. Furlong,	Moundman.
John W. Gallaway,	Axman.
Lyman R. Sherman,	Flagman.

For preliminary affidavits see book "B" Tp 2 N R 1 W

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BOOK A-330

INDEX DIAGRAM.

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

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

Meanders Page.....

PRELIMINARY OATHS OF ASSISTANTS.

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

.....

....., *Chainma*

....., *Chainma*

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

SEAL

.....

.....

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

.....

....., *Moundma*

....., *Moundma*

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

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 ....., 190

SEAL

.....

.....

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

....., *Flagm*

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

SEAL

.....

.....

NORTH BDY. OF T. 1 N., R. 1 W.

CHAINS

Survey commenced Sept. 20, 1903, and executed with the instrument described in book "A" of this survey.

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

I begin at the old established cor. to secs. 2-3-34 and 35, which is a sandstone, 18x8x6 ins., marked and witnessed as described by the surveyor general, in approximate latitude 40°31'33"N., longitude 109°59'46"W., I set off 40°32'N. on the lat. arc; 1°18'N. on the decl. arc; at 4h pm, l mt. determine with solar a meridian and mark a point thereof on a stone firmly set in the ground, 5 chs. N. of the cor.

At 7 h35m p.m., l.m.t., I observe Polaris at eastern elongation in accordance with Instructions in the Manual, and mark a point in the line thus determined, by a peg driven in the ground, 5 chs. N. of my station.

Sept. 20, 1903.

Sept. 21: At 7h a.m., I lay off the azimuth of Polaris 1°35' to the west, and mark the meridian thus determined by cutting a small groove in the stone, set yesterday, on which the meridian falls 0.3 ins. east of the mark determined by the solar.

At 8h a.m., l.m.t., I set off 40°32'N. on the lat. arc; 1°02'N. on the decl. arc; and mark a point in the 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 meridian established by the Polaris observation.

The solar apparatus, by p.m. and a.m. observations defines

NORTH BDY. OF T.1 N., R.1 W.

CHAINS	
	positions for meridians respectively about 0'16" W. and 0'11" 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 8h 30m a.m., is N.16°37'W.; the angle thus determined gives the mag. decl. 16°37'E.
	From the cor. to secs. 2-3-34 and 35, heretofore described, I run west on a random line, setting temp. ¼ sec. and sec. cors. at intervals of 40.00 chs.; and at 240.78 chs., intersect N. and S. line, 4 lks. N. of the cor. of secs. 5-6-31 and 32, which is a sandstone, 8x12x 5 ins. above ground, marked a s described by the surveyor general;
	There being no mounds, pits or bearing trees, I mark
	A cedar, 5 ins. diam., bears N.19°30'E., 10 lks. dist., marked T 2 N R 1 W S 32 B T.
	A pine, 12 ins. diam., bears S.45°E., 54 lks. dist., marked T 1 N R 1 W S 5 B T.
	A pine, 10 ins. diam., bears S.12°30'W., 17 lks. dist., marked T 1 N R 1 W S 6 B T.
	A pine, 12 ins. diam., bears N.49°15'W., 36 lks. dist., marked T 2 N R 1 W S 31 B T.
	I apportion the excess of 78 lks. equally among the 3 miles, making each mile 80.26 chs.
	From the above mentioned cor., I run
	East on a true line bet. secs. 5 and 32.
	Through cedar timber.
12.40	Top of ridge bears N. and S.
	Descend.
25.00	Foot of descent. Leave timber.
	Thence along level land.
39.92	Dry run, 25 lks. wide, 5 ft. deep, course S.
40.13	Set a sandstone, 15x10x8 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.

NORTH BDY. OF T. 1 N., R. 1 W.

CHAINS	
	Pits impracticable.
59.00	Enter heavy cedar timber, bearing N. and S. Ascend.
69.00	Top of ridge bears N. and S.
	Descend.
80.26	Set a sandstone, 14x10x5 ins., 9 ins. in the ground, for cor. of secs. 4-5-32 and 33, marked with 4 notches on the E. edge; and 2 notches on the W. edge; from which
	A cedar, 8 ins. diam., bears N. 14° 25' E., 35 lks. dist., marked T 2 N R 1 W S 33 B T.
	A pine, 10 ins. diam., bears S. 12° E., 10 lks. dist., marked T 1 N R 1 W S 4 B T.
	A pine, 16 ins. diam., bears S. 17° W., 17 lks. dist., marked T 1 N R 1 W S 5 B T.
	A cedar, 14 ins. diam., bears N. 74° W., 28 lks. dist., marked T 2 N R 1 W S 32 B T.
	Land, mountainous
	Soil; rocky, 3rd rate, and 4th rate.
	Timber, cedar.
	Mountainous or heavily timbered land on 80.26 chs.

	East bet. secs. 4 and 33.
	Descend abruptly through heavy cedar timber.
3.00	Bottom of ravine, 100 ft. deep, course S.
	Ascend.
8.50	Top of ridge bears N. and S.
	Descend.
31.00	Brink of descent, very steep, and rocky.
27.80	Bottom of ravine, 100 ft. deep, course S.
	Ascend.
32.00	Top of ridge bears N. and S.
	Descend.
40.13	Set a sandstone, 18x10x6 ins., 12 ins. in the ground, for ¼ sec. cor., marked ¼ on N. face; from which

NORTH BDY. OF T. 1 N., R. 1 W.

CHAINS	
	A cedar, 9 ins. diam., bears N. 10° E., 14 lks. dist., marked $\frac{1}{4}$ S. 33 B T.
	A cedar, 7 ins. diam., bears S. 14° 30' W., 26 lks. dist., marked $\frac{1}{4}$ S 4 B T.
50.00	Foot of descent.
	Leave timber, and enter dense artemisia.
80.26	Set a sandstone, 12x8x6 ins., 8 ins. in the ground, for cor. of secs. 3-4-33 and 34, marked with 3 notches on the E. and W. edges; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
	Pits impracticable.
	Land, mountainous and level.
	Soil; rocky, 3rd and 4th rate.
	Timber, cedar.
	Mountainous or heavily timbered land or dense undergrowth on 80.26 chs.

	East bet. secs. 3 and 34.
	Over level land through dense artemisia.
40.13	Set a sandstone, 14x10x9 ins., 9 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
	Pits impracticable.
41.90	Dry run, 30 lks. wide, 12 ins. deep, course SW.
	Ascend. gradually;
50.00	Enter heavy cedar timber, bears W. and S. Begin abrupt ascent.
63.50	Top of ridge bears N. and S.
	Descend over top of ridge.
80.26	The cor. of secs. 2-3-34 and 35, heretofore described.
	Land, mountainous and level.
	Soil; rocky, 3rd and 4th rate.
	Timber, cedar.
	Mountainous land or heavily timbered or dense underg

NORTH BDY. OF T.1 N., R.1 W.

CHAINS

growth on 80.26 chs.

Sept.20,1903.

BOUNDARIES OF T.1 N., R.1 W.

Latitudes, departures and closing errors.

