Volume

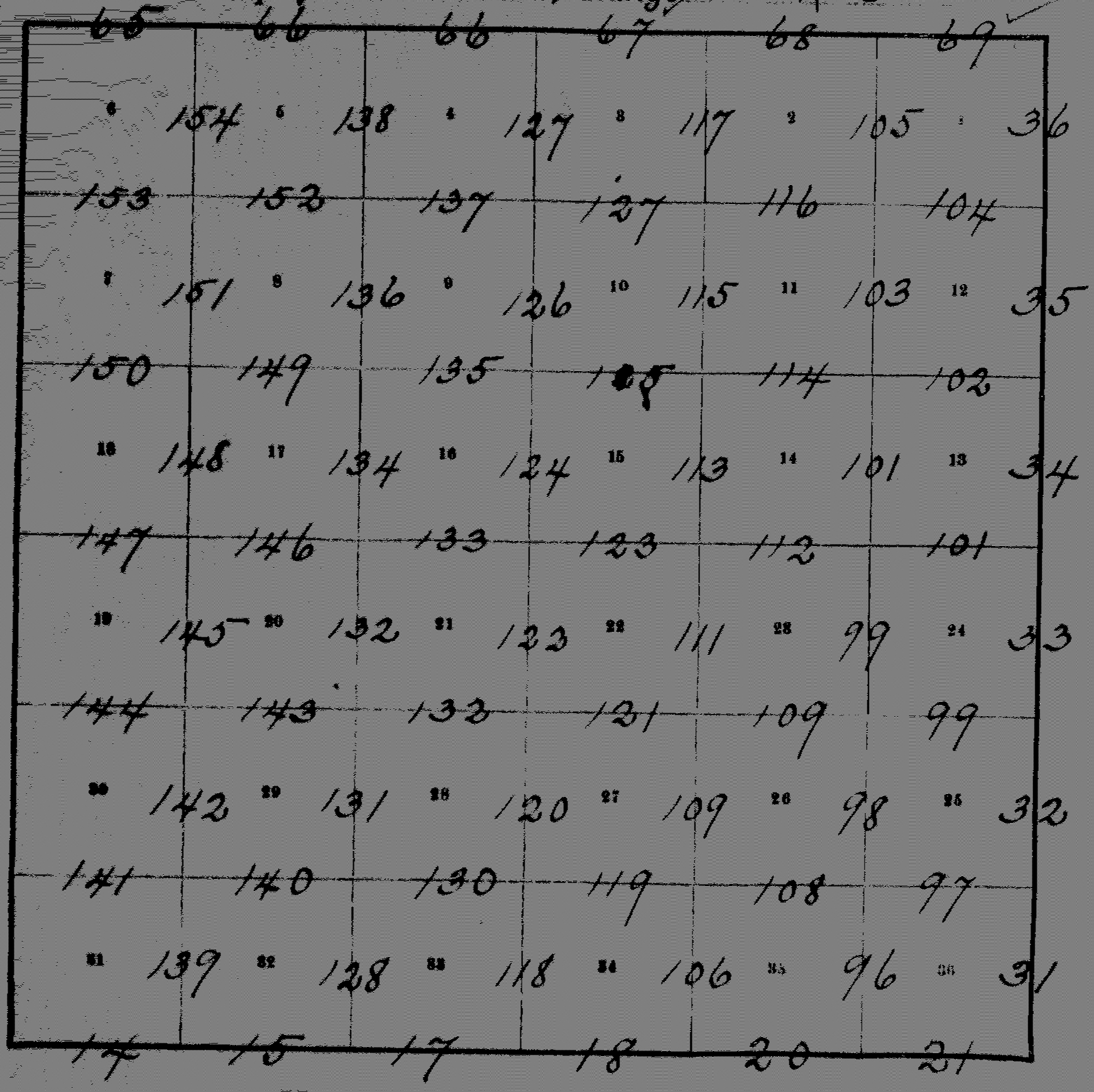
# #

R0325

BOOK A-325

INDEX DIAGRAM.

Township 10 S., Range 24 E.



Meanders Page

PRELIMINARY OATHS OF ASSISTANTS.

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

_____, *Chainm*

_____, *Chainm*

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

SEAL

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

_____ *Moundm*

_____, *Moundm*

Subscribed and sworn to before me this _____
day of _____, 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 tru
perform the duties of flagman according to instructions given me, to the best of my skill and ability, in th
survey of _____

_____, *Flagman*

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

SEAL

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Township 9 S. , *Range* 24 E.

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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 [illegible] and true ground, and plumb the tally pins, either by sticking or dropping the same; [illegible] to all notable objects, and the true lengths of all lines that we [illegible] in accordance with instructions given us, in the survey [illegible] the best of our skill and ability, and in accordance with instructions given us, in the survey

..... *Chainme*

..... *Chainme*

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

..... 190

[SEAL]

I ..... and .....

do solemnly swear that we will well and truly perform the duties of moundmen in the establishme [illegible] lines, 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 .....

..... 190

[SEAL]

We ..... and .....

do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corn [illegible] 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 .....

..... 190

[SEAL]

I ....., do solemnly swear that I will well and tru [illegible] according to instructions given me, to the best of my skill and ability, in t [illegible]

..... *Flagma*

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

..... 190

[SEAL]

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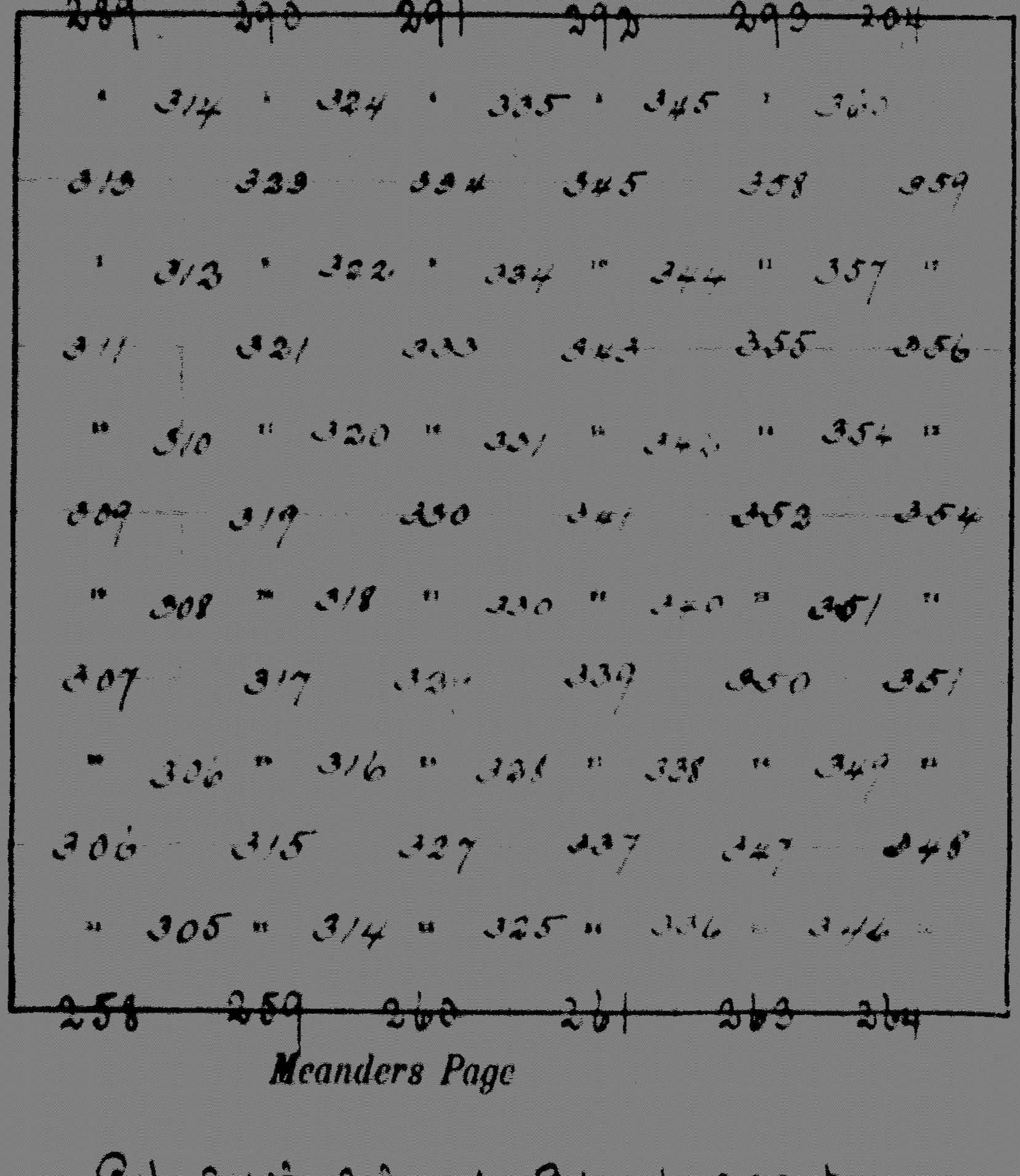
INDEX DIAGRAM.

Township 10 S. , *Range* 25 E.



Meanders Page

Rut. Unit. Colorado Rdy, p 232 to 239

PRELIMINARY OATHS OF ASSISTANTS.

WE, ... and .....

do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level t
chain 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 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 trul
perform the duties of flagman according to instructions given me, to the best of my skill and ability, in th
survey of .....

..... *Flagman*

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

SEAL

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Utah - Colorado Boundary

Meanders Page

Ref. Utah-Colo. Bdy. pp. 232 to 248

PRELIMINARY OATHS OF ASSISTANTS.

We, ... and .....

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

.....

..... *Chainman.*

..... *Chainman.*

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

SEAL

We, ... and .....

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

.....

..... *Moundman.*

..... *Moundman.*

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

SEAL

We, ... and .....

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

.....

..... *Axman.*

..... *Axman.*

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

SEAL

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

..... *Flagman.*

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

SEAL

4—679.

FILED

AUG 31 1904

BOOK A-325

9.

FIELD NOTES

OF THE SURVEY OF THE

SECOND STANDARD PARALLEL SOUTH

THROUGH

RANGE No. 24 EAST.

Of the SALT LAKE BASE AND *Meridian,*

IN THE STATE OF UTAH.

AS SURVEYED BY

Alfredo R. Talamantes and Harvey D. Heist, *United States Deputy Surveyors*

Under their ~~his~~ *Contract No.* 285, *dated* APRIL 13, 1904. *189*

Survey commenced JULY 28, 1904. *189*

Survey completed July 30, 1904. *189*

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BOOK A-325

NAMES AND DUTIES OF ASSISTANTS.

CHARLES HOEL,	CHAIRMAN.
LEWIS HAHN	"
HEBER CHRISTENSEN,	"
EARL WOOLLEY,	"
ANDREW STUPF,	MOUNDMAN.
EDWARD J.BEAIRD,	AWAY.
JOHN A.REILLY,	FLAGMAN.

For preliminary oaths see book "I" T.10 S.R.22 E.

BOOK A-325

INDEX DIAGRAM.

Township 10 S., , *Range* 24 E.

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Meanders Page _____

PRELIMINARY OATHS OF ASSISTANTS.

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

.....

....., *Chainman.*

....., *Chainman.*

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

SEAL

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

.....

....., *Moundman.*

....., *Moundman.*

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

SEAL

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

.....

....., *Axman.*

....., *Axman.*

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

SEAL

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

....., *Flagman.*

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

SEAL

SECOND STANDARD PARALLEL SOUTH THROUGH R.24 E.

CHAINS

Survey commenced July 28,1904,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 standard cor.of Tps.10 S.,Rs.23 and 24 E.,heretofore described;approximate latitude,39°53'53"N., longitude,109°18'15.2"W.;I set off 39°54'N.on the lat.arc;18°56'N.on the decl.arc;and,at 4h 06m 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 standard cor.

At 11h 03m 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.

July 28,1904.

July 29:At 6h 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 last night,on which the meridian falls 0.4 ins. east of the mark determined by the solar.

At 7h 06m a.m.,l.m.t.,I set off 39°54'N.on the lat. arc;18°48'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 0.3 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

SECOND STANDARD PARALLEL SOUTH, THROUGH RANGE 24 E.

CHAINS	
	0'31" 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 7h30m a.m., is N.16°12'W.; the angle thus determined given the mag.decl., 16°12'E.
	From the standard I.cor., already described, I run East on the tangent, S. of sec.31.
	Descend over rocky land.
16.00	Bottom of hollow, 150 ft.deep, course NW.
	Ascend.
27.50	Top of our projects NW.
	Descend.
33.00	Bottom of hollow, 175 ft.deep, course NW.
	Ascend.
37.00	Top of our projects W.
	Descend.
39.00	Bottom of hollow, 100 ft.deep, course NW.
	Ascend.
	Difference bet.measurements of 40.00 chs., by two sets of chainmen in a line; probable error bet. point
	By 1st set, 20.00 chs.,
	By 2nd set, 20.00 chs., the mean of which is
40.00	N., 0.2 lks. from the point
	Set a sandstone, scribed Lot., 16 ins. in the ground, for standard ¼ sec.cor., marked SC ¼ on E.face; and raise a mound of stone, 6 ft.base, 1½ ft.high, S.of cor.
	Pits impracticable.
41.25	Top of our projects N.
	Descend.
43.50	Bottom of hollow, 100 ft.deep, course N.
	Ascend.

SECOND STANDARD PARALLEL SOUTH THROUGH R.24 E.

CHAINS	
46.00	Top of spur projects N. Descend.
	Enter scattering cedar timber.
56.00	Bottom of hollow,150 ft.deep,course N.
	Ascend.
71.00	Top of spur projects NW.
	Descend.
76.00	Bottom of hollow,100 ft.deep,course NW.
	Begin abrupt ascent.
	Leave timber.
	Difference bet.measurements of 80.00 chs.,by two sets of chainmen is 8 lks.;position of middle point
	By 1st set,79.96 chs.,
	By 2nd set,80.04 chs.,the mean of which is
80.00	N.,0.8 lks.from the tangent.
	Set a sandstone,28x10x6 ins.,21 ins.in the ground, for standard cor.of secs.31 and 32,marked SC on N., with 5 grooves on the E.and 1 groove on the W.face; and raise a mound of stone,3 ft.base,1½ ft.high,N.of cor.
	Pits impracticable.
	Land,mountainous.
	Soil;rocky,4th rate.
	Timber,cedar.
	Mountainous land on 80.00 chs.

	S.89°59' E.on the tangent,S.of sec.32.
	Ascend over rocky land.
2.00	Top of spur projects NW.
	Begin abrupt descent.
3.00	Enter scattering cedar timber.
12.00	Bottom of hollow,150 ft.deep,course NW.
	Begin abrupt ascent.
31.00	Top of spur rojects NW.
	Descend.
35.00	Bottom of hollow,100 ft.deep,course N.

SECOND STANDARD PARALLEL SOUTH THROUGH R.24 E.

CHAINS	
	Ascend.
38.00	Top of spur projects N.
	Descend.
	Difference bet.measurements of 40.00 chs.by two sets of chainmen is 6 lks.;position of middle point
	By 1st set,40.03 chs.,
	By 2nd set,39.97 chs.,the mean of which is
40.00	N.,1.9 lks.from the tangent
	Set a sandstone,32x12x10 ins.,24 ins.in the ground, for standard ¼ sec.cor.,marked SC¼ on N.face;from which
	A cedar,6 ins.diam.,bears N.36°E.,60 lks.dist., marked S C ¼ S B T.
	A cedar,6 ins.diam.,bears N.36°W.,6 lks.dist., marked S C ¼ S B T.
40.30	Bottom of hollow,100 ft.deep,course N.
	Begin abrupt ascent.
60.00	Top of spur projects N.
	Descend.
63.50	Bottom of hollow,100 ft.deep,course N.
	Ascend.
74.00	Top of spur projects NW.
	Descend.
79.00	Bottom of hollow,100 ft.deep,course NW.
	Ascend.
	Difference bet.measurements of 80.00 chs.,by two sets of chainmen is 10 lks.;position of middle point
	By 1st set,80.05 chs.,
	By 2nd set,79.95 chs.,the mean of which is
80.00	N.,3.4 lks.from the tangent
	Set a sandstone,32x10x4 ins.,24 ins.in the ground,for standard cor.of secs.32 and 33,marked S C on N., with 4 grooves on the E.and 2 grooves on the W.face; from which
	A cedar,24 ins.diam.,bears N.18°30'W.,9 lks.dist.,

SECOND STANDARD PARALLEL SOUTH THROUGH R.24 E.

CHAINS	
	marked T 10 S R 24 E S 32 B T.
	A cedar,12 ins.diam.,bears N.63°E.,57 lks.dist.,
	marked T 10 S R 24 E S 33 B T.
	Land,mountainous.
	Soil;rocky,4th rate.
	Timber,cedar.
	Mountainous land on 80.00 chs.
	July 29:At this cor.,I set off 18°44'N.on the decl.
	arc;and at 12h 06m p.m.,l.m.t.,observe the sun on the
	meridian;the resulting lat.is 39°54'N.

	S.89°58'E.,on the tangent,S.of sec.33.
	Ascend over rocky land through scattering cedar timber.
6.65	Top of spur projects W.
	Be in abrupt descent.
9.00	Bottom of hollow,150 ft.deep,course NW.
	Begin abrupt ascent.
33.00	Top of ridge bears NW.and SE.
	Descend.
	Difference b-t.measurements of 40.00 chs.,by two sets
	of chainmen is 10 lks.;position of middle point
	By 1st set,40.05 chs.,
	By 2nd set,39.95 chs.,the mean of which is
40.00	N.,5.25 lks.from the tangent
	Set a sandstone,36x15x10 ins.,27 ins.in the ground,
	for standard ¼ sec.cor.,marked SC ¼ on N.face;from which
	A cedar,15 ins.diam.,bears N.47°E.,45 lks.dist.,
	marked S C ¼ S B T.
	A cedar,8 ins.diam.,bears N.32°W.,55 lks,dist.,
	marked S C ¼ S B T.
45.00	Bottom of hollow,150 ft.deep,course N.
	Begin abrupt ascent.
52.30	Top of ridge bears NE.and SW.

CHAINS	
	Begin abrupt descent.
70.00	Bottom of hollow, 100 ft. deep, course N.
	Ascend.
75.50	Top of spur projects N.
	Begin abrupt descent.
	Difference 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 2nd set, 79.94 chs., the mean of which is
80.00	N., 7.6 lks. from the tangent
	Set a sandstone, 20x10x5 ins., 15 ins. in the ground, for standard cor. of secs. 33 and 34, marked SC on N., with 3 grooves on the E. and W. faces; from which
	A cedar, 10 ins. diam., bears N. 43° E., 59 lks. dist., marked T 10 S. R 24 E S 34 B T.
	A cedar, 4 ins. diam., bears N. 38° W., 61 lks. dist., marked T 10 S R 24 E S 33 B T.

Land, mountainous.

Soil; rocky, 4th rate.

Timber, cedar.

Mountainous land on 80.00 chs.

S. 89° 57' E. on the tangent, S. of sec. 34 .

Descend abruptly over rocky land through scattering cedar timber.

10.00	Bottom of hollow, 200 ft. deep, course N.
	Begin abrupt ascent.
31.00	Top of spur projects N.
	Descend.
	Difference bet. measurements of 40.00 chs. by two sets of chainmen is 8 lks.; position of middle point
	By 1st set, 39.96 chs.,
	By 2nd set, 40.04 chs.,

SECOND STANDARD PARALLEL SOUTH THROUGH R.24 E.

CHAINS	
	the mean of which is
40.00	N.,10¼ lks.from the tangent.
	Set a sandstone,18x15x5 ins.,12 ins.in the ground,for
	standard ¼ sec.cor.,marked SC ¼ on N.face;from which
	A cedar,6 ins.diam.,bears N.59°W.,22 lks.dist.,
	marked S C ¼ S B T.
	A cedar,4 ins.diam.,bears N.30°E.,38 lks.dist.,
	marked S C ¼ S B T.
48.50	Bottom of hollow,100 ft.deep,course NW.
	Begin abrupt ascent.
57.50	Top of spur projects SW.
	Begin abrupt descent.
66.00	Bottom of hollow,100 ft.deep,course NW.to SW.,at bend.
	Ascend.
71.00	Top of spur projects S.
	Ascend.
74.00	Bottom of hollow,100 ft.deep,course S.
	Ascend.
77.75	Top of spur projects S.
	Descend.
	Difference bet.measurements of 80.00 chs.by two sets
	of chainmen is 14 lks.;position of middle point
	By 1st set,79.93 chs.,
	By 2nd set,80.07 chs.,the mean of which is
80.00	N.,13 lks.from the tangent
	Set a sand tone,20x12x5 ins.,15 ins.in the ground,for
	standard cor.of secs.34 and 35,marked SC on N.,with
	4 grooves on the W.and 2 grooves on the E.face;from which
	A cedar,4 ins.diam.,bears N.73°E.,50 lks.dist.,
	marked T 10 S R 24 E S 35 B T.
	A cedar,5 ins.diam.,bears N.23°W.,51 lks.dist.,
	marked T 10 S R 24 E S 34 B T.

Land,mountainous.

Soil;rocky,4th rate.

SECOND STANDARD PARALLEL SOUTH THROUGH R.24 E.

CHAINS	
	Timber, cedar.
	Mountainous land on 80.00 chs.
	July 29, 1904.

	July 30: At 7h 06m a.m., l.m.t., I set off 39°54'N. on the lat. arc; 18°34'N. on the decl. arc; and determine a meridian with the solar at the standard cor. of secs. 34 and 35.
	Thence I run
	East on the tangent, S. of sec. 35.
	Descend over rocky land through scattering cedar timber.
0.75	Head of hollow, course SE.
	Begin abrupt ascent.
8.70	Top of ridge bears NW. and SE.
	Begin abrupt descent.
	Difference bet. measurements of 40.00 chs., by two sets of chainmen is 12 lks.; position of middle point
	By 1st set, 40.06 chs.,
	By 2nd set, 39.94 chs., the mean of which is
40.00	N. 0.2 lks. from the tangent
	Set a sandstone, 28x11x3 ins., 21 ins. in the ground, for standard ¼ sec. cor., marked S C ¼ on N. face; from which
	A cedar, 6 ins. diam., bears N. 79°W., 14 lks. dst., marked SC ¼ S B T.
	A cedar, 8 ins. diam., bears N. 86°E., 32 lks. dist., marked SC ¼ S B T.
56.00	Bottom of hollow, 150 ft. deep, course NE.
	Ascend.
	Leave timber.
64.00	Top of spur projects NE.
	Descend.
69.00	Bottom of hollow, 150 ft. deep, course NE.
	Ascend.
	Difference between measurements of 80.00 chs. by two sets of chainmen is 16 lks.; position of middle point

SECOND STANDARD PARALLEL SOUTH THROUGH R.24 E.

CHAINS	
	By 1st set,80.08 chs.,
	By 2nd set,79.92 chs.,the mean of which is
80.00	N.0.8 lks.from the tangent
	Set a sandstone,20x11x5 ins.,15 ins.in the ground,
	for standard cor.of secs.35 and 36,marked S C on W.,
	with 5 grooves on the W.and 1 groove on the E.face;
	and raise a mound of stone,2 ft.base,1½ ft.high,N.of
	cor.
	Pits impracticable.
	Land,mountainous.
	Soil;rocky,4th rate.
	Timber,cedar.
	Mountainous land or 80.00 chs.

	S.39°30'E.,on the tangent,S.of sec.36.
	Ascend over rocky land.
0.75	Top of spur projects N.
	Begin abrupt descent.
8.60	Bottom of hollow,150 ft.deep,course NE.
	Begin abrupt ascent.
12.00	Top of spur projects NE.
	Begin abrupt descent.
26.75	Bottom of Evacuation Canon,400 ft.deep,course E.
	Begin abrupt ascent.
34.00	Top of spur projects SW.
	Begin abrupt descent.
39.00	Bottom of Evacuation Canon,400 ft.deep,course SW.
	Begin abrupt ascent.
	Difference bet.measurements of 40.00 chs.by two sets
	of chainmen is 14 lks.;position of middle point
	By 1st set,40.07 chs.,
	By 2nd set,39.93 chs.,the mean of which is
40.00	N.1.9 lks.from the tangent
	Set a sandstone,20x8x4 ins.,15 ins.in the ground,

SECOND STANDARD PARALLEL SOUTH THROUGH RANGE 24 EAST.

CHAINS

for standard ¼ sec.cor.,marked SC ¼ on N.face;and raise a mound of stone,2 ft.base,1½ ft.high,N.of cor.

Pits impracticable.

15.10 Top of spur projects N.

Begin abrupt descent.

52.00 Bottom of Evacuation Canon,400 ft.deep,course NW.

Begin abrupt ascent.

76.00 Top of spur projects N.

Begin abrupt descent.

Difference bet.measurements of 80.00 chs.by two sets of chainmen is 18 lks.;position of middle point

By 1st set,80.09 chs.,

By 2nd set,79.91 chs.,the mean of which is

80.00 N.3.4 lks.from the tangent,

Set a sandstone 24x13x8 ins., 12 ins.in the ground for standard cor.of Tp.10 S.,Rs.24 and 25 E.,marked

SC 10 S on N.,

25 E on E.,and

24 E on W.;with 6 grooves on N.,E.,and W.faces; and raise a mound of stone,2 ft.base,1½ ft.high,N.of cor.

Pits impracticable.

Land,mountainous.

Soil;rocky,4th rate.

No timber.

Mountainous land on 80.00 chs.

July 30,1904.

For general description see,Subdivisions of T.10 S.,R.24 E.

Henry Ll. Flint

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:

For final affidavits see book "Y" T.10 S.R.25 E. ....., *Chainman.*

....., *Chainman.*

....., *Moundman.*

....., *Moundman.*

....., *Axman.*

....., *Axman.*

....., *Flagman.*

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted .....

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

.....

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

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

For final affidavits see book "Y" T.10 S.R.25 E. ....., *Chainman.*

....., *Chainman.*

....., *Moundman.*

....., *Moundman.*

....., *Axman.*

....., *Axman.*

....., *Flagman.*

.....

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

SEAL

6-101

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 "Y" T.10 S.R.25 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, May 27, 1905.

The foregoing field notes of the survey of the Second Standard Parallel South, through Range 24 East of the Salt Lake Base and Meridian, Utah,

executed by Alfredo M. Talamantes and Harvey D. Heist, U.S. Deputy Surveyors, their under his Contract No. 285, dated April 12, 1904, xxx, having been carefully examined, and the necessary corrections and explanations made, the said field notes, and the survey they represent, are hereby approved.

Edward Hudson
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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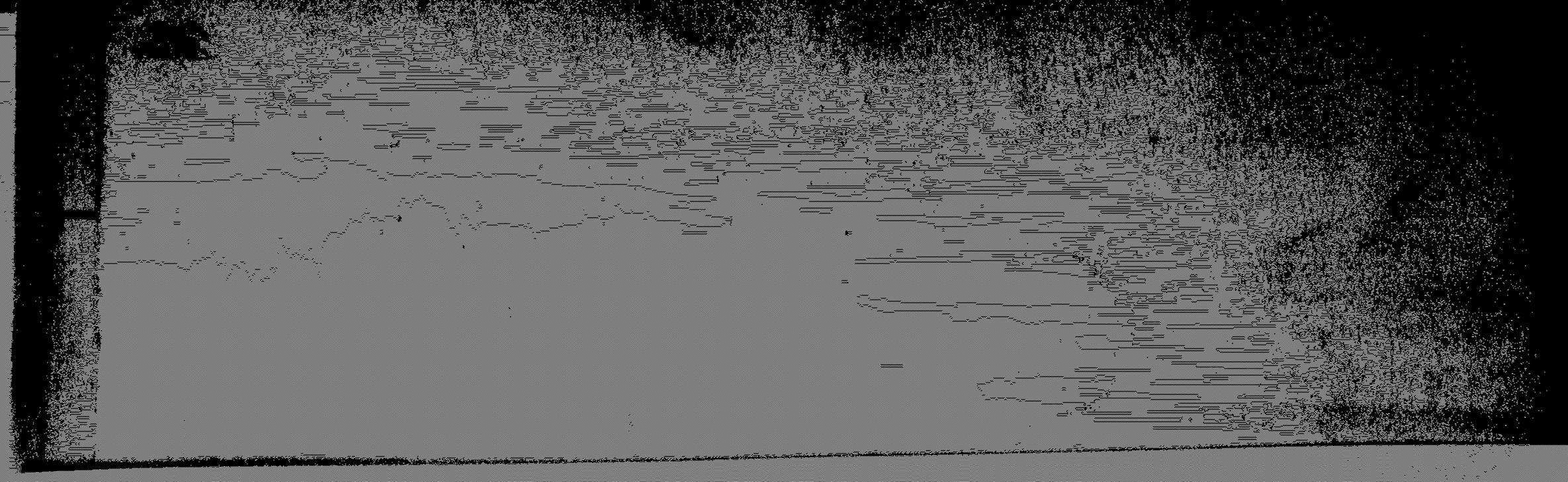

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4—679.

BOOK A-325

R.

FIELD NOTES

OF THE SURVEY OF THE

GUIDE MERIDIAN,

OR

EAST BOUNDARY

Of

TOWNSHIP No. 10 SOUTH,

RANGE NO. 24 EAST.

Of the SALT LAKE BASE AND ..... *Meridian,*

IN THE STATE OF UTAH.

AS SURVEYED BY

Alfredo R. Talamantes and Harvey D. Heist, ... *United States Deputy Surveyor,*

Under ~~his~~ their *Contract No.* 285. ....., *dated* APRIL 12, 1904. ....., *189*

Survey commenced JULY 30, 1904. ....., *189*

Survey completed July 31, 1904. ....., *189*

6—151

FILED

AUG 31 1904

BOOK A-325

NAMES AND DUTIES OF ASSISTANTS.

EARL WOOLLEY, CHAINMAN.

HEBER CHRISTENSEN, "

CHARLES HOEL, "

LEWIS HAHN, "

ANDREW STUMPF, MOUNDMAN.

EDWARD J. BEAIRD, AXMAN.

JOHN A. NEELY, FLAGMAN.

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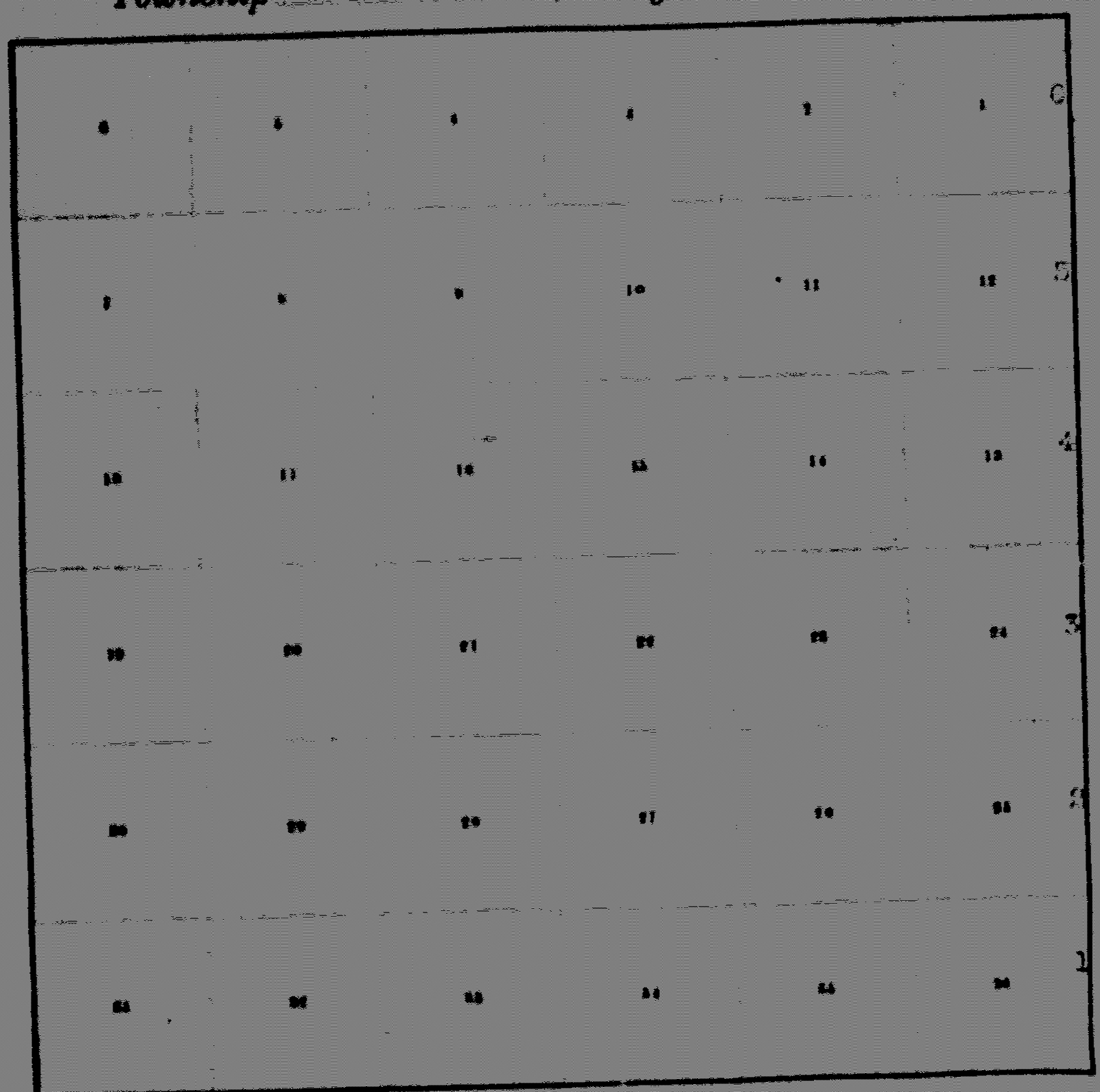
BOOK A-325

INDEX DIAGRAM.