Line designated.		True bearing	Dist.	Latitudes. N.	Latitudes. S.	Departures. E.	Departures. W.
N.bdy., T.1 N.,	R.1 W.	West.	chs. 240.78	chs.	chs.	chs.	chs. 240.78
E.bdy.	Sec.6	S.0°06'E.	80.70		80.70	.13	
S.bdy.	Sec.5	S.89°43'E.	79.95		0.40	79.95	
S.bdy.	Sec.4	S.89°43'E.	80.40		0.40	80.40	
S.bdy.	Sec.3	S.89°49'E.	80.39		0.26	80.39	
E.bdy.	Sec.3	N.0°09'E.	80.20	80.20		0.21	
Convergency							0.05
Totals				80.20	81.76	241.08	240.83
					80.20	240.83	
Errors in lat. and dep.....					1.56	0.25	

James H Martineau

US. 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.*

For final affidavits see book J. H. 2 N. R. 1 E., *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.*

For final affidavits see book J. H. 2 N. R. 1 E., *Moundman.*

_____, *Axman.*

_____, *Axman.*

_____, *Flagman.*

_____

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

_____

_____

SEAL

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BOOK A-330

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 _____, 190 , 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 _____, 190

SEAL

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, December 28, 1904

The foregoing field notes of the survey of the East Boundary of Township North, Range 1 West of the Uintah Special Base and Meridian, Utah

executed by James H. Martineau under his contract No. 265, dated July 20, 1903, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Edward M. Anderson

United States Surveyor General.

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

_____

United States Surveyor General.

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BOOK A-330

FILED
SEP 10 1904

FIELD NOTES

OF THE SURVEY OF THE

Uintah Special Meridian

through

Township No. 2 North.

Of the Uintah Special Base and ..... *Meridian,*

In the state of Utah.

AS SURVEYED BY

James H. Martineau ..... *United States Deputy Surveyor,*

Under his Contract No. 265 ....., *dated* July 20, 1903. ....., *190*

Survey commenced Sept. 23, 1903. ....., *190*

Survey completed Sept. 24, 1903. ....., *190*

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Fee $ 6.00 00

BOOK A-330

NAMES AND DUTIES OF ASSISTANTS.

Howard Martineau	CHAINMAN.
Ether Tarbet,	"
George Beddo,	"
William D.Munday,	"
Peter T.Furlong,	Moundman.
John W.Gallaway,	Axman.
Lyman R.Sherman,	Flagman.

Volume
#
R0330

BOOK A-330

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Meanders Page .....

PRELIMINARY OATHS OF ASSISTANTS.

WE, Howard Martineau Ethan Tarbet and George B Bedda Wm D. Munday 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 Uintah Special Meridian through Tps. 2 and 3 N. of the Uintah Special Base, Utah.

Howard Martineau, Chainman.
Ethan Tarbet, Chainman.
Geo. Bedda, Chainman.

Subscribed and sworn to before me this 23rd day of September 1903, 189.
Wm D Munday.
James H. Martineau
U.S. Dep. Surveyor

SEAL

WE, I, Peter T. Furlong 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 Uintah Special Meridian through Tps. 2 and 3 N. of the Uintah Special Base, Utah.

Peter T. Furlong, Moundman.
, Moundman.

Subscribed and sworn to before me this 23rd day of September 1903, 189
James H. Martineau
U.S. Dep. Surveyor

SEAL

WE, I, John W. Galloway 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 Uintah Special Meridian through Tps. 2 and 3 N. of the Uintah Special Base, Utah.

John W. Galloway, Axman.
, Axman.

Subscribed and sworn to before me this 23rd day of September 1903, 189
James H. Martineau
U.S. Dep. Surveyor

SEAL

I, Lyman R Sherman, 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 Uintah Special Meridian through Tps. 2 and 3 N. of the Uintah Special Base, Utah.

Lyman R. Sherman, Flagman.

Subscribed and sworn to before me this 23rd day of September 1903, 189
James H. Martineau
U.S. Dep. Surveyor

SEAL

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UINTAH SPECIAL MERIDIAN THROUGH T.2 N.

CHAINS

Survey commenced Sept.23,1903,and executed with the instrument described in book "A" of this survey.

At the cor.of Tps.1 and 2 N.,Rs.1 E.and 1 W.,in approximate latitude 40°31'33"N.,longitude 109°57'30"W.which cor.is a sandstone,16x12x6 ins.in a mound of stone, marked and witnessed as described by the surveyor general.

At 2 h.0 m.p.m. l.m.t.,I set off 40°32'N.on the lat.arc;0°9'S.on the decl.arc;and determine with the solar a meridian,and mark a pointthereof on a stone,firmly set in the ground, 5 chs.N.of the cor.

At 7h 23m p.m.,l.m.t.,I observe Polaris at eastern elongation,in accordance with the Manual of Instructions and mark a point in the line thus determined,on a peg driven in the ground,5 chs.N.of my station.

Sept.23,1903.

Sept.24:

At 7h a.m.,l.m.t.,I lay off the azimuth of Polaris, 1°35' to the west,and mark the meridian thus determined by cutting a small groove in the stone,set Sept.23,on which the meridian falls.0.3 ins.east of the mark determined by the solar.

At 8h a.m.,l.m.t.,I set off 40°32'N.on the lat.arc; 0°08'S.on the decl.arc;and mark a point in the meridian determined with the solar,by a cross(x)on the stone already set.5 chs.N.of my station;this mark falls 0.2 ins.east of the meridian established by the Polaris observation.

The solar apparatus,by p.m.and a.m.observations defines positions for meridians,respectively about 0'16" west and 0'11"east of meridian established by the Polaris observations;therefore I conclude that the adjustments of the instrument are satisfactory.

UINTAH SPECIAL MERIDIAN THROUGH T.2 N.

CHAINS	
	The magnetic bearing of the true meridian at 8h30m a.m., l.m.t., in N.16°37'W.; the angle thus determined gives the magnetic declination 16°37'E.
	From the Tp.cor., already described I run
	North bet.secs.31 and 36.
	Over rocky land through heavy cedar timber, ascend gradually.
	Difference bet.measurements of 40.00 chs.by two sets of chainmen is 6 lks.; position of middle point
	By 1st set, 40.03 chs.,
	By 2nd set, 39.97 chs., the mean of which is
40.00	Set a sandstone, 18x14x8 ins., 12 ins.in the ground, for ¼ sec.cor., marked ¼ on W.face; from which
	A cedar, 6 ins.diam., bears N.46°8'E., 48 lks.dist., marked ¼ S 31 B T.
	A cedar, 6 ins.diam., bears S.79°W., 39 lks.dist., marked ¼ S 36 B T.
	Difference bet.measurements of 80.00 chs.by two sets of chainmen is 8 lks.; position of middle point
	By 1st set 80.04 chs.,
	By 2nd set, 79.96 chs., the mean of which is
80.00	Set a sandstone, 14x10x9 ins., 9 ins.in the ground, for cor.of secs.25-30-31 and 36, marked with 1 notch on the S.and 5 notches on the N.edge; from which
	A cedar, 7 ins.diam., bears N.37°45'E., 57 lks.dist., marked T 2 N R 1 E S 30 B T.
	A cedar 8 ins.diam., bears S.33°15'E., 32 lks.dist., marked T 2 N R 1 E S 31 B T.
	A cedar, 8 ins.diam., bears S.50°45'W., 38 lks.dist., marked T 2 N R 1 W S 36 B T.
	A cedar, 10 ins.diam., bears N.27°50'W., 22 lks.dist., marked T 2 N R 1 W S 25 B T.
	Land, mountainous.
	Soil; rocky, and sandy 3rd and 4th rate.

UINTAH SPECIAL MERIDIAN THROUGH T.2 N.

CHAINS	
	Timber, cedar.
	Mountainous and heavily timbered land on 80.00 chs.

	North bet.secs.25 and 30.
	Over broken rocky land ascend gradually through heavy cedar timber.
	Difference bet.measurements of 40.00 chs.by two sets of chainmen is 12 lks.position of middle point
	By 1st set,40.06 chs.,
	By 2nd set,39,94 chs.,the mean of which is
40.00	Point for $\frac{1}{4}$ sec.cor.,falls on a sandstone rock in place, 3x3x2 ft.above ground;cut a cross(x)at exact cor.point, for $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on W.side of cross;from which
	A cedar,10 ins.diam.,bears N.26°E.,8 lks.dist., marked $\frac{1}{4}$ S 30 B T.
	A cedar,9 ins.diam.,bears S.88°W.,12 lks.dist., marked $\frac{1}{4}$ S 25 B T.
60.00	Leave heavy timber,bearing E.and W.
69.00	Begin more abrupt ascent,bearing E.and W.
79.00	Enter heavy cedar timber,bearing E.and W.
	Difference bet.measurements of 80.00 chs.,by two sets of chainmen is 10 lks.;position of middle point
	By 1st set 80.05 chs.,
	By 2nd set,79.95 chs.,the mean of which is
80.00	Set a sandstone,16x14x10 ins.,11 ins.in the ground,for cor.of secs.19-24-25 and 30,marked with 2 notches on the S.and 4 notches on the N.edge;from which
	A cedar,8 ins.diam.,bears N.39°25'E.,43 lks.dist., marked T 2 N R 1 E S 19 B T.
	A cedar,8 ins.diam.,bears S.40°30'E.,51 lks.dist., marked T 2 N R 1 E S 30 B T.
	A cedar,9 ins.diam.,bears S.64°W.,38 lks.dist., marked T 2 N R 1 W S 25 B T.
	A cedar,10 ins.diam.,bears N.17°20'W.,11 lks.dist.,

UINTAH SPECIAL MERIDIAN THROUGH T.2 NORTH.

CHAINS	
	marked T 2 N R 1 W S 24 B T.
	Land, mountainous.
	Soil; rocky, 3rd and 4th rate.
	Timber, cedar.
	Mountainous or heavily timbered land on 80.00 chs.

	North bet. secs. 19 and 24.
	Over mountainous land through heavy pine timber, ascend abruptly.
1.50	Top of conical hill, 400 ft. above White Rocks River.
	Descend.
	Difference bet. measurements of 40.00 chs., by two sets of chainmen is 8 lks.; position of middle point
	By 1st set, 40.04 chs.,
	By 2nd set, 39.96 chs., the mean of which is
40.00	Set a sandstone, 30x24x18 ins., 22 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face; from which
	A pine, 6 ins. diam., bears S. 72° E., 15 lks. dist., marked $\frac{1}{4}$ S 19 B T.
	A cedar, 9 ins. diam., bears N. 8° W., 9 lks. dist., marked $\frac{1}{4}$ S 24 B T.
55.00	Leave timber.
72.00	Bottom of ravine, 100 ft. deep, course SE.
	Ascend gradually.
	Enter scattering cedar timber.
	Difference bet. measurements of 80.00 chs., by two sets of chainmen is 14 lks.; position of middle point
	By 1st set, 80.07 chs.
	By 2nd set, 79.93 chs., the mean of which is
80.00	Set a sandstone, 14x10x9 ins., 9 ins. in the ground, for cor. of secs. 13-18-19 and 24, marked with 3 notches on the N. and S. edges; and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
	Pits impracticable.

UINTAH SPECIAL MERIDIAN THROUGH T.2 NORTH.

CHAINS	
	Land, mountainous.
	Soil; rocky, 3rd and 4th rate.
	Timber, cedar and pine.
	Mountainous or heavily timbered land on 80.00 chs.
	Sept.24: At this cor., I set off 0°14'S. on the decl.arc; and at 11h 52m a.m., l.m.t., observe the sun on the meridian; the resulting lat. is 40°34'N.

	North bet.secs.13 and 18.
	Through scattering cedar timber, ascend over mountainous land.
	Difference bet.measurements of 40.00 chs.by two sets of chainmen is 12 lks.: position of middle point
	By 1st set, 40.06 chs.,
	By 2nd set, 39.94 chs., the mean of which is
40.00	Set a sandstone, 16x10x6 ins., 11 ins.in the ground, for ¼ sec.cor., marked ¼ on W.face; and raise a mound of stone, 2 ft.base, 1½ ft.high, W.of cor.
	Pits impracticable.
	Difference bet.measurements of 80.00 chs.by two sets of chainmen is 16 lks.; position of middle point
	By 1st set, 80.08 chs.,
	By 2nd set, 79.92 chs., the mean of which is
80.00	Set a sandstone, 12x9x9 ins., 8 ins.in the ground, for cor.of secs.7-12-13 and 18, marked with 4 notches on the S.and 2 notches on the N.edge; and raise a mound of stone, 2 ft.base, 1½ ft.high, W.of cor.
	Pits impracticable.
	Land, mountainous.
	Soil; rocky, 3rd and 4th rate.
	Timber, cedar.
	Mountainous land on 80.00 chs.

	North bet.secs.7 and 12

UINTAH SPECIAL MERIDIAN THROUGH T.2 N.

CHAINS	
	Ascend abruptly over rocky land.
7.00	Top of high rocky spur projects SE.
	Descend abruptly over precipitous sandstone ledges.
	Difference bet.measurements of 40.00 chs.,by two sets of chainmen is 18 lks.;position of middle point
	By 1st set,40.09 chs.,
	By 2nd set,39.91 chs.,the mean of which is
40.00	Set a sandstone,12x10x8 ins.,8 ins.in the ground,for ¼ sec.cor.,marked ¼ on W.face;and raise a mound of stone,2 ft.base,1½ ft.high,W.of cor.Pits impracticable.
47.00	Ascend. Spur projects E.
	From this point the line falls along face of perpendicular sandstone cliffs and ledges.
	Difference bet.measurements of 70.00 chs.by two sets of chainmen is 14 lks.;position of middle point
	By 1st set,70.07 chs.,
	By 2nd set,69.93 chs.,the mean of which is
70.00	Set a sandstone,14x10x10 ins.,9 ins.in the ground,for witness cor.to cor.of secs.1-6-7 and 12,marked W C on NE.face;with 5 notches on the S.and 1 notch on the N. edge;and raise a mound of stone,2 ft.base,1½ ft.high,W. of cor.
	Pits impracticable.
80.00	Point fo sec.cor.falls on perpendicular face of sandstone ledge;cor.cannot be set.
	Land,mountainous.
	Soil;rocky;3rd and 4th rate.
	No timber.
	Mountainous land on 80.00 chs.

	From the witness cor.set 10.00 chs.S.of the true point for cor.of secs.1-6-7 and 12,I off set as follows:

UINTAH SPECIAL MERIDIAN THROUGH T. 2 N.