Township 10 S. , *Range* 24 E.



Meanders Page

PRELIMINARY OATHS OF ASSISTANTS.

WE, EARL WOOLLEY, HEBER CHRISTENSEN, and CHARLES HOEL, and LEWIS HAHN, 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 GUIDE MERIDIAN, OR EAST BDYS. of TPs. 10 and 12 S., R. 24 E. of the Salt Lake Base and Meridian, Utah.

Charles Hoel
Lewis Hahn
Earl Woolley, Chainman.
Heber Christensen, Chainman.

Subscribed and sworn to before me this 30th day of July, 1904, 189

SEAL

J. H. Hammond
Notary Public

WE, ANDREW STUMPF, and I 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 GUIDE MERIDIAN, or E. BDYS. of TPS. 10 and 12 S., R. 24 E. of the Salt Lake Base and Meridian, Utah.

Andrew Stumpf, Moundman.
, Moundman.

Subscribed and sworn to before me this 30th day of July, 1904. 189

SEAL

J. H. Hammond
Notary Public

WE, Edward J. Beaird, and I 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 GUIDE MERIDIAN, or E. BDYS. of TPS. 10 and 12 S., R. 24 E. of the Salt Lake Base and Meridian, Utah.

Edward J. Beaird, Axman.
, Axman.

Subscribed and sworn to before me this 30th day of JULY, 1904. 189

SEAL

J. H. Hammond
Notary Public

I, JOHN A. NEELY, 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 GUIDE MERIDIAN, or E. BDYS. of TPS. 10 and 12 S., R. 24 E. of the Salt Lake Base and Meridian, Utah.

John A. Neely, Flagman.

Subscribed and sworn to before me this 30th day of JULY, 1904. 189

SEAL

J. H. Hammond
Notary Public

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Guide Meridian, or E.Bdy.T.10 S.,R.24 E.

CHAINS	
	Survey commenced July 30,1904,and executed with the instrument described in book "A"of this survey.
	I know the instrument to be in adjustment from recent observations made July 28,1904,and recorded in book "Q"of this survey.
	At 2h06m p.m.,l.m.t.,I set off 39°54'N.on the lat. arc;18°29'N.on the decl.arc;and determine a meridian with the solar at the standard cor.of Tps.10 S.,Rs. 24 and 25 E.,heretofore described,on the 2nd Standard Parallel South.
	Thence I run
	North,along E.Bdy.of T.10 S.,R.24 E.,bet.secs.31 and 36.
	Descend abruptly over rocky land.
13.50	Bottom of hollow,200 ft.deep,course W.
	Ascend.
33.00	Top of spur projects W.
	Descend.
31.70	Bottom of hollow,100 ft.deep,course SW.
	Ascend.
	Difference bet.measurements of 40.00 chs.by two sets of chainmen id 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,20x14x4 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.
59.50	Top of ridge bears E.and W.
	Descend.
63.00	Head of hollow,course W.
	Ascend.
71.00	Top of ridge bears NW.and SE.
	Descend.
	Difference bet.measurements of 80.00 chs.,by two sets

Guide Meridian, or E.Bdy. of T.10 S., R.24 E.

CHAINS	
	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, 28x10x10 ins., 21 ins. in the ground, for cor. of secs. 25-30-31 and 36, marked with 1 notch on the S. and 5 notches on the N. edge; and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
	Pits impracticable.
	Land, mountainous.
	Soil; rocky, 4th rate.
	No timber.
	Mountainous land on 80.00 chs.

	North, bet. secs. 25 and 30.
	Descend abruptly over rocky and broken land.
	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, 20x9x5 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.
49.00	Bottom of hollow, 200 ft. deep, course W.
	Begin abrupt ascent.
62.50	Top of spur projects SE.
	Descend.
66.00	Bottom of hollow, 150 ft. deep, course SE.
	Ascend.
74.00	Top of ridge bears NW. and SE.
	Descend.
	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.,

Guide Meridian, or E.Bdy., T.10 S., R.24 E.

CHAINS	
	By 2nd set, 79.95 chs., the mean of which is
80.00	Set a sandstone, 24x15x9 ins., 18 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, 4th rate.
	No timber.
	Mountainous land on 80.00 chs.
	July 30, 1904.

July 31: At 7h 06m a.m., l.m.t., I set off 39°56'N. on the lat. arc; 18°19'N. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 19-24-25 and 30.

Thence I run

North, bet. secs. 19 and 24.

	Descend abruptly over rocky land.
14.00	Bottom of hollow, 150 ft. deep, course NW.
	Ascend.
34.00	Top of spur projects NW.
	Begin abrupt descent.
	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, 18x8x4 ins., 12 ins. in the ground, for ¼ sec. cor., marked ¼ on W. face; and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
	Pits impracticable.
48.00	Bottom of hollow, 200 ft. deep, course W.
	Begin abrupt ascent.
57.20	Top of spur projects W.
	Descend.

Guide Meridian, or E.Bdy. of T. 10 S., R. 24 E.

CHAINS	
63.50	Bottom of hollow, 100 ft. deep, course SW.
	Ascend.
69.00	Top of spur projects NW.
	Descend.
79.00	Bottom of hollow, 100 ft. deep, course W.
	Begin abrupt ascent.
	Difference 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 2nd set, 79.94 chs., the mean of which is
80.00	Set a sandstone, 28x12x4 ins., 21 ins. in the ground, for cor. of secs. 13-18-19 and 24, marked with 3 notches on the N. and S. edges; and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
	Pits impracticable.
	Land, mountainous.
	Soil; rocky, 4th rate.
	No timber.
	Mountainous land on 80.00 chs.

	North, bet. secs. 13 and 18.
	Ascend abruptly over rocky land.
3.00	Top of spur projects NW.
	Begin abrupt descent.
29.50	Bottom of hollow, 200 ft. deep, course NW.
	Begin abrupt ascent.
34.00	Top of spur projects W.
	Begin abrupt descent.
35.75	Bottom of hollow, 100 ft. deep, course W.
	Begin abrupt ascent.
	Difference bet. measurements of 40.00 chs., by two sets of chainmen is 10 lks.; position of middle point
	By 1st set, 40.05 chs.,
	By 2nd set, 39.95 chs., the mean of which is

Guide Meridian, or E.Bdy.of T.10 S.,R.24 E.

CHAINS	
40.00	Set a sandstone,20x8x5 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.
41.00	Top of spur projects W.
	Begin abrupt descent.
56.75	Wagon road from Vernal to Dragon bears NE.and SW.
73.00	Bottom of Evacuation Canon,400 ft.deep,course NE.
	Begin abrupt ascent.
	Difference bet.measurements of 80.00 chs.,by two sets of chainmen is 14 lks.;position of middle point
	By 1st set,80.07 chs.,
	By 2nd set,79.93 chs.,the mean of which is
80.00	Set a sandstone,24x14x6 ins.,18 ins.in the ground,for cor.of secs.7-12-13-18,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,4th rate.
	No timber.
	Mountainous land on 80.00 chs.
	July 31:At this cor.,I set off 18°15'N.on the decl. arc;and at 12h 06m p.m.,l.m.t.,observe the sun on the meridian;the resulting lat.is 39°57'N.

North bet.secs.7 and 12.

	Ascend abruptly over rocky land.
25.00	Top of spur projects E.
	Begin abrupt descent.
	Difference bet.measurements of 40.00 chs.,by two sets of chainmen is 14 lks.;position of middle point
	By 1st set,40.07 chs.,
	By 2nd set,39.93 chs.,the mean of which is

Guide Meridian or E.Bdy.of T.10 S.,R.24 E.

	CHAINS	
	40.00	Set a sandstone,24x10x3 ins.,16 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.
	64.00	Enter level bottom land along White River,bearing NW. and SE.
		Enter dense greasewood brush and scattering cottonwood brush.
	68.25	Left bank of White River,1.00 chs.wide,course NW.
	70.00	Right bank of White River.
		Begin abrupt ascent over rocky land.
		Leave dense undergrowth.
		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,16x10x5 ins.,11 ins.in the ground,for cor.of secs.1-6-7-12,marked with 5 notches on the S. and 1 notch on the N.edge;and raise a mound of stone, 2 ft.base,1g ft.high,W.of cor.
		Pits impracticable.
		Land,mountainous.
		Soil;rocky and sandy,4th rate.
		Timber,cottonwood.
		Mountainous land on 80.00 chs.
		North,bet.secs.1 and 6.
		Ascend over rocky land.
	22.00	Top of spur projects SW.
		Descend.
	28.00	Bottom of hollow,100 ft.deep,course SW.
		Ascend.
	31.00	Wagon road from river bears E.and W.

Guide Meridian or E.Bdy.of T.10 S.,R.24 E.

CHAINS	
	Difference bet.measurements of 40.00 chs.by two sets of chainmen is 14 lks.;position of middle point
	By 1st set,40.07 chs.,
	By 2nd set,39.93 chs.,the mean of which is
40.00	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.
59.00	Top of ridge bears NE.and SW.
	Descend.
69.00	Bottom of hollow,210 ft.deep,course SW.
	Ascend.
73.80	A gilsonite Vein,2½ ft.wide,on extension of Wagon Hound Lode,bears NW.and SE.
	Difference bet,measurements of 80.31 chs.,by two sets of chainmen is 16 lks.:position of middle point
	By 1st set,80.39 chs.,
	By 2nd set,80.23 chs.,the mean of which is
80.31	Equal to the E.bdy.of sec.6 T.10 S.R.23 E.
	Set a sandstone 18x10x5 ins.12 ins.in the ground,for cor.of Tps.9 and 10,S.Rs.24 and 25 E.;marked 9 S on NE.
	25 E on SE.,
	10 S on SW.,and
	23 E 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,4th rate.
	No timber.
	Mountainous land on 80.31 chs.
	July 31,1904.

For General Description,see Subdivisions of T.10 S.,R.24 E.

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Guide Meridian, or E. Bdy. of T. 10 S., R. 84 E.

CHAINS

Harvey H. Hurst,

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.*

For final affidavits see book Z[9] T.13 S.R.24 E. ....., *Chainman.*

....., *Moundman.*

....., *Moundman.*

....., *Axman.*

....., *Axman.*

....., *Flagman.*

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted .....

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

.....

.....

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

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

For final affidavits see book Z[9] T.12 S.R.24 E. ....., *Chainman.*

....., *Chainman.*

....., *Moundman.*

....., *Moundman.*

....., *Axman.*

....., *Axman.*

....., *Flagman.*

.....

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

SEAL

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

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

For final affidavit see book Z[9] T.12 S.R.24 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 , May 27, 1905.

The foregoing field notes of the survey of the Guide Meridian or East Boundary of Township No.10 South, Range No.24 East of the Salt Lake Base and Meridian, Utah;

executed by Alfredo R.Talamantes and Harvey D.Heist, U.S.Deputy Surveyors under his contract No. 385, dated April 12, 1904, their, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

_____
United States Surveyor General.

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

_____
United States Surveyor General.

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BOOK A-325

FILED

AUG 31 1904

FIELD NOTES

OF THE SURVEY OF THE

GUIDE MERIDIAN.

OR

EAST BOUNDARY

OF

TONSHIP No. 9 SOUTH

RANGE NO. 24 EAST.

Of the SALT LAKE BASE AND .....*Meridian,*

IN THE STATE OF UTAH.

AS SURVEYED BY

ALFREDO R. TALAMANTES, &. Harvey D. Heist, *United States Deputy Surveyor*S

Under ~~his~~ their *Contract No.* 285, *dated* APRIL 12, 1904., *189*

Survey commenced JULY 31, 1904., *189*

Survey completed Aug. 1, 1904., *189*

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BOOK "A" SIZE

NAMES AND DUTIES OF ASSISTANTS.

ROY S.MOORE,	CHAINMAN.
JAMES B.AUSTIN,	"
JULIUS H.WHITE	"
EGBERT WHITE	"
HOWARD M.HODGE,	HOUNDMAN.
WILLIAM L.WHITE,	FLAGMAN.

Volume
#
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BOOK A-325

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Meanders Page

PRELIMINARY OATHS OF ASSISTANTS.

WE, ROY S. MOORE, JAMES B. AUSTIN, JULIUS H. WHITE, and EGBERT WHITE, 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 GUIDE MERIDIAN, OR EAST BDY. OF T. 9 S., R. 24 E., of the Salt Lake Base and Meridian, Utah.

Ray S. Moore, Chainman.
James B. Austin, Chainman.
Julius H. White, Chainman.
Egbert White, Chainman.

Subscribed and sworn to before me this 31st day of JULY, 1904., 189

SEAL

G. T. Carter
Notary Public

I
~~WE~~, HOWARD M. HODGE, and
I
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 GUIDE MERIDIAN, OR EAST BDY. OF T. 9 S., R. 24 E. of the Salt Lake Base and Meridian, Utah.

Howard M. Hodge, Moundman.
, Moundman.

Subscribed and sworn to before me this 31st day of JULY, 1904., 189

SEAL

G. T. Carter
Notary Public

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, WILLIAM L. WHITE, 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 GUIDE MERIDIAN, OR EAST BDY. OF T. 9 S., R. 24 E. of the Salt Lake Base and Meridian, Utah.

William L. White, Flagman.

Subscribed and sworn to before me this 31st day of JULY, 1904., 189

SEAL

G. T. Carter
Notary Public

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Guide Meridian or E.Bdy.of T.9 S.,R.24 E.

CHAINS.

Survey commenced July 31,1904,and executed with the instrument described in book "N" 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.9 and 10 S.,Rs.24 and 25 E.,hereto fore described,approximate latitude 39°59'06"N., longitude,109°11'29." W.;I set off 39°59'N.on the lat. arc;18°13'N.on the decl.arc;and at 4h 06m 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.

At 10h 52 m p.m.,l.m.t.,I observe Polaris at eastern elongation in accordance with the Manual of Instructions, and mark a point in the line thus determined,on a peg driven in the ground,5 chs.N.of my station.

July 31,1904.

Aug.1st:At 6h 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 last night,on which the meridian falls 0.4 ins.east of the mark determined by the solar.

At 7h 06m a.m.,l.m.t.,I set off 39°59'N.on the lat. arc;18°04'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 0.3 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

Guide Meridian, or E.Bdy. of T.9 S., R.24 E.

CHAINS

0'21" west and 0'16" east of the meridian established by the Polaris observations; Therefore, I conclude that the adjustments of the intrument are satisfactory.

The magnetic bearing of the true meridian, at 7h 30m a.m., is N.16°12'W.; the angle thus determined gives the magnetic declination 16°12'E.

From the tp.cor., already described, I run

North, along the east bdy. of the Tp., bet. secs. 31 and 36.

Ascend over broken and rocky land, through dense artemisia.

3.25 Top of ridge bears NE. and SW.

Descend.

12.00 Bottom of hollow, 75 ft. deep, course SW.

Ascend.

20.00 Top of ridge bears NW. and SE.

Descend.

25.00 Head of hollow, course SE.

Ascend.

Difference between measurements of 40.00 chs. by two sets of chainmen is 4 lks.; position of middle point

By 1st set, 40.02 chs.,

By 2nd set, 39.98 chs., the mean of which is

40.00 Set a 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.

50.00 Top of spur projects E.

Descend.

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

Ascend.

Difference between 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, 16x8x5 ins., 11 ins. in the ground, for

GUIDE MERIDIAN,OR E.BDY.OF T.9 S.,R.24 E.

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,mountainous.
	Soil;rocky,4th rate.
	No Timber.
	Mountainous land or dense undergrowth on 80.00 chs.
	———————
	NORTH,BET.SECS.25 AND 30.
	Ascend over rocky land through dense artemisia.
10.00	Top of spur projects SE.
	Descend.
15.00	Bottom of hollow,50 ft.deep,course SE. Ascend.
22.67	A gilsonite vein,18 ins.wide,on Chepetta. Lode,bears NW.and SE. The W.end center of Claim,No.4 Chepetta Lode,bears S.64°08'E.,4.41 chs.dist.
	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,16x10x8 ins.,11 ins.in the ground,for ¼ sec.cor.,marked ¼ on W.face;and raise a mound of stone, 2 ft.base,1½ ft.high,W.of cor. Pits impracticable.
49.12	A gilsonite vein,36 ins.wide,Clain No.5,Little Chepetta Lode,bears NW.and SE. The W.end center of Clain No.5 bears N.63°W.,5.10 chs.dist.
51.00	Top of ridge bears NE.and SW. Descend.
60.00	Wagon road from Rangely to Ouray,bears NE.and SW.
64.09	A gilsonite vein,3 ft.wide,on Tom Paine Claim,Little Bonanza Lode,bears NW.and SE. Road runs with vein.
64.40	A rock cabin,30x20 ft.,belonging to St.Louis Gilsonite Co.,bears S.72°40'E.13.00 chs.dist.
69.05	A gilsonite vein,3 ft.wide,on the Walsh Claim,Survey No.

GUIDE MERIDIAN, or E.BDY.OF T.9 S., R.24 E.

	CHAINS	
		5197, Bonanza Lode, bears NW. and SE.
	70.50	Bottom of hollow, course NW., 75 ft. deep. Descend.
		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, 16x11x4 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; and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
		Pits impracticable.
		Land, mountainous.
		Soil; rocky, 4th rate.
		No timber.
		Mountainous land or dense undergrowth on 80.00 chs.

		North, bet. secs. 19 and 24.
		Ascend over rocky and broken land through dense artemisia.
	3.00	Top of spur projects SW.
		Descend.
	16.00	Bottom of hollow, 50 ft. deep, course NW.
		Ascend.
	20.00	Top of spur projects NW. Descend.
	37.50	Bottom of hollow, 75 ft. deep, course NW.
		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, 16x11x4 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.

Guide Meridian, or E.Bdy.of T.9 S.,R.24 E.

CHAINS	
	Pits impracticable.
48.00	Top of spur projects W.
	Descend.
68.00	Bottom of hollow,50 ft.deep,course NW.
	Ascend.
75.00	Top of spur projects NW.
	Descend.
	Difference 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 2nd set,79.94 chs.,the mean of which is
80.00	Set a sandstone,16x12x3 ins.,11 ins.in the ground,for cor.of secs.13-18-19 and 24,marked with 3 notches on the N.and S.edges;and raise a mound of stone,2 ft.base, 1½ ft.high,W.of cor.
	Pits impracticable.
	Land,mountainous.
	Soil;rocky,4th rate.
	No timber.
	Mountainous land or dense undergrowth on 80.00 chs.
	August 1:At this cor.,I set off 18°00'N.on the decl.arc; and at 12h 06m p.m.,l.m.t.,observe the sun on the meridian;the resulting lat.is 40°02'N.

	North,bet.secs.13 and 18.
	Descend over rocky land through dense artemisia.
4.00	Bottom of hollow,100 ft.deep,course SW.
	Ascend.
12.00	Top of spur projects SW.
	Descend.
15.00	Bottom of hollow,50 ft.deep,course NW.
	Ascend.
35.00	Top of spur projects SW.
	Difference bet.measurements of 40.00 chs.,by two sets

Guide Meridian, or E.Bdy. of T.9 S., R.24 E.

CHAINS	
	of chainmen is 8 lks.; position of middle point by
	By 1st set, 40.04 chs.,
	By 2nd set, 39.96 chs., the mean of which is
40.00	Set a sandstone, 16x8x4 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, 1½ ft. high, W. of cor.
	Pits impracticable.
50.00	Bottom of hollow, 75 ft. deep, course SW.
	Ascend.
60.00	Top of ridge bears E. and W.
	Descend.
72.00	Bottom of hollow, 100 ft. deep, course NW.
	Ascend.
	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, 16x8x5 ins., 11 ins. in the ground, for cor. of secs. 7-12-13 and 18, marked with 4 notches on the S. and 2 notches on the N. edge; and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
	Pits impracticable.
	Land, mountainous.
	Soil: rocky, 4th rate.
	No timber.
	Mountainous land and dense undergrowth on 80.00 chs.

North bet. secs. 7 and 12.

Ascend over rocky and broken land through dense artemisia.

25.00	Top of ridge bears E. and W.
	Descend.
	Difference bet. measurements of 40.00 chs., by two sets

GUIDE MERIDIAN,OR E.BDY.OF T.9 S.,R.24 E.

CHAINS	
	of chainmen is 10 lks.;position of middle point
	By 1st set,40.05 chs.,
	By 2nd set,39.95 chs.,the mean of which is
40.00	Set a sandstone,14x8x5 ins.,9 ins.in the ground,for ¼ sec.cor.,marked ¼ on W.face;and raise a mound of stone,2 ft.base,1½ ft.high,W.of cor.
	Pits impracticable.
	From the ¼ sec.cor.,U.S.L.M.,No.4,which is a sandstone, 5x16x18 ins.above ground,marked and witnessed as described by the surveyor general,bears N.40°W.,8.81 chs. dist.
49.13	A gilsonite vein,3 ft.wide,on the Eureka Claim,Cowboy Lode,bears NW.and SE.
72.00	Bottom of hollow,75 ft.deep,course NW. Ascend.
	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,16x10x4 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 impractic ble.
	Land,mountainous.
	Soil;rocky,4th rate.
	No timber.
	Mountainous land and dense undergrowth on 80.00 chs.

	North,bet.secs.1 and 6.
	Ascend over rocky land through dense artemisia.
15.00	Top of ridge bears NW.and SE.
	Descend.
21.00	Bottom of hollow,100 ft.deep,course N.W.

GUIDE MERIDIAN, OR T.9 S., R.24 E.

	CHAINS	
		Ascend.
	27.00	Top of spur projects NW.
		Descend.
	30.00	Bottom of hollow, 50 ft. deep, course NW.
		Ascend.
	36.00	Top of spur projects NW.
		Descend.
		Difference bet. measurements of 40.00 chs., by two sets of chainmen is 14 lks.; position of middle point
		By 1st set, 40.07 chs.,
		By 2nd set, 39.93 chs., the mean of which is
	40.00	Set a sandstone, 14x8x5 ins., 9 ins. in the ground, for ¼ sec. cor., marked ¼ on W. face; and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
		Pits impracticable.
	56.00	Bottom of hollow, 75 ft. deep, course NW.
		Ascend.
	65.00	Top of spur projects NW.
		Descend.
	76.00	Bottom of hollow, 50 ft. deep, course NW.
		Ascend.
		Difference bet. measurements of 78.00 chs., by two sets of chai men is 18 lks. position of middle point
		By 1st set, 78.09 chs.,
		By 2nd set, 77.91 chs., the mean of which is
	78.00	Set a sandstone, 16x12x5 ins., 11 ins. in the ground, for cor. of Tps. 8 and 9 S., Rs. 24 and 25 E., marked
		8 S on NE.,
		25 E on SE.,
		9 S on SW., and
		24 E 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.

GUIDE MERIDIAN, or E. BDY. OF T. 9 S., R. 24 E.

CHAINS.

Land, mountainous.

Soil; rocky, 4th rate.

No timber.

Mountainous land on 78.00 chs.

August 1, 1904.

For general description, see subdivisions of T. 9 S., R. 24 E.

Alfredo R Talamantes

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 ALFREDO R.TALAMANTES,

, United States Deputy Surveyor, to assist in running, measuring, and

marking the lines and corners described in the foregoing field notes of the survey of

GUIDE MERIDIAN,OR EAST BDY.OF T.9 S.,R.24 E. of the Salt Lake Base and Meridian,Utah;

showing the respective capacities in which they acted:

ROY S.MOORE, and JAMES B.AUSTIN, *Chainman.*

JULIUS H.WHITE, and EGBERT WHITE, *Chainman.*

HOWARD M.HODGE, *Moundman.*

Moundman.

Axman.

Axman.

WILLIAM L.WHITE, *Flagman.*

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted ALFREDO R.TALAMANTES,

, United States Deputy Surveyor, in surveying all

those parts or portions of the GUIDE MERIDIAN,OR EAST BDY.OF T.9 S.,R.24 E.

of the

SALT LAKE BASE AND meridian, IN THE STATE of UTAH., which are represented

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

General for UTAH.

Roy S. Moore *Chainman.*

James B Austin *Chainman.*

Julius H White *Chainman.*

Egbert White *Chainman.*

Howard M. Hodge *Moundman.*

Moundman.

Axman.

Axman.

William L. White *Flagman.*

Subscribed and sworn to before me this 1st day of August, 1904., 189

SEAL

E. T. Carlson
Notary Public.

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FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, ALFREDO R. TALAMANTES, United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from EDWARD H. ANDERSON, United States Surveyor General for UTAH., bearing date of the 12th day of APRIL, 1904., 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 GUIDE MERIDIAN, OR EAST BDY. OF T. 9 S., R. 24 E.

of the SALT LAKE BASE & 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.

Alfredo R Talamantes
United States Deputy Surveyor.

Subscribed by said Alfredo R. Talamantes, and sworn to before me this 25th day of November, 1904, [illegible]

SEAL

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

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, May 27, 1905.

The foregoing field notes of the survey of the Guide Meridian or East Bdy. of Township No. 9 South, Range No. 24 East of the Salt Lake Base and Meridian, Utah;

executed by their Alfredo R. Talamantes and Harvey D. Heiat, U. S. Deputy Surveyors under his contract No. 285, dated April 12, 1904, [illegible], 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-325

FILED
AUG 31 1904

T. FIELD NOTES

OF THE SURVEY OF THE

NORTH BOUNDARY

OF

TOWNSHIP No. 10 SOUTH

RANGE No. 24 EAST.

of the SALT LAKE *Meridian.*

IN THE STATE OF UTAH.

AS SURVEYED BY

Alfredo R. Palamantes, and Harvey I. Holst, *United States Deputy Surveyors*

Under their Contract No. 285, *dated* APRIL 27, 1904. *189*

Survey commenced AUGUST 1, 1904. *189*

Survey completed August 1, 1904. *189*

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BOOK A-325

NAMES AND DUTIES OF ASSISTANTS.

EARL WOOLLEY, CHAINMAN.

HEBER CHRISTENSEN, "

ANDREW STUMPF MOUNDMAN.

EDWARD J.BEAIRD, Axman.

JOHN A.NEELY, FLAGMAN.

For preliminary oaths,see book "C".T.9 S.R.21 E.

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BOOK A-325

INDEX DIAGRAM.

Township 10 S., , *Range* 24 E.

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Meanders Page.....

PRELIMINARY OATHS OF ASSISTANTS.

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

.....

....., *Chainman.*

....., *Chainman.*

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

SEAL

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

.....

....., *Moundman.*

....., *Moundman.*

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

SEAL

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

.....

....., *Axman.*

....., *Axman.*

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

SEAL

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

....., *Flagman.*

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

SEAL

NORTH BDY.OF T.10 S.,R.24 E.

CHAINS	
	SUrvey commenced Aug.1,1904,and executed with the instrument described in book "A" of this survey. I know the instrument to be in adjustment from recent observations made July 28,1904,and recorded in book "Q"of this survey.
	At 7h 06m a.m.,l.m.t.,I set off 39°59'N.on the lat. arc;18°04'N.on the decl.arc;and determine a meridian with the solar at the cor.of Tps.9 and 10 S.,Rs.24 and 25 E.,heretofore described.
	Thence I run
	West on a random line along the N.bdy.of T.10 S.,R.24 E., setting temp.¼ sec.and sec.cors.at intervals of 40.00 chs.;and,at 479.40 chs.,intersect W.bdy.of the Tp., 62 lks.S.of the cor.of Tps.9 and 10 S.;R.23 and 24 E., heretofore described.
	The falling answers to a correction of 0°04',or 10 lks.N.per mile,counting fron the NE.cor.of the Tp.;
	Therefore I run
	S.89°56'E.,bet.secs.6 and 31,marking and blazing true line.
	Ascend over broken and rocky land.
20.00	Top of spur projects NW.
	Descend.
39.40	Set a sandstone,16x8x6 ins.,11 ins.in the ground,for ¼ sec.cor.,marked ¼ on N.face;and raise a mound of stone,2 ft.base,1½ ft.high,N.of cor.
	Pits impracticable.
43.00	Head of hollow,course NW.
	Ascend.
76.50	Top of spur projects NW. Descend
79.40	Head of hollow,course NW.
	Set a sandstone,16x10x5 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;and raise a mound of

N.BDY.OF T.10 S.,R.24 E.

CHAINS	
	stone,2 ft.base,1½ ft.high,W.of cor.
	Pits impracticable.
	Land,mountainous.
	Soil;rocky,4th rate.
	No timber.
	Mountainous land on 79.40 Chs.
	S.89°56'E.,bet.secs.5 and 32.
	Ascend over rocky and broken land.
7.00	Top of ridge bears E.and SW.Wagon Road to Ouray Agency bears NE.and SW. Thence ascend gradually along ridge.
40.00	Set a sandstone,14x10x4 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.
56.00	Leave top of ridge,bearing NE.and W.
	Descend.
74.00	Bottom of gulch,300 ft.deep,course SW. Ascend.
80.00	Top of.spur projects W.
	Set a sandstone,18x8x4 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;and raise a mound of stone,2 ft.base,1½ ft.high,W.of cor.
	Pits impracticable.
	Land,mountainous.
	Soil;rocky,4th rate.
	No timber.
	Mountainous land on 80.00 chs.
	S.89°56'E.,bet.secs.4 and 33.
	Ascend along top of spur.
12.00	Leave top of spur,projecting W.
	Descend.
37.00	Bottom of hollow,100 ft.deep,course SW.
	Ascend.

N.BDY.OF T.10 S.,R.24 E.

CHAINS	
40.00	Set a sandstone,14x10x5 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.
74.00	Top of ridge bears E.and SW. Thence along top of ridge.
80.00	Leave top of ridge,bearing SE.and W.
	Set a sandstone,14x8x6 ins.,9 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,4th rate. No timber. Mountainous land on 80.00 chs.
	August 1:At this cor,I set off 18°00'N.on the decl. arc;and at 12h 06m p.m.,l.m.t.,observe the sun on the meridian;the resulting lat.is 39°59'N.

S.89°56'E.,bet.secs.3 and 34

	Descend over rocky land.
25.00	Bottom of hollow,100 ftdeep,course NW.
	Ascend.
31.00	Top of spur projects NW.
	Descend.
37.05	Gilsonite vein,2½ ft.wide,extension of Uintah Lode, bears NW.and SE.
40.00	Set a sandstone,14x12x4 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. Enter scattering cedar timber.
45.00	Wagon road from Dragon to Vernal bears NW.and SE.
64.00	Bottom of hollow,100 ft.deep,course NE.
64.25	Wagon road from Dragon to Vernal bears NE.and SW.
	Ascend.
80.00	Set a sandstone,16x10x5 ins.,11 ins.in the ground,for

N.BDY.OF T.10 S.,R.24 E.

CHAINS	
	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.
	Pits impracticable.
	Land,mountainous.
	Soil;rocky,4th rate.
	Timber,cedar.
	Mountainous land on 80.00 chs.
	--- -------
	S.89°56'E.,bet.secs.2 and 35.
	Ascend over broken land through scattering cedar timber.
2.50	Top of spur projects NE.
	Descend.
38.00	Bottom of Wagon Hound Culch,700 ft.deep,course SE. Wagon road from Dragon to Vernal bears N. and S. Leave timber.
	Begin abrupt ascent.
40.00	Set a sandstone,16x10x5 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.
51.00	Top of spur projects S.
	Descend.
55.00	Bottom of hollow,100 ft.deep,course SE.
	Ascend.
78.00	Top of spur projects S.
	Descend.
80.00	Set a sandstone,16x11x6 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,4th rate. Timber,cedar.

N.BDY.OF T.10 S.,R.24 E.

CHAINS	
	Mountainous land on 80.00 chs.
	S.89°56'E.,bet.secs.1 and 36.
	Descend abruptly over rocky and broken land.
21.00	Bottom of hollow,250 ft.deep,course S.
	Ascend.
40.00	Set a sandstone,15x10x4 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.
41.50	Top of spur projects SW.
	Descend.
63.30	Bottom of hollow,100 ft.deep,course SW.
	A gilsonite vein,8½ ft.wide,on Wagon Hound Lode, bears NW.and SE.
75.00	Top of spur projects SW.
	Descend.
80.00	The cor.of Tps.9 and 10 S.,Rs.24 and 25 E.
	Land,mountainous.
	Soil;rocky,4th rate.
	No timber.
	Mountainous land on 80.00 chs.

August 1,1904.

BOUNDARIES OF T.10 S.,R.24 E.
Latitudes,departures,and closing errors.