Chains.	
	West 14.00 chs.;thence
	North on offset line.
	Difference bet.measurements of 25.00 chs.by two sets of chainmen is 6 lks.;position of middle point
	By 1st set 25.03 chs.
	By 2d set 24.97 chs.;the mean of which is 25.00 chs.;thence E.14.00 chs.to true line bet. secs.1 and 6.
15.00	From true cor.point to secs.1,6,7,and 12,I run
	North bet.secs.1 and 6
	over mountainous land.
38.50	Spring branch 2 lks.wide,course E.
	Difference bet.measurements of 25.00 chs.by two sets of chainmen is 16 lks.;position of middle point
	By 1st set 25.08 chs.
	By 2d set 24.92 chs.,the mean of which is 25.00 chs.,and at
40.00	From true cor.point,
	Set a sandstone 18x12x8 ins.12 ins.in the ground for 1 sec.cor.,marked $\frac{1}{4}$ on W.face;and raise a mound of stone 3 ft.base 1½ ft.high W.of cor.
	Pits impracticable.
52.00	Spring branch 4 lks.wide,6 ins.deep,course SE.
	Descend into White Rocks Canon.
	Difference bet.measurements of 80.00 chs.by two sets of chainmen is 18 lks.;position of middle point
	By 1st set 80.09 chs.
	By 2d set 79.91 chs.,the mean of which is
80.00	Set a sandstone 18x16x16 ins.12 ins.in the ground for cor.of Tps.2 and 3 N.R.1 E.and R.1 W.;marked
	3 N on NE.
	1 E on SE.
	2 N on SW ;and

UINTAH SPECIAL MERIDIAN THROUGH T.2 N.

Chains

1 W on NW.face;with 6 notches on each edge; and raise a mound of stone 2 ft.base 1½ ft.high S. of cor.Pits impracticable.

Land mountainous.

Soil rocky;3d and 4th rate.

No timber.

Mountainous land 80.00 chs.

Sept.24,1903.

For general description see subdivision of T.2 N.R.1 E.

James H. Martineau

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 _____ _____, 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.*

For final affidavits see book F Tp 3N R1E, *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.*

For final affidavits see book F Tp 3N R1E, *Moundman.*

_____, *Moundman.*

_____, *Axman.*

_____, *Axman.*

_____, *Flagman.*

_____

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

_____

SEAL

_____

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BOOK A-330

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 ....., 190 , I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for ....., the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of .....

For final affidavits see book F, Tp 3 N R 1 E

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

.....
United States Deputy Surveyor.

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

.....

SEAL

.....

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, December 28 1904

The foregoing field notes of the survey of the Uintah Special Meridian Township 2 North between Ranges 1 East & 1 West of the Uintah Special Base & Meridian Utah

executed by James H Martineau under his contract No. 265, dated July 20, 1903, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Edward H Anderson
United States Surveyor General.

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

.....
United States Surveyor General.

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4—679.

BOOK A-330

FIELD NOTES

OF THE SURVEY OF THE

UINTAH SPECIAL MERIDIAN

through

Township No. 3 North.

Of the Uintah Special Base line *Meridian,*

In the State of Utah.

AS SURVEYED BY

James H Martineau, *United States Deputy Surveyor,*

Under his Contract No. 265, *dated* July 20, 1903, ~~190~~

Survey commenced Sept. 25, 1903, *190*

Survey completed Sept. 25, 1903, *190*

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BOOK A-330

NAMES AND DUTIES OF ASSISTANTS.

Howard Martineau	Chainman.
Ether Tarbet,	"
George Beddo,	"
William D. Munday,	"
Peter T. Furlong,	Moundman.
John Gallaway	Axman.
Lyman R. Sherman,	Flagman.

For preliminary affidavits see book "E" Tp 2 N R 1 E

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BOOK A-330

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Meanders Page.....

PRELIMINARY OATHS OF ASSISTANTS.

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

_____

_____, *Chainman.*

_____, *Chainman.*

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

_____

SEAL

_____

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

_____

_____, *Moundman.*

_____, *Moundman.*

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

_____

SEAL

_____

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

_____

_____, *Axman*

_____, *Axman*

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

_____

SEAL

_____

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

_____, *Flagman*

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

_____

SEAL

_____

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UINTAH SPECIAL MERIDIAN THROUGH T.3 N.

CHAINS	
	Survey commenced Sept.2 ,1903,and executed with the instrument described in book "A" of this survey. Iknow the instrument to be in adjustment from recent observations made Sept.23,1903,and recorded in book "B" of this survey.
	At 8h a.m.,l.m.t.,I set off 40°37'N.on the lat.arc; 0°31'S.on the decl.arc;and determine a meridian with the solar at the cor.of Tps.2 and 3 N.,Rs.1E.and 1 W. Heretofore described.
	Thence I run
	North bet.secs.31 and 36.
	Descend gradually over marshy land through dense young aspen timber,in bottom of White Rocks Canon.
18.00	Left bank of White Rocks Creek.
19.00	Right bank of WhiteRocks Creek,100 lks.wide,18 ins.deep, in bottom of White Rocks Canon,1500 ft.deep,course SE.
	Begin gradual ascent.
20.00	Leave bottom of canon,bearing NW.and SE.
	Ascend over abrupt SW.slope. Leave aspen timber.
	Difference bet.measurements of 40.00 chs.,by two sets of chainmen is 4 lks.;position of middle point
	By 1st set,40.02 chs.,
	By 2nd set,39.98 chs.,the mean of which is
40.00	Set a sandstone,12x10x8 ins.,8 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.
63.00	Enter scattering pine timber.
66.00	North Fork Cr.10 lks.wide,6 ins.deep,course SW. Ascend.
	Difference bet.measurements of 80.00 chs.,by two sets of chainmen is 8 lks.;position of middle point
	By 1st set,80.04 chs.,
	By 2nd set,79.96 chs.,the mean of which is
80.00	Set a sandstone,16x10x9 ins.,11 ins.in the ground,for cor.of secs.25-30-31 and 36,marked with 1 notch on the

CHAINS

S.and 5 notches on the N.edge;and raise a mound of stone,2 ft.base,1½ ft.high,E.of cor.

Pits impracticable.

Land,mountainous.

Soil:rocky,3rd and 4th rate.

Timber,pine.

Mountainous land on 80.00 chs.

North bet.secs.25 and 30.

Ascend abruptly over SW.slope through scattering pines and young aspen timber.

Difference bet.measurements of 40.00 chs.by two sets of chainmen is 10.1ks.;position of middle point

By 1st set,39.95 chs.,

By 2nd set,40.05 chs.,the mean of which is

40.00 Set a sandstone,18x12x10 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.

60.40 Top of abrupt ascent bears NW.and SE.

Begin gradual ascent.

Difference bet.measurements of 80.00 chs.by two sets of chainmen is 12 lks;position of middle point

By 1st set,79.94 chs.,

By 2nd set,80.06 chs.,the mean of which is

80.00 Set a sandstone,20x15x10 ins.,15 ins.in the ground,for cor.of secs.19-24-25 and 30,marked with 2 notches on the S.and 4 notches on the N.edge;from which

A pine,10 ins.diam.,bears N.25°E.,50 lks.dist.,

marked T 3 N R 1 E S 19 B T.

A pine,8 ins.diam.,bears S.65°E.,45 lks.dist.,

marked T 3 N R 1 E S 30 B T.