Line designated.	True bearing.	Dist.	Latitudes.		Departures.	
			N.	S.	E.	W.
		chs.	chs.	chs.	chs.	chs.
N.BDY., T.10 S.,R.24 E.	N.89°56'W.	479.40	0.62			479.40
E.BDY., T.10 S.,R.23 E.	South	480.31		480.31		
2nd STANDARD PARALLEL SOUTH, Through R.24 E.	East	480.00			480.00	
GUIDE MERIDIAN or E.BDY., T.10 S.,R.24 E.	North	480.31	480.31			
CONVERGENCY,						0.60
	Totals.....		480.93	480.31	480.00	480.00
			480.31		480.00	
	Error in lat.....		0.62	In dep.	0.00	

BOOK A-3

N.BDY.OF T.10 S.,R.24 E.

CHAINS

Harvey O. Yoist,

US.Deputy Surveyor.

For general description,see subdivisions of T.10 S.,R.24 E.

Volume
#
R0325

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

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

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

.....

showing the respective capacities in which they acted:

For final affidavits see book "Z[11]" T.12 S.R.24 E., *Chainman.*

....., *Chainman.*

....., *Moundman.*

....., *Moundman.*

....., *Axman.*

....., *Axman.*

....., *Flagman.*

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted .....

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

.....

.....

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

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

For final affidavits see book "Z[11]" T.12 S.R.24 E., *Chainman.*

....., *Chainman.*

....., *Moundman.*

....., *Moundman.*

....., *Axman.*

....., *Axman.*

....., *Flagman.*

.....

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

SEAL

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FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

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

For final affidavit see book "Z[11]", T.12 S.R.24 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, May 27, 1905.

The foregoing field notes of the survey of the North Boundary of Township No. 10 South, Range No. 24 East of the Salt Lake Base and Meridian, Utah,

executed by their Alfredo R. Talamantes and Harvey D. Heist, U.S. Deputy Surveyors under his contract No. 285, dated April 12, 1904, 19[illegible], 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. Dudley
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-325

U.

FIELD NOTES

OF THE SURVEY OF THE

NORTH BOUNDARY

OF

TOWNSHIP NO. 9 SOUTH,

RANGE NO. 34 EAST.

of the Principal Meridian,

In the State of Utah.

AS SURVEYED BY

ALFRED A. TALIAFERRO, & Harvey D. Holst, *United States Deputy Surveyor,S*

Under the Contract No. 25, *dated* April 15, 1904. *, 189*

Survey commenced August 2nd, 1904. *, 189*

Survey completed August 2nd., 1904. *, 1904. , 189*

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BOOK A-325

NAMES AND DUTIES OF ASSISTANTS.

JULIUS H. WHITE,	CHAINMAN.
EGBERT WHITE,	"
HOWARD M. HODGE,	MOUNDMAN.
WILLIAM L. WHITE.	FLAGMAN.

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BOOK A-325

INDEX DIAGRAM.

Township 9 S., , *Range* 24 E.

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Meanders Page

PRELIMINARY OATHS OF ASSISTANTS.

We, JULIUS H. WHITE and EGBERT WHITE,

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 BDY. OF T. 9 S., R. 24 E. of the Salt Lake Base and Meridian, Utah.

Julius H. White, Chainman.
Egbert White, Chainman.

Subscribed and sworn to before me this 2nd day of Aug., 1904., 189

E. T. Carlin
Notary Public

SEAL

I ~~We~~, HOWARD M. HODGE and

do solemnly swear that ~~I~~ will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given ~~us~~ me, to the best of ~~our~~ my skill and ability, in the survey of NORTH BDY. OF T. 9 S., R. 24 E., of the Salt Lake Base and Meridian, Utah.

, Moundman.

, Moundman.

Subscribed and sworn to before me this 2nd day of Aug., 1904., 189

E. T. Carlin
Notary Public

SEAL

We, and

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

, Axman.

, Axman.

Subscribed and sworn to before me this

day of , 189

SEAL

I, WILLIAM L. WHITE, 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 NORTH BDY. OF T. 9 S., R. 24 E. of the Salt Lake Base and Meridian, Utah.

William L. White Flagman.

Subscribed and sworn to before me this 2nd day of Aug., 1904., 189

E. T. Carlin
Notary Public

North Bdy.of T.9 S.,R.24 E.,

CHAINS	
	Survey commenced Aug.2 ,1904,and executed with the instrument described in book "H" of this survey.
	I know the instrument to be in adjustment from recent observations made July 31 ,1904,and recorded in book "S"of this survey.
	At 7h 06m a.m.,l.m.t.,I set off 40°04'N.on the lat.arc; 17°49'N.on the decl.arc;and determine a meridian with the solar at the cor.of Tps.8 and 9 S.,Rs.24 and 25 E., just established.
	Thence I run
	W.on a random line,along the N.bdy.of Tp.9 S.,R.24 E., setting temp.¼ sec.and sec.cors.at intervals of 40.00 chs.;and at 478.80 chs.,intersect the W.bdy.of the Tp., 72 lks.S.of the cor.of Tps.8 and 9 S.,Rs.23 and 24 E., heretofore described.
	The falling answers to a correction of 0°05',or 18 lks. N.,per mile,counting from the NE.cor.of the Tp.;therefore I run
	S.89°55'E.,bet.secs.6 and 31,marking and blazing true line.
	Descend over rough mountainous land through dense artemisia.
5.00	Bottom of ravine,100 ft.deep,course SW.
	Ascend.
8.00	Top of spur projects S.
	Descend.
30.00	Bottom of hollow,50 ft.deep,course S.W.
	Ascend.
38.80	Set a sandstone,20x8x4 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.
54.00	Top of ridge bears N.and S.
	Descend.

N.Bdy.of T.9 S.,R.24 E.

CHAINS.	
63.00	Bottom of hollow,100 ft.deep,course N.
	Ascend.
69.00	Top of spur projects NE.
	Descend.
78.80	Set a sandstone,20x8x6 ins.,15 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;and raise a mound of stone,2 ft.base,1½ ft.high,W.of cor.
	Pits impracticable.
	Land,mountainous.
	Soil;rocky,4th rate.
	No timber.
	Mountainous land and dense undergrowth on 78.80 chs.

	S.89°55'E.,bet.secs.5 and 32.
	Descend over rocky land through dense artemisia.
0.50	Bottom of swale,30 ft.deep,course S.
	Ascend.
9.00	Top of spur projects S.
	Descend.
15.00	Bottom of hollow,500 ft.below top of spur,course S.
	Ascend.
38.00	Top of spur projects SW.,800 ft.above bottom of hollow.
	Descend.
40.00	Set a sandstone,18x12x3 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.
53.00	Bottom of swale,40 ft.deep,course SW.
	Ascend.
80.00	Set a sandstone,30x9x3 ins.,22 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.

N.BDY.OF T.9 S.,R.24 E.

CHAINS	
	Pits impracticable.
	Land,mountainous.
	Soil:rocky,4th rate.
	No timber.
	Mountainous land and dense undergrowth on 80.00 chs.

	S.89°55'E.,bet.secs.4 and 33.
	Ascend over broken country through dense artemisia.
24.00	Top of ridge bears N.and S.
	Descend.
40.00	Set a sandstone,20x10x5 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.
41.00	Bottom of ravine,300 ft.below top of ridge,course SE.
	Ascend.
45.00	Top of spur projects S.,100 ft.above bottom of ravine.
	Descend.
50.50	Bottom of ravine,50 ft.below top of spur,course SW.
	Ascend.
59.00	Top of spur projects S.
	Descend.
59.50	A gilsonite vein,3 ft.wide,on the Cowboy Lode,bears NW. and SE.
67.50	Bottom of gulch,100 ft.below top of spur,course SW.
	Ascend.
80.00	Set a sandstone,16x8x8 ins.,11 ins.in the ground,for cor.of secs.3-4-33 and 34,marked with 3 notches on the W.and E.edges;and raise a mound of stone,2 ft.base,1½ ft.high,W.of cor.
	Pits impracticable.

North Bdy. of T.9 S., R.34 E.

CHAINS	
	Land mountainous.
	Soil;rocky,4th rate.
	No timber.
	Mountainous land and dense undergrowth on 80.00 chs.
	Aug.2nd:At this cor.,I set off 17°45'N.on the decl. arc;and at 12h 06m p.m.,l.m.t.,observe the sun on the meridian;the resulting lat.is 40°04'N.
	S.89°55'E.bet.secs.3 and 34.
	Ascend over rough broken country through dense artemisia.
5.30	Top of ridge bears N.and S.
	Descend.
27.50	Bottom of gulch,500 ft.below top of ridge ,course SW.
	Ascend.
29.00	Top of ridge bears N.and S.
	Descend.
36.00	Bottom of ravine,50 ft.below top of ridge,course SW.
	Ascend.
40.00	Top of spur,50 ft.above bottom of ravine,projects S. Set a sandstone,16x10x5 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.
57.50	Bottom of ravine,75 ft.below top of spur,course S.
	Ascend.
68.00	Top of ridge,150 ft.above bottom of ravine,bears N.and S.
	Descend.
74.00	Bottom of ravine,100 ft.below top of ridge,course S.
	Ascend.
78.00	Top of spur projects S.
	Descend.
80.00	Set a sandstone,20x8x8 ins.;15 ins.in the ground,for cor.of secs.2-3-34 and 35,marked with 4 notches on

NORTH BDY.OF T.9 S.,R.24 E.

CHAINS	
	the W.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,4th rate.
	No timber.
	Mountainous land and dense undergrowth on 80.00 chs.

	S.89°55'E.,bet.secs.2 and 35.
3.30	Bottom of ravine,50 ft.below sec.cor.,course S.
	Ascend.
8.00	Top of spur,100 ft.above bottom of ravine,projects SW.
	Descend.
20.00	Bottom of ravine,250 ft.below top of spur,course SW.
	Ascend.
23.00	Top of spur,100 ft.above bottom of ravine,projects SW.
	Descend.
40.00	Set a sandstone,18x10x5 ins.,12 ins.in the ground,for ¼ sec.cor.,marked ¼ on N.face;and raise a mound of stone,2 ft.base,1½ ft.high,N.of cor.
	Pits impracticable.
51.00	Bottom of hollow,300 ft.below top of spur,course SW.
	Ascend.
52.00	Wagon road from Vernal to Dragon bears NE.and SW.
80.00	Set a sandstone,16x10x5 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,4th rate.
	No timber.
	Mountainous land and dense undergrowth on 80.00 chs.

NORTH BDY.OF T.8 S.,R.24 E.

CHAINS		TRAV
	S.89°55'E.,bet.secs.1 and 36.	
	Ascend over rough mountainous land through dense	
	arbutus.	
30.00	Top of ridge bears NW.and SE.	
	Descend.	
32.00	Junction of two hollows,course NW.,and course	
	W.to NW.	
	Ascend along bottom of hollow.	
40.00	Set a sandstone,14x10x8 ins.,9 ins.in the ground,for	
	¼ sec.cor.,marked ¼ on N.f ce:dig pits,18x18x12 ins.,	
	W.and W.of stone,3 ft.dist.,and raise a mound of	
	earth,3½ ft.base,1½ ft.high,N.of cor.	
	Pits impracticable.	
76.00	Leave bottom of hollow,100 ft.deep,course NW.to W.	
	Ascend.	
80.00	The cor.of Tps.8 and 9 S.,R.24 and 25 E.	
	Land,mountainous.	
	Soil:rocky,4th rate.	
	No timber.	
	Mountainous land and dense undergrowth on 80.00 chs.	

August 2, 1904.

For general description,see subdivision of T.9 S.,R. 24 E.

NORTH BDY. OF T.9 S., R.24 E.

CHAINS

BOUNDARIES OF T.9 S., R.24 E.

Latitudes, departures and closing errors.

Line designated.	True bearing.	Dist.	Latitudes.		Departures.		
			N.	S.	E.	W.	
N. bdy. T.9 S., R.24 E.	N.89°55'W.	chs. 478.80	chs. 0.70	chs.	chs.	chs. 478.80	
E. Bdy. T.9 S., R.23 E.	South,	478.00		478.00			
N. Bdy. T.10 S., R.24 E.	S.89°56'E.	479.40			0.56	479.40	
Guide Meridian or E. bdy. T.9 S., R.24 E.	North,	478.00	478.00				
Convergency							0.61
Totals			478.70	478.56	479.40	479.41	
			478.56			479.40	
Error in lat.....			0.14		In dep.....		0.01

For general description, see subdivisions of T.9 S., R.24 E.

Alfredo R. Talmantez

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 ALFREDO R.TALAMANTES,

, United States Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the survey of NORTH BDY.OF T.9 S.,R.24 E.of the Salt Lake Base and Meridian, Utah;
showing the respective capacities in which they acted:

JULIUS H.WHITE, *Chainman.*

EGBERT WHITE, *Chainman.*

HOWARD M.HODGE, *Moundman.*

Moundman.

Leman.

Leman.

WILLIAM L.WHITE *Flagman.*

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted ALFREDO R.TALAMANTES,

, United States Deputy Surveyor, in surveying all those parts or portions of the NORTH BDY.OF T.9 S.,R.24 E.

of the SALT LAKE 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.

Julius H. White *Chainman.*

Egbert White *Chainman.*

Moundman.

Moundman.

Axman.

Axman.

William L. White. *Flagman.*

Subscribed and sworn to before me this 2nd day of August, 1904, xxx

SEAL

E. T. Carter
Notary Public

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FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, ALFREDO R. TALAMANTES, United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from EDWARD H. ANDERSON, United States Surveyor General for UTAH., bearing date of the 12th day of APRIL, 1904., 189 , I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for UTAH, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of NORTH BDY. OF T. 9 S., R. 24 E.

of the SALT LAKE BASE & meridian, in the STATE of, 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.

Alfredo R Talamantes
United States Deputy Surveyor.

Subscribed by said Alfredo R.Talamantes, and sworn to before me this 25th day of November,1904, ~~XXX~~ 189

SEAL

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

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City,Utah, May 27, 1905. 189

The foregoing field notes of the survey of the North Boundary of Township No.9 South,Range No.24 East of the Salt Lake Base and Meridian,Utah,

executed by Alfredo R.Talamantes and Harvey D.Heist,U.S.Deputy Surveyors their under his contract No. 285, dated April 12,1904, ~~XXX~~ 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-325

V.

FIELD NOTES

OF THE SURVEY OF THE

SUBDIVISIONS

OF

TOWNSHIP No. 10 SOUTH,

RANGE No. 24 EAST.

Of the SALT LAKE BASE AND *Meridian.*

IN THE STATE OF UTAH.

AS SURVEYED BY

Alfredo R. Talamantes and Harvey D. Heist, *United States Deputy Surveyor*S

Under their *Contract No.* 285, *dated* APRIL 12, 1904. *189*

Survey commenced August 2, 1904. *189*

Survey completed August 17, 1904. *189*

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FILED

AUG 31 1904

BOOK A-325

NAMES AND DUTIES OF ASSISTANTS.

EARL WOOLLEY, CHAINMAN.

HEBER CHRISTENSEN, "

ANDREW STUMPF, MOUNDMAN.

EDWARD J. BEAIRD, AXMAN.

JOHN A. NEELY, FLAGMAN.

For preliminary affidavits see book "D" T.9 S.R.21 E.

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BOOK A-325

INDEX DIAGRAM.

Township 10 S., , *Range* 24 E.

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Meanders Page.....

PRELIMINARY OATHS OF ASSISTANTS.

WE, _____ and _____

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

_____

_____, *Chainman.*

_____, *Chainman.*

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

_____

SEAL

WE, _____ and _____

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

_____

_____, *Moundman.*

_____, *Moundman.*

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

_____

SEAL

WE, _____ and _____

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

_____

_____, *Axman.*

_____, *Axman.*

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

_____

SEAL

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

_____, *Flagman.*

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

_____

SEAL

SUBDIVISIONS OF T.10 S.,R.24 E.

CHAINS

Survey commenced Aug.2,1904,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 standard cor.of secs.35 and 36,heretofore described,on the Second Standard Parallel South, approximate latitude,39°53'53" N.,longitude 109°12' 37." W.;I set off 39°54'N.on the lat.arc;17°43'N.on the decl.arc;and and at 4h 06m 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 standard cor.

At 10h 44m p.m.,l.m.t.,I observe Polaris at eastern elongation,in accordance with the Manual of Instructions, and mark a point in the line thus determined,by a peg driven in the ground,5 chs.N.of my station.

Aug.3,1904.

Aug.3:At 6h 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 last night,on which the meridian falls 0.4 ins. east of the mark determined by the solar..

At 7h 06m a.m.,l.m.t.,I set off 39°54'N.on the lat.arc; 17°34'N.on the decl.arc;and mark a point in the meridian determined with the solar,by a cross on the stone already sey 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,

	CHAINS	
		defines positions for meridians,respectively about 0'21"west and 0'16" east of the meridian established by 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°12'W.;the angle thus determined gives the mag.decl.,16°12'E.
		From the standard sec.cor.,already described,I run N.0°01'W.,bet.secs.35 and 36.
		Descend abruptly over rocky land.
	5.75	Bottom of hollow,200 ft.deep,course E.
		Begin abrupt ascent.
	11.00	Top of spur projects E.
		Begin abrupt descent.
	16.50	Bottom of hollow,200 ft.deep,course E.
		Ascend.
	21.65	Top of ridge bears NE.and SW.
		Begin abrupt descent.
	40.00	Set a sandstone,32x15x5 ins.,24 ins.in the ground,for ¼ sec.cor.,marked ¼ on W.face;and raise a mound of stone,2 ft.base,1½ ft.high,W.of cor.
		Pits impracticable.
	54.50	Bottom of hollow,200 ft.deep,course E.
		Begin abrupt ascent.
	64.00	Top of ridge bears NE.and SW.
		Descend.
	78.00	Bottom of hollow,100 ft.deep,course NE.
		Begin abrupt ascent.
	80.00	Set a sandstone,24x8x6 ins.,18 ins.in the ground,for cor.of secs.25-26-35 and 36,marked with 1 notch on the S.and E.edge;and raise a mound of stone,2 ft.base,1½ ft.high,W.of cor.
		Pits impracticable.
		Land,mountainous.

SUBDIVISIONS OF T.10 S.,R.24 E.

CHAINS	
	Soil:rocky,4th rate.
	No timber.
	Mountainous land on 80.00 chs.

	E.on a random line bet.secs.25 and 36.
40.00	Set temp.¼ sec.cor.
80.10	Interset E.bdy.of the Tp.,5 lks.S.of the cor.of secs.
	25-30-31 and 36,heretofore described.
	Thence I run
	S.89°58'W.on a true line
	Bet.secs.25 and 36.
	Ascend over rocky land.
14.00	Top of s ur projects NW.
	Begin abrupt descent.
38.00	Bottom of Evacuation C non,400 ft.deep,course N.
	Begin abrupt ascent.
40.05	Set a sandstone,20x10x8 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.
54.50	Top of spur projects NE.
	Begin abrupt descent.
59.70	Bottom of hollow,150 ft.deep,course NE.
	Begin abrupt ascent.
64.50	Top of spur projects NE.
	Begin abrupt descent.
77.00	Bottom of hollow,100 ft.deep,course NE.
	Ascend.
80.10	The cor.of secs.25-26-35 and 36.
	Land,mountainous.
	Soil:rocky,4th rate.
	No timber.
	Mountainous land on 80.10 hs.

SUBDIVISIONS OF T.10 S.,R.24 E.

CHAINS	
	Aug.3:At this cor.,I set off 17°29'N.on the decl.arc; and at 12h 06m p.m.,l.m.t.,observe the sun on the meridian;the resulting lat.is 39°55'N.
	N.0°01'W.,bet.secs.25 and 26.
	Ascend abruptly over rocky land.
0.50	Top of spur projects NE.
	Begin abrupt descent.
14.00	Bottom of hollow,150 ft.deep,course NE.
	Begin abrupt ascent.
37.50	Top of spur projects E.
	Begin abrupt descent.
40.00	Set a sand tone,20x15x10 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.
49.00	Bottom of hollow,150 ft.deep,course E.
	Begin abrupt ascent.
54.50	Top of spur projects E.
	Descend.
68.00	Bottom of hollow,100 ft.deep,course NE.
74.00	Top of ridge bears NE.and SW.
	Descend.
80.00	Set a sandstone,18x11x7 ins.,12 ins.in the ground,for cor.of secs.23-24-25 and 26,marked with 2 notches on the S.and 1 notch on the E.edge;and raise a mound of stone,2 ft.base,1½ ft.high,W.of cor.
	Pits impracticable.
	Land,mountainous.
	Soil;rocky,4th rate.
	No timber.
	Mountainous land on 80.00 chs.

N.89°58'E.on a random line bet.secs.24 and 25.

SUBDIVISIONS OF T.10 S.,R.24 E.

CHAINS	
40.00	Set temp.¼ sec.cor.
80.12	Intersect E.bdy.of the Tp.,7 lks.N.of the cor.of secs. 19-24-25 and 30,heretofore described.
	Thence I run
	N.89°59'W.on a true line
	bet.secs.24 and 25.
	Ascend abruptly over rocky land.
14.00	Top of rocky spur projects NW.
	Begin abrupt descent.
31.00	Bottom of Evacuation Canon,400 ft.deep,course N.
	Begin abrupt ascent.
40.06	Set a sandstone,24x10x4 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.
73.50	Top of spur projects NE.
	Begin abrupt descent.
80.12	The cor.of secs.23-24-25 and 26.
	Land,mountainous.
	Soil:rocky,4th rate.
	No timber.
	Mountainous land on 80.12 chs.

August 3,1904.

Aug.4:At 7h 06m a.m.,l.m.t.,I set off 39°56'N.on the lat.arc;17°18'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 abruptly over rocky land.

3.25	Bottom of hollow,150 ft.deep,course NE.
	Begin abrupt ascent. Enter scattering cedar timber.
40.00	Set a sandstone,24x20x6 ins.,18 ins.in the ground, for ¼ sec.cor.,marked ¼ on W.face;from which

SUBDIVISIONS OF T.10 S.,R.24 E.

CHAINS	
	A cedar,8 ins.diam.,bears S.56°E.,89 lks.dist., marked ¼ S 24 B T.
	A cedar,6 ins.diam.,bears S.31°W.,96 lks.dist., marked ¼ S 23 B T.
40.45	Top of sandstone spur projects E.
	Begin abrupt descent.
51.00	Bottom of hollow,100 ft.deep,course E.
	Ascend.
55.00	Top of spur projects E.
	Descend.
61.00	Bottom of hollow,100 ft.deep,course E.
	Begin abrupt ascent.
65.50	Top of ridge bears E.and W.
	Descend.
71.00	Bottom of hollow,100 ft.deep,course E.
	Ascend.
79.40	Top of spur projects E.
	Descend.
80.00	Set a sandstone,18x14x5 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 cedar,5 ins.diam.,bears S.69°W.,1.13 chs.dist., marked T 10 S R 24 E S 23 B T.
	A cedar,8 ins.diam.,bears N.70°W.,1.74 chs.dist., marked T 10 S R 24 E S 14 B T.
	No other trees within limits;and raise a mound of stone,3 ft.base,1½ ft.high,W.of cor.
	Pits impracticable.
	Land,mountainous.
	Soil;rocky,4th rate.
	Timber,cedar.
	Mountainous land on 80.00 chs.

SUBDIVISIONS OF T.10 S.,R.24 E.

CHAINS	
	S.89°59'E.on a rando line bet.secs.13 and 24.
40.00	Set temp.¼ sec.cor.
80.06	Intersect E.bdy.of the Tp.,3 lks.N.of the cor.of secs. 13-18-19 and 24,heretofore described.
	Thence I run
	✓ N.89°58'W.on a true line bet.secs.13 and 24.
	Descend abruptly over rocky land.
29.00	Bottom of Evacuation Canon,400 ft.deep,course NE.
	Begin abrupt ascent.
40.03	Set a sandstone,28x10x4 ins.,21 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.
57.50	Top of spur projects NE.
	Descend.
67.00	Bottom of hollow,150 ft.deep,course NE.
	Begin abrupt ascent.
80.06	The cor.of secs.13-14-23 and 24.
	Land,mountainous.
	Soil:rocky,4th rate.
	No tirber.
	Mountainous land on 80.06 chs.
	Aug.4:At this cor.,I set off 17°13'N.on the decl.arc; and at 12h 06m p.m.,l.m.t.,Observe the sun on the meridian;the resulting lat.is 39°56'N.

	N.0°01'W.,bet.secs.13 and 14.
	Descend over rocky land.
2.50	Bottom of hollow,75 ft.deep,course NE.
	Ascend.
9.50	Top of ridge bears NE.and SW.
	Descend.
32.00	Bottom of hollow,150 ft.deep,course NW.

SUBDIVISIONS OF T.10 S.,R.24 E.

CHAINS	
	Ascend.
37.00	Top of spur projects NW.
	Descend.
40.00	Set a sandstone,20x14x5 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.
57.00	Bottom of hollow,150 ft.deep,course NW.
	Ascend.
59.75	Top of spur projects W.
	Descend.
62.00	Bottom of hollow,100 ft.deep,course W.
	Ascend.
68.60	Gilsonite vein,12 ins.wide,(no name)bears NW.and SE.
69.80	Top of ridge bears NW.and SE.
	Descend.
80.00	Set a sandstone,32x12x5 ins.,24 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,1$\frac{1}{2}$ ft.high,W.of cor.
	Pits impracticable.
	Land,mountainous.
	Soil;rocky,4th rate.
	No timber.
	Mountainous land on 80.00 chs.

	S.89°58'E.on a random line bet.secs.12 and 13.
40.00	Set temp.$\frac{1}{4}$ sec.cor.
80.08	Intersect E.bdy.of the Tp.,7 lks.S.of the cor.of secs.7-12-13 and 18,heretofore described.
	Thence I run
	S.89°59'W.on a true line
	Bet.secs.12 and 13.
	Ascend over rocky and broken land.

SUBDIVISIONS OF T.10 S.,R.24 E.

CHAINS	
32.00	Wagon road from Dragon to Vernal bears NW.and SE.
40.04	Set a sandstone,24x14x5 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.
43.30	Top of ridge bears NE.and SW.
	Begin abrupt descent.
79.30	Bottom of hollow,150 ft.deep,course NW.
	Ascend.
80.08	The cor.of secs.11-12-13 and 14.
	Land,mountainous.
	Soil;rocky,4th rate.
	No timber.
	Mountainous land on 80.08 chs.
	August 4,1904.
	———————
	August 5:At 7h 06m a.m.,l.m.t.,I set off 39°57'N.on the lat.arc;17°02'N.on the decl.arc;and determine a meridian with the solar at the cor.of secs.11-12-13 and 14.
	Thence I run
	N.0°01'W.,bet.secs.11 and 12.
	Descend over rocky land.
1.50	Bottom of hollow,150 ft.deep,course NW.
	Begin abrupt ascent.
9.50	Top of spur projects NW.
	Descend.
15.75	Bottom of hollow,100 ft.deep,course NW.
	Ascend.
19.00	Top of rocky spur projects NW.
	Descend:
34.00	Bottom of hollow,100 ft.deep,course NW.
	Ascend.
38.50	Top of spur projects W.
	Descend.

SUBDIVISIONS OF T.10 S.,R.24 E.

CHAINS	
40.00	Set a sandstone,20x12x8 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.
41.50	Bottom of hollow,100 ft.deep,course SW.
	Ascend.
45.00	Top of spur projects NW.
	Descend.
48.75	Bottom of hollow,100 ft.deep,course NW.
	Ascend.
54.75	Top of spur projects NW.
	Descend.
61.25	Bottom of hollow,100 ft.deep,course NW.
	Ascend.
80.00	Set a sandstone,24x12x5 ins.,18 ins.in the ground,for cor.of secs.1-2-11 and 12,marked with 5 notches on the S.and 1 notch on the E.edge;and raise a mound of stone,2 ft.base,1½ ft.high,W.of cor.
	Pits impracticable.
	Land,mountainous.
	Soil;rocky,4th rate,
	No timber.
	Mountainous land on 80.00 chs.

	N.89°59E.on a random line bet.secs.1 and 12.
40.00	Set temp.¼ sec.cor.
80.04	Intersect E.bdy.of the Tp.,5 lks.S.of the cor.of secs. 1-6-7 and 12,heretofore described.
	Thence I run
	S.89°57 W.,on a true line
	bet.secs.1 and 12.
	Descend over rough and broken land.
6.00	Bottom of hollow,100 ft.deep,course S.
	Ascend.

SUBDIVISIONS OF T.10 S.,R.24 E.

CHAINS	
32.00	Top of spur projects S.
	Descend.
40.02	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.
48.00	Left bank of White River,1.60 chs.wide,course NW.
52.25	Right bank of White River.
	Begin abrupt ascent over rocky land.
61.30	Top of ridge bears NW.and SE.,600 ft.above river.
	Begin abrupt descent.
72.50	Head of hollow,course SW.
	Wagon road from Dragon to Vernal bears NW.and SE.
80.04	The cor.of secs.1-2-11 and 12.
	Land,mountainous.
	Soil:rocky,4th rate.
	No timber.
	Mountainous land on 80.04 chs.

	N.0°01'W.,on a random line bet.secs.1 and 2.
40.00	Set temp.¼ sec.cor.
80.30	Intersect N.bdy.of the Tp.,7 lks.E.of the cor.of secs. 1-2-35 and 36,heretofore described.
	Thence I run
	S.0°04'E.on a true line
	bet.secs.1 and 2.
	Descend over rocky land.
20.00	Begin abrupt descent.
36.00	Foot of abrupt descent bears E.and W.
	Enter level bottom land along White River.
	Enter dense greasewood brush.
39.00	Right bank of White River,1.50 chs.wide,course SW.
40.30	Point for ¼ sec.cor.,falls in White River,and cannot be set.

SUBDIVISIONS OF T.10 S.,R.24 E.

CHAINS	
41.50	Left bank of White River. Enter scattering cottonwoods.
42.00	Set a sandstone,15x10x5 ins.,10 ins.in the ground,for witness cor.to ¼ sec.cor.,marked WC¼ on W.face;from which
	A cottonwood,10 ins.diam.,bears N.82°W.,69 lks.dist., marked WC ¼ S 2 B T.
	No other trees within limits;and raise a mound of stone,2 cf.base,1½ ft.high,W.of cor.
	Pits impracticable.
	Begin abrupt ascent over rocky land.
	Leave timber.
63.50	Wagon road from Dragon to Vernal bears NW.and SE.
76.50	Top of spur projectsSW.
	Descend.
80.30	The cor.of secs.1-2-11 and 12.
	Land,mountainous.
	Soil;rocky,4th rate.
	Timber,cottonwood.
	Mountainous land or dense undergrowth on 80.30 chs.

August 5,1904.

August 6,1904:At 7h 06m a.m.,l.m.t.,I set off 39°54' N.on the lat.arc;16°45'N.on the decl.arc;and determine a meridian with the solar at standard cor.of secs. 34 and 35,heretofore described on the Second Standard Parallel South.

Thence I run

N.0°01'E.,bet.secs.34 and 35.

Ascend abruptly over rocky land through scattering cedar timber.

3.00	Top of ridge bears NW.and SE.
	Be in abrupt descent.
23.50	Bottom of hollow,150 ft.deep,course NW.

SUBDIVISIONS OF T.10 S.,R.24 E.

CHAINS	
	Ascend.
32.00	Top of spur projects NW.
	Descend.
40.00	Set a sandstone,28x8x6 ins.,21 ins.in the ground,for ¼ sec.cor.,marked ¼ on W.face;from which
	A cedar,3 ins.diam.,bears N.28°W.,18 lks.dist., marked ¼ S 34 B T.
	A cedar,4 ins.diam.,bears N.88°E.,13 lks.dist., marked ¼ S 35 B T.
40.30	Bottom of hollow,100 ft.deep,course NW.
	Ascend.
45.00	Top of spur projects NW.
	Descend.
51.15	Bottom of hollow,100 ft.deep.course W.
	Ascend.
57.00	Top of spur projects W.
	Descend.
65.00	Bottom of hollow,150 ft.deep,course W.
	Ascend.
72.50	Top of ridge bears E.and W.
	Begin abrupt descent.
80.00	Head of hollow,course NE.
	Set a sandstone,28x9x5 ft.,21 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;from which
	A cedar,7 ins.diam.,bears S.56°E.,23 lks.dist., marked T 10 S R 24 E S 35 B T.
	A cedar,6 ins.diam.,bears N.,59°W.,56 lks.dist., marked T 10 S R 24 E S 27 B T.

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

Pits impracticable.

Land,mountainous.

Soil;rocky,4th rate.

SUBDIVISIONS OF T.10 S.,R.24 W.

CHAINS	
	Timber,cedar.
	Mountainous land on 80.00 chs.

	East on a random line bet.secs.26 and 35.
40.00	Set temp.¼ sec.cor.
79.92	Intersect N.and S.line,5 lks.N.of the cor.of secs.
	25-26-35 and 36.
	Thence I run
	N.89°58'W.on a true line
	bet.secs.26 and 35.
	Ascend abruptly over rocky land.
1.25	Top of ridge bears NE.and SW. Descend.
	Enter scattering cedar timber.
14.00	Bottom of hollow,100 ft.deep,course NE.
	Ascend.
18.15	Top of spur projectsNE.
	Descend.
26.00	Bottom of hollow,100 ft.deep,course NE.
	Begin abrupt ascent over rocky and broken land.
39.96	Set a sandstone,20x9x5 ins.,15 ins.in the ground,
	for ¼ sec.cor.,marked ¼ on N.face;from which
	A cedar,4 ins.diam.,bears S.44°W.,81 lks.dist.,
	marked ¼ S 35 B T.
	A cedar,5 ins.diam.,bears N.33°W.,91 lks.dist.,
	marked ¼ S 26 B T.
72.00	Top of spur projects NE.
	Descend.
79.92	The cor.of secs.26-27-34 and 35.
	Land,mountainous.
	Soil;rocky,4th rate.
	Timber,cedar.
	Mountainous land on 79.92 chs.
	August 6:At this cor.,I set off 16°41'E.on the decl.
	arc;and at 12h 06m p.m.,l.m.t.,observe the sun on the

SUBDIVISIONS OF T.10 S.,R.24 E.

CHAINS	
	meridian;the resulting lat.is 39°55'N.

	N.0°01'W.,bet.secs.26 and 27.
	Ascend abruptly through scattering cedar timber.
11.00	Top of ridge bears NE.and SW.
	Begin abrupt descent.
40.00	Set a sandstone,24x10x6 ins.,18 ins.in the ground,for ¼ sec.cor.,marked ¼ on W.face;from which
	A cedar,4 ins.diam.,bears N.58°E.,27 lks.dist.,marked ¼ S 26 B T.
	A cedar,6 ins.diam.,bears N.74°W.,60 lks.dist., marked ¼ S 27 B T.
46.25	Bottom of hollow,200 ft.deep,course W.
	Begin abrupt ascent.
51.90	Top of ridge bears E.and W.
	Begin abrupt descent.
80.00	Set a sandstone,18x8x8 ins.,12 ins.in the ground,for cor.of secs.22-23-26 and 27,marked with 2 notches on the E.and S.edges;from which
	A cedar,6 ins.diam.,bears N.88°E.,31 lks.dist., marked T 10 S R 24 E S 23 B T.
	A cedar,5 ins.diam.,bears S.27°30'E.,36 lks.dist., marked T 10 S.R 24 E S 26 B T.
	A cedar,5 ins.diam.,bears S.36°W.,48 lks.dist., marked T 10 S R 24 E S 27 B T.
	A cedar,5 ins.diam.,bears N.45°W.,80 lks.dist., marked T 10 S R 24 E S 22 B T.
	Land,mountainous.
	Soil;rocky,4th rate.
	Timber,cedar.
	Mountainous land on 80.00 chs.

	S.89°58'E.on a random line bet.secs.23 and 26.
40.00	Set temp.¼ sec.cor.

SUBDIVISIONS OF T.10 S.,R.24 E.

	CHAINS.	
	80.04	Intersect N.and S.line,7 lks.S.of the cor.of secs. 23-24-25 and 26.
		Thence I run
		S.89°59'W.on a true line
		bet.secs.23 and 26.
		Descend over rocky land.
	3.00	Bottom of hollow,150 ft.deep,course NE.
		Ascend.
	14.00	Enter scattering cedar timber.
	21.00	Top of spur projects N.
		Descend.
	23.25	Bottom of hollow,100 ft.deep,course NE.
		Begin abrupt ascent.
	40.02	Set a sandstone,18x12x4 ins.,12 ins.in the ground,for ¼ sec.cor.,marked ¼ on N.face;from which
		A cedar,5 ins.diam.,bears N.64°E.,74 lks.dist., marked ¼ S 23 B T.
		A cedar,12 ins.diam.,bears S.49°W.,58 lks.dist., marked ¼ S 26 B T.
	54.65	Top of ridge bears N.and S.
		Descend.
	74.00	Bottom of hollow,100 ft.deep,course NW.
		Ascend.
	80.04	The cor.of secs.22-23-26 and 27.
		Land,mountainous.
		Soil;rocky 4th rate.
		Timber,cedar.
		Mountainous land on 80.04 chs.

August 6,1904.

August 7:At 7h 06m a.m.,l.m.t.,I set off 39°56'N.on the lat.arc;16°29'N.on the decl.arc;and determine a meridian with the solar at the cor.of secs.22-23-26 and 27.

SUBDIVISIONS OF T.10 S.,R.24 E.

CHAINS	
	Thence I run
	N.0°01'W.,bet.secs.22 and 23.
	Descend abruptly over rocky land through scattering cedar timber.
8.50	Bottom of hollow,100 ft.deep,course NW.
	Ascend.
13.65	Top of spur projects NW.
	Descend.
22.00	Bottom of hollow,150 ft.deep,course NW.
	Ascend.
36.60	Top of spur projects NW.
	Descend.
40.00	Set a sandstone,20x14x5 ins.,15 ins.in the ground,for ¼ sec.cor.,marked ¼ on W.face;from which
	A cedar,5 ins.diam.,bears N.20°30'W.,25 lks.dist., marked ¼ S 22 B T.
	A cedar,5 ins.diam.,bears N.59°E.,46 lks.dist., marked ¼ S 23 B T.
48.00	Bottom of hollow,100 ft.deep,course W.
	Ascend. Leave timber.
51.50	Top of spur projects W.
	Descend.
54.00	Bottom of hollow,100 ft.deep,course W.
	Ascend.
60.30	Top of spur projects SW.
	Descend.
64.00	Bottom of hollow,100 ft.deep,course SW.
	Begin abrupt ascent.
69.40	Top of ridge bears NW.and SE.
	Begin abrupt descent.
77.00	Bottom of hollow,75 ft.deep,course NE.
	Ascend.
80.00	Set a sandstone,18x10x6 ins.,12 ins.in the ground, for cor.of secs.14-15-22 and 23,marked with 3 notches

SUBDIVISIONS OF T.10 S.,R.24 E.

CHAINS	
	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,4th rate.
	Timber,cedar.
	Mountaincus land on 80.00 chs.

	N.89°59'E.on a random line bet.secs.14 and 23.
40.00	Set temp.¼ sec.cor.
80.06	Intersect N.and S.line,5 lks.S.of the cor.of secs. 13-14-23 and 24.
	Thence I run
	S.89°57'W.on a true line
	bet.secs.14 and 23.
	Ascend over rocky land through scattering cedar timber.
5.00	Top of ridge bears N.and S.
	Descend.
36.00	Bottom of hollow,200 ft.deep,course N.
	Begin abrupt ascent.
40.03	Set a sandstone,24x12x7 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.
40.50	Top of spur projects N,
	Begin abrupt descent.
68.00	Bottom of hollow,150 ft.deep,course N.
	Begin abrupt ascent. leave timber.
74.00	Top of spur projects N.
	Descend.
78.50	Bottom of hollow,75 ft.deep,course NE.
	Ascend.
80.06	The cor.of secs.14-15-22 and 23.

SUBDIVISIONS OF T.10 S.,R.24 E.

CHAINS	
	Land,mountainous.
	Soil:rocky,4th rate.
	Timber,cedar.
	Mountainous land on 80.06 chs.
	August 7:At this cor.,I set off 16°24'N.on the decl. arc;and at 12h 06m p.m.,l.m.t.,observe the sun on the meridian;the resulting lat.is 39°56'N.

	N.0°01'W.,bet.secs.14 and 15.
	Ascend over rocky land.
4.30	Top of rocky ridge bears NE.and SW.
	Descend.
31.00	Bottom of hollow,100 ft.deep,course NW.
	Begin abrupt ascent.
35.35	Top of spur projects NW.
	Begin abrupt descent.
40.00	Set a sandstone,28x10x4 ins.,21 ins.in the ground,for ¼ sec.cor.,marked ¼ on W.face;and raise a mound of stone,2 ft.base,1½ ft.high,W.of cor.
	Pits impracticable.
66.15	Left bank of White River,1.85 chs.wide,course W.
68.00	Right bank of White River.
	Over level bottom land through dense greasewood brush and scattering cottonwood timber.
77.00	Leave bottom land,bearing E.and W.
	Leave dense undergrowth and timber.
	Begin abrupt ascent over rocky land.
80.00	Set a sandstone,16x12x5 ins.,11 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,4th rate.

SUBDIVISIONS OF T.10 S.,R.24 E.

CHAINS	
	Timber,cottonwood.
	Mountainous land or dense undergrowth 80.00 chs.

	N.89°57'E.on a random line bet.secs.11 and 14.
40.00	Set temp.¼ sec.cor.
79.96	Intersect N.and S.line,3 lks.N.of the cor.of secs. 11-12-13 and 14.
	Thence I run
	S.89°58'W.on a true line bet.secs.11 and 14.
	Ascend abruptly over rocky land.
16.00	Top of spur projects NW.
	Begin abrupt descent.
39.98	Set a sandstone,28x12x5 ins.,21 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.
57.00	Enter level bottom land along White River ,through dense greasewood brush and scattering cottonwood timber.
59.00	Left bank of White River,1.75 chs.wide,course SW.
62.00	Right bank of White River.
73.00	Leave bottom land,bearing NE.and SW.
	Leave dense undergrowth and timber. Ascend over rocky land.
79.96	The cor.of secs.10-11-14 and 15.
	Land,mountainous.
	Soil:rocky,4th rate,and sandy,3rd rate.
	Timber cottonwoods.
	Mountainous land or dense undergrowth on 79.96 chs.
	August 7,1904.

SUBDIVISIONS OF T.10 S.,R.24 E.

CHAINS	
	August 8:At 7h 05m a.m.,l.m.t.,I set off 39°57'N.on the lat.arc;16°12'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°01'W.,bet.secs.10 and 11.
	Ascend abruptly over sandstone ledges and boulders.
2.00	Top of ridge bears E.and W.
	Descend.
10.00	Bottom of hollow,100 ft.deep,course SW.
	Ascend.
21.00	Top of spur projects SW.
	Descend.
29.00	Bottom of hollow,75 ft.deep,course SW.
	Ascend.
34.00	Top of spur projects SW.
	Descend.
40.00	Set a sandstone,16x10x4 ins.,11 ins.in the ground,for $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on W.face;and raise a mound of stone,2 ft.base,$1\frac{1}{2}$ ft.high,W.of cor.
	Pits impracticable.
51.00	Bottom of hollow,50 ft.deep,course W.
	Ascend..
62.00	Top of spur projects SW.
	Descend.
68.00	Bottom of hollow,100 ft.deep,course SW.
	Ascend.
75.00	Top of spur projects SW.
	Descend.
80.00	Head of hollow,course SW.
	Set a sandstone,16x10x5 ins.,11 ins.in the ground,for cor.of secs.2-3-10 and 11,marked with 5 notches on the S.and 2 notches on the E.edge;and raise a mound of stone,

SUBDIVISIONS OF T.10 S.,R.24 E.

CHAINS	
	2 ft.base,1½ ft.high,W.of cor.
	Pits impracticable.
	Land,mountainous.
	Soil;rocky,4th rate.
	No timber.
	Mountainous land on 80.00 chs.

	N.89°58'W.on a random line bet.secs.2 and 11
40.00	Set temp.¼ sec.cor.
80.06	Intersect N.and S.line,7 lks.N.of the cor.of secs. 1-2-11 and 12.
	Thence I run
	N.89°59'W.on a true line
	bet.secs.2 and 11.
	Ascend over rocky land.
2.70	Top of spur projects SW.
	Begin abrupt descent.
18.50	Enter level botton land along White River,bearing N.and S.
	Enter scattering cottonwood timber,and dense greasewood brush.
29.00	Left bank of White River,1.80 chs.wide,course S.
30.80	Right bank of White.River.
	Leave dense undergrowth and timber.
	Begin abrupt ascent over rocky land.
40.03	Point for ¼ sec.cor.,falls on perpendicular face of sandstone ledge,and cannot be set.
44.50	Top of abrupt ascent bears NE.and SW.
	Set a sandstone,16x10x5 ins.,11 ins.in the ground, for witness cor.to ¼ sec.cor.,marked WC¼ on N.face; and raise a mound of stone,2 ft.base,1½ ft.high,N.of cor.
	Pits impracticable. Ascend.
50.00	Top of spur projects NE.
	Descend.

SUBDIVISIONS OF T.10 S.,R.24 E.

CHAINS	
61.00	Bottom of hollow,350 ft.deep,course NE.
	Ascend.
74.50	Top of spur projects SW.
	Descend.
80.06	The cor.of secs.2-3-10 and 11.
	Land,mountainous.
	Soil,rocky,4th rate.
	Timber,cottonwood.
	Mountainous land or dense undergrowth on 80.06 chs.

	N.0°01'W.,bet.secs.2 and 3.
40.00	Set temp.¼ sec.cor.
80.32	Intersect N.bdy.of the Tp.,3 lks.E.of the cor.of secs.
	2-3-34 and 35,heretofore described.
	Thence I run
	S.0°02'E.,on a true line
	bet.secs.2 and 3.
	Ascend over rocky land.
3.90	Top of spur projects NE.
	Descend.
17.55	Gilsonite vein,2½ ft.wide,on Uintah Lode,bears NW.& SE.
19.00	Bottom of hollow,100 ft.deep,course NE.
	Ascend.
40.32	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.
46.00	Top of spur projects E.
	Descend.
59.00	Bottom of hollow,300 ft.deep,course E.
	Ascend.
73.60	Top of ridge bears NW.and SE.
80.32	The cor.of secs.2-3-10 and 11.
	Land,mountainous.

SUBDIVISIONS OF T.10 S.,R.24 E.

	CHAINS
	Soil;rocky,4th rate.
	No timber.
	Mountainous land on 80.32 chs.
	August 8,1904.

	August 9:At 7h 05m a.m.,l.m.t.,I set off 39°54'N.on the lat.arc;15°55'N.on the decl.arc;and determine a meridian with the solar at the standard cor.of secs. 33 and 34,heretofore described,on the Second Standard Parallel South.
	Thence I run
	N.0°02'W.,bet.secs.33 nd 34.
	Descend over rocky land through scattering cedar timber.
8.00	Bottom of hollow,150 ft.deep,course NE.
	Begin abrupt ascent.
23.45	Top of spur projects E.
	Begin abrupt descent.
34.00	Bottom of hollow,150 ft.deep,course NE.
	Begin abrupt ascent.
40.00	Set a sandstone,20x10x5 ins.,15 ins.in the ground,for ¼ sec.cor.,marked ÷ on W.face;from which
	A cedar,7 ins.diam.,bears S.81°E.,43 lks.dist., marked ¼ S 34 B T.
	A cedar 7 ins.diam.,bears S.85°W.,57 lks.dist., marked ¼ S 33 B T.
53.00	Top of rocky spur projects NE.
	Begin abrupt descent.
80.00	Set a sandstone,18x10x10 ins.,12 ins.in the ground,for cor.of secs.27-28-33 and 34,marked with 1 notch on the S.and 3 notches on the E.edge;from which
	A cedar,6 ins.diam.,bears N.13°30'E.,1.21 chs.dist., marked T 10 S R 24 E S 27 B T.
	A cedar,5 ins.diam.,bears S.65°E.,1.41 chs.dist., marked T 10 S R 24 E S 34 B T.

SUBDIVISIONS OF T.10 S.,R.24 E.

CHAINS	
	A cedar,3 ins.diam.,bears S.12°30'W.,38 lks.dist., marked T 10 S R 24 E 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.
	Soil;rocky,4th rate.
	Timber,cedar.
	Mountainous land on 80.00 chs.

	East on a random line bet.secs.27 and 34.
40.00	Set temp.¼ sec.cor.
80.10	Intersect N.and S.line,9 lks.S.of the cor.of secs. 26-27-34 and 35.
	Thence I run S.89°56'W.on a true line bet.secs.27 and 34.
	Ascend abruptly over rocky land through scattering cedar timber.
4.70	Top of ridge bears N.and S.
	Begin abrupt descent.
40.05	Set a sandstone,18x10x6 ins.,12 ins.in the ground,for ¼ sec.cor.,marked ¼ on N.face;and raise a mound of stone 2 ft.base,1½ ft.high,N.of cor.
	Pits impracticable.
67.00	Bottom of hollow,200 ft.deep,course NW.
	Ascend.
80.10	The cor.of secs.27-28-33 and 34.
	Land,mountainous.
	Soil;rocky,4th rate.
	Timber,cedar.
	Mountainous land on 80.10 chs.

SUBDIVISIONS OF T.10 S.,R.24 E.

CHAINS	
	August 9: At the cor.of secs.27-28-33 and 34,I set off 15°50'N. on the decl.arc;and at 12h 05m p.m.,l.m.t.,observe the sun on the meridian;the resulting lat.is 39°55'N. Thence I run N.0°02'W.,bet.secs.27 and 28. Descend over rocky land through dense artemisia.
14.00	Bottom of hollow,150 ft.deep,course NW.
	Begin abrupt ascent.
25.50	Enter scattering cedar timber.
35.10	Top of rocky spur projects NW.
	Descend.
40.00	Set a sandstone,18x10x6 ins.,12 ins.in the ground,for ¼ sec.cor.,marked ¼ on W.face;from which A cedar,5 ins.diam.,bears N.83°E.,51 lks.dist., marked ¼ S 27 B T. A cedar,4 ins.diam.,bears S.51°W.,14 lks.dist., marked ¼ S 28 B T.
68.25	Bottom of hollow,200 ft.deep,course NW.
	Begin abrupt ascent.
74.50	Top of rocky spur projects W. Descend abruptly.
80.00	In hollow,100 ft.deep,draining SW.,
	Set a sandstone,26x14x4 ins.,19 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 cedar,12 ins.diam.,bears N.82°E.,55 lks.dist., marked T 10 S R 24 E S 22 B T. A cedar,4 ins.diam.,bears S.57°E.,28 lks.dist., marked T 10 S R 24 E S 27 B T. A cedar,5 ins.diam.,bears S.78°W.,35 lks.dist., marked T 10 S R 24 E S 28 B T. A cedar 5 ins.diam.,bears N.51°W.,42 lks.dist., marked T 10 S R 24 E S 21 B T.
	Land,mountainous.
	Soil;rocky,4th rate.

SUBDIVISIONS OF T.10 S.,R.24 E.

CHAINS	
	Timber,cedar.
	Mountainous land and dense undergrowth on 80.00 chs.

	N.89°56'E.on a random line bet.secs.22 and 27.
40.00	Set temp.¼ sec.cor.
80.08	Intersect N.and S.line,15 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 abruptly over rocky land through scattering cedar timber.
5.25	Top of spur projects NW.
	Begin abrupt descent.
10.00	Bottom of hollow,150 ft.deep,course NW.
	Begin abrupt ascent.
28.90	Top of rocky spur projects N.
	Begin abrupt descent.
38.50	Bottom of hollow,150 ft.deep,course N.
	Begin abrupt ascent.
40.04	Set a sandstone,20x8x6 ins.,15 ins.in the ground,for ¼ sec.cor.,marked ¼ on N.face;from which
	A cedar,5 ins.diam.,bears N.79°W.,27 lks.dist., marked ¼ S 22 B T.
	A cedar,6 ins.diam.,bears S.69°W.,45 lks.dist., ¼ S 27 B T.
49.00	Top of ridge bears N.and S.
	Begin abrupt descent over broken land.
80.08	The cor.of secs.21-22-27 and 28.
	Land,mountainous..
	Soil;rocky,4th rate.
	Timber,cedar.
	Mountainous land on 80.08 chs.
	August 9,1904.

SUBDIVISIONS OF T.10 S.,R.24 E.

CHAINS	
	August 10:At 7h 05m a.m.,l.m.t.,I set off 39°56'N.on the lat.arc;15°37'N.on the decl.arc;and determine a meridian with the solar at the cor.of secs.21-22-27 and 28.
	Thence I run
	N.0°02'W.,bet.secs.21 and 22.
	Ascend abruptly over rocky land through scattering cedar timber.
16.40	Top of ridge bears NE.and SW.
	Begin abrupt descent.
	Leave timber.
21.00	Bottom of hollow,200 ft.deep,course W.
	Begin abrupt ascent,
32.40	Top of ridge bears E.and W.
	Begin abrupt descent.
	Enter scattering cedar timber.
40.00	Bottom of hollow,150 ft.deep,course W. Ascend.
	Set a sandstone,24x12x8 ins.,18 ins.in the ground,for ¼ sec.cor.,marked ¼ on W.face;from which
	A cedar,8 ins.diam.,bears S.81°E.,81 lks.dist., marked ¼ S 22 B T.
	A cedar,7 ins.diam.,bears N.28°W.,36 lks.dist., marked ¼ S 21 B T.
47.60	Top of spur projects NW.
	Begin abrupt descent.
74.00	Left bank of White River,1.80 chs.wide,course W.
75.80	Right bank of White River.
	Over level bottom land through dense greenwood brush.
80.00	Set a sandstone,16x10x5 ins.,11 ins.in the ground,for cor.of secs.15-16-21 and 22,marked
	10 S on NE.,and
	24 E on SE.face;with 3 notches on the S.and E.edges;

SUBDIVISIONS OF T.10 S.,R.24 E.

CHAINS	
	and raise a mound of stone,2 ft.base,1½ ft.high,W.of cor.
	Pits impracticable.
	Land,mountainous.
	Soil rocky,4th rate.
	Timber,cedar.
	Mountainous land or dense undergrowth on 80.00 chs.

	S.89°58'E.on a random line bet.secs.15 and 22.
40.00	Set temp.¼ sec.cor.
80.04	Intersect N.and S.line,3 lks.N.of the cor.of secs. 14-15-22 and 23,
	Thence I run
	N.89°57'W.,on a true line
	bet.secs.15 and 22.
	Ascend over rocky land.
6.70	Top of ridge bears NE.and SW.
	Descend.
10.00	Bottom of hollow,100 ft.deep,course NE.
	Ascend.
14.50	Top of ridge bears N.and S.
	Begin abrupt descent.
38.00	Bottom of hollow,150 ft.deep,course NW.
	Begin abrupt ascent.
40.02	Set a sandstone,24x8x6 ins.,18 ins.in the ground,for ¼ sec.cor.,marked ¼ on N.face;and raise a mound of stone,2 ft.base,1½ ft.high,N.of cor.
	Pits impracticable.
54.00	Top of spur projects N.
	Begin abrupt descent.
69.00	Foot of abrupt descent bears N.and S.
	Enter level bottom land through dense greasewood brush, along White River.
75.90	Left bank of White River,1.55 chs.wide,course S.
77.45	Right bank of White River.

SUBDIVISIONS OF T.10 S.,R.24 E.

CHAINS	
80.04	The cor.of secs.15-16-21 and 22.
	Land,mountainous.
	Soil;rocky,4th rate.
	No timber.
	Mountainous land or dense undergrowth on 80.04 chs.
	August 10:At this cor.,I set off 15°33'N.on the decl. arc;and at 12h 05m p.m.,l.m.t.,observe the sun on the meridian;the resulting lat.is 39°56'N.

	N.0°02'W.,bet.secs.15 and 16.
	Over bottom land through dense greasewood brush and scattering cottonwood timber.
9.00	Leave level bottom land.
	Leave dense undergrowth and cottonwood timber.
	Ascend over rocky land.
15.00	Top of spur projects E.
	Begin abrupt descent.
19.00	Foot of abrupt descent bears NW.and SE.
	Enter level bottom land along White River.
	Enter dense greasewood brush and scattering cottonwood timber.
38.30	Right bank of White River,1.50 chs.wide,course SE.
40.00	Left bank of White River.
	Set a sandstone,24x12x4 ins.,18 ins.in the ground,for ¼ sec.cor.,marked ¼ on W.face;from which
	A cottonwood,6 ins.diam.,bears N.1°E.,1.51 chs.dist., marked ¼ S 15 B T.
	A cottonwood,6 ins.diam.,bears N.2°30'W.,1.39 chs. dist.,marked ¼ S 16 B T.
44.00	Leave bottom land,timber and undergrowth.
	Ascend over rocky land.
79.00	Top of spur projects NW.
	Descend.
80.00	Set a sandstone,20x10x4 ins.,15 ins.in the ground,

SUBDIVISIONS OF T.10 S.,R.24 E.

CHAINS	
	for cor.of secs.9-10-15 and 16,marked with 4 notches on the S.and 3 notches on the E.edge;and raise a mound of stone,2 ft.base,1½ ft.high,W.of cor.
	Pits impracticable.
	Land,mountainous.
	Soil;rocky,and sandy,4th rate.
	Timber,cottonwood.
	Mountainous land or dense undergrowth on 80.00 chs.

	S.89°57'E.on a random line bet.secs.10 and 15.
40.00	Set temp.¼ sec.cor.
79.80	Intersect N.and S.line,7 lks.S.of the cor.of secs. 10-11-14 and 15.
	Thence I run
	West on true line
	bet.secs.10 and 15.
	Ascend over rocky land.
14.00	Top of spur projects S.
	Descend.
39.90	Enter level bottom land along White River.
	Enter dense greasewood brush.
	Set a sandstone,16x10x4 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.
49.90	Right bank of White River,1.50 chs.wide,course NW.
52.00	Left bank of White River.
	Begin abrupt ascent bearing NW.and SE.
55.40	Top of spur projects NW.
	Begin abrupt descent.
79.80	The cor.of secs.9-10-15 and 16.
	Land mountainous.
	Soil;rocky,and sandy,4th rate.
	No timber.

SUBDIVISIONS OF T.10 S.,R.24 E.

CHAINS	
	Mountainous land or dense undergrowth on 79.80 chs.
	August 10,1904.
	———————
	August 11:At 7h 05m a.m.,l.m.t.,I set off 39°57'N.on the lat.arc;15°20'N.on the decl.arc;and determine a meridian with the solar at the cor.of secs.9-10-15 and 16.
	Thence I run
	N.0°02'W.,bet.secs.9 and 10.
	Descend over rocky land.
33.50	Enter level bottom land along White River,bearing E. and W.
	Enter dense greasewood brush and scattering cottonwood timber.
40.00	Set a sandstone,28x14x5 ins.,21 ins.in the ground,for ¼ sec.cor.,marked ¼ on W.face;from which
	A cottonwood,6 ins.diam.,bears S.48°E.,77 lks.dist., marked ¼ S 10 B T.
	A cottonwood,15 ins.diam.,bears N.62°W.,1.00 ch.dist., marked ¼ S 9 B T.
46.15	Left bank of White River,1.85 chs.wide,course W.
48.00	Right bank of White River.
	Begin abrupt ascent over rocky land.
	Leave undergrowth and timber.
63.00	Begin more gradual ascent.
70.00	Top of ridge bears NE.and SW.
	Descend.
80.00	Set a sandstone,16x10x6 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,½ ft.high,W.of cor.
	Pits impracticable.
	Land,mountainous.
	Soil;rocky and sandy,4th rate.

SUBDIVISIONS OF T.10 S.,R.24 E.

CHAINS	
	Timber,cottonwood.
	Mountainous land or dense undergrowth on 80.00 chs.

	E.on a random line bet.secs.3 and 10.
40.00	Set temp.¼ sec.cor.
79.90	Intersect N.and S.line,5 lks.S.of the cor.of secs.2-3-10 and 11.
	Thence I run
	S.89°58'W.,on a true line
	bet.secs.3 and 10.
	Ascend over rocky land.
30.00	Top of spur projects S.
	Descend.
39.95	Set a sandstone,16x10x4 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.
41.00	Bottom of hollow,150 ft.deep,course S.
	Ascend.
51.00	Top of ridge bears NE.and SW.
	Descend.
79.90	The cor.of secs.3-4-9 and 10.
	Land,mountainous.
	Soil;rocky,4th rate.
	No timber.
	Mountainous land on 79.90 chs.

	N.0°02'W.,on a random line bet.secs.3 and 4.
40.00	Set temp.¼ sec.cor.
80.28	Intersect N.bdy.of the Tp.,5 lks.E.of the cor.of secs.3-4-33 and 34,heretofore described.
	Thence I run
	S.0°04'E.,on a true line
	bet.secs.3 and 4.

	CHAINS	
		Descend abruptly over sandstone ledges and boulders.
	9.00	Head of hollow,300 ft.below top of ridge,course SW.
		Ascend.
	27.00	Top of spur projects W.
		Descend.
	34.00	Bottom of hollow,150 ft.deep,course W.
		Ascend.
	40.28	Set a sandstone,14x8x5 ins.,9 ins.in the ground,for ¼ sec.cor.,marked ¼ on W.face;and raise a mound of stone,2 ft.base,1½ ft.high,W.of cor.
		Pits impracticable.
	44.00.	Top of spur projects W.
		Descend.
	66.00	Bottom of hollow,200 ft.deep,course W.
		Ascend.
	80.28	The cor.of secs.3-4-9 and 10.
		Land,mountainous.
		Soil;rocky,4th rate.
		No timber.
		Mountainous land on 80.28 chs.
		August 11,1904.

		August 12:At 7h 05m a.m.,l.m.t.,I set off 39°54'N.on the lat.arc;15°02'N.on the decl.arc;and determine a meridian with the solar at the standard cor.of secs. 32 and 33,heretofore described,on the Second Standard Parallel South.
		Thence I run
		N.0°03'W.,bet.secs.32 and 33.
		Descend over rocky land through scattering cedar timber.
	2.30	Bottom of hollow,100 ft.deep,course NW.
		Begin abrupt ascent.
	20.50	Top of rocky spur projects W.

SUBDIVISIONS OF T.10 S.,R.24 E.

CHAINS	
	Begin abrupt descent.
32.00	Bottom of hollow,250 ft.deep,course W.
	Begin abrupt ascent.
39.00	Top of spur projects W.
	Descend.
40.00	Set a sandstone,20x14x4 ins.,15 ins.in the ground,for ¼ sec.cor.,marked ¼ on W.face;from which
	A cedar,4 ins.diam.,bears S.29°W.,42 lks.dist., marked ¼ S 32 B T.
	A pinon,12 ins.diam.,bears N.61°E.,47 lks.dist., marked ¼ S 33 B T.
41.50	Head of hollow,course SW.
	Begin abrupt ascent.
51.15	Top of ridge bears E.and W.
	Descend.
61.00	Bottom of hollow,100 ft.deep,course W.
	Begin abrupt ascent.
67.35	Top of ridge bears NW.and SE.
	Begin abrupt descent.
80.00	Set a sandstone,28x12x12 ins.,21 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 cedar,6 ins.diam.,bears N.73°E.,21 lks.dist., marked T 10 S R 24 E S 28 B T.
	A cedar,6 ins.diam.,bears S.22°E.,62 lks.dist., marked T 10 S R 24 E S 33 B T.
	A cedar,10 ins.diam.,bears S.10°W.,1.21 chs.dist., marked T 10 S.R 24 E S 32 B T.
	A cedar,6 ins.diam.,bears N.33°W.,48 lks.dist., marked T 10 S R 24 E S 29 B T.

Land,mountainous..

Soil;rocky,4th rate.

Timber,cedar.

Mountainous land on 80.00 chs.

SUBDIVISIONS OF T.10 S.,R.24 E.

CHAINS	
	East on a random line bet.secs.28 and 33.
40.00	Set temp.¼ sec.cor.
80.08	Intersect E.and S.line,7 lks.N.of the cor.of secs.
	27-28-33 and 34.
	Thence I run
	N.89°57'W.on a true line
	bet.secs.28 and 33.
	Ascend over rocky land through scattering timber.
9.49	Top of spur projects N.
	Descend.
14.75	Bottom of hollow,100 ft.deep,course NW.
	Ascend.
19.75	Top of rocky spur projects N.
	Descend.
29.50	Bottom of hollow,150 ft.deep,course N.
	Ascend.
39.50	Top of spur projects N.
	Descend.
40.34	Set a sandstone,18x6x8 ins.,12 ins.in the ground,for
	¼ sec.cor.,marked ¼ on N.face;from which
	A cedar,6 ins.diam.,bears N.47°W.,64 lks.dist.,
	marked ¼ S 28 B T.
	A cedar,4 ins.diam.,bears S.48°W.,91 lks.dist.,
	marked ¼ S 33 B T.
43.00	Bottom of hollow,150 ft.deep,course NE.
	Ascend.
47.00	Top of ridge bears N.and S.
	Descend.
54.66	Bottom of hollow,100 ft.deep course N.
	Ascend.
60.08	The cor.of secs.28-29-32 and 33.
	Land,mountainous.
	Soil,rocky,4th rate.
	Timber cedar.

SUBDIVISIONS OF T.10 S.,R.24 E.

CHAINS	
	Mountainous land on 80,08 chs.
	N.0°03'E.,bet.secs.28 and 29
	Descend abruptly over rocky land through scattering cedar timber.
13.00	Bottom of hollow,100 ft.deep,course NE.
	Ascend.
18.00	Top of spur projects NE.
	Descend.
35.50	Bottom of hollow,200 ft.deep,course NW.
	Begin abrupt ascent.
	Leave timber.
40.00	Set a sandstone,28x8x8 ins.,21 ins.in the ground,for ¼ sec.cor.,marked ¼ on W.face;and raise a mound of stone,2 ft.base,1½ ft.high,W.of cor.
	Pits impracticable.
45.35	Top of spur projects NW.
	Begin abrupt descent.
75.00	Bottom of hollow,100 ft.deep,course NW.
	Ascend.
79.00	Top of spur projects W.
	Descend.
80.00	Set a sandstone,24x12x6 ins.,18 ins.in the ground,for cor.of secs.20-21-28 and 29,marked with 2 notches on the S.and 4 notches on the E.edge;and raise a mound of stone 2 ft.base,1½ ft.high,W.of cor.
	Pits impracticable.
	Land,mountainous.
	Soil;rocky,4th rate.
	Timber,cedar,
	Mountainous land on 80.00 chs.
	August 12:At this cor.,I set off 14°57'N.on the decl. arc;and at 12h 05m p.m.,l.m.t.,observe the sun on the

SUBDIVISIONS OF T.10 S.,R.24 E.