A pine,12 ins.diam.,bears S.80°W.,30 lks.dist.,

(3 BOOK A-330

UINTAH SPECIAL MERIDIAN THROUGH TOWNSHIP 3 NORTH.

CHAINS

marked T 3 N R 1 W S 25 B T.

A pine, 10 ins. diam., bears N.85°W., 25 lks. dist., marked T 3 N R 1 W S 24 B T.

Land, mountainous.

Soil; rocky, 3rd and 4th rate.

Timber; aspen and pine.

Mountainous land on 80.00 chs.

North bet. secs. 19 and 24.

Ascend gradually over mountainous land through scattering aspen and pine timber.

Difference bet. measurements of 40.00 chs. by two sets of chainmen is 14 lks.; position of middle point

By 1st set, 39.93 chs.,

By 2nd set, 40.07 chs., the mean of which is

40.00 Set a sandstone, 18x14x6 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.

Difference bet. measurements of 80.00 chs. by two sets of chainmen is 16 lks.; position of middle point

By 1st set, 79.92 chs.,

By 2nd set, 80.08 chs., the mean of which is

80.00 Set a sandstone, 24x20x6 ins., 18 ins. in the ground, for cor. of secs. 13-18-19 and 24, marked with 3 notches on the N. and S. edges; from which

A pine, 20 ins. diam., bears N.24°E., 6 lks. dist., marked T 3 N R 1 E S 18 B T.

A pine, 10 ins. diam., bears S.42°25'E., 29 lks. dist., marked T 3 N R 1 E S 19 B T.

A pine, 9 ins. diam., bears S.48°W., 28 lks. dist., marked T 3 N R 1 W S 24 B T.

A pine, 11 ins. diam., bears N.65°W., 26 lks. dist., marked T 3 N R 1 W S 13 B T.

CHAINS	
	Land, mountainous.
	Soil; rocky, 3rd and 4th rate.
	Timber, aspen and pine.
	Mountainous land on 80.00 chs.
	Sept, 25: At this cor., I set off 0°36'E. on the decl. arc; and at 11h 52m a.m., l.m.t., observe the sun on the meridian; the resulting lat. is 40°39'N.

	NORTH BET. SECS. 13 and 18.
	Over broken land through scattering pine and aspen timber, descend gradually.
	Difference bet. measurements of 40.00 chs. by two sets of chainmen is 18 lks.; position of middle point
	By 1st set, 40.09 chs.,
	By 2nd set, 39.91 chs., the mean of which is
40.00	Set a sandstone, 24x10x6 ins., 18 ins. in the ground, for ¼ sec. cor., marked ¼ on W. face; from which
	A pine, 12 ins. diam., bears N.41°47'W., 16 lks. dist., marked ¼ S 13 B T.
	A pine, 20 ins. diam., bears S.51°45'E., 9 lks. dist., marked ¼ S 18 B T.
45.20	Spring branch, 3 lks. wide, 4 ins. deep, course E.
52.60	Spring branch 4 lks. wide, 4 ins. deep, course E.
	Ascend.
	Difference bet. measurements of 80.00 chs. by two sets of chainmen is 22 lks.; position of middle point
	By 1st set, 40.11 chs.,
	By 2nd set, 79.89 chs., the mean of which is
80.00	A pine, 20 ins. diam., for cor. of secs. 7-12-13 and 18, I mark
	T 3 N S 7 on NE.,
	R 1 E S 18 on SE.; S 13 on SW, and
	S 12 on NW side, with 4 notches on the S. and 2 notches on the N. edge; from which

UINTAH SPECIAL MERIDIAN THROUGH TOWNSHIP 3 NORTH.

CHAINS

A pine,18 ins.diam.,bears S.42°W.,52 lks.dist.,
marked T 3 N R 1 W S 13 B T.

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

Pits impracticable.

Land,mountainous.

Soil:rocky,3rd and 4th rate.

Timber,aspen and pine.

Mountainous land on 80.00 chs.

North bet.secs.7 and 18.

Ascend over broken land through heavy pine timber.

Difference bet.measurements of 40.00 chs.by two sets of chainmen is 18 lks.;position of middle point

By 1st set,40.09 chs.,

By 2nd set,39.91 chs.,the mean of which is

40.00 Set a sandstone,18x17x10 ins.,12 ins.in the ground,for ¼ sec.cor.,marked ¼ on W.face:from which

A pine,20 ins.diam.,bears S.56°E.,24 lks.dist.,
marked ¼ S 7 B T.

A pine,22 ins.diam.,bears N.32°W.,24 lks.dist.,
marked ¼ S 12 B T.

62.00 Spring branch,4 lks.wide,3 ins.deep,course E.

Difference bet.measurements of 80.00 chs.by two sets of chainmen is 20 lks.;position of middle point

By 1st set,80.10 chs.,

By 2nd set,79.90 chs.,the mean of which is

80.00 Set a sandstone,24x20x18 ins.,18 ins.in the ground,for cor.of secs.1-6-7 and 12,marked with 1 notch on the N. and 5 notches on the S.edge:from which

A pine,25 ins.diam.,bears N.25°30'W.,15 lks.dist.,
marked T 3 N R 1 W S 6 B T

A pine,18 ins.diam.,bears S.35°W.,46 lks.dist.,
marked T 3 N R 1 W S 7 B T.

UINTAH SPECIAL MERIDIAN THROUGH TOWNSHIP 3 NORTH.

CHAINS	
	A pine, 9 ins. diam., bears S.51°W., 42 lks. dist., marked T 3 N R 1 W S 12 B T.
	A pine, 10 ins. diam., bears N.71°14'W., 45 lks. dist., marked T 3 N R 1 W S 1 B T.
	Land, mountainous.
	Soil; rocky, 3rd and 4th rate.
	Timber, pine.
	Mountainous land and heavily timbered on 80.00 chs.

	North bet. secs. 1 and 6.
	Ascend over mountainous land through heavy pine timber.
20.00	Descend.
24.00	Bottom of hollow, 50 ft. deep, course SE.
	Ascend.
	Difference bet. measurements of 40.00 chs. by two sets of chainmen is 22 lks.; position of middle point
	By 1st set, 40.11 chs.,
	By 2nd set; 39.89 chs., the mean of which is
40.00	Set a sandstone, 16x14x6 ins., 11 ins. in the ground, for ¼ sec. cor., marked ¼ on W. face; from which
	A pine, 20 ins. diam., bears N.64°E., 1.15 chs. dist., marked ¼ S 6 B T.
	A pine, 30 ins. diam., bears S.50°W., 54 lks. dist., marked ¼ S 1 B T.
48.00	Leave heavy and enter scattering pine timber.
	Difference bet. measurements of 67.60 chs., by two sets of chainmen is 18 lks.; position of middle point
	By 1st set, 67.69 chs.,
	By 2nd set, 67.51 chs., the mean of which is
67.60	Intersect East bdy. of Uintah Indian Reservation, on ridge.
	Set a sandstone, 20x20x8 ins., 15 ins. in the ground, for closing cor. of Tp. 2 N., Rs. 1E. and 1 W., marked
	C C 3 N with 6 grooves on the S.,
	U F R with 6 grooves on E.
	U I R with 6 grooves on the W. faces;

See Correction Notes Book 4 Pages 1 & 2 H35 & H36

UINTAH SPECIAL MERIDIAN THROUGH T 3 N

Chains from which

A pine 36 ins.diam.bears S.21°W.41 lks.dist.
marked T 3 N R 1 W S 1 B T

A pine 36 ins.diam.bears S.19°E.1.15 chs.dist.
marked T 3 N R 1 E S 6 B T.