CHAINS	
	meridian;the resulting lat.is 39°56'N.

	S.89°57'E.on a random line bet.secs.21 and 28.
40.00	Set temp.¼ sec.cor.
80.04	Intersect N.and S.line,16 lks.S.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.
	Ascend over rocky land.
8.00	Top of spur projects S. Begin abrupt descent.
40.02	Bottom of hollow,200.ft.deep,course NW.
	Set a sandstone,24x10x8 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.
	Begin abrupt ascent.
72.75	Top of rocky spur projects NE.
	Begin abrupt descent.
80.04	The cor.of secs.20-21-28 and 29.
	Land,mountainous.
	Soil;rocky,4th rate.
	No timber.
	Mountainous land on 80.04 chs.

	N.0°03'W.,bet.secs.20 and 21.
	Descend abruptly over rocky land.
28.00	Bottom of hollow,200 ft.deep,course NE.
	Begin abrupt ascent.
37.70	Top of rocky spur projects E.
	Descend.
40.00	Set a sandstone,20x15x4 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.

SUBDIVISIONS OF T.10 S.,R.24 E.

Chains	
	Pits impracticable.
53.00	Bottom of hollow,200 ft.deep,course NW.
	Begin abrupt ascent over broken land.
80.00	Set a sandstone,20x12x8 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,4th rate.
	No timber.
	Mountainous land on 80.00 chs.

August 12,1904.

August 13:At 7h 05m a.m.,l.M.t.,I set off 39°56'N.on the l't.arc;14°44'N.on the dev.arc;and determine a meridian with the solar at the cor.of secs.16-17-20 and 21.

Thence I run

N.89°56'E.on a random line bet.secs.16 and 21.

34.60	Left bank of White River.
	Set temp,witness cor.to ¼ sec.cor.
	To pass river,I offset as follows:
	South,6.00 chs.;N.89°56'E.,17.30 chs.;North,6.00 chs.,to
51.90	Right bank of White River,on the random line.
79.93	Intersect N.and S.line,5 lks.N.of the cor.of secs. 15-16-21 and 22.

Thence I run

S.89°58'W.on a true line

bet.secs.16 and 21.

Over level bottom land through dense greasewood brush and scattering cottonwood timber.

28.00	Right bank of White River,160 lks.wide, course NW.to W.
	To pass river,

SUBDIVISIONS OF T.10 S.,R.24 E.

CHAINS	
	Offset South,6.00 chs.;then run on offset line S.89°58'W.,
39.96	Point for ¼ sec.cor.falls in river and cannot be set.
45.30	Offset North,6.00 chs.to true line.
	Left bank of White River,course W.to NW.
	Set a sandstone,20x12x8 ins.,15 ins.in the ground,
	for witness cor.to ¼ sec.cor.,marked WC ¼ on N.face;
	from which
	A cottonwood,6 ins.diam.,bears N.62°W.,47 lks.dist.,
	marked W C ¼ S 16 B T.
	A cottonwood,6 ins.diam.,bears S.76°W.,64 lks.dist.,
	marked W C ¼ S 21 B T.
	Over level bottom land through dense greasewood brush
	and scattering cottonwood timber.
49.30	Left bank of White River,1.75 chs.wide,course SW.
51.45	Right bank of White River.
59.00	Right bank of White River,2.30 chs.wide,course N.
61.30	Left bank of White River. Leave undergrowth and timber.
	Begin abrupt ascent over rocky land.
70.30	Ridge bears NW.and SE.
79.92	The cor.of secs.16-17-20 and 21.
	Land,Mountainous and level.
	Soil;sandy and rocky,4th rate.
	Timber cottonwood.
	Mountainous land or dense undergrowth on 79.92 chs.

	N.0°03'W.,bet,secs.16 and 17.
	Ascend abruptly over rocky land.
2.70	Top of spur projects W.
	Descend.
12.00	Enter level bottom land along White River,
	through dense greasewood brush.
23.10	Left bank of White River,1.60 chs.wide,course NW.
25.00	Right bank of White River. Ascend.
35.00	Top of spur projects SW.

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SUBDIVISIONS OF T.10 S.,R.24 E.

CHAINS	
	Descend.
40.00	Set a sandtone,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.
41.00	Bottom of hollow,200 ft.deep,course S.to SW.
	Thence along bottom of hollow.
	[illegible]
51.00	Leave bottom of hollow.
	Ascend.
61.00	Top of spur projects SW.
	Descend.
66.00	Junction of two hollows,course SE.and SW.to SW.
	Ascend.
80.00	On top of spur projecting SW.,
	Set a sandstone,16x10x5 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;and raise a mound of stone,2 ft.base,1½ ft.high,W.of cor.
	Pits impracticable.
	Land,mountainous and level.
	Soil:rocky,4th rate.
	No timber.
	Mountainous land or dense undergrowth on 80.00 chs.

	N.89°58'E.on random line bet.secs. 9 and 16.
40.00	Set temp.¼ sec.cor.
80.10	Intersect N.and S.line,9 lks.N.of the cor.of secs. 15-16-21 and 22.
	Thence I run
	N.89°58'W.,on a true line bet.secs.9 and 16.
	Descend over rocky land.
12.00	Enter level bottom land along White River,bearing N.and S.

SUBSDIVSIONS OF T.10 S.,R.24 E.

CHAINS	
	Enter dense greasewood brush and scattering cottonwood timber.
18.10	Left bank of White River,1.65 chs.wide,course S.
19.75	Right bank of White River.
22.00	Leave bottom land bearing N.and S. Ascend.
	Leave dense undergrowth and timber.
40.05	Set a sandstone,14x10x5 ins.,9 ins.in the ground,for ¼ sec.cor.,marked ¼ on N.face;and raise a mound of stone,2 ft.base,½ ft.high,N.of cor.
	Pits impracticable.
48.00	Top of ridge bears NE.and SW.
	Descend.
69.00	Bottom of hollow,150 ft.deep,course SW.
	Ascend.
74.00	Top of ridge bears NE.and SW.
	Descend.
78.00	Bottom of hollow,175 ft.deep,course SW.
	Ascend.
80.10	The cor.of secs.8-9-16 and 17.
	Land,mountainous.
	Soil;rocky,4th rate.
	Timber cottonwood.
	Mountainous land or dense undergrowth on 80.10 chs.
	August 13-At this cor.,I set off 14°39'N.on the lat. arc;and at 12h 05m p.m.,l.m.t.,observe the sun on the meridian;the resulting lat.is 39°57'N.

N.0°03'W.,bet.secs.8 and 9.

Descend over broken and rocky land.

5.00	Bottom of hollow,150 ft.deep,course SW.
	Ascend.
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,½ ft.high,W.of cor.

SUBDIVISIONS OF T.10 S.,R.24 E.

CHAINS	
	Pits impracticable.
52.00	Top of spur projects SE.
	Descend.
68.00	Bottom of hollow,50 ft.deep,course SE.
	Ascend.
80.00	Set a sandstone,16x10x5 ins.,11 ins.in the ground,for cor.of secs.4-5-8 and 9,marked with 5 notches on the S. and 4 notches on the E.edge;and raise a mound of stone,2 ft.base,1½ ft.high,W.of cor.
	Pits impracticable.
	Land,mountainous.
	Soil:rocky,4th rate.
	No timber.
	Mountainous land on 80.00 chs.

	S.89°58'E.on a random line bet.secs.4 and 9.
40.00	Set temp.¼ sec.cor.
80.08	Intersect N.and S.line,3 lks.N.of the cor.of secs. 3-4-9 and 10.
	Thence I run
	N.89°57'W.,on a truel ine
	bet.secs.4 and 9.
	Descend over broken and rocky land.
4.00	Bottom of hollow,150 ft.deep,course W.from course SW.
	Descend gradually along bottom of hollow.
8.00	Leave bottom of hollow,course SW.
	Ascend.
13.00	Top of spur projects SW.
	Descend.
17.00	Bottom of hollow,100 ft.deep,course SW.
	Ascend.
22.00	Top of spur projects S.
	Descend.
36.00	Bottom of hollow,100 ft.deep,course S.

SUBDIVISIONS OF T.10 S.,R.24 E.

CHAINS	
	Ascend.
40.04	Set a sandstone,16x8x5 ins.,11 ins.in the ground,for ¼ sec.cor.,marked ¼ on N.face;and raise a mound of stone,2 ft.base,1½ ft.high,N.of cor.
	Pits impracticable.
45.00	Top of spur projects S.
	Descend.
80.08	The cor.of secs.4-5-8 and 9.
	Land,mountainous.
	Soil;rocky,4th rate.
	No timber.
	Mountainous land on 80.08 chs.

	N.0°03'W.,on a random line bet.secs.4 and 5.
40.00	Set temp.¼ sec.cor.
80.29	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.,bet.secs.4 and 5.
	Descend over broken and rocky land.
4.00	Bottom of hollow,150 ft.deep,course SW.
	Ascend.
11.00	Top of spur projects SW.
	Descend.
20.00	Bottom of hollow,300 ft.deep,course SW.
	Ascend.
27.50	Top of spur projects SW.
	Descend.
32.00	Bottom of hollow,350 ft.deep,course SW.
	Ascend.
38.00	Top of ridge bears NE.and SW.
	Begin abrupt descent.
40.29	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.

SUBDIVISIONS OF T.10 S.,R.24 E.

CHAINS	
80.29	The cor.of secs.4-5-8 and 9.
	Land,mountainous.
	Soil;rocky,4th rate.
	No timber.
	Mountainous land on 80.29 chs.
	August 13,1904.

	August 14:At 7h 05m a.m.,l.m.t.,I set off 39°54'N.on the lat.arc;14°25'N.on the decl.arc;and determine a meridian with the solar at the standard cor.of secs.31 and 32,heretofore described,on the Second Standard Parallel South.
	Thence I run
	N.0°03'W.,bet.secs.31 and 32.
	Descend abruptly over rocky land.
9.00	Bottom of hollow,200 ft.deep,course W.
	Begin abrupt ascent.
36.50	Top of spur projects SW.
	Descend.
	Enter scattering cedar timer.
40.00	Set a sandstone,24x8x6 ins.,18 ins.in the ground,for ¼ sec.cor.,marked ¼ on W.face;from which
	A cedar,6 ins.diam.,bears N.28°W.,32 lks.dist., marked ¼ S 31 B T.
	A cedar,12 ins.diam.,bears N.25°E.,73 lks.dist., marked ¼ S 32 B T.
43.00	Bottom of hollow,100 ft.deep,course SW.
	Ascend.
47.00	Top of ridge bears E.and W.
	Descend abruptly over broken and rocky land.
80.00	Set a sandstone,28x12x4 ins.,21 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 cedar,4 ins.diam.,bears N.11°E.,96 lks.dist.,

CHAINS	
	marked T 10 S.,R 24 E S 29 B T.
	A cedar,5 ins.diam.,bears S.72°E.,1.98 chs.dist.,
	marked T 10 S R 24 E S 32 B T.
	A cedar,5 ins.diam.,bears S.50°W.,1.68 chs.dist.,
	marked T 10 S R 24 E S 31 B T.
	A cedar,5 ins.diam.,bears N.53°W.,94 lks.dist.,
	marked T 10 S R 24 E S 30 B T.
	Land,mountainous.
	Soil;rocky,4th rate.
	Timber,cedar.
	Mountainous land on 80.00 chs.

	East on a random line bet.secs.29 and 32.
40.00	Set temp.¼ sec.cor.
79.90	Intersect N.and S.line,12 lks.N.of the cor.of secs. 28-29-32 and 33.
	Thence I run
	N.89°55'W.,on a true line
	bet.secs.29 and 32.
	Ascend abruptly over rocky land through scattering cedar timber.
8.70	Top of ridge bears NW.and SE.
	Begin abrupt descent over broken and rocky land.
37.00	Bottom of hollow,200 ft.deep,course N.
	Begin abrupt ascent.
39.95	Set a sandstone,18x14x8 ins.,12 ins.in the ground,for ¼ sec.cor.,marked ¼ on N.face;from which
	A cedar,12 ins.diam.,bears N.36°W.,19 lks.dist.,
	marked ¼ S 29 B T.
	A cedar,10 ins.diam.,bears S.50°E.,1.23 chs.dist.,
	marked ¼ S 32 B T.
43.50	Top of rocky spur projects N.
	Begin abrupt descent.
60.50	Bottom of hollow,150 ft.deep,course NW.

SUBDIVISIONS OF T.10 S.,R.24 E.

CHAINS	
	Ascend.
71.00	Top of spur projects NW.
	Descend.
78.50	Bottom of hollow,100 ft.deep,course NW.
	Ascend.
79.90	The cor.of secs.29-30-31 and 32.
	Land,mountainous.
	Soil:rooky,4th rate.
	Timber,cedar.
	Mountainous land on 79.90 chs.
	August 14:At this cor.,I set off 14°20'N.on the decl. arc;and at 12 05m p.m.,l.m.t.,observe the sun on the meridian;the resulting lat.is 39°55'N.

	W.on a random line bet.secs.30 and 31.
40.00	Set temp.¼ sec.cor.
79.93	Intersect W.bdy.of the Tp.,5 lks.N.of the cor.of secs.25-30-31 and 36,heretofore described.
	Thence I run
	N.89°58'E.on a true line
	Bet.secs.30 and 31.
	Over level land in bottom of Asphalt Wash,course North,through dense greasewood brush.
7.50	Leave bottom of hollow,course N. Enter scattering cedars.
	Begin abrupt ascent over broken and rocky land.
	Leave dense undergrowth.
39.93	Set a sandstone,28x10x8 ins.,21 ins.in the ground, for ¼ sec.cor.,marked ¼ on N.face;from which
	A cedar,4 ins.diam.,bears N.21°W.,36 lks.dist., marked ¼ S 30 B T.
	A cedar,12 ins.diam.,bears S.13°E.,1.30 chs.dist., marked ¼ S 31 B T.
73.40	Top of ridge bears NE.and SW..
	Descend.
79.93	Cor.of secs.29-30-31 and 32.

SUBDIVISIONS OF T.10 S.,R.24 E.

CHAINS	
	Land,mountainous.
	Soil;rocky,4th rate.
	Timber,cedar.
	Mountainous land on 79.93 chs.

	N.0°03'W.,bet.secs.29 and 30.
	Descend over rocky land through scattering cedar timber.
1.50	Bottom of hollow,100 ft.deep,course NW.to NE.,at bend.
	Begin abrupt ascent.
11.00	Top of spur projects NE.
	Begin abrupt descent.
30.00	Bottom of hollow,200 ft.deep,course W.
	Begin abrupt ascent.
40.00	Aet a sandstone,24x14x5 ins.,18 ins.in the ground, for ¼ sec.cor.,marked ¼ on W.face;from which A cedar,6 ins.diam.,bears N.72°E.,62 lks.dist., marked ¼ S 29 B T. A cedar,4 ins.diam.,bears S.61°W.,63 lks.dist., marked ¼ S 30 B T.
46.50	Top of ridge bears E.and W.
	Begin abrupt descent.
51.50	Bottom of hollow,150 ft.deep,course W.
	Begin abrupt ascent.
72.00	Top of ridge bears NW.and SE.
	Begin abrupt descent.
80.00	Set a sandstone,24x10x5 ins.,18 ins.in the ground,for cor.of secs.19-20-29 and 30,marked with 2 notches on the S.and 5 notches on the E.edge;and raise a mound of stone,2 ft.base,1½ ft.high,W.of cor.
	Pits impracticable.
	Land,mountainous.
	Soil;rocky,4th rate.
	Timber,cedar.

SUBDIVISIONS OF T.10 S.,R.24 E.

CHAINS	
	Mountainous land on 80.00 chs.
	August 14,1904.

	August 15:At 7h 04m a.m.,l.m.t.,I set off 39°56'N.on the lat.arc;14°07"N. on the decl.arc;and determine a meridian with the solar at the cor.of secs.19-20-29 and 30.
	Thence I run
	S.89°55'E.on a random line bet.secs.20 and 29.
40.00	Set temp.¼ sec.cor.
79.80	Intersect N.and S.line,14 lks.S.of the cor.of secs.20-21-28 and 29.
	Thence I run
	S.89°59'W.,on a true line bet.secs.20 and 29.
	Descend abruptly over rocky land.
4.00	Bottom of hollow,100 ft.deep,course N.
	Ascend.
8.50	Top of spur projects N.
	Descend.
15.00	Bottom of hollow,200 ft.deep,course NE.
	Begin abrupt ascent.
33.30	Top of rocky ridge N.and S.
	Descend.
39.90	Set a sandstone,20x12x5 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.
41.00	Bottom of hollow,100 ft.deep,course N.
	Ascend.
47.00	Top of spur projects N.
	Descend.
	Enter scattering cedar timber.

SUBDIVISIONS OF T.10 S.,R.24 E.

CHAINS

67.00 Bottom of hollow,100 ft.deep,course NE.

Ascend.

Leave timber.

71.00 Top of ridge bears N.and S.

Begin abrupt descent.

74.00 Bottom of hollow,100 ft.deep,course NW.

Ascend.

78.50 Top of spur projects NW.

Descend.

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

Land,mountainous.

Soil:rocky,4th rate.

Timber:scattering cedars.

Mountainous land on 79.80 chs.

S.89°58'W.on a random line bet.secs.19 and 30.

40.00 Set temp.¼ sec.cor.

79.91 Intersect W.bdy.of the Tp.,9 lks.S.of the cor.of secs. 19-24-25 and 30,heretofore described.

Thence I run

S.89°58'E.on a true line

bet.secs.19 and 30.

In bottom of Asphalt Wash,course NW.,through dense greasewood brush.

7.00 Leave bottom of wash,course NW.

Leave dense undergrowth.

Begin abrupt ascent over rocky land.

34.00 Top of spur projects SW.

Descend.

39.75 Bottom of hollow,150 ft.deep,course SW.

Ascend.

Enter scattering cedar timber.

39.91 Set a sandstone,24x15x4 ins.,18 ins.in the ground,for ¼ sec.cor.,marked ¼ on N.face;from which

SUBDIVISIONS OF T.10 S.,R.24 E.

CHAINS	
	A cedar,6 ins.diam.,bears N.41°E.,56 lks.dist., marked ¼ S 19 B T.
	A cedar,10 ins.diam.,bears S.55°E.,79 lks.dist., marked ¼ S 30 B T.
57.50	Top of spur projects N.
	Descend.
65.00	Bottom of hollow,150 ft.deep,course NW.
	Ascend.
72.50	Top of spur projects NW.
	Descend.
	Leave timber.
78.00	Bottom of hollow,100 ft.deep,course NW.
	Begin abrupt ascent.
79.91	The cor.of secs.19-20-29 and 30.
	Land,mountainous.
	Soil;rocky,4th rate.
	Timber,cedar.
	Mountainous land on 79.91 chs.
	August 15:At this cor.,I set off 14°02'N.on the decl. arc;and at 12h 04m p.m.,l.m.t.,observe the sun on the meridian;the resulting lat.is 39°56'N.

N.0°03'W.,bet.secs.19 and 20.

Ascend abruptly over rocky land through scattering cedar timber.

2.00	Bottom of hollow,200 ft.deep,course W.
	Begin abrupt ascent.
4.65	Top of spur projects W.
	Begin abrupt descent.
8.00	Bottom of hollow,200 ft.deep,course W.
	Begin abrupt ascent.
15.65	Top of ridge bears E.and W.
	Descend.
20.50	Bottom of hollow,150 ft.deep,course NW.
	Ascend.

CHAINS	
29.00	Top of spur projects W.
	Begin abrupt descent.
40.00	Set a sandstone,20x10x6 ins.,15 ins.in the ground,for
	¼ sec.cor.,marked ¼ on W.face;from which
	A cedar,20 ins.diam.,bears S.8½°E.,24 lks.dist.,
	marked ¼ S 20 B T.
	A cedar,24 ins.diam.,bears N.45°W.,4 lks.dist.,
	marked ¼ S 19 B T.
53.00	Bottom of hollow,100 ft.deep,course NW.
	Ascend.
	Leave timber.
80.00	Set a sandstone,24x15x4 ins.,18 ins.in the ground,
	for cor.of secs.17-18-19 and 20,marked with 3 notches
	on the S.and 5 notches on the E.edge;and raise a mound
	of stone,2 ft.base,1½ ft.high,W.of cor.
	Pits impracticable.
	Land mountainous.
	Soil;rocky,4th rate.
	Timber,cedar.
	Mountainous land on 80.00 chs.

	N.89°59'E.on a random line bet.secs.17 and 20.
40.00	Set temp.¼ sec.cor.
79.98	Intersect N.and S.line,7 lks.S.of the cor.of secs.
	16-17-20 and 21.
	Thence I run
	S.89°56'W.,bet.secs.17 and 20.
	Descend over rocky land.
4.75	Bottom of hollow,150 ft.deep,course NW.
	Ascend.
39.99	Set a sandstone,30x15x5 ins.,22 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.

Chains.	
69.00	Begin abrupt ascent bearing N. and S.
77.15	Top of ridge bears N. and S.; descend.
79.98	The cor.of secs.17,18,19 and 20.
	Land mountainous.
	Soil rocky; 4th rate.
	No timber.
	Mountainous land 79.98 chs.

August 15,1904.

August 16: At 7 h. 04 m.a.m.l.m.t., I set off 39° 56'N.on the lat. arc; 13° 48'W.on the decl.arc;and determine a meridian with the solar at the cor.of secs.17,18,19, and 20. Thence I run

N.89°58'W.on a random line bet.secs.18 and 19

40.00	Set temp.¼ sec.cor.
79.84	Intersect W.bdy.of the Tp.. 14 lks.N.of the cor.of secs.13,18,19, and 24, heretofore described.
	Thence I run

N.89°56'E.on a true line bet.secs.18 and 19

	Descend over rocky land, through scattering cedar timber.
6.00	Bottom of hollow, 150 ft.deep,course N.
	Begin abrupt ascent.
39.84	Set a sandstone 24x12x5 ins.,18 ins.in the ground, for ¼ sec.cor.,marked ¼ on W.face; and raise a mound of stone 2 ft.base 1½ ft.high W.of cor.
	Pits impracticable.
44.00	Top of spur projects N. Descend.
73.50	Bottom of hollow 150 ft.deep,course N.; ascend.
	Leave timber.
79.84	The cor.of secs.17,18,19, and 20.
	Land mountainous.
	Soil rocky; 4th rate.

Chains.	
	Timber cedar
	Mountainous land on 79.84 chs.
	N.0°03'W.bet.secs.17 and 18;
	Ascend over rocky land.
1.00	Top of spur projects W.
	Descend.
17.00	Bottom of hollow, 100 ft.deep,course W.
	Ascend.
21.50	Top of spur projects W.
	Descend.
26.50	Bottom of hollow, 100 ft.deep, course W.
	Ascend.
37. 00	Top of spur projects NW.
	Descend.
40.00	Set a sandstone 18x15x4 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.
45.50	Head of hollow, course NW.
	Ascend.
49.75	Top of ridge bears NW. and SE.
	Begin abrupt descent.
80.00	Set a sandstone 36x10x6"ins., 27 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; 4th rate.
	No timber.
	Mountainous land on 80.00 chs.
	August 16: At this cor.I set off 13°43'N.on the decl.,

SUBDIVISIONS OF T.10 S.,R.24 E.

CHAINS	
	arc;and,at 12h 04m p.m.,l.m.t.,observe the sun on the meridian;the resulting lat.is 39°57'N.
	N.89°56'E.on a random line bet.secs.8 and 17.
40.00	Set temp.¼ sec.cor.
79.90	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 rocky and broken land.
6.00	Bottom of hollow,150 ft.deep,course S.
	Ascend.
29.00	Top of spur projects S.
	Descend.
39.95	Set a sandstone,14x8x5 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.
52.70	Right bank of White River,1.50 chs.wide,course N.
54.20	Left bank of White River.
	Over level bottom land through dense greasewood brush.
63.00	Leave bottom land,bearing N.and S.
	Leave dense greasewood brush. Ascend abruptly.
70.50	Top of spur projects N.
	Descend.
73.50	Bottom of hollow,100 ft.deep,course N.
	Ascend.
79.90	The cor.of secs.7-8-17 and 18.
	Land,mountainous and level.
	Soil;rocky,4th rate.
	No timber.
	Mountainous land or dense undergrowth on 79.90 chs.

SUBDIVISIONS OF T.10 S.,R.24 E.

CHAINS	
	S.89°56'W.on a random line bet.secs.7 and 18.
40.00	Set temp.¼ sec.cor.
79.76	Intersect W.bdy.of the Tp.,5 lks.N.of the cor.of secs. 7-12-13 and 18,heretofore described.
	Thence I run
	N.89°54'E.on a true line
	bet.secs.7 and 18.
	Ascend over rocky land.
9.50	Top of spur projects N.
	Begin abrupt descent.
11.80	Left bank of White River,1.10 chs.wide,course N.
12.90	Right bank of White River.
	Over level bottom land through dense greasewood brush.
13.25	Right bank of White River,0.90 chs.wide,course S.
14.15	Left bank of White River.
16.60	Left bank of White River,1.30 chs.wide,course NW.
17.90	Right bank of White River.
	Leave bottom land,and dense undergrowth.
	Ascend.
28.00	Top of spur projects S.
	Descend.
36.00	Enter marshy land along White River.
	Enter scattering cottonwood timber.
39.76	Point for ¼ sec.cor.,falls on impassable marsh land, and cannot be set.
42.00	Right bank of White River,1.30 chs.wide,course SW.
44.00	Left bank of White River.
	Set a sandstone,18x10x5 ins.,12 ins.in the ground, for witness cor.to ¼ sec.cor.,marked WC ¼ on N.face;from which
	A cottonwood,6 ins.diam.,bears N.89°E.,59 lks.dist. marked W C ¼ S 7 B T.
	A cottonwood,7 ins.diam.,bears S.64°E.,59 lks.dist.,

SUBDIVISIONS OF T.10 S.,R.24 E.

CHAINS	
	marked W C ¼ S 18 B T.
48.00	Leave bottom land,bearing NE.and SW.
	Ascend.over rocky land. Leave timber.
74.00	Top of spur projects N.
	Descend.
79.76	The cor.of secs.7-8-17 and 18.
	Land,mountainous.
	Soil:rocky,4th rate.
	Timber,cottonwood.
	Mountainous land or dense undergrowth on 79.76 chs.

August 16,1904.

August 17:At7h 04m a.m.,l.m.t.,I set off 39°57'N.on the lat.arc;13°29'N.on the decl.arc;and determine a meridian with the solar at the cor.of secs.7-8-17 and18.

Thence I run

N.0°03'W.,bet.secs.7 and 8.

	Descend over rocky land.
28.00	Left bank of White River,1.50 chs.wide,course W.
29.50	Right bank of White River.
	Ascend abruptly over rocky land.
34.00	Top of spur projects W.
	Descend.
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,½ ft.high,W.of cor.
	Pits impracticable.
43.00	Bottom of hollow,350 ft.deep,course W.
	Ascend .
50.00	Top of spur projects W.
	Descend.
55.00	Bottom of hollow,375 ft.deep,course SW.
	Ascend.
70.00	Begin abrupt ascent.

SUBDIVISIONS OF T.10 S.,R.24 E.

CHAINS	
75.00	Top of spur projects SW.
	Descend.
80.00	Set a sandstone,16x8x5 ins.,11 ins.in the ground,for cor.of secs.5-6-7 and 8,marked with 5 notches on the S. and E.edge;and raise a mound of stone,2 ft.base,1½ ft. high,W.of cor.
	Pits impracticable.
	Land,mountainous.
	Soil;rocky,4th rate.
	No timber.
	Mountainous land on 80.00 chs.

	S.89°59'E.on a random line bet.secs.5 and 8.
40.00	Set temp.¼ sec.cor.
79.90	Intersect N.and S.line,9 lks.N.of the cor.of secs. 4-5-8 and 9.
	Thence I run
	N.89°55'W.,on a true line
	bet.secs.5 and 8.
	Descend over rocky land.
6.00	Bottom of hollow,50 ft.deep,course SE.
	Ascend.
13.00	Top of ridge bears N.and S.
	Descend.
30.00	Bottom of hollow,100 ft.deep,course SE.
	Ascend.
39.95	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.
58.00	Top of ridge bears NE.and SW.
	Descend.
79.90	The cor.of secs.5-6-7 and 8.
	Land,mountainous.

CHAINS	
	Soil;rocky,4th rate.
	No timber.
	Mountainous land on 79.90 chs.
	August 17:At this cor.,I set off 13°24'N.on the decl. arc;and,at 12h 04m p.m.,l.m.t.,observe the sun on the meridian;the resulting lat.is 39°58'N.

	S.89°54'W.on a random line bet.secs.6 and 7.
40.00	Set temp.¼ sec.cor.
79.45	Intersect W.bdy.of the Tp.,5 lks.N.of the cor.of secs. 1-6-7 and 12,heretofore described.
	Thence I run
	N.89°52'E.on a true line
	bet.secs.6 and 7.
	Descend over broken and rocky land.
9.00	Bottom of gulch,400 ft.deep,course SW.
	Ascend abruptly over sandstone ledges.
36.00	Top of sandstone ledges bears NE.and SW.
	Ascend more gradually.
39.45	Set a sandstone,16x10x6 ins.,11 ins.in the ground,for ¼ sec.cor.,marked ¼ on N.face;and raise a mound of stone,2 ft.base,½ ft.high,N.of cor.
	Pits impracticable.
52.00	Top of ridge bears NE.and SW.
	Descend.
66.00	Bottom of gulch,400 ft.deep,course SW.
	Ascend.
79.45	The cor.of secs.5-6-7-8.
	Land,mountainous.
	Soil;rocky,4th rate.
	No timber.
	Mountainous land on 79.45 chs.

SUBDIVISIONS OF T.10 S.,R.24 E.

CHAINS	
	N.0°03'W.on a random line bet.secs.5 and 6.
40.00	Set temp.¼ sec.cor.
80.25	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°02'W.,on a true line
	bet.secs.5 and 6.
	Ascend over broken and rocky land.
2.00	Top of ridge bears NE.and SW.
	Wagon road from Rangely to Ouray Agency,bears NE.and SW.
	Descend.
15.00	Bottom of hollow,200 ft.deep,course SE.
	Ascend.
21.00	Top of spur projects SE.
	Descend.
27.00	Begin abrupt descent over sandstone ledges bearing W.and SE.
37.00	Bottom of gulch,300 ft.deep,course SE.
	Ascend.
40.25	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.
47.00	Top of spur projects E.
	Descend. "
76.00	Bottom of gulch,400 ft.deep,course SW.
	Ascend.
80.25	The cor.of secs.5-6-7 and 8.
	Landmountainous.
	Soil;rocky,4th rate.
	No timber.
	Mountainous land on 80.25 chs.

August 17,1904.

SUBDIVISIONS OF T.10 S.,R.24 E.

CHAINS

GENERAL DESCRIPTION.

This township is situated on White River,which runs through the northern portion.

The soil is sandstone formation and is cut by many deep hollows draining into White River.

This river runs through a gorge about 900 ft.lower in elevation than the highest portions of the township.

The only water in the township is in White River,and the general character of the country makes it impossible to utilize the water for agricultural purposes.

Scattering cottonwood timber is found only along White River;while in the southern half,a scattering growth of dwarf cedar timber is found.

There are no settlers found in this township.

The only mineral found in this township,are two gilsonite veins,the extensions of the UINTAH and WAGON MOUND LODES,passing through the following sections:

The UINTAH LODE,in secs.2 and 3.

The WAGON MOUND LODE,in sec.1.

I return sections 1,2,and 3 as mineral land.

Harvey M. Gleed,

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:

For final affidavits see book "Z[12]" T.12 S.R.24 E. ....., *Chainman.*

....., *Chainman.*

....., *Moundman.*

....., *Moundman.*

....., *Axman.*

....., *Axman.*

....., *Flagman.*

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted .....

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

.....

.....

.....

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

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

For preliminary affidavits see book "Z[12]" T.12 S.R.24 E. ....., *Chainman.*

....., *Chainman.*

....., *Moundman.*

....., *Moundman.*

....., *Axman.*

....., *Axman.*

....., *Flagman.*

.....

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

SEAL

.....

.....

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FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

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

For final affidavit see book "Z[12] " T.12 S.R.24 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 , May 27, 1905.

The foregoing field notes of the survey of the Subdivisional lines of Township No. 10 South, Range No. 24 East of the Salt Lake Base and Meridian, Utah;

executed by Alfredo R. Talamantes and Harvey D. Heist, U.S. Deputy Surveyors under [their] his contract No. 285, dated April 12, 1904; ~~xxx~~ , having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Edward M. Rudolph

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-325

V.

FIELD NOTES

OF THE SURVEY OF THE

SUBDIVISIONS

OF

TOWNSHIP No.9 SOUTH

RANGE No.24 EAST.

Of the SALT LAKE BASE AND *Meridian,*

IN THE STATE OF UTAH.