From the closing cor.the half-mile cor.bet.the 51st and 52d mile corners on the boundary,as established by Deputies A.H.and F.M.Brown,bears S.64°15'E.17.78 chs.dist.

Land mountainous.

Soil rocky;3d and 4th rate.

Timber pine.

Mountainous or heavily timbered land on 67.60 chs.

Sept.25,1903.

For general description see notes of subdivision of T.3 N.R.1 E.

See Not. Page

BOUNDARIES OF T.3 N.R.1 E.

LATITUDES, DEPARTURES, AND CLOSING ERRORS.

Line Designated	True Bearing	Distance	Latitudes N.	Latitudes S.	Departures. E.	Departures. W.
		chs.	chs.	chs.	chs.	chs.
W.bdy.or Uintah Special Meridian	South	467.60	.....	467.60	.....	.....
N.Bdy.T.2 N.R.1 E.	East	99.05	.....	.....	99.05	.....
E.Bdy.of U.I.Reservation	N.40°45'E.	129.02	97.74	.....	84.22	.....
	N.24°15'W.	149.00	135.35	.....	.....	61.20
	N.27°45'E.	16.00	14.16	.....	7.45	.....
	N.39°15'W.	36.00	27.88	.....	.....	22.78
	N.0°15'E.	114.00	114.00	.....	0.50	.....
	N.8°45'W.	12.00	11.86	.....	.....	1.82
	N.30°45'W.	68.00	58.44	.....	.....	34.77 ~~58.44~~
	N.88°15'W.	20.00	0.61	.....	.....	19.99
	S.61°15'W.	20.00	.....	9.62	.....	17.53
	N.64°15'W.	37.78	16.41	.....	.....	34.03
Comvergency						.15
			476.95	477.22	191.22	192.26
				476.95		191.22
Error in lat.and dep.				.27		1.04

James H. Martineau

U.S.Deputy Surveyor.

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by James H. Martineau, 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 Uintah Special Meridian through Tps. 2 and 3 N. of the Uintah Special Base, Utah, showing the respective capacities in which they acted:

Wm D. Munday, *Chainman.*
Ethur Tarbet, *Chainman.*
George Bedda, Chainman, ~~Moundman.~~
Howard Martineau, Chainman, ~~Moundman.~~
John Galloway, *Axman.*
Peter I Furlong, Moundman, ~~Axman.~~
Lyman R. Sherman, *Flagman.*

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted James H. Martineau, United States Deputy Surveyor, in surveying all those parts or portions of the Uintah Special Meridian through Tps. 2 and 3 N. of the Uintah Special Base Meridian, in the state of Utah, which are represented in the foregoing field notes as having been surveyed by him and under his direction; and that said survey has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the corner monuments established, according to the instructions furnished by the United States Surveyor General for Utah

Wm D. Munday, *Chainman.*
Ethur Tarbet / Geo. Bedda, Howard Martineau, *Chainman.*
Peter I. Furlong, *Moundman.*
, *Moundman.*
John Galloway, *Axman.*
, *Axman.*
Lyman R Sherman, *Flagman.*

Subscribed and sworn to before me this 25th day of September, 1903, ~~1903~~.

SEAL

James H. Martineau
U.S. Dep. Surveyor

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FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, James H. Martineau, United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from Edward H. Anderson, United States Surveyor General for Utah, bearing date of the 20th day of July, 1903, 189 , I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for Utah, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of Uintah Special Meridian through Tps. 2 and 3 N.

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

James H. Martineau
United States Deputy Surveyor.

Subscribed by said James H. Martineau and sworn to before me this 5th day of December 1904

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

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL.

Salt Lake City Utah December 28 1904

The foregoing field notes of the survey of the Uintah Special Meridian Tenth and 3 North between Ranges 1 East & 1 West of the Uintah Special Base line in the State of Utah

executed by James H. Martineau under his contract No. 365, dated July 20, 1903, 189 , having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Edward H. Anderson
United States Surveyor General.

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

_____
United States Surveyor General.

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Exd. J.N.

4—679.

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BOOK A-330

Corrective

H.J.B.

FIELD NOTES

to Book "F" Original field Notes.

OF THE SURVEY OF THE

Uintah Special Meridian

through

Township 3 North

Of the Uintah Special Base and Meridian,

Utah

AS SURVEYED BY

James H. Martineau, United States Deputy Surveyor,

Under his Contract No. 265, dated July 20, 1903

Survey commenced Oct. 13, 1905

Survey completed Oct. 14, 1905

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BOOK A-330

NAMES AND DUTIES OF ASSISTANTS.

Andrew B. Roberts, J. H. Lane ..... Chainman

George W. Fisher, Harry G. Hayman ..... Chainman

Franklin Applanalp ..... Rodman

Mike Preece ..... Flagman

BOOK A-330

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19	20	21	22	23	24
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31	32	33	34	35	36

Meanders Page.....

PRELIMINARY OATHS OF ASSISTANTS.

Harry G. Hayman J. H. Lane

We, Andrew B. Roberts and George W. Fisher

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

Uintah Special Meridian through Tp. 3 North of the Uintah Special Base Utah

Harry G. Hayman Andrew B. Roberts Chainm

J. H. Lane George W. Fisher, Chainm

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

John T. Pope
Notary Public

SEAL

We, Frank Alplanalp and

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

Uintah Special Meridian through Tp. 3 North of the Uintah Special Base Utah

Franklin Alplanalp Moundm

Moundm

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

John T. Pope
Notary Public

SEAL

We, and

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

Axm

Axm

Subscribed and sworn to before me this day of , 190

SEAL

I, Will Preece, do solemnly swear that I will well and t perform the duties of flagman according to instructions given me, to the best of my skill and ability, in Corrective survey of Uintah Special Meridian through Tp. 3 North of the Uintah Special Base, Utah

Will Preece Flag

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

John T. Pope
Notary Public

SEAL

6—161

Box No 1

Corrective Notes of the Uintah Special Meridian T

Chains

Survey commenced Oct. 13. 1905 and executed with a W. & L. E. Gurley Engineer transit with Solar attachment. The horizontal limb is provided with two verniers opposite each other reading to 30" of arc, which is also the least count of the verniers of the Lat. and decl. arcs.

The instrument was examined, tested on the true Mer. at Salt Lake City, found correct, and was approved by the Surveyor General for Utah Aug. 28. 1903.

I examine the adjustments of the instrument and find them Satisfactory in all respects

At 6h 03m P. M. l. m. t. I obs. Pol. at E. elong. at the Cor. of Secs. 1. 6. 7 and 12 on the Uintah Special Meridian in accordance with the Manual, and mark a point on the line thus determined by a tack driven in a peg set firmly in the ground 5.00 Chs. N. of my station.

long 109° 57' 30" W. lat. 40° 41' 06" W. Oct. 13, 1905

Oct. 14, 1905

At 7h 30m A. M. l. m. t. I lay off the azimuth of Pol. 1° 35' to the W. and mark a point on the line thus determined by driving a tack in a peg set firmly in the ground 5.00 Chs. N. of the Cor.