AS SURVEYED BY

ALFREDO R.TALAMANTES, &.Harvey D.Heist., *United States Deputy Surveyors*

Under their *Contract No.* 285., *dated* APRIL 12,1904., *189*

Survey commenced August 3,1904., *189*

Survey completed August 10,1904., *189*

6—151

FILED

AUG 31 1904

300K A-325

NAMES AND DUTIES OF ASSISTANTS.

JULIUS H.WHITE ..... CHAINMAN.

EGBERT WHITE, ... "

HOWARD M.HODGE, ... MOUNDMAN.

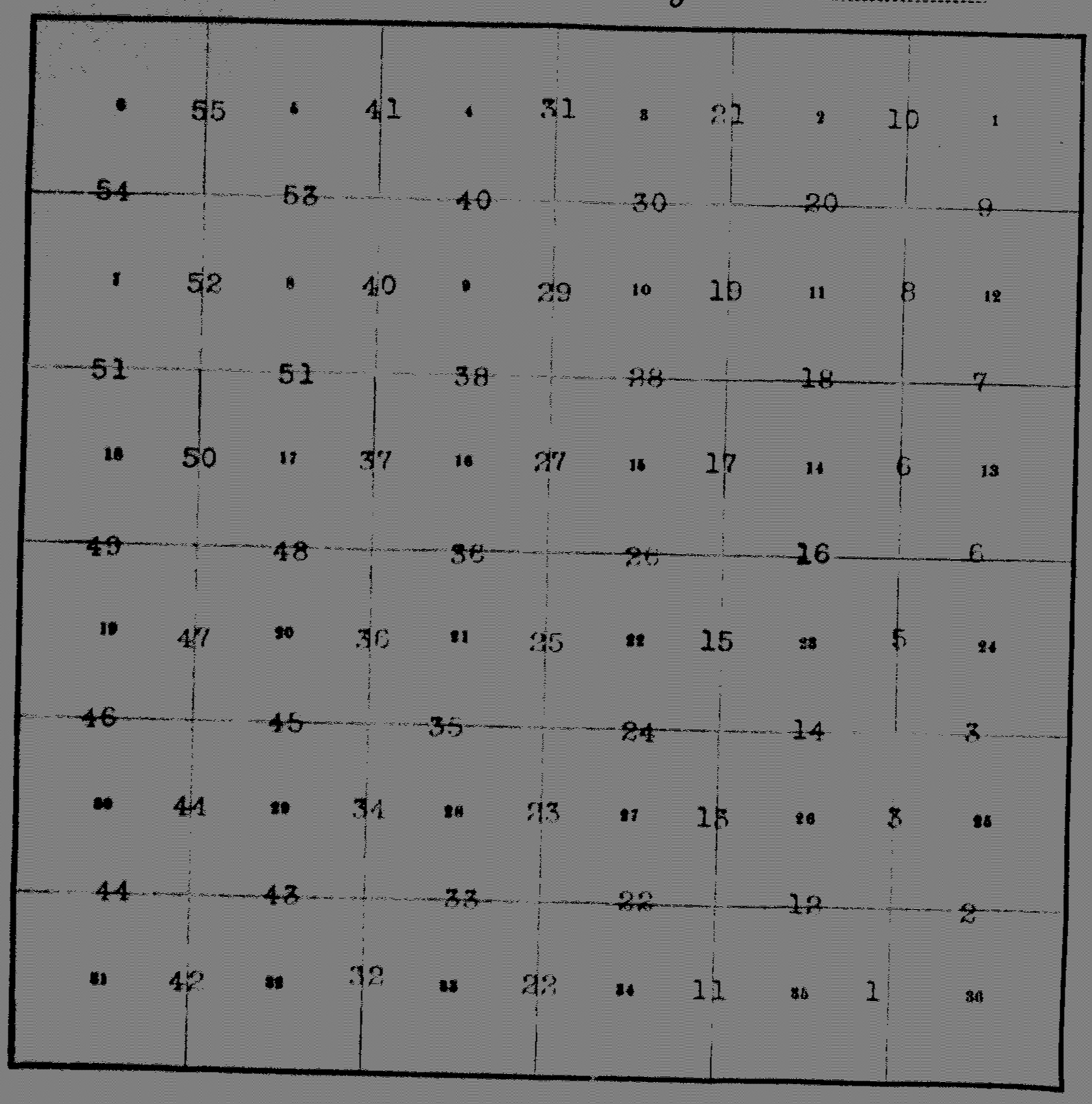
WILLIAM L.WHITE, ... FLAGMAN.

Volume
#
R0325

300K A-325

INDEX DIAGRAM.

Township 9 S., , *Range* 24 E.



Meanders Page

PRELIMINARY OATHS OF ASSISTANTS.

We, JULIUS H. WHITE and EGBERT WHITE

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.9 S.,R.24 E. of the Salt Lake Base and Meridian, Utah.

Julius H. White, Chainman.

Egbert White, Chainman.

Subscribed and sworn to before me this 3rd day of August, 1904. 189

E. T. Barker
Notary Public

SEAL

I
~~We~~, HOWARD M. HODGE, and

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

SUBDIVISIONS OF T.9 S.,R.24 E. of the Salt Lake Base and Meridian, Utah.

Howard M. Hodge, Moundman.

, Moundman.

Subscribed and sworn to before me this 3rd day of August, 1904. 189

E. T. Barker
Notary Public

SEAL

We, and

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

, Axman.

, Axman.

Subscribed and sworn to before me this day of 189

SEAL

I, WILLIAM L. WHITE, 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.9 S.,R.24 E. of the Salt Lake Base and Meridian, Utah.

William L. White, Flagman.

Subscribed and sworn to before me this 3rd day of August, 1904. 189

E. T. Barker
Notary Public

SEAL

SUBDIVISIONS OF T.9 S.,R.24 E.

CHAINS	
	Survey commenced August 3,1904,and executed with the instrument described in book "H" of this survey. I know the instrument to be in adjustment from recent. observations made July 31,1904,and recorded in book "6"of this survey.
	At 7h 06m a.m.,l.m.t.,I set off 39°59'N.on the lat. arc;17°54'N.on the decl.arc;and determine a meridian with the solar at the cor.of secs.1-2-35 and 36,here tofore described,on the S.bdy.of the township.
	Thence I run
	N.0°01'W.,bet.secs.35 and 36.
	Over broken land ascend abruptly through dense artemisia.
9.00	Top of ridge bears N.and SW.
	Ascend along top of ridge.
23.00	Junction of ridge,bearing E.and S.,and spur,projecting W.
	Descend.
29.30	A gilsonite vein,30 ins.wide,on the Wagon Hound Lode, bears NW.and SE.
	Hollow 300 ft.deep, course W. Ascend.
" 35.00	Top of spur projects W. Descend.
39.00	Bottom of hollow,200 ft.deep,course W.
	Ascend.
40.00	Set a sandstone,16x10x4 ins.,11 ins.in the ground, for ¼ sec.cor.,marked ¼ on W.face;and raise a mound of stone,2 ft.base,1½ ft.high,W.of cor.
	Pits impracticable.
51.00	Top of spur projects W.
	Descend.
56.00	Bottom of hollow,250 ft.deep,course SW.
	Ascend.
62.00	Top of spur projects W.
	Descend.

SUBDIVISIONS OF T.9 S.,R.24 E.

CHAINS	
70.00	Bottom of hollow,250 ft.deep,course W.
	Ascend.
79.00	Top of spur projects SW.
	Descend.
80.00	Set a sandstone,16x8x4 ins.,11 ins.in the ground,for cor.of se s.25-26-35 and 36,marked with 1 notch 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,4th rate. No timber.
	Mountainous land and dense undergrowth on 80.00 chs.
	S.89°56'E.on a random line bet.secs.25 and 36.
40.00	Set tem .¼ sec.cor.
79.78	Intersect E.bdy.of the Tp.14 lks.S.of the cor.of secs. 25-30-31 and 36,heretofore described.
	Thence I run
	S.89°58'W.on a true line
	bet.secs.25 and 36.
	Ascend abruptly over broken land through dense artemisia.
21.00	Top of ridge bears NE.and SW.
	Descend.
34.00	Bottom of hollow,250 ft.deep,course SW.
	Ascend.
39.89	Top of ridge bears NE.and SW.
	Set a sandstone,16x8x5 ins.,11.ins.in the ground,for ¼ sec.cor.,marked ¼ on N.face;and raise a mound of stone,2 ft.base,1½ ft.high,N.of cor.
	Pits impracticable.
	Descend.
42.00	Head of hollow,course NW.
	Ascend.
79.78	The cor.of secs.25-26-35 and 36.
	Land,mountainous.
	Soil;rocky,4th rate.
	No timber.

SUBDIVISIONS OF T.9 S.,R.24 E.

CHAINS	
	Mountainous land and dense undergrowth on 79.78 chs.

	N.0°01'W.,bet.secs.25 and 26.
	Descend over broken and rocky land through dense artemisia.
9.75	Bottom of hollow,250 ft.deep,course SW.
	Wagon Road from Dragon to Vernal bears NE.and SW.
30.50	Gilsonite vein,15 ins.wide,bears NW.and SE.
39.00	Top of ridge bears NE.and SW.
	Descend.
40.00	Set a sandstone,16x10x4 ins.,11 ins.in the ground,for ¼ sec.cor.,marked ¼ on E.face;and raise a mound of stone,3 ft.base,1½ ft.high,W.of cor.
	Pits impracticable.
58.90	A gilsonite vein,18 ins.wide,on extension of Chesetta Lode bears NE.and SE.
80.00	Set a sandstone,16x10x4 ins.,11 ins.in the ground,for cor.of secs.23-24-25 and 26,marked with 3 notches on the S.and 1 notch 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,4'n rvs.
	No timber.
	Mountainous land and dense undergrowth on 80.00 chs.

	N.89°58'E.on a random line bet.secs.24 and 25.
40.00	Set temp.¼ sec.cor.
79.76	Intersect E.bdy.of the Tp.,3 lks.S.of the cor.of secs. 19-24-25-30,heretofore described.
	Thence I run
	S.89°57'W.on a true line
	bet.secs.24 and 25.
	Ascend over mountainous land through dense artemisia.
2.00	Top of spur projects SW.

SUBDIVISIONS OF T.9 S.,R.24 E.

CHAINS	NOTES
	Descend
12.00	Bottom of hollow,50 ft.deep,course NW.to W.
	Descend along bottom of hollow.
20.80	A gilsonite vein,3 ft.wide,on the Blue Jay claim,Sur.No. 5197 ,Bonanza Lode,bears NW.and SE.
25.00	Leave bottom of hollow,course W.to NW.,50 ft.deep.
	From this point,a rock cabin,14x20 ft.,belonging to St.Louis Gilsonite Co.,bears South,4.25 chs.dist.
	From this point,a rock cabin,20x30 ft.,belonging to the St.Louis Gilsonite Co.,bears south,7.00 chs.dist.
28.00	Top of spur projects NW.
	Descend.
37.00	A gilsonite vein,3 ft.wide,on the Mary Mc. claim,Survey No.5196,Little Bonanza Lode,bears NW.and SE.
38.00	Bottom of hollow,75 ft.deep,course NW.
	Wagon Road from Dragon to Vernal,bears NW.and SE.
	Ascend.
39.88	Set a sandstone,15x10x4 ins.,10 ins.in the ground,for $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on N.face;and raise a mound of stone,2 ft.base,1½ ft.high,N.of cor.Pits impracticable.
	From the $\frac{1}{4}$ sec.cor.,U.S.L.M.,No.5,which is a sandstone, 15x15x8 ins.above ground,marked and witnessed as described by the surveyor general,bears N.51°40'W.28.00 chs.
43.00	Top of spur projects NW.
	Descend.
72.00	Bottom of hollow,50 ft.deep,course N.
	Ascend.
79.00	Top of spur projects N.
	Descend.
79.76	The cor.of secs.23-24-25 and 26.
	Land,mountainous.
	Soil:rocky,4th rate.
	No timber.
	Mountainous land and dense undergrowth on 79.76 chs.

SUBDIVISIONS OF T.9 S.,R.24 E.

CHAINS	
	Aug.3rd: At this cor.,I set off 17°29'N.on the decl.arc; and at 12h 06m p.m.,l.m.t.,observe the sun on the meridian;the resulting lat.is 40°01'N.
	N.0°01'W.,bet.secs.23 and 24.
	Descend over mountainous land through dense artemisia.
17.00	Wagon Road from Dragon to Vernal bears NW.and SE.
18.00	A gilsonite vein,3 ft.wide,on the Temperance Claim, Survey No.5196,Little Bonanza Lode,bears NW.and SE.
22.00	Bottom of hollow,75 ft.deep,course NW.
	Ascend.
29.56	A gilsonite vein,3 ft.wide,on the Rangely Bell Claim, Independent Lode,bears NW.and SE.
	From this point,a rock cabin,18x30 ft.,belonging toStLouis Gilsonite Co.,bears N.61°W.,18.75 chs.dist.
34.00	Top of spur projects NW.
	Descend.
40.00	Set a sandstone,16x8x5 ins.,11 ins.in the ground,for ¼ sec.cor.,marked ÷ on W.face;and raise a mound of stone,2 ft.base,1½ ft.high,W.of cor.Pits impracticable.
56.00	Hollow drains NW. .
61.00	Top of ridge bears NW.and SE.
	Descend.
70.00	Bottom of hollow,100 ft.deep,course E.
	Ascend.
74.00	Top of spur projects E.
	Descend.
80.00	Set a sandstone,16x12x4 ins.,11 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,1½ ft.high,W.of cor.
	Pits impracticable.
	Land,mountainous.
	Soil;rocky,4th rate.
	No timber.

SUBDIVISIONS OF T.9 S.,R.24 E.

CHAINS	
	Mountainous land and dense undergrowth on 80.00 chs.

	N.89°57'E.on a random line bet.secs.13 and 24.
40.00	Set temp.¼ sec.cor.
79.78	Intersect E.bdy.of the Tp.,12 lks.N.of the cor.of secs. 13-18-19 and 24,heretofore described.
	Thence I run
	N.89°58'W.,on a true line bet.secs.13 and 24.
	Ascend over mountainous land through dense artemisia.
5.00	Top of spur projects NW.
	Descend.
11.00	Bottom of hollow, 75 ft.deep, course SW.
	Ascend.
23.00	Top of spur projects SE.
	Descend.
31.00	Bottom of hollow,75 ft.deep,course NW.
	Ascend.
36.00	Top of spur projects NW.
	Descend.
39.89	Set a sandstone,16x11x8 ins.,11 ins.in the ground,for ¼ sec.cor.,marked ¼ on N.face;and raise a mound of stone,2 ft.base,1½ ft.high,N.of cor.
	Pits impracticable.
42.00	Bottom of hollow,75 ft.deep,course NW.
	Ascend.
79.78	The cor.of secs.13-14-23 and 24.
	Land,mountainous.
	Soil;rocky,4th rate.
	No timber.
	Mountainous land and dense undergrowth on 79.78 chs.

	N.0°01'W.,bet.secs.13 and 14.
	Descend over broken land through dense artemisia.

SUBDIVISIONS OF T.9 S.,R.24 E.

CHAINS	
33.50	Bottom of hollow,75 ft.deep,course NW. Ascend.
40.00	Set a sandstone,16x10x4 ins.,11 ins.in the ground,for ¼ sec.cor.,marked ¼ on W.face;and raise a mound of stone,2 ft.base,1½ ft.high,W.of cor.
	Pits impracticable.
44.00	Begin more abrupt ascent.
48.00	Top of ridge bears NW.and SE.
	Descend.
54.00	Bottom of hollow,150 ft.deep,course NW.
	Ascend.
61.00	Top of spur projects NW.
	Descend.
80.00	Set a sandstone,16x8x4 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.
	Land,mountainous.
	Soil:rocky,4th rate.
	No timber.
	Mountainous land and dense undergrowth on 80.00 chs.

	S.89°58'E.on a random line bet.secs.12 and 13.
40.00	Set temp.¼ sec.cor.
79.74	Intersect E.bdy.of the Tp.,5 lks.N.of the cor.of secs. 7-12-13 and 18,heretofore described.
	Thence I run
	N.89°56'W.on a true line
	bet.secs.12 and 13.
	Descend over broken and rocky land through dense artemisia.
6.00	Bottom of hollow,50 ft.deep,course NW.
	Ascend.
20.00	Top of spur projects NW.

SUBDIVISIONS OF T.9 S.,R.24 E.

CHAINS	
	Descend.
29.00	Bottom of hollow,75 ft.deep,course N.
	Ascend.
33.00	Top of spur projects N.
	Descend.
36.00	Bottom of hollow,50 ft.deep,course N.
	Ascend.
39.87	Set a sandstone,16x8x5 ins.,11 ins.in the ground,for ¼ sec.cor.,marked ¼ on N.face;and raise a mound of stone,2 ft.base,1½ ft.high,N.of cor.
	Pits impracticable.
60.00	Top of ridge bears NW.and SE.
	Descend.
75.00	Bottom of gulch,100 ft.deep,course NW.to W.
	Descend along bottom og gulch.
79.74	The cor.of secs.11-12-13 and 14.
	Land,mountainous.
	Soil:rocky,4th rate.
	No timber.
	Mountainous land and dense undergrowth on 79.74 chs.

	N.0°01'W.,bet.secs.11 and 12.
	Ascend over rocky land through dense artemisia.
5.50	Top of ridge bears NW.and SE.
	Descend.
40.00	Set a sandstone,14x12x4 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.
43.50	Bottom of hollow,75 ft.deep,course NW.
	Ascend.
56.00	Top of spur projects NW.
	Descend.
60.00	Bottom of hollow,50 ft.deep,course SW.

SUBDIVISIONS OF T.9 S.,R.24 E.

CHAINS	
	Ascend.
68.00	Top of ridge bears E.and W.
	Descend.
77.00	Bottom of hollow,50 ft.deep,course W.
	Ascend.
80.00	Set a sandstone,16x8x5 ins.,11 ins.in the ground,for cor.of secs.1-2-11 and 12,marked with 5 notches on the S.and 1 notch on the E.edge;and raise a mound of stone,2 ft.base,1½ ft.high,W.of cor.
	Pits impracticable.
	Land,mountainous.
	Soil;rocky,4th rate.
	No timber.
	Mountainous land and dense undergrowth on 80.00 chs.
	Aug.3rd,1904.

	Aug.4th:At 7h 06m a.m.,l.m.t.,I set off 40°03'N.on the lat.arc;17°18'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
	S.89°56'E.on a random line bet.secs.1 and 12.
40.00	Set temp.¼ sec.cor.
79.78	Intersect E.bdy.of the Tp.,7 lks.S.of the cor.of secs. 1-6-7 and 12,heretofore described.
	Thence I run
	N.89°59'W.,on a true line bet.secs.1 and 12.
	Descend over broken land through dense artemisia.
6.00	Bottom of hollow,50 ft.deep,course NW.
	Ascend.
10.00	Top of spur projects NW.
	Descend.
18.00	Bottom of hollow,40 ft.deep,course NW.

SUBDIVISIONS OF T.9 S.,R.24 E.

CHAINS	
	Ascend.
24.00	Top of spur projects N.
	Descend.
33.00	Bottom of hollow,50 ft.deep,course N.
	Ascend.
37.00	Top of spur projects N.
	Descend.
39.89	Set a sandstone,14x10x4 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.
40.10	Bottom of hollow,50 ft.deep,course N.
	Ascend.
55.00	Top of ridge bears NW.and SE.
	Descend.
66.65	A gilsonite vein,8½ ft.wide,on Cowboy lode, bears NW., and SE.
70.00	At bend of hollow,course NW.to SW.,50 ft.deep.
	Ascend.
79.78	The cor.of secs.1-2-11 and 12.
	Land,mountainous.
	Soil;rocky 4th rate.
	No timber.
	Mountainous land and dense undergrowth on 79.78 chs.

	N.0°01'W.on a random line bet.secs.1 and 2.
40.00	Set temp.¼ sec.cor.
78.17	Intersect N.bdy.of the Tp.,3 lks.E.of the cor.of secs. 1-2-35 and 36,heretofore described.
	Thence I run
	S.0°02'E.,on a true line
	bet.secs.1 and 2.
	Ascend over broken land through dense artemisia.
11.00	Top of ridge bears NW.and SE.
	Descend.

SUBDIVISIONS OF T.9 S.,R.24 E.

CHAINS	
33.17	Set a sandstone,16x12x4 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.
44.00	Bottom of hollow,50 ft.deep,course NW.
	Ascend gradually.
71.89	Top of spur projects SW.
	At junction of gilsonite vein,2½ ft.wide,on Cowboy lode bearing NW. and SE. , , ,
	with a gilsonite vein,2½ ft.wide,on Little Cowboy Lode, bearing NW.and SE.,on an angle of about 12° with the Cowboy Lode.
	Descend.
78.17	The cor.of secs.1-2-11 and 12.
	Land,mountainous.
	Soil;rocky,4th rate.
	No timber.
	Mountainous land and dense undergrowth on 78.17 chs.

10h a.m.,Aug.4th ,1904.

August4:At 2h 06m p.m.,l.m.t.,I set off 39°59'N.on the lat.arc;17°12'N.on the decl.arc;and determine a meridian with the solar at the cor.of secs.2-3-34 and 35,hereto fore described,on the S.bdy.of the Tp.

Thence I run

N.0°01'W.,bet.secs.34 and 35.

Ascend over rocky land through scattering cedar timber and dense artemisia.

4.50	Top of spur,100 ft.above sec.cor.,projects NW.
	Descend.
19.00	Bottom of gulch,800 ft.below top of spur,course E.
	Wagon road from Ouray to Rangely,bears E.and W.
	Ascend perpendicular cliffs and sandstone ledges.
40.00	Point for ¼ sec.cor.,falls on face of perpendicular

CHAINS	
	sandstone ledge,and cannot be set.
47.75	Top of sandstone spur,1000 ft.above bottom of gulch, projects E.
	Set a sandstone,20x8x4 ins.,15 ins.in the ground,for witness cor.to ¼ sec.cor.,marked WC ¼ on W.face;and raise a mound of stone,2 ft.base,1½ ft.high,W.of cor.
	Pits impracticable.
	Descend.
58.00	Bottom of gulch,300 ft.below top of spur,course SE.
	Ascend.
60.50	A gilsonite vein,24 ins.wide,on Wagon Hound Lode, bears NW.and SE.
68.50	Top of ridge,250 ft.above bottom of gulch,bears E.and W.
	Descend.
71.00	Bottom of gulch,200 ft.below top of ridge,course W.
	Ascend.
76.50	Top of spur,200 ft.above bottom of gulch,projects NW.
	Descend.
80.00	Set a sandstone,14x8x6 ins.,9 ins.in the ground,for cor.of secs.26-27-34 and 35,marked with 2 notches on the E.and 1 notch on the S.edge;and raise a mound of stone,2 ft.base,1½ ft.high,W.of cor.
	Pits impracticable.
	Land,mountainous.
	Soil;rocky,4th rate.
	No timber.
	Mountainous land or dense undergrowth on 80.00 chs.

	S.89°56'E.on a random line bet.secs.26 and 35.
40.00	Set temp.¼ sec.cor.
79.80	Intersect N.and S.line,5 lks.E.of the cor.of secs. 25-26-35 and 36.
	Thence I run N.89°58'W.on a true line bet.secs.26 and 35.

SUBDIVISIONS OF T.9 S.,R.24 E.

CHAINS	
	Descend over rocky land through dense artemisia.
17.00	Bottom of hollow,200 ft.deep,course SW.
	Wagon road from Dragon to Vernal,bears NE.and SW.
	Ascend.
39.90	Top of ridge bears N.and S.
	Set a sandstone,16x9x5 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. Descend over broken land.
78.50	Gulch, 30 ft.deep, drains NW.
79.80	The cor.of secs.26-27-34 and 35.
	Land,mountainous.
	Soil:rocky,4th rate.
	No timber.
	Mountainous land and dense underbrowth on 79.80 chs.

N.0°01'W.,bet.secs.26 and 27.

	Descend over mountainous land through dense artemisia.
0.50	Bottom of ravine,30 ft.below sec.cor.,course NW.to W.
	Ascend.
3.50	Top of ridge bears N.and W.
	Descend.
19.00	Bottom of Gulch,200 ft.below top of ridge,course NW.
	Ascend.
25.00	Top of spur,100 ft.above bottom of gulch,projects W.
	Descend.
28.50	Bottom of Gulch,50 ft.below top of spur,course NW.to N.
	Descend along bottom og gulch.
40.00	Set a sandstone,20x8x4 ins.,15 ins.in the ground,for ¼ sec.cor.,marked ¼ on W.face;dig pits,18x18x12 ins., N.and S.of stone,3 ft.dist.;and raise a mound of eart,3½ ft.base,1½ ft.high,W.of cor.
52.00	Leave bottom of gulch,course N.to NW.
	Ascend.

CHAINS	
66.00	Top of spur,400 ft.above bottom of gulch,projects W.
	Descend.
73.00	Bottom of swale,50 ft.deep,course SW.
	Wagon road from Ouray to Vernal,bears NE.and SW.
77.00	Top of ridge bears E.and W.
	Descend.
80.00	Set a sandstone,18x8x6 ins.,12 ins.in the ground,for cor.of secs.22-23-26 and 27,marked with 2 notches on the S.and E.edges;and raise a mound of stone,2 ft.base, $1\frac{1}{2}$ ft.high,W.of cor.
	Pits impracticable.
	Land,mountainous.
	Soil;rocky,and sandy,4th rate.
	No timber.
	Mountainous land and dense undergrowth on 80.00 chs.

Aug.4, 1904.

Aug.5th; At 7h06m a.m., l.m.t., I set off 40°01'N.on the lat.arc;17°02'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

S.89°58'E.on a random line bet.secs.23 and 26.

40.00	Set temp.$\frac{1}{4}$ sec.cor.
79.76	Intersect N.and S.line,7 lks.S.of the cor.of secs. 23-24-25 and 26.

Thence I run

S.89°59'W.,on a true line

bet.secs.23 and 26.

Descend over mountainous land through dense artemisia.

12.75	Bottom of hollow,100 ft.deep,course N.
	Ascend.
38.00	Top of ridge bears N.and S.
	Descend.
39.88	Set a sandstone,16x10x4 ins.,11 ins.in the ground,

SUBDIVISIONS OF T.9 S.,R.24 E.

LINKS	
	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.
49.00	Bottom of hollow,75 ft.deep,course N.
	Ascend.
63.00	Wagon road from Rangely to Vernal,bears NE.and SW.
79.76	The cor.of secs.22-23-26 and 27.
	Land,mountainous .
	Soil;rocky,4th rate.
	No timber.
	Mountainous land and dense undergrowth on 79.76 chs.

	N.0°01'W.,bet.secs.22 and 23.
	Descend over mountainous land through dense artemisia.
11.50	Bottom of gulch,150 ft.below sec.cor.,course NW.
	Ascend.
13.50	Top of spur,50 ft.above bottom of gulch,projects W.
	Descend.
29.50	Bottom of swale,50 ft.below top of spur,course W.
	Ascend.
38.75	Top of spur,300 ft.above bottom of swale,projects W.
	Descend.
40.00	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.
45.20	Bottom of ravine,200 ft.below top of spur,course W.
	Ascend.
48.90	Top of ridge bears E.and W.
	Descend.
69.30	Gilsonite Vein,8 ft.wide,on Break Of Day Claim,Survey No.5220,Independent Lode,bears NW.and SE.
80.00	Set a sandstone,20x8x6 ins.,15 ins.in the ground,for cor.of secs.14-15-22 and 23,marked with 3 notches on

SUBDIVISIONS OF T.9 S.,R.24 E.

CHAINS	
	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,4th rate.
	No timber.
	Mountainous land and dense undergrowth on 80.00 chs.

	N.89°59'E.on a random line bet.secs.14 and 23.
40.00	Set temp.¼ sec.cor.
79.78	Intersect N.and S.line,3 lks.S.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.
	Ascend over mountainous land through dense artemisia.
8.00	Top of spur projects NW.
	Descend.
30.00	Bottom of hollow,75 ft.deep,course N.
	Ascend.
33.00	Wagon road from Dragon to Vernal,bears N.and S.
39.89	Set a sandstone,16x10x5 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.
54.00	Top of ridge bears N.and S.
	Descend.
79.00	Bottom of ravine,50 ft.deep,course NW.
	Ascend.
79.78	The cor.of secs.14-15-22 and 23.
	Land,mountainous.
	Soil;rocky,4th rate.
	No timber.
	Mountainous land and dense undergrowth on 79.78 chs.

SUBDIVISIONS OF T.9 S.,R.24 E.

CHAINS	
	N.0°01'W.,bet.secs.14 and 15.
	Descend over rough and broken mountainous land,through dense artemisia.
0.25	Bottom of ravine,30 ft.deep,course NW.
	Ascend.
12.50	Top of spur projects NW.
	Descend.
21.00	Bottom of gulch,50 ft.deep,course SW.
	Ascend.
24.00	Top of spur projects W.
	Descend.
36.00	Bottom of ravine,100 ft.deep,course SW.
	Ascend.
39.00	Top of ridge bears E.and W.
	Descend.
40.00	Set a sandstone,18x9x5 ins.,12 ins.in the ground,for ¼ sec.cor.,marked ¼ on W.face;and raise a mound of stone,2 ft.base,1½ ft.high,W.of cor.
	Pits impracticable.
53.00	Bottom of ravine,75 ft.deep,course W.
	Ascend.
65.00	Top of ridge bears E.and W.
	Descend.
80.00	Set a sandstone,16x10x5 ins.,11 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 and sandy;4th rate.
	No timber.
	Mountainous land and dense undergrowth on 80.00 chs.
	Aug.5th:At this cor.,I set off 16°58'N.on the decl.arc; and at 12 h 06 m p.m.,l.m.t.,observe the sun on the

SUBDIVISIONS OF T.9 S.,R.24 E.

CHAINS	
	meridian;the resulting lat.is 40°03'N.

	N.89°58'E.on a random line bet.secs.11 and 14.
40.00	Set temp.¼ sec.cor.
79.82	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 along bottom of gulch through dense artemisia.
4.00	Leave bottom of gulch,course W.to SW.
	Ascend.
10.00	Top of spur projects S.
	Descend.
21.00	Bottom of hollow,75 ft.deep,course SW.
	Ascend.
30.00	Top of spur projects S.
	Descend.
39.91	Set a sandstone,16x8x5 ims.,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.
45.00	Bottom of gulch,150 ft.deep,course NW.
	Ascend.
52.00	Top of spur projects N.
	Descend.
57.00	Bottom of hollow,50 ft.deep,course N.
	Wagon road from Dragon to Vernal bears N.and S.
	Ascend.
64.00	Top of spur projects NE.
	Descend.
71.00	Head of hollow,course NE.
	Ascend.
79.82	The cor.of secs.10-11-14 and 15.
	Land,mountainous.

CHAINS	
	Soil;rocky,4th rate.
	No timber.
	Mountainous land and dense undergrowth on 79.82 chs.

	N.0°01'W.,bet.secs.10 and 11.
	Descend over rough country through dense artemisia..
8.00	Bottom of gulch,100 ft.deep,course NW.
	Ascend.
13.00	Top of spur projects W.
	Descend.
24.00	Bottom of gulch,100 ft.deep,course NW.
	Ascend.
25.50	Top of ridge bears E.and W.
	Descend.
40.00	Set a sandstone,18x12x5 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.
60.00	Bottom of gulch,100 ft.deep,course NW.
	Ascend.
66.00	Top of spur projects W.
	Descend.
68.00	Bottom of ravine,150 ft.deep,course W.
	Ascend.
73.00	Top of spur projects W.
	Descend.
77.00	Bottom of ravine,100 ft.deep,course NW.
	Ascend.
79.00	Top of spur projects W.
	Descend.
80.00	Set a sandstone,24x7x5 ins.,18 ins.in the ground,for cor.of secs.2-3-10 and 11,marked with 5 notches on the S.and 2 notches on the E.edge;and raise a mound of stone,2 ft.base,1½ ft.high,W.of cor.

SUBDIVISIONS OF T.9 S.,R.24 E.

CHAINS	
	Pits impracticable.
	Land,mountainous.
	Soil;rocky,4th rate.
	No timber.
	Mountainous land and dense undergrowth on 80.00 chs.

	S.89°58'E.on a random line bet.secs.2 and 11.
40.00	Set temp.¼ sec.cor.
79.78	Intersect N.and S.line,6 lks.S.of the cor.of secs. 1-2-11 and 12.
	Thence I run
	S.89°59'W.,on a true line
	bet.secs.2 and 11.
	Ascend over broken and rocky land through dense artemisia.
7.00	Top of spur projects SW.
	Descend.
16.00	Bottom of hollow,50 ft.deep,course N.
	Ascend.
21.00	Top of spur projects N.
	Descend.
32.00	Bottom of hollow,50 ft.deep,course N.
	Ascend.
39.89	On top of spur projecting N.
	Set a sandstone,16x8x4 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. Descend.
47.00	Wagon road from Dragon to Vernal bears N.and S.
48.00	Bottom of hollow,250 ft.deep,course N.
	Ascend.
79.78	The cor.of secs.2-3-10 and 11.
	Land,mountainous.
	Soil;rocky 4th rate.
	No timber.

SUBDIVISIONS OF T.9 S.,R.24 E.

Mountainous land and dense undergrowth on 79.78 chs.

N.0°01'W.on a random line bet.secs.2 and 3.

40.00 Set temp.¼ sec.cor.

78.18 Intersect N.bdy.of Tp.,16 lks.W.of the cor.of secs. 2-3-34 and 35,heretofore described.

Thence I run

S.0°06'W.on a true line

bet.secs.2 and 3.

Descend over rough broken country through dense artemisia.

38.18 Gilsonite vein,3 ft.wide,on Cowboy lode,bears NW.and SE.

From this point,a cabin,21x52 ft.,called Camp No.2, belonging to St.Louis Gilsonite Co.,bears S.67°50'E., 22.10 chs.dist.

Set a sandstone,20x10x5 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.

43.44 Bottom of hollow,50 ft.deep,course W.,1000 ft.below sec. cor.

63.50 Top of spur projects W.,500 ft.above bottom of hollow.

Descend.

63.50 Bottom of ravine,50 ft.deep,course W.

Ascend.

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

Land,mountainous.

Soil;rocky,4th rate.

No timber.

Mountainous land and dense undergrowth on 78.18 chs.

Aug5th ,1904.

SUBDIVISIONS OF T.9 S.,R.24 E.

CHAINS	
	Aug.6th:At 7h 05m a.m.,l.m.t.,I set off 39°59'N.on the lat.arc;16°45'N.on the decl.arc;and determine a meridian with the solar at the cor.of secs.3-4-33 and 34,hereto fore described,on the S.bdy.of the Tp.
	Thence I run
	N.0°02'W.,bet.secs.33 and 34.
4.00	Wagon road from Ouray to Rangely,bears NW.and SE.
13.81	Gilsonite vein,2 ft.wide,on Uintah Lode,Atlanta Claim, bears NW.and SE.
22.00	Bottom of gulch,100 ft.deep,course NW.
	Ascend.
30.00	Top of spur projects W.
	Descend.
35.80	Bottom of gulch,200 ft.below top of spur,course W.
	Ascend.
40.00	Set a sandstone,20x8x6 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.
61.00	Top of ridge bears E.and W.
	Descend.
74.50	Wagon road from Ouray to Vernal bears E.and W.
80.00	Set a sandstone,18x6x6 ins.,12 ins.in the ground,for cor.of secs.27-28-33 and 34,marked with 1 notch on the S.and 3 notches on the E.edge;and raise a mound of stone,2 ft.base,1½ ft.high,W.of cor.
	Pits impracticable.
	Land,mountainous.
	Soil;rocky,4th rate.
	No timber.
	Mountainous land and dense undergrowth on 80.00 chs.

	S.89°56'E.on a random line bet.secs.27 and 34.
40.00	Set temp.¼ sec.cor.

SUBDIVISIONS OF T.9 S.,R.24E.

CHAINS	
79.80	Intersect N.and S.line,5 lks.S.of the cor.of secs. 26-27-34 and 35.
	Thence I run
	N.89°57'W.,on a true line
	bet.secs.27 and 34.
	Descend over mountainous land through dense artemisia.
2.50	Bottom of gulch,30 ft.below sec.cor.,course SW.
	Ascend.
18.00	Top of spur projects S.
	Descend.
28.00	Gilsonite vein,2 ft.wide,on Wagon Hound Lode,bears NW.and SE.
33.00	Bottom of gulch,300 ft.below top of spur,course NW.
	Ascend.
39.80	Wagon road from Ouray to Vernal,bears NW.and SE.
39.90	Set a sandstone,18x8x6 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.
67.00	Top of ridge bears N.and S.
	Descend.
78.50	Bottom of ravine,75 ft.deep,course NW.
	Ascend.
79.80	The cor.of secs.27-28-33 and 34.
	Land,mountainous.
	Soil;rocky and sandy,4th rate.
	No timber.
	Mountainous land and dense undergrowth on 79.80 chs.

N.0°02'W.,bet.secs.27 and 28.

Descend over mountainous land through dense artemisia.

1.00	Bottom of ravine,20 ft.below sec.cor.,course NW.
	Ascend.
15.00	Top of spur projects W.

SUBDIVISIONS OF T.9 S.,R.24 E.

CHAINS	
	Descend.
26.30	Gilsonite vein,2 ft.wide,on Wagon Hound Lode bears NW.&SE.
33.00	Bottom of gulch,300 ft.below top of spur,course NW.
	Ascend.
40.00	Set a sandstone,18x12x6 ins.,12 ins.in the ground,for ¼ sec.cor.,marked ¼ on W.face;and raise a mound of stone, 2 ft.base,1½ ft.high,W.of cor.
	Pits impracticable.
48.00	Top of ridge bears E.and W.
	Descend.
80.00	Set a sandstone,18x9x8 ins.,12 ins.in the ground,for cor.of secs.21-22-27 and 28,marked with 2 notches on the S.and 3 notches on the E.edge;and raise a mound of stone,2 ft.base,1½ ft.high,W.of cor.
	Pits impracticable.
	Land,mountainous.
	Soil;rocky and stony,4th rate.
	No timber.
	Mountainous land and dense undergrowth on 80.00 chs.

	S.89°57'E.on a random line bet.secs.22 and 27.
40.00	Set temp.¼ sec.cor.
79.80	Intersect N.and S.line,5 lks.N.of the cor.of secs. 22-23-26 and 27.
	Thence I run
	N.89°55'W.,on true line
	bet.secs.22 and 27.
	Ascend over rough mountainous land through dense artemisia.
7.00	Top of ridge bears N.W.and SE.
	Descend.
13.00	Head of hollow,course SW.
	Ascend.
24.00	Top of spur projects SE.
	Descend.

SUBDIVISIONS OF T.9 S. R.24 E.

CHAINS	
39.90	Set a sandstone,14x8x6 ins.,9 ins.in the ground,for ¼ sec.cor.,marked ¼ on N.face;and raise a mound of stone, 2 ft.base,1½ ft.high,N.of cor.
	Pits impracticable.
40.10	Bottom of gulch,300 ft.below top of ridge,course NW.
	Ascend.
68.00	Top of spur projects N.
	Descend.
76.00	Bottom of hollow,200 ft.deep,course N.
	Ascend.
79.80	The cor.of secs.21-22-27 and 28.
	Land,mountainous.
	Soil;rocky,4th rate.
	No timber.
	Mountainous land and dense undergrowth on 79.80 chs.
	Aug.6th:At this cor.,I set off 16°41'N.on the decl. arc;and at 12h 05m p.m.,l.m.t.,observe the sun on the meridian;the resulting lat.is 40°01'N.

	N.0°02'W.,bet.secs.21 and 22.
	Descend over rocky and broken land through dense artemisia.
15.50	Bottom of ravine,100 ft.deep,course NW.
	Ascend.
17.50	Top of spur projects W.
	Descend.
24.00	Bottom of ravine,75 ft.deep,course W.
	Ascend.
29.50	Top of spur projects W.
	Descend.
33.00	Bottom of ravine,75 ft.deep,course SW.
	Ascend.
37.50	Top of spur projects W.
	Descend.

SUBDIVISIONS OF T.9 S.,R.24 E.

CHAINS	
40.00	Set a sandstone,18x9x8 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.
60.00	Bottom of gulch,300 ft.below top of spur,course NW.
	Ascend.
62.50	Top of ridge bears E.and W.
	Descend.
75.50	Bottom of gulch,100 ft.deep,course NW.
	Ascend.
80.00	Set a sandstone,20x8x8 ins.,15 ins.in the ground,for cor.of secs.15-16-21 and 22,marked 9 S.on NE.,and 24 E on SE.face;with 3 notches on the S.and E.edges; and raise a mound of stone,2 ft.base,1½ ft.high,W.of cor.
	Pits impracticable.
	Land,mountainous.
	Soil;rocky,4th rate.
	No timber.
	Mountainous land and dense undergrowth on 80.00 chs.

	S.89°55'E.on a random line bet.secs.15 and 22.
40.00	Set temp.¼ sec.cor.
79.78	Intersect N.and S.line,12 lks.S.of the cor.of secs.14-15-22 and 23.
	Thence I run
	West,on a true line
	bet.secs.15 and 22.
	Ascend over mountainous land through dense artemisia.
12.20	Gilsonite vein,3 ft.wide,on Break of Day Claim,Survey No.5220,Independent Lode,bears NW.and SE.
18.00	Top of spur projects N.
	Descend.
39.89	Set a sandstone,20x8x5 ins.,15 ins.in the ground,for ¼ sec.cor.,marked ¼ on N.face;and raise a mound of

SUBDIVISIONS OF T.9 S.,R.24 E.

CHAINS	
	stone, 2 ft. base, 1½ ft. high, N. of cor.
43.00	Bottom of gulch,300 ft.below top of spur,course NW.
	Ascend.
74.00	Top of ridge bears NW.and S.
	Descend.
79.78	The cor.of secs.15-16-21 and 22.
	Land,mountainous.
	Soil:rocky,4th rate.
	No timber.
	Mountainous land and dense undergrowth on 79,78 chs.

N.0°02'W.,bet.secs.15 and 16.

Ascend over rough mountainous land through dense artemisia.

5.00	Top of spur projects NW.
	Descend.
6.94	Gilsonite vein,2 ft. wide,course NW.and SE.
21.00	Bottom of gulch,300 ft.below top of spur,course NW.
	Ascend.
32.00	Top of spur projects W.
	Descend.
37.95	Gilsonite vein,3 ft.wide,on extension of Independent Lode,bears NW.and SE.
40.00	Set a sandstone,20x8x4 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.
49.50	Bottom of gulch,300 ft.below top of spur,course W.
	Ascend.
52.00	Top of ridge bears E.and W.
	Descend.
80.00	Set a sandstone,20x10x8 ins.,15 ins.in the ground,for cor.of secs.9-10-15 and 16,marked with 4 notches on the S.and 3 notches on the E.edge;and raise a mound of

SUBDIVISIONS OF T.9 S.,R.24 E.

CHAINS	
	stone,2 ft.base,1½ ft.high,W.of cor.
	Pits impracticable.
	Land,mountainous.
	Soil:rocky,4th rate.
	No timber.
	Mountainous land and dense undergrowth on 80.00 chs.

	E.on a random line bet.secs.10 and 15.
40.00	Set trem.¼ sec.cor.
79.76	Intersect N.and S.line,18 lks.N.of the cor.of secs.
	10-11-14 and 15.
	Thence I run
	N.89°52'W.,on a true line
	bet.secs.10 and 15.
	Ascend over mountainous land through dense artemisia.
4.50	Top of ridge bears NE.and SW.
	Descend.
7.25	Bottom of ravine,50 ft.deep,course SW.
	Ascend.
9.00	Top of spur projects SW.
	Descend.
13.00	Bottom of ravine,50 ft.deep,course SW.
	Ascend.
15.50	Top of spur projects SW.
	Descend.
17.00	Bottom of hollow,30 ft.deep,course SW.
	Ascend.
19.00	Top of spur projects SW.
	Descend.
23.75	Bottom of hollow,150 ft.below top of spur,course NW.
	Ascend.
39.44	Set a sandstone,16x9x5 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.

SUBDIVISIONS OF T.9 S.,R.24 E.

CHAINS	
	Pits impracticable.
66.00	Top of spur projects NE.
	Descend.
69.00	Bottom of ravine,50 ft.deep,course N.
	Ascend.
74.00	Top of spur projects N.
	Descend.
78.00	Bottom of ravine,50 ft.deep,course N.
	Ascend.
79.76	The cor.of secs.9-10-15 and 16.
	Land,mountainous.
	Soil;rocky,4th rate.
	No timber.
	Mountainous land and dense undergrowth on 79.76 chs.

August 6,1904.

August 7:At 7h 05m a.m.,l.m.t.,I set off 40°03'N.on the lat.arc;16°29'N.on the decl.arc;and determine a meridian with the solar at the cor.of secs.9-10-15 and 16.

Thence I run

N.0°02'W.,bet.secs.9 and 10.

	Descend over rough broken country through dense artemisia.
15.50	Bottom of gulch,200 ft.below sec.cor.,course NE.
	Ascend.
29.75	Top of spur projects E.
	Descend.
31.50	Bottom of ravine,100 ft.deep,course E.
	Ascend.
38.75	Top of spur projects E.
	Descend.
40.00	Set a sandstone,20x8x5 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.

SUBDIVISIONS OF T.9 S.,R.24 E.

CHAINS	
	Pits impracticable.
50.50	Bottom of ravine,100 ft.deep,course NE.
	Ascend.
58.00	Top of spur projects E.
	Descend.
67.00	Bottom of hollow,300 ft.below top of spur,course W.
	Ascend.
69.30	Top of spur,300 ft.above bottom of hollow,projects W.
	Descend.
80.00	Set a sandstone,16x10x3 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,3 ft.base,1½ ft.high,W.of cor.
	Pits impracticable.
	Land,mountainous.
	Soil:rocky,4th rate.
	No timber.
	Mountainous land and dense undergrowth on 80.00 chs.

	S.89°52'E.on a random line bet.secs.3 and 10.
40.00	Set temp.¼ sec.cor.
79.88	Intersect N.and S.line,14 lks.S.of the cor.of secs. 2-3-10 and 11.
	Thence I run
	N.89°58'W.,on a true line
	bet.secs.3 and 10.
	Descend over rough mountainous land through dense artemisia.
18.50	Bottom of gulch,500 ft.below sec.cor.,course NW.
	Ascend.
31.00	Top of spur projects N.
	Descend.
39.94	Set a sandstone,18x8x6 ins.,12 ins.in the ground,for ¼ sec.cor.,marked ¼ on N.face;and raise a mound of

SUBDIVISIONS of T.9 S.,R.24 E.

CHAINS	
	stone,2 ft.base,1½ ft.high,N.of cor.
	Pits impracticable.
52.00	Bottom of hollow,300 ft.below top of ridge,course SW.
	Ascend.
75.00	Top of ridge bears NE.and S.
	Descend.
79.88	The cor.of secs.3-4-9 and 10.
	Land,mountainous..
	Soil;rocky,4th rate.
	No timber.
	Mountainous land and dense undergrowth on 79.88 chs.

	N.0°02'W.on a random line bet.secs.3 and 4.
40.00	Set temp.¼ sec.cor.
78.19	Intersect N.bdy.of the Tp.,5 lks.W.of the cor.of secs. 3-4-33 and 34,heretofore described.
	Thence I run
	South,on a true line
	bet.secs.3 and 4.
	Descend over rough and broken land through dense artemisia.
2.05	Gilsonite vein,18 ins.wide,on extension of Cowboy Lode, bears NW.and SE.
6.50	Bottom of ravine,100 ft.below sec.cor.,course SW.
	Ascend.
15.00	Top of spur projects W.
	Descend.
35.00	Bottom of ravine,75 ft.deep,course SW.
	Ascend.
38.19	Set a sandstone,20x8x6 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.
42.00	Top of spur projects W.

SUBDIVISIONS OF T.9 S.,R.24 E.

CHAINS	
	Descend.
46.00	Bottom of ravine,50 ft.deep,course SW.
	Ascend.
50.00	Top of spur projects W.
	Descend.
53.50	Bottom of ravine,150 ft.deep,course SW.
	Ascend.
65.75	Top of spur projects W.
	Descend.
68.00	Bottom of ravine,150 ft.below top of spur,course W.
	Ascend.
78.19	The cor.of secs.3-4-9 and 10.
	Land,mountainous.
	Soil;rocky,4th rate.
	No timber.
	Mountainous land and dense undergrowth on 78.19 chs.

11h a.m.,Aug.7,1904.

Aug.7:At 2h 06m p.m.,l.m.t.,I set off 39°59'N.on the lat.arc;16°24'N.on the decl.arc;and determine a meridian with the solar at the cor.of secs.4-5-32 and 33,heretofore described on the S.bdy.of the Tp.

Thence I run

N.0°03'W.,bet.secs.32 and 33.

	Descend over perpendicular cliffs and sandstone ledges.
6.50	Bottom of ravine,400 ft.below sec.cor.,course SW.
	Ascend.
12.50	Wagon road from Ouray to Rangely,bears E.and W.
16.00	Top of ridge bears E.and W.
40.00	Set a sandstone,24x10x8 ins.,18 ins.in the ground,for. ¼ sec.cor.,marked ¼ on W.face;and raise a mound of stone,2 ft.base,1½ ft.high,W.of cor.
	Pits impracticable.

SUBDIVISIONS OF T.9 S.,R.24 E.

CHAINS	
48.60	Gilsonite vein,2 ft.wide,on the Alexandria Claim, Uintah Lode,bears NW.and SE.
	The E.end center of Abyssinia Claim,Uintah Lode,bears N.67°33'W.,2.30 chs.dist.
66.00	Bottom of hollow,500 ft.below top of ridge course W. Ascend.
70.00	Top of ridge bears E.and W.
	Descend.
80.00	Set a sandstone,18x9x8 ins.,12 ins.in the ground,for cor.of secs.28-29-32 and 33,marked with 1 notch on the S.and 4 notches on the E.edge;and raise a mound of stone,2 ft.base,1½ ft.high,W.of cor.
	Pits impracticable.
	Land,mountainous.
	Soil;rocky,4th rate.
	No timber.
	Mountainous land and dense undergrowth on 80.00 chs.

	S.89°56'E.on a random line bet.secs.28 and 33.
40.00	Set temp.¼ sec.cor.
80.06	Intersect N.and S.line,30 lks.S.of the cor.of secs. 27-28-33 and 34.
	Thence I run
	S.89°51'W.,on a true line
	bet.secs.28 and 33.
	Ascend over rough broken country through dense artemisia.
11.00	Top of spur projects N.
	Descend.
25.00	Bottom of gulch,250 ft.below top of spur,course N. Ascend.
30.00	Top of ridge bears N.and S.
	Descend.
34.50	Bottom of ravine,50 ft.deep,course N. Ascend.
40.05	Set a sandstone,18x12x5 ins.,12 ins.in the ground,for ¼ sec.cor.,marked ¼ on N.face;and raise a mound of stone,2 ft.base,1½ ft.high,N.of cor. Pits impracticable.

SUBDIVISIONS OF T.9 S.,R.24 E.

CHAINS	
	Corner on top of ridge bears N. and S.
	Descend.
49.00	Bottom of hollow,50 ft.deep,course N.
	Ascend.
80.06	The cor.of secs.28-29-32 and 33.
	Land,mountainous.
	Soil;rocky,4th rate.
	No timber.
	Mountainous land and dense undergrowth on 80.06 chs.

N.0°03'W.,bet.secs.28 and 29.

Descend over broken and rocky land through dense artemisia.

12.50	Bottom of gulch,100 ft.deep,course NW.
	Ascend.
39.20	Top of ridge,500 ft.above bottom of gulch,bears E.andW.
	Descend.
40.00	Set a sandstone,14x8x6 ins.,9 ins.in the ground,for ¼ sec.cor.,marked ¼ on W.face;and raise a mound of stone,2 ft.base,1½ ft.high,W.of cor.
	Pits impracticable.
62.00	Bottom of gulch,500 ft.below top of ridge,course NW.
	Ascend.
76.00	Top of spur projects W.
	Descend.
80.00	Set a sandstone,16x8x8 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;and raise a mound of stone,2 ft.base,1½ ft.high,W.of cor.
	Pits impracticable.
	Land,mountainous.
	Soil;rocky,4th rate.
	No timber.
	Mountainous land and dense undergrowth on 80.00 chs.

SUBDIVISIONS OF T.9 S.,R.24 E.

CHAINS	
	N.89°51'E.on a random line bet.secs.21 and 28.
40.00	Set temp.¼ sec.cor.
79.98	Intersect N.and S.line,12 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.
	Ascend over rocky land through dense artemisia.
10.50	Top of spur projects N.
	Descend.
18.50	Bottom of gulch,200 ft.deep,course N.
	Ascend.
30.00	Top of ridge bears N.and S.
	Descend.
39.99	Set a sandstone,14x8x6 ins.,9 ins.in the ground,for ¼ sec.cor.,marked ¼ on N.face;and raise a mound of stone 2 ft.base,1½ ft.high,N.of cor. Pits impracticable.
61.00	Bottom of gulch,400 ft.below top of ridge,course NW.
	Ascend.
76.00	Top of ridge bears NW.and SE.
	Descend.
79.98	The cor.of secs.20-21-28 and 29.
	Land,mountainous.
	Soil:rocky,4th rate.
	No timber.
	Mountainous land and dense undergrowth on 79.98 chs.

August 7,1904.

August 8:At 7h 05m a.m.,l.m.t.,I set off 40°01'N.on the lat.arc;16°12'N.on the decl.arc;and determine a meridian with the solar at the cor.of secs.20-21-28 and 29.

Thence I run

SUBDIVISIONS OF T.9 S.,R.24 E.

CHAINS	
	N.0°03'W.,bet.secs.20 and 21.
	Descend over broken and rocky land through dense artemisia.
4.00	Bottom of ravine,100 ft.below sec.cor.,course NW.
	Ascend.
40.00	Set a sandstone,18x8x6 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.
47.00	Top of spur projects W.
	Descend.
51.00	Bottom of gulch,200 ft.below top of spur,course W.
	Ascend.
61.00	Top of spur projects SW.
	Descend.
75.00	Bottom of swale,100 ft.below top of spur,course W.Ascend.
80.00	Top of.ridge bears NW.and SE.
	Set a sandstone,18x8x8 ins.,12 ins.in the ground,for cor.of secs.16-17-20 and 21,marked with 3 notches on the S.and 4 notches on the E.edge;and raise a mound of stone,2 ft.base,1½ ft.high,W.of cor.
	Pits impracticable.
	Land,mountainous.
	Soil;rocky,4th rate.
	No timber.
	Mountainous land and dense undergrowth on 80.00 chs.

	N.89°56'E.on a random line bet.secs.16 and 21.
40.00	Set temp.¼ sec.cor.
80.06	Intersect N.and S.line,9 lks.N.of the cor.of secs. 15-16-21 and 22.
	Thence I run
	West,on a true line
	bet.secs.16 and 21.
	Descend over broken country through dense artemisia.

SUBDIVISIONS OF T.9 S.,R.24 E.

CHAINS	
4.50	Bottom of gulch,30 ft.below sec.cor.,course NW.
	Ascend.
10.00	Top of spur projects N.
	Descend.
16.00	Bottom of ravine,50 ft.deep,course N.
	Ascend.
20.00	Top of ridge bears N.and S.
	Descend.
37.00	Bottom of gulch,100 ft.below top of ridge,course SW.
	Ascend.
38.00	Top of spur projects S.
	Descend.
40.03	Set a sandstone,14x9x5 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.
63.00	Bottom of gulch,300 ft.below top of spur,course NW.
	Ascend.
77.50	Top of spur projects NE.
	Descend.
78.50	Head of hollow,course N.
	Ascend.
80.06	The cor.of secs.16-17-20 and 21.
	Land,mountainous.
	Soil;rocky,4th rate.
	No timber.
	Mountainous land and dense undergrowth on 80.06 chs.

N.0°03'W.,bet.secs.16 and 17.

Descend over rough broken country through dense artemsia.

8.50	Bottom of ravine,200 ft.below sec.cor.,course NE.
	Ascend.
11.00	Top of spur projects E.
	Descend.

SUBDIVISIONS OF T.9 S.,R.24 E.

CHAINS	
17.50	Bottom of gulch,150 ft.below top of spur,course W.
	Ascend.
19.00	Top of spur projects W.
	Descend.
40.00	Set a sandstone,18x12x4 ins.,12 ins.in the ground,for ¼ sec.cor.,marked ¼ on W.face;and raise a mound of stone,2 ft.base,1½ ft.high,W.of cor.
	Pits impracticable.
43.00	Bottom of gulch,300 ft.below top of spur,course W.
	Ascend.
59.00	Top of ridge bears E.and W.
	Descend.
68.00	Bottom of ravine,75 ft.below top of ridge,course E.
	Ascend.
71.00	Top of spur projects E.
	Descend.
80.00	Set a sandstone,18x8x6 ins.,12 ins.in the ground,for cor.of secs.8-9-16 and 17,marked with 4 notches on the E.and S.edges;and raise a mound of stone,2 ft.base,1½ ft.high,W.of cor.
	Pits impracticable.
	Land,mountainous.
	Soil;rocky,4th rate.
	No timber.
	Mountainous land and dense undergrowth on 80,00 chs.

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

40.00	Set temp.¼ sec.cor.
79.90	Intersect N.and S.line,18 lks.N.of the cor.of secs. 9-10-15 and 16.

Thence I run

N.89°52'W.,on a true line bet.secs.9 and 16.

SUBDIVISIONS OF T'9 S.,R.24 E.

METES	
	Ascend over rough and broken country through dense artemisia.
24.00	Top of spur projects N.
	Descend.
27.00	Bottom of ravine,100 ft.deep,course NW.
	Ascend.
29.00	Top of spur projects N.
	Descend.
33.00	Bottom of ravine,50 ft.deep,course NE.
	Ascend.
39.95	Set a sandstone,14x8x6 ins.,9 ins.in the ground,for ¼ sec.cor.,marked ¼ on N.face;and raise a mound of stone, 2 ft.base,½ ft.high,N.of cor.
	Pits impracticable.
58.00	Top of ridge bears N.and S.
	Descend.
58.00	Bottom of ravine,50 ft.deep,course NW.
	Ascend.
60.00	Top of spur projects N.
	Descend.
72.00	Gilsonite vein,2½ ft.wide,on extension of Independent Lode,bears NW.and SE.
76.00	Bottom of gulch,150 ft.deep,course NW.
	Ascend.
79.90	The cor.of secs.8-9-16 and 17.
	Land,mountainous.
	Soil;rocky,4th rate.
	No timber.
	Mountainous land and dense undergrowth on 79.90 chs.
	August 8:At this cor.,I set off 16°07'N.on the decl. arc;and at 12h 05m p.m.,l.m.t.,observe the sun on the meridian;the resulting lat.is 40°03'N.

SUBDIVISIONS OF T.9 S.,R.24 E.

CHAINS	
	N.0°03'W.,bet.secs.8 and 9.
	Ascend over rough broken country through dense artemisia.
4.00	Gilsonite vein,2½ ft.wide,on extension of Independent Lode,bears NW.and SE.
9.00	Bend in gulch,150 ft.deep,course NW.to NE.
	Ascend.
20.00	Top of spur projects E.
	Descend.
33.00	Bottom of gulch,200 ft.below top of spur,course NW.
	Ascend.
40.00	Set a sandstone,18x8x6 ins.,12 ins.in the ground,for ¼ sec.cor.,marked ¼ on W.face;and raise a mound of stone,2 ft.base,1½ ft.high,W.of cor.
	Pits impracticable.
62.00	Top of ridge bears E.and W.
	Descend.
80.00	Set a sandstone,18x8x6 ins.,12 ins.in the ground,for cor.of secs.4-5-8 and 9,marked with 5 notches on the S. and 4 notches on the E.edge;and raise a mound of stone,2 ft.base,1½ ft.high,W.of cor.
	Pits impracticable.
	Land,mountainous.
	Soil;rocky,4th rate.
	No timber.
	Mountainous land and dense undergrowth on 80.00 chs.

S.89°52'E.on a random line bet.secs.4 and 9.

40.00	Set temp.¼ sec.cor.
80.08	Intersect N.and S.line,16 lks.S.of the cor.of secs. 3-4-9 and 10.

Thence I run

N.89°59'W.,on a true line

bet.secs.4 and 9.

SUBDIVISIONS OF T.9 S.,R.24 E.

CHAINS	
	Descend over rough broken country through dense artemisia.
23.50	Bottom of hollow,500 ft.below sec.cor.,course NW.
	Ascend.
32.00	Top of spur projects N. Descend.
40.04	Set a sandstone,14x8x6 ins.,9 ins.in the ground,for ¼ sec.cor.,marked ¼ on N.face;and raise a mound of stone,2 ft.base,1½ ft.high,N.of cor.
	Pits impracticable.
43.00	Bottom of hollow,300 ft.below top of spur,course SW.
	Ascend.
66.00	Top of spur projects S.
	Descend.
74.50	Bottom of hollow,400 ft.below top of spur,course NW.
	Ascend.
80.08	The cor.of secs.4-5-8 and 9.
	Land,mountainous.
	Soil;rocky,4th rate.
	No timber.
	Mountainous land and dense undergrowth on 80.08 chs.

	N.0°03'W.on a random line bet.secs.4 and 5.
40.00	Set temp.¼ sec.cor.
78.10	Intersect N.boy.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
	bet.secs. 4 and 5.
	Ascend over rocky and broken country through dense artemisia.
2.00	Top of spur projects W.
	Descend.
17.00	Bottom of hollow,100 ft.below top of spur,course W.
	Ascend.

SUBDIVISIONS OF T.9 S.,R.24 E.

CHAINS	
22.00	Top of spur projects W.
	Descend.
24.00	Bottom of ravine,50 ft.deep,course W.
	Ascend.
36.00	Top of ridge bears E.and W.
	Descend.
38.10	Set a sandstone,14x8x4 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.
74.00	Bottom of hollow,500 ft.below top of ridge,course W.
	Ascend.
78.10	The cor.of secs.4-5-8 and 9.
	Land,mountainous.
	Soil;rocky,4th rate.
	No timber.
	Mountainous land and dense undergrowth on 78.10 chs.

August 8,1904.

August 9:At 7h 05m a.m.,l.m.t.,I set off 39°59'N.on the lat.arc;15°55'N.on the decl.arc;and determine a meridian with the solar at the cor.of secs.5-6-31 and 32,heretofore described,on the S.bdy.of the Tp.

Thence I run

N.0°03'W.,bet.secs.31 and 32.

	Descend over rocky land through dense artemisia.
35.00	Bottom of gulch,500 ft.below sec.cor.,course W.
	Ascend.
39.50	Top of ridge bears E.and W.
	Descend.
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.

SUBDIVISIONS OF T.9 S.,R.24 E.

CHAINS	
80.00	Set a sandstone,16x8x5 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;and raise a mound of stone,2 ft.base,1½ ft.high,W.of cor.
	Pits impracticable.
	Land,mountainous.
	Soil:rocky,4th rate.
	No timber.
	Mountainous land and dense undergrowth on 80.00 chs.

	S.89°56'E.on a random line bet.secs.29 and 32.
40.00	Set temp.¼ sec.cor.
79.96	Intersect N.and S.line,12 lks.S.of the cor.of secs. 28-29-32 and 33.
	Thence I run
	S.89°59'W.,on a true line bet.secs.29 and 32.
	Ascend over broken country through dense artemisia.
15.00	Top of spur projects N.
	Descend.
33.00	Bottom of ravine,150 ft.below top of spur,course N.
	Ascend.
39.98	Set a sandstone,14x8x6 ins.,9 ins.in the ground,for ¼ sec.cor.,marked ¼ on N.face;and raise a mound of stone,2 ft.base,1½ ft.high,N.of cor.
	Pits impracticable.
50.00	Top of spur projects N.
	Descend.
63.00	Bottom of gulch,100 ft.deep,course NW.
	Ascend.
72.20	A gilsonite vein,2 ft.wide,on the extension of Uintah Lode,bears NW.and SE.
79.96	The cor.of secs.29-30-31 and 32.
	Land,mountainous.

SUBDIVISIONS OF T.9 S.,R.24 E.

CHAINS	
	Soil;rocky,4th rate.
	No timber.
	Mountainous land and dense undergrowth on 79.96 chs.

	N.89°56'W.on a random line bet.secs.30 and 31.
40.00	Set temp.¼ sec.cor.
79.35	Intersect W.bdy.of the Tp., 80 lks.N.of the cor.of secs. 25-30-31 and 36,heretofore described.
	Thence I run
	N.89°55'E.on a true line
	bet.secs.30 and 31.
	Ascend over rough mountainous land through dense artemisia.
3.50	Top of ridge bears NE.and SW.
	Descend.
20.50	Bottom of gulch,100 ft.deep,course NW.
	Ascend.
39.35	Set a sandstone,18x6x5 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.
65.00	Top of ridge bears N.and S.
	Descend.
79.35	The cor.of secs.29-30-31 and 32.
	Land,mountainous.
	Soil;rocky,4th rate.
	No timber.
	Mountainous land and dense undergrowth on 79.35 chs.

	N.0°03'W.,bet.secs.29 and 30.
	Descend over rocky and broken land through dense artemisia.
4.20	A gilsonite vein,2 ft.wide,on the extension of the Uintah Lode,bears NW.and SE.

SUBDIVISIONS OF T.9 S.,R.24 E.

CHAINS	
4.25	Bottom of ravine,100 ft.deep,course NW.
	Ascend.
16.00	Top of spur projects W.
	Descend.
40.00	Set a sandstone,24x8x6 ins.,18 ins.in the ground,for ¼ sec.cor.,marked ¼ on W.face;and raise a mound of stone,2 ft.base,1½ ft.high,W.of cor.
	Pits impracticable.
42.00	Bottom of gulch,300 ft.below top of spur,course SW.
	Ascend.
77.00	Top of ridge bears E.and W.
	Descend.
80.00	Head of hollow,course NE.
	Set a sandstone,16x9x8 ins.,11 ins.in the ground,for cor.of secs.19-20-29 and 30,marked with 2 notches on the S.and 5 notches on the E.edge;and raise a mound of stone,2 ft.base,1½ ft.high,W.of cor.
	Pits impracticable.
	Land,mountainous.
	Soil;rocky,4th rate.
	No timber.
	Mountainous land and dense undergrowth on 80.00 chs.