The Mag. bearing of the Mer. is N. 16° 37' W. which gives the Magnetic decl. 16° 37' E.

From the cor. of Secs. 1. 6. 7 and 12 on the Uintah Special Meridian correctly discribed in the original field notes of this survey I run North bet. Secs. 1 and 6

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

By 1st Set 40.08 Chs.

By 2d Set 39.92 Chs., the mean of which is

40.00 The 1/4 Sec. Cor. on line.

Difference bet. measurements of 67.84 Chs., the point of intersection with the E. Bdy. of the Uintah Indian Reservation is 8 lks., position of middle point

See original note book pages 6 & 7

Connecting Notes of Uintah Special Meridian. T. 3 N.

Chains	
	By 10th Adj. 67.88 chs.
	By 2nd Adj. 67.80 chs., the excess of which is
64.84	Intersect the E. Bdy. of the Uintah Indian Reservation. I mark a boulder 24 x 18 x 16 ins above ground for a closing Corner of Secs. 1 and 6 mkd. C C on S. face U F R on W. face, with 6 grooves on S. E. & W. faces and raise a mound of stones 2 ft base 1½ ft high S. of Cor. from which a pine 8 ins. dia. bears S. 65° 30' W. 110 lks. dist. Mkd T 3 N R 1 W S 1 B T A pine 14 ins. dia. bears S. 32° 00' E. 140 lks. dist. Mkd. T 3 N R 1 E S 6 B T From the closing Cor. the 52° mile cor. on the Boundary as established by Deputies A. H. and F. M. Brown bears N. 54° 59' W. 16.75 lks. distant. I destroy all traces of old closing Corner. No change in topography on this line Oct. 14. 1905

James H Martineau
U. S. Dep. Surv.

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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 James H. Martineau ..... United States Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the corrective survey of the Uintah Spl Meridian through Tp. 3 N. of the Uintah Special Base Utah showing the respective capacities in which they acted:

Harry G. Hayman Andrew B. Roberts, *Chainman.*
J. H. Lane George W. Fisher, *Chainman.*
Franklin Applanalp, *Moundman.*
....., *Moundman.*
....., *Axman.*
....., *Axman.*
Will Preece, *Flagman.*

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted James H. Martineau ..... United States Deputy Surveyor, in surveying all those parts or portions of the Uintah Special Meridian through Tp. 3 N. .....

..... of the Uintah Special Base & meridian, State of Utah, which are represented in the foregoing field notes as having been surveyed by him and under his direction; and that said corrective 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.

Andrew B. Roberts, Harry G Hayman, *Chainman.*
George W Fisher, J H Lane, *Chainman.*
Franklin Applanalp, *Moundman.*
....., *Moundman.*
....., *Axman.*
....., *Axman.*
Will Preece, *Flagman.*

Subscribed and sworn to before me this 25 day of October, 1905.

SEAL

John H Pope
Notary Public

6—151

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, James H. Martineau, United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from Edward M. Anderson United States Surveyor General for Utah, bearing date of the 20 day of July, 1903, I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for Utah, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of the Uintah Special Meridian Strength Township 3 North of the Uintah Special Base Meridian, in the State of Utah, which are represented in the foregoing (correcture) field notes as having been surveyed by me, and under my direction; and I do further solemnly swear that all the corners of said (work) survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for Utah, and in the specific manner described in the field notes, and that the foregoing are the original field notes of such (correcture) survey.

James H. Martineau
United States Deputy Surveyor

Subscribed by said James H. Martineau, and sworn to before me this 8 day of March, 1906

Thomas Kell
U. S. Surveyor General for Utah

SEAL

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL.

Salt Lake City, Utah, December 8, 190[illegible]

The foregoing (correcture) field notes of the survey of the Uintah Special Meridian Strength Township 3 North of the Uintah Special Base, Utah

executed by James H. Martineau under his contract No. 265, dated July 20, 1903, having been critically examined, and the necessary corrections and explanations made, the said (correcture) field notes, and the surveys they describe, are hereby approved.

Thomas Kell
United States Surveyor General

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

United States Surveyor Gene[illegible]

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4-679
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BOOK A-330

FILED
AUG 24 1904

FIELD NOTES

OF THE SURVEY OF THE

SUBDIVISIONS OF TOWNSHIP

NO. 1 NORTH,

RANGE NO. 1 WEST.

Of the Uintah Special Base and *Meridian,*

In the state of Utah.

AS SURVEYED BY

James H. Martineau, *United States Deputy Surveyor,*

Under his Contract No. 265, *dated* July 20, 1903. ~~189~~

Survey commenced Sept. 21, 1903. ~~189~~

Survey completed Sept. 21, 1903. ~~189~~

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Sept. 2, 1. 88

NAMES AND DUTIES OF ASSISTANTS.

William D Munday	Chainman
Howard Martineau	Chainman
George Beddo	Chainman
Ether Tarbet	Chainman
Peter T. Furlong	Moundman
John W. Galloway	Axman
Lyman R. Sherman	Flagman

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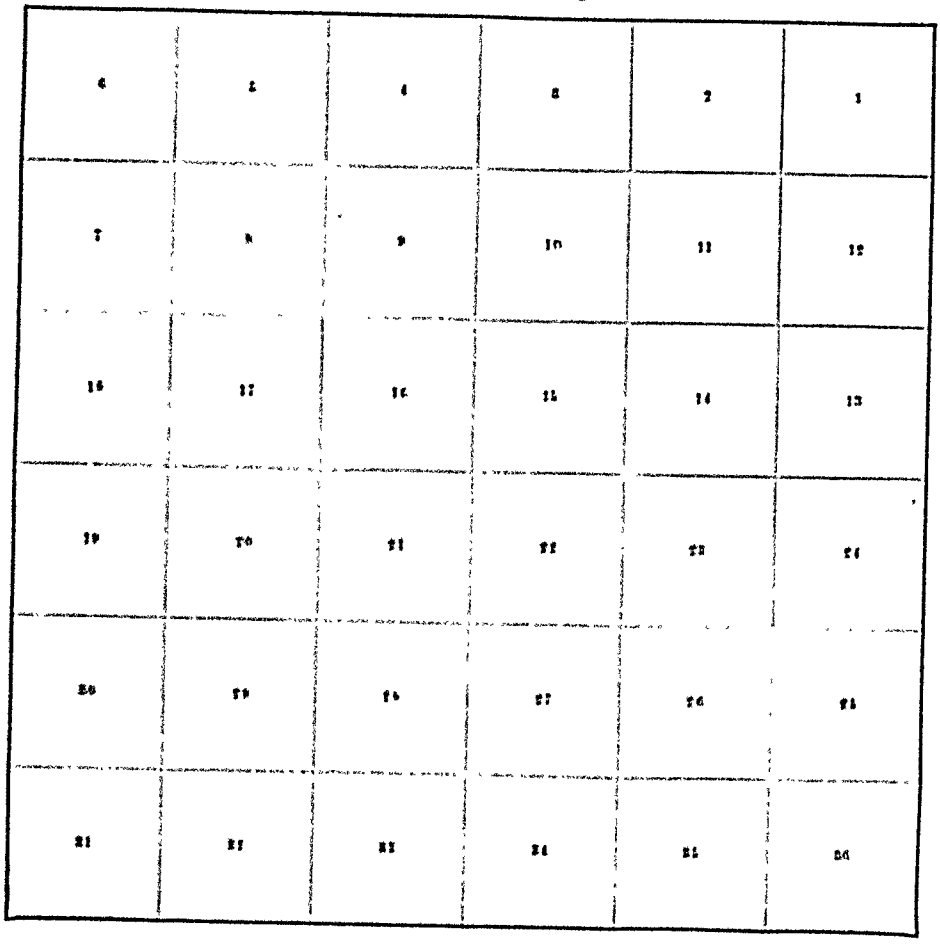
BOOK A-330

INDEX DIAGRAM.

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



Meanders Page.....

PRELIMINARY OATHS OF ASSISTANTS.

WE, Howard Martineau Esther Tarbet and Geo. Beddo Wm D. Munday 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 Subdivisions of Tps.1,2, and 3 N.,R.1 W.,and Tp.3 N.,R.1 E.of the Uintah Special Base and Meridian,Utah.

Howard Martineau, Chainman.
Esther Tarbet, Chainman.
Geo. Beddo, Chainman.
Wm D Munday, Chainman.

Subscribed and sworn to before me this 21st day of September 1903

James H. Martineau
U. S. Dep. Surveyor

SEAL

WE, I. Peter J. Furlong 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 me, to the best of my skill and ability, in the survey of Subdivisions of Tps.1,2 and 3 N.,R.1 W.,and Tp.3 N.,R.1 E.,of the Uintah Special Base and Meridian,Utah.

Peter J. Furlong, Moundman.
———, Moundman.

Subscribed and sworn to before me this 21st day of September 1903

James H. Martineau
U. S. Dep. Surveyor

SEAL

I ~~WE~~, John W. Galloway and ——— do solemnly swear that ~~we~~ I will well and truly perform the duties of axman in the establishment of corners and other duties, according to instructions given me, to the best of my skill and ability, in the survey of Subdivisions of T.1,2 and 3 N.,R.1 W.,and T.3 N.,R.1 E.of the Uintah Special Base and Meridian,Utah.

John W. Galloway, Axman.
———, Axman.

Subscribed and sworn to before me this 21st day of September 1903

James H. Martineau
U. S. Dep. Surveyor

SEAL

I, Lyman R. Sherman, 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 Subdivisions of Tps.1,2 and 3 N.,R.1 W.,and T.3 N.,R.1 E. of the Uintah Special Base and Meridian,Utah.

Lyman R. Sherman, Flagman.

Subscribed and sworn to before me this 21st day of September 1903

James H. Martineau
U. S. Dep. Surveyor

SEAL

SUBDIVISIONS OF T.1 N.,R.1 W.

CHAINS	
	Survey commenced Sept.21,1903,and executed with the instrument described in book "A" of this survey.
	I know the instrument to be in adjustment from recent observations made,Sept.20,and recorded in book "B" of this survey.
	Sky overcast and observation impossible.
	From the cor.of secs.3-4-9 and 10,which is a sandstone, 12x6x8 ins.above ground,marked and witnessed as described by the surveyor general,I run N.0°02'W.on a random line bet.secs.3 and 4.
40.00	Set temp.¼ sec.cor.
80.34	Intersect N.bdy.of the Tp.,14 lks.W.of the cor.of secs. 3-4-33 and 34,heretofore described.
	Thence I run
	S.0°04'W.,on a true line
	bet.secs.3 and 4.
	Over open land,gradually descend,through dense undergrowth.
40.34	Set a sandstone,14x10x9 ins.,9 ins.in the ground,for ¼ sec.cor.,marked ¼ on W.face;and raise a mound of stone,2 ft.base,1½ ft.high,W.of cor.
	Pits impracticable.
60.00	Enter scattering cedar timber.
75.50	Brow of descent bears NW.and SE.
	Leave cedar timber.
	Descend through dense artemisia.
78.00	Foot of mesa.
	Enter Uintah River bottom land.
79.34	Wagon road from White Rocks Canon to saw-mill bears E.and W.
80.34	The cor.of secs.3-4-9 and 10.
	Land,generally level.
	Soil;rocky,3rd rate. River bottom,2nd rate.
	Mountainous land or dense undergrowth on 80.34 chs.

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SUBDIVISIONS OF T.1 N.,R.1 E.

CHAINS	
	From the old established cor.of secs.4-5-8 and 9, which is a sandstone,12x10x11 ins.above ground,marked and witnessed as described by the surveyor gemeral, I run
	N.0°03'W.on a random line bet.secs.4 and 5.
40.00	Set temp.¼ sec.cor.
80.54	Intersect N.bdy.of the Tp.,18 lks.W.of the cor.of secs.4-5-32 and 33,heretofore described.
	Thence I run
	S.0°05'W.,on a true line
	bet.secs.4 and 5.
	Descend over mountainous land through heavy cedar timber.
40.54	Set a sandstone,15x14x9 ins.,10 ins.in the ground,for ¼ sec.cor.,marked ¼ on W.face;from which
	A cedar,14 ins.diam.,bears N.18°25'W.,25 lks.dist., marked ¼ S 5 B T.
	A cedar,10 ins.diam.,bears S.13°15'E.,4 lks.dist., marked ¼ S 4 B T.
54.00	Enter Uintah River bottoms,and leave cedar timber.
55.50	Wagon road from White Rocks Canon to saw-mill bears E. and W.
62.00	Left bank of Uintah River,45 lks.wide,18 ins.deep,course E.
62.45	Right bank of river.
	Enter dense young aspen timber,and marshy land.
70.00	Leave marshy land and enter scattering cedar timber.
76.00	Ascend to mesa.
80.54	The cor.of secs.4-5-8 and 9.
	Land,mountainous and rolling.
	Soil;rocky,3rd and 4th rate.
	Timber,aspen and cedar.
	Mountainous land and heavily timbered on 80.54 chs.
	Sept.21,1903.

SUBDIVISIONS OF T.1 N.,R.1 W.

CHAINS

GENERAL DESCRIPTION.

The land in these secs.is generally hilly and broken and covered with cedars on ridges ,and young growth of aspens in the river bottoms.

The land in the other portions has much cedar, and is very rocky.

Uintah River,passes through this fractional Tp.

There are no settlers in this fracl.Tp.

There is no mineral found in this fracl.Tp.

The formation is sandstone.

James H. Martineau

US.Deputy Surveyor.

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

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

....., *Chainman.*

....., *Chainman.*

....., *Moundman.*

For final affidavits see book K. Tp 3 N R 1 E, *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.*

For final affidavits see book K. Tp 3 N R 1 E, *Moundman.*

....., *Axman.*

....., *Axman.*

....., *Flagman.*

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

SEAL

6—151

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

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

For final affidavits see book K Tp 3 N R 1 E

..... 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 December 28, 1904

The foregoing field notes of the survey of the sub divisional lines of Township 1 North Range 1 West of the Uintah Special Base & Meridian Utah

executed by James H Martineau under his contract No. 265, dated July 20, 1903, ~~189~~, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Edward H Anderson
United States Surveyor General.

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

.....
United States Surveyor General.

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