	N.89°59'E.on a random line bet.secs.20 and 29.
40.00	Set temp.¼ sec.cor.
80.08	Intersect N.and S.line,5 lks.N.of the cor.of secs. 20-21-28 and 29,
	Thence I run
	N.89°59'W.,on a true line
	bet.secs.20 and 29.
	Ascend over rocky land through dense artemisia.
10.00	Top of spur projects NW.
	Descend.
12.50	Bottom of gulch,75 ft.deep,course NW.

SUBDIVISIONS OF T.9 S.,R.24 E.

CHAINS	
	Ascend.
40.04	Set a sandstone,18x9x8 ins.,12 ins.in the ground,for ¼ sec.cor.,marked ¼ on W.face;and raise a mound of stone,2 ft.base,1½ ft.high,W.of cor.
	Pits impracticable.
52.00	Top of spur projects NW.
	Descend.
71.50	Bottom of gulch,150 ft.below top of spur,course NE.
	Ascend.
77.50	Top of spur projects N.
	Descend.
80.08	The cor.of secs.19-20-29 and 30.
	Land,mountainous.
	Soil;rocky,4th rate.
	No timber.
	Mountainous land and dense undergrowth on 80.08 chs.
	August 9:At this cor.,I set off 15°50'N.on the decl.arc; and,at 12h 05m p.m.,l.m.t.,observe the sun on the meridian;the resulting lat,is 40°01'N.

	S.89°55'E.on a random line bet.secs.19 and 30.
40.00	Set temp.¼ sec.cor.
79.20	Intersect W.bdy.of the Tp.,18 lks.S.of the cor.of secs. 19-24-25 and 30,heretofore described.
	Thence I run
	S.89°57'E.on a true line
	bet.secs.19 and 30.
	Ascend over mountainous land through dense artemisia.
9.00	Top of ridge bears N.and S.
	Descend.
20.00	Bottom of gulch,300 ft.deep,course N.
	Ascend.
34.00	Top of spur projects N.
	Descend.
39.20	Set a sandstone,24x12x6 ins.,18 ins.in the ground,for

SUBDIVISIONS OF T.9 S.,R.24 E.

CHAINS	
	¼ sec.cor.,marked ¼ on N.face;and raise a mound of stone,2 ft.base,1½ ft.high,N.of cor.
	Pits impracticable.
41.50	Bottom of gulch,100 ft.deep,course N.
	Ascend.
54.00	Top of spur projects N.
	Descend.
61.50	Bottom of gulch,100 ft.deep,course N.
	Ascend.
70.50	Top of ridge bears N.and S.
	Descend.
79.20	The cor.of secs.19-20-29 and 30.
	Land,mountainous.
	Soil;rocky,4th rate.
	No timber.
	Mountainous land and dense undergrowth on 79.20 chs.

	N.0°03'W.,bet.secs.19 and 20.
	Ascend over rocky land through dense artemisia,
10.50	Top of ridge bears E.and W.
	Descend.
20.00	Bottom of gulch,100 ft.deep,course W.
	Ascend.
26.00	Top of ridge bears NE.and SW.
	Descend.
40.00	Set a sandstone,18x10x5 ins.,12 ins.in the ground,for ¼ sec.cor.,marked ¼ on W.face;and raise a mound of stone,2 ft.base,1½ ft.high,W.of cor.
	Pits impracticable.
77.00	Bottom of gulch,500 ft.below top of ridge,course W.Ascend.
80.00	Top of spur projects NW.
	Set a sandstone,24x10x8 ins.,18 ins.in the ground,for cor.of secs.17-18-19 and 20,marked with 3 notches on the S.and 5 notches on the E.edge;and raise a mound

SUBDIVISIONS OF T.9 S.,R.24 E.

CHAINS	
	of stone,2 ft.base,1½ ft.high,W.of cor.
	Pits impracticable.
	Land,mountainous.
	Soil;rocky,4th rate.
	No timber.
	Mountainous land and dense undergrowth on 80.00 chs.

	S.89°59'E.on a random line bet.secs.17 and 20.
40.00	Set temp.¼ sec.cor.
80.10	Intersect N.and S.line,5 lks.N.of the cor.of secs.
	16-17-20 and 21.
	Thence I run
	N.89°57'W.,on a true line
	bet.secs.17 and 20.
	Descend over rocky land through dense artemisia.
10.00	Head of hollow,course S.
	Ascend.
20.00	Top of ridge bears NE.and SW.
	Descend.
29.50	Bottom of ravine,500 ft.below top of ridge,course SW.
	Ascend.
38.00	Top of spur,500 ft.above bottom of ravine,projects SW.
	Descend.
40.05	Set a sandstone,30x10x5 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.
60.50	Bottom of gulch,700 ft.below top of spur,course NW.
	Ascend.
80.10	The cor.of secs.17-18-19 and 20.
	Land,mountainous.
	Soil;rocky,4th rate.
	No timber.

SUBDIVISIONS OF T.9 S.,R.24 E.

CHAINS	
	Mountainous land and dense undergrowth on 80.10 chs.
	N.89°57'W.on a random line bet.secs.18 and 19.
40.00	Set temp.¼ sec.cor.
79.38	Intersect W.bdy.of the Tp.,16 lks.S.of the cor.of secs.13-18-19 and 24,heretofore described.
	Thence I run
	S.89°50'E.on a true line bet.secs.18 and 19.
	Ascend over rough broken land through dense artemisia.
22.00	Top of ridge bears N.and S.
	Descend.
32.00	Bottom of gulch,100 ft.deep,course N.
	Ascend.
36.00	Top of spur projects NW.
	Descend.
39.38	Set a sandstone,18x10x4 ins.,12 ins.in the ground,for ¼ sec.cor.,marked ¼ on N.face;and raise a mound of stone,3 ft.base,1½ ft.high,N.of cor. Pits impracticable.
40.75	Bottom of gulch,80 ft.deep,course N.
	Ascend.
43.00	Top of spur projects N.
	Descend.
50.00	Bottom of hollow,100 ft.deep,course N.
	Ascend.
54.00	Top of ridge bears N.and S.
	Descend.
70.50	Bottom of hollow,150 ft.deep,course N.
	Ascend.
79.38	The cor.of secs.17-18-19 and 20.
	Land, mountainous. Soil, rocky, 4th rate. No timber. Mountainous land and dense undergrowth on 79.38 chs.

August 9,1904.

August10: At 7h 05m a.m.,l.m.t.,I set off 40°02'N.on

SUBDIVISIONS OF T.9 S.,R.24 E.

the lat.and 15°37'N.on the decl.arc and determine a [illegible] with the solar at the cor.of secs.17-18-19 [illegible].

Thence I run

[illegible],bet.secs.17 and 18.

[illegible] country through dense [illegible].

[illegible] ft.[illegible] cor.,course E.

[illegible]

[illegible]

[illegible] of spur,course E.

[illegible] ins.in the ground,for [illegible] and raise a mound of [illegible] of cor.

[illegible]

[illegible] of spur,course W.

[illegible] ins.in the ground,for [illegible] with 4 notches on the [illegible] raise a mound of [illegible] of cor.

[illegible]

[illegible] undergrowth on 80.00 chs.

SUBDIVISIONS OF T.9 S.,R.24 E.

CHAINS	
	S.89°57'E.on a random line bet.secs.8 and 17.
40.00	Set temp.¼ sec.cor.
79.95	Intersect N.and S.line,3 lks.S.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.
	Ascend over rocky land through dense artemisia.
4.50	Top of ridge bears NW.and SE.
	Descend.
11.00	Bottom of gulch,200 ft.below top of ridge,course N.
	Ascend.
15.00	Top of spur projects N.
	Descend.
23.00	Bottom of gulch,200 ft.below top of spur,course N.
	Ascend.
39.97½	Set a sandstone,16x10x5 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.
45.00	Top of spur projects NE.
	Descend.
79.00	Bottom of hollow,200 ft.below top of spur,course N.
	Ascend.
79.95	The cor.of secs.7-8-17 and 18.
	Land,mountainous.
	Soil;rocky,4th rate.
	No timber.
	Mountainous land and dense undergrowth on 79.95 chs.

	N.89°50'W.on a random line bet.secs.7 and 18.
40.00	Set temp.¼ sec.cor.
79.10	Intersect W.bdy.of the Tp.,9 lks.S.of the cor.of secs. 7-12-13 and 18,heretofore described.

SUBDIVISIONS OF T.9 S.,R.24 E.

CHAINS	
	Thence I run
	S.89°46'E.on a true line
	bet.secs.7 and 18.
	Ascend over rocky land through dense artemisia.
10.00	Top of ridge bears NW.and SE.
	Descend.
37.50	Bottom of gulch,300 ft.below top of ridge course NW.
	Ascend.
39.10	Set a sandstone,18x8x6 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.
69.00	Top of ridge bears N.and S.
	Descend.
79.10	The cor.of secs.7-8-17 and 18.
	Land,mountainous.
	Soil;rocky,4th rate.
	No timber.
	Mountainous land and dense undergrowth on 79.10 chs.

	N.0°03'W.,bet.secs.7 and 8.
	Descend over rocky land through dense artemisia.
11.00	Bottom of gulch,80 ft.deep,course E. Ascend.
19.00	Top of spur projects E. Descend.
39.60	Gilsonite vein,2½ ft.wide,on extension of Independent Lode,bears NW.and SE.
40.00	Set a sandstone,20x8x5 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.
44.00	Top of spur projects E.
	Descend.
66.00	Bottom of gulch,200 ft.below top of spur,course E.
	Ascend.

SUBDIVISIONS OF T.9 S.,R.24 E.

CHAINS	
68.00	Top of spur projects E.
	Descend.
79.80	Bottom of hollow,150 ft.below top of spur,course NW.
	Ascend.
80.00	Set a sandstone,20x6x6 ins.,15 ins.in the ground,for cor.of secs.5-6-7 and 8,marked with 5 notches on the S. and E.edges;and raise a mound of stone,2 ft.base,1½ ft.high,W.of cor.
	Pits impracticable.
	Land,mountainous.
	Soil,rocky,4th rate.
	No timber.
	Mountainous land and dense undergrowth on 80.00 chs.
	August 10 :At this cor.,I set off 15°33'N.on the decl. arc;and at 12h 05m p.m.,l.m.t.,observe the sun on the meridian;the resulting lat.is 40°03'N.

	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,5 lks.N.of the cor.of s cs. 4-5-8 and 9.
	Thence I run
	N.89°50'W.on a true line
	bet.secs.5 and 8.
	Ascend gradually through dense greasewood brush.
5.00	Point of spur projects N.
	Begin gradual descent.
14.00	Bottom of hollow,50 ft.deep,course SW.to W.
	Thence descend along bottom of hollow.
27.10	Leave bottom of hollow,course W.to SW.
	Ascend.
40.05	Set a sandstone,18x8x6 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.

SUBDIVISIONS OF T.9 S.,R.24 E.

CHAINS	
	Pits impracticable.Begin abrupt ascent bearing NE.and SW.
62.00	Top of spur projects S.
	Descend.
73.00	Bottom of ravine,100 ft.deep,course S.
	Ascend.
76.00	Top of spur projects S.
	Descend.
80.10	The cor.of secs.5-6-7 and 8.
	Land,mountainous.
	Soil;rocky,4th rate.
	No timber.
	Mountainous land and dense undergrowth on 80.10 chs.
	N.89°46'W.on a random line bet.secs.6 and 7.
43.00	Set temp.¼ sec.cor.
78.89	Intersect W.bdy.of the TP.,9 lks.N.of the cor.of secs. 1-6-7 and 12.
	Thence I run
	S.89°50'W.on a true line
	bet.secs.6 and 7.
	Descend over broken land through dense artemisia.
0.50	Bottom of hollow,50 ft.deep,course N.
38.89	Set a sandstone,18x8x6 ins.,12 ins.in the ground,for ¼ sec.cor.,marked ¼ on N.face;and raise a mound of stone,2 ft.base,1½ ft.high,N.of cor.
	Pits impracticable.
59.00	Top of spur,100 ft.above bottom of hollow,projects N.
	Descend.
77.00	Bottom of hollow,200 ft.below top of spur,course W.to N.
	Thence a gradual ascent along bottom of hollow.
77.00	Leave bottom of hollow,course SW.to W.
	Ascend.
78.89	The cor.of secs.5-6-7 and 8.
	Land,mountainous.

Chains.	
	Soil rocky; 4th rate.
	No timber.
	Mountainous land and dense undergrowth on 78.89 chs.
	N.0°03'W.on a random line bet.secs.5 and 6
40.00	Set temp.¼ sec.cor.
78.05	Intersect W.bdy.of the Tp., 7 lks.E.of the cor.of secs.5,6,31, and 32, heretofore described.
	Thence I run
	S.0°06'E.on a true line bet.secs.5 and 6
	Descend over rough broken country, through dense artemisia.
3.50	Bottom of gulch, 30 ft.deep, course E.
	Ascend.
19.00	Top of spur projects E.
	Descend.
35.50	Bottom of gulch, 100 ft.deep, course SE.
	Ascend.
38.05	Set a sandstone 18x8x5 ins., 12 ins.in the ground, for ¼ sec.cor.,pocket ¼ on W.face; dig pits 18x18 x12 ins., W. and S.of stone 2 ft.dist.; and mound a mound of earth 3d ft.base 1d ft.high W.of cor.
61.50	Top of ridge bears E.and W.
	Descend.
78.05	The cor.of secs.5,6,7, and 8.
	Land mountainous.
	Soil rocky; 4th rate.
	No timber.
	Mountainous land and dense undergrowth on 78.05 chs.

August 10,1904.

GENERAL DESCRIPTION.

This township is all mountainous, and broken by many ravines, gulches, and hollows.

The township is covered with a dense undergrowth of Artemisia, but has no timber.

There is no water in the township; there are no settlers in this township.

The soil is rocky and stony; and the formation is wholly sandstone.

Numerous veins of gilsonite cut the sandstone formation in a northwest and southeast direction, among which we noted the following:

The Uintah lode in secs.29,30,32,33, and 34.

The Chejetta lode, in secs.25 and 26.

The Little Chejetta lode, in sec.25.

Little Bonanza lode, in secs.23,24, and 25.

Bonanza lode, in secs.24 and 25.

Independent lode on the same vein with the Bonanza lode, in secs.15,22, and 23; the extension of vein passing through secs. 7,8,9,15, and 16.

Wagon Mound lode, in secs.27,28,34,35, and 36.

Cowboy lode in secs.1,2,3,4, and 12.

Little Cowboy lode in sec.2.

A gilsonite vein (no name) in secs.25 and 26.

These veins vary in width from 18 ins.to 3 ft.

A rock cabin 14x20 ft. in sec.25; a rock cabin 20x30 ft. in sec.25; a rock cabin 21x52 ft.in sec.25; and a rock cabin 18x30 ft.in sec.25; all belong to St.Louis Gilsonite Co.

The Blue Jay mining claim cannot be found.

With reference to tying in claims on gilsonite veins found in this township, the corners are not sufficiently defined to describe them accurate-

ly, and it would necessitate additional resurvey of their lines in order to locate said corners.

I return as mineral land: The SW¼ of SW¼ sec.1; the S½ of sec.2; the S½ of NE¼, the SE¼ of NW¼, and lots 3 and 4 sec.3; lots 1 and 2 sec.4; lots 1,2,3,4, and 5, the NW¼ of NW¼ sec.12; the SE¼ of NE¼, the NE¼ of SE½ of sec 7; the S½ of sec.8; the SW¼ of SW¼ sec.9; the N½ of NW¼, the NE¼, and E½ of SE¼ sec.16; the W½ of SW¼, and lots 1,2,3,and 4 sec.15; lots 1,2,and 3 sec 22; lots 1,2,3,4,5,6, 7,8,9,10, and 11 sec.23; lots 1,2,3,4,5,6,7,8,and 9 sec.24; lots 1,2,3,4,5.6.7,8.9,10,11,and 12 sec. 25; the NW¼ of SW¼ sec.25; lot 1 sec.26; the NE¼ of NE¼, and NE¼ of SE¼ sec.26; the SW¼,and SW¼ of SE¼ sec.27; the N½ of SE¼ sec.28; the SW¼ of SW¼ sec. 29; lots 2 and 3, the NE¼ of SW¼, and the SE¼ sec. 30; the N½ of NW¼, the W½ of NE¼, and lot 1 sec 32; lots 1,2,3,4,5,6,7,and 8,sec.33; lots 1,2,3,and 4, sec.34; the N½ of NE¼ sec.34; the NW¼, the SW¼ of NE¼, and N½ of SE¼ sec.35; the SW¼ and S½ of SE¼ sec.36.

Alfredo R Talamantez

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 ALFREDO R. TALAMANTES,

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

SUBDIVISIONS OF T. 9 S., R. 24 E. of the Salt Lake Base and Meridian, Utah.

showing the respective capacities in which they acted:

JULIUS H. WHITE, *Chainman.*

EGBERT WHITE, *Chainman.*

HOWARD M. HODGE, *Moundman.*

Moundman.

Axman.

Axman.

WILLIAM L. WHITE, *Flagman.*

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted ALFREDO R. TALAMANTES,

, United States Deputy Surveyor, in surveying all those parts or portions of the SUBDIVISIONS OF T. 9 S., R. 24 E.

of the

SALT LAKE 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.

Julius H. White, *Chainman.*

Egbert White, *Chainman.*

Howard M. Hodge, *Moundman.*

Moundman.

Axman.

Axman.

William L. White, *Flagman.*

Subscribed and sworn to before me this 10th day of AUGUST, 1904. 189

SEAL

E. T. Carlson
Notary Public

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FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, ALFREDO R.TALAMANTES, United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from EDWARD H.ANDERSON, United States Surveyor General for UTAH., bearing date of the 12th day of APRIL, 1904., 189 , I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for UTAH., the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of SUBDIVISIONS OF T.9 S.,R.24 E. of the SALT LAKE BASE & 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.

Alfredo R Talamantes
United States Deputy Surveyor.

Subscribed by said Alfredo R.Talamantes, and sworn to before me this 25th day of November,1904, ~~189~~

SEAL

Harvey D Heist
U.S. Deputy Surveyor
for Utah.

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City,Utah , May 27, 1905.

The foregoing field notes of the survey of the Subdivisional lines of Township No.9 South,Range No.24 East of the Salt Lake Base and Meridian,Utah,

executed by their Alfredo R.Talamantes and Harvey D.Heist,U.S.Deputy Surveyors under ~~his~~ contract No. 285, dated April 12,1904, ~~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 Rudolph
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-325

X.

FIELD NOTES

of the retracement of the

UTAH-COLORADO BOUNDARY LINE,

FROM

187th. to 214th. MILE CORNER.

adjoining

Range No. 25 East,

Of the Salt Lake base and *Meridian*,

in the State of Utah.

AS SURVEYED BY

Alfredo R. Talamantes, & Harvey D. Heist, *United States Deputy Surveyor*, S

Under their *Contract No.* 285, *dated* April 12, 1904.

Retracement
Survey commenced August 10, 1904.

Retracement
Survey completed August 16, 1904.

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Last Page
for me

BOOK A-325

NAMES AND DUTIES OF ASSISTANTS.

Julius H.White	Chainman.
Egbert White	"
Howard M.Hodge	Roundman.
Willian Pearson	Axman.
William L.White	Flagman.

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BOOK A-325

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Meanders Page .....

PRELIMINARY OATHS OF ASSISTANTS.

WE, Julius H. White and Egbert White

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 retracement of the Utah-Colorado boundary line, from the 187th. to the 214th. mile cor.

Julius H. White, Chainman.

Egbert White, Chainman.

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

SEAL

E. T. Carlson
Notary Public

WE, I, Howard M. Hodge, 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 retracement of the Utah-Colorado boundary line, from the 187th. to the 214th. mile cor.

Howard M. Hodge, Moundman.

, Moundman.

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

SEAL

E. T. Carlson
Notary Public

WE, I, William Pearson, 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 the Utah-Colorado boundary line, from the 187th. to the 214th. mile cor.

, Axman.

, Axman.

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

SEAL

E. T. Carlson
Notary Public

I, William L. White, 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 retracement of the Utah-Colorado boundary line, from the 187th. to the 214th. mile cor.

William L. White, Flagman.

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

SEAL

E. T. Carlson
Notary Public

Retracement of the Utah-Colorado boundary line.

Preliminary to surveying Range 25 East, I retrace the Colorado-Utah boundary line, as follows:

Survey commenced August 10, 1904, and executed with the the instrument described in book "N" 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 1st mile cor., which is a sandstone, 15x5x3 ins. above ground, marked as described by the surveyor general, in approximate latitude 39°43'N., longitude 109°05'W., I set off 39°43'N. on lat. arc, 15°39'N. on decl. arc, and determine a meridian with the solar and mark a point thereof on a stone, firmly set in the ground, 5.00 chs. N. of the cor., at 4 h. 00 m p. m.

At 10h. 12m., p.m., l.m.t, I observe Polaris at eastern elongation, in accordance with the Manual of Instructions and mark a point in the line thus determined, on a peg driven in the ground, 5.00 chs. N. of my station.

August 10, 1904.

August 11: At 6 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 last night, on which the meridian falls 0.3 ins. east of the mark determined by the solar.

At 7 a.m., l.m.t., I set off 39°43'N. on lat. arc, 15°29'N. on decl. arc, and mark a point in the meridian determined with the solar, by a cross on the stone already set 5.00 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, 0'16" west and east of the

Retracement of the Utah-Colorado boundary line.

CHAINS	
	meridian established by the Polaris observation: therefore I conclude that the adjustments of the instrument are satisfactory.
	The magnetic bearing of the true meridian, at 7h.30m. a.m., is N.15°48'W., the angle thus determined gives the magnetic decl.15°48'E.
	From the cor.already described, I run North, retracing the 188th.mile.
	Over rocky land, ascend through heavy ceda r and pinon timber.
17.00	Top of spur, projects N.E.
	Begin abrupt descent.
23.00	Bottom of hollow, 150 ft.deep, course N.E.
	Begin abrupt ascent.
30.39	Fall 10 lks. west of the 188 th.mile cor., which is a sandstone, 18x8x5 ins.above ground, marked as described by the surveyor general.
	This cor.is set on top of a spur, projecting N.E.
	The course of this line is therefore N.0°11'E., and the dist.30.39 chs.
	Land, mountainous.
	Soil, rocky, 3rd.rate.
	Timber, heavy cedar and pinon on 30.39 chs.
	Mountainous land on 30.39 chs.

	North, retracing the 189 th.mile.
	Descend abruptly over rocky land, through heavy cedar and pinon timber.
7.00	Bottom of hollow, 200 ft.deep, course N.E.
	Begin abrupt ascent.
15.60	Top of spur, projects N.E.
	Begin abrupt descent.
22.00	Bottom of hollow, 150 ft.deep, course N.E.
	Begin abrupt ascent.

Retracement of the Utah-Colorado boundary line.

CHAINS	
41.00	Top of spur,projects N.E.
	Leave heavy timber ,bears N.E and S.W.
	Enter scattering timber.
	Begin abrupt descent.
59.00	Bottom of hollow,250 ft.deep,course N.E.
	Begin abrupt ascent.
73.66	Top of spur,projects N.E.
	Begin abrupt descent.
83.40	Fall 19 lks.W.of the 180th.mile cor.,which is a sandstone,8x8x3 ins.above the ground,marked as described by the surveyor general.
	The course of this line is therefore N.0°08'E.,and the dist.83.40 chs.
	The W,mountainous.
	Soil,rocky,3rd.rate.
	Timber,cedar and pinon.
	Mountainous land on 83.40 chs.

August 11: At this cor.I set off 15°15'N.on decl.are, and at 0h.05m.,p.m.,l.m.t.,observe the sun on the meridian,the resulting lat.is 39°-5'N.

N.0°10'E.,retracing the 190 mile.

Descend abruptly over rocky land,through scattering cedar and pinon timber.

Point of abrupt descent,bears N.W.and S.E.

Leave timber.

Enter botton of Evacuation Canon,400 ft.deep,course NW.

Over level bottom land,through dense greasewood brush.

Dry bed of Evacuation Creek,course N.W.

Road,from Mack to Dragon,bears N.W.and S.E.

Telephone line,from Mack to Dragon,bears N.W.and S.E.

Leave bottom of canon,begin abrupt ascent,bears N.W.and S.E.

Fall 5 lks.E.of the 190th.mile cor.,which is a sandstone,36x18x5 ins.,set in a mound of rock,marked

CHAINS	
	as described by the surveyor general.
	The course of this line is therefore N.0°08'E.,and the dist.,79.94 chs.
	Land,mountainous.
	Soil,rocky,3rd.rate on 41.94 chs.
	bottom land,2nd.rate on balance.
	Timber,cedar and pinon.
	Mountainous land or dense undergrowth on 79.94 chs.

	N.0°10'E.,retracing the 191th.mile.
	Ascend over rocky land.
2.50	Top of spur,projects W.
	Descend.
12.50	Bottom of hollow,150 feet deep,course W.
	Begin abrupt ascent.
21.00	Top of spur,projects W.
	Begin abrupt descent.
	Enter scattering cedar and pinon timber.
29.00	Bottom of hollow,200 feet ,course S.W.
	Begin abrupt ascent.
37.00	Top of spur,projects W.
	Begin abrupt descent.
64.00	Bottom of hollow,200 ft.deep,course S.W.
	Begin abrupt ascent.
103.00	Top of ridge,bears N.E.and S.W.
	Descend.
113.00	Head of hollow,course W.
	Ascend.
119.00	Top of spur,projects N.W.
	Descend.
123.00	Head of hollow,course N.W.
	Ascend.
142.85	On top of ridge,bears N.W.and S.E.
	Fall 25 lks.E.of the 191 3/4 mile cor.,which is a

Retracement of the Utah-Colorado boundary line.

CHAINS	
	sandstone, 18x8x6 ins. above the ground, marked as described by the surveyor general.
	The course of this line is therefore N. 0°04'E., and the dist. 142.85 chs.
	Land, mountainous.
	Soil, rocky, 3rd. rate.
	Timber, cedar and pinon.
	Mountainous land on 142.85 chs.
	August 11, 1904.

August 12: At 7 a.m., l.m.t., I set off 39°47'N. on lat. arc, 15°02'N. on decl. arc, and determine a meridian with the solar, at the 191 3-4 mile cor.

Thence I run

North, retracing the 192nd. and 193rd. mile.

	Descend over rocky land, through scattering cedar and pinon timber.
49.00	Bottom of hollow, 400 ft. deep, course N.W.
	Begin abrupt ascent.
75.00	Top of spur, projects N.W.
	Begin abrupt descent.
	Leave timber.
88.50	Enter bottom of Missouri Canon, course W.
	Over bottom land, through dense greasewood brush.
98.12	Fall 12 lks. W. of the 193rd. mile cor., which is a sandstone, 10x8x4 ins., above ground, marked as described by the surveyor general.

The course of this line is therefore N. 0°04'E., and the distance 98.12 chs.

Land, mountainous.

Soil, rocky on 88.50 chs., 3rd. rate.

balance bottom land, 2nd. rate.

Timber, cedar and pinon.

Mountainous land on 98.12 chs.

Retracement of the Utah-Colorado boundary line,

CHAINS	
	North, retracing the 194th.mile.
	Over level land in the bottom of Missouri Canon,
	through dense greasewood brush.
8.00	Leave bottom of canon, course W.
	Begin abrupt ascent over broken sandstone ledges,
	bearing E. and W.
	Enter scattering cedar and pinon timber.
31.00	Top of spur, projects S.W.
	Descend.
37.00	Head of hollow, course W.
	Ascend.
44.00	Top of spur, projects S.W.
	Begin abrupt descent.
55.50	Bottom of hollow, 500 ft. deep, course S.W.
	Begin abrupt ascent over broken sandstone ledges,
	bearing N.E. and S.W.
98.80	Leave sandstone ledges bear E. and W.
108.80	Top of ridge, bears E. and W.
	Intersect the 194 3-4 mile cor., which is a sandstone,
	10x8x3 ins. above the ground, marked as described by the
	surveyor general.
	The course of this line is therefore North, and the dist.
	108.80 chs.
	Land, mountainous.
	Soil, rocky on 100.80 chs.
	balance bottom land, 2nd. rate.
	Timber, cedar and pinon.
	Mountainous land on 108.80 chs.
	August 12: At this cor. I set off 14°58'N., on decl. arc,
	and at 0h.05m., p.m., l.m.t., observe the sun on the merid-
	ian, the resulting lat. is 39°49'N.

Retracement of the Utah-Colorado boundary line.

CHAINS	
	From the 194 3-4 mile cor.a flag can be seen at the 196 7-8th mile cor.,therefore I run
	N.0°50'E.,retracing the 195th.,196th,and 197th.mile.
	Descend abruptly over broken ,rocky land,through scattering cedar and pinon timber.
8.50	Bottom of hollow,250 ft.deep,course N.W.
	Begin abrupt ascent.
21.00	Top of spur,projects N.W.
	Begin abrupt descent.
101.00	Bottom of Park Canon,800 ft.deep,course W.
	Begin abrupt ascent over broken and rocky land.
166.49	Top of ridge,bears N.E.and S.W.
	Intersect the 196 7-8 mile cor.,which is a sandstone, 12x8x3½ ins.above the ground,marked as described by the surveyor general.
	The course of this line is therefore N.0°50'E.,and the dist.166.49 chs.
	Land,mountainous.
	Soil,rocky,3rd.and 4th.rate.
	Timber,cedar and pinon.
	Mountainous land on 160.49 chs.
	August 12,1904.

August 13: At 7 a.m.,l.m.t.,I set off 39°51'N.on lat.arc, 14°44'N'on decl.arc,and determine a meridian with the solar,at the 196 7-8 mile cor.

Thence I run

North,retracing the 197th.and 198 miles.

	Descend abruptly over broken and rocky land,through scattering cedar and pinon timber.
12.00	Bottom of hollow,500 ft.deep,course W.
	Begin abrupt ascent.
36.00	Top of spur,projects S.W.
	Begin abrupt descent.

Retracement of the Utah-Colorado boundary line.

CHAINS	
47.00	Bottom of hollow,300 ft.deep,course S.W.
	Begin abrupt ascent.
77.00	Top of ridge,bears N.E.and S.W.
	Descend.
88.22	Fall 21 lks.E.of the 198 mile cor.,which is a sandstone 18x15x1½ ins.above the ground,marked as described by the surveyor general.
	The course of this line is therefore N.0°08'W.,and the dist.88.22 chs.
	Land,mountainous.
	Soil,rocky,3rd.and 4th.rate.
	Timber,cedar and pinon.
	Mountainous land on 88.22 chs.

N.0°05'E.,retracing the 199th.mile.

	Descend over rocky land,through scattering cedar and pinon timber.
17.00	Leave timber.
20.75	Bottom of hollow,100 ft.deep,course N.W.
	Ascend.
24.00	Enter scattering cedar and pinon timber.
28.00	Top of spur,projects W.
	Descend.
42.00	Bottom of hollow,150 ft.deep,course S.W.
	Begin abrupt ascent.
	Enter heavy cedar and pinon timber,bears N.E.and S.W.
66.00	Top of ridge,bears N.W.and S.E.
	Begin abrupt descent.
79.62	Fall 9 lks.E.of the 199th.mile cor.,which is a sandstone 36x12x4 ins.,set in a mound of rock,marked as described by the surveyor general.
	The course of this line is therefore N.0°01'E.,and the dist.79.62 chs.
	Land,mountainous.

Retracement of the Utah-Colorado boundary line.

CHAINS

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

Timber, cedar and pinon.

Mountainous land or heavily timbered on 79.62 chs.

August 13: At this cor. I set off 14°39'N. on decl. arc, and at 0h. 05m., p.m., l.m.t., observe the sun on the meridian, the resulting lat. is 39°53'N.

North, retracing the 200th. and 201st. miles.

Descend abruptly over broken, rocky land, through heavy cedar and pinon timber.

55.00 Bottom of hollow, 500 ft. below the cor., course N.W.

Begin abrupt ascent.

96.00 Top of rocky spur, projects W.

Begin abrupt descent.

111.50 Bottom of Hell's Hole Canon, 500 ft. deep, course N.W.

Leave timber, bears N.W. and S.E.

Begin abrupt ascent.

124.00 Top of ridge, bears N.W. and S.E.

Descend.

163.30 Fall 47 lks. E. of the 201 mile cor., which is a sandstone, 16x10x1½ ins. above the ground, marked as described by the surveyor general.

The course of this line is therefore N.0°10'W., and the dist. 163.30 chs.

Land, mountainous.

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

Timber, heavy cedar and pi non on 111.50 chs.

Mountainous land or heavily timbered on 163.30 chs.

August 13, 1904.

August 14: At 7 a.m., l.m.t., I set off 39°55'N., on lat. arc, 14°25'N. on decl. arc, and determine a meridian with the solar, at the 201st. mile cor.

Thence I run

North, retracing the 202nd. mile.

Retracement of the Utah-Colorado boundary line.

CHAINS	
	Descend over rocky land.
19.00	Enter heavy cedar and pinon timber, bears N.E. and S.W.
38.50	Bottom of hollow, 300 ft. deep, course S.W.
	Leave heavy timber, bears N.E. and S.W.
	Begin abrupt ascent over broken, rocky land, through scattering cedar and pinon timber.
100.62	Top of ridge, bears N.W. and S.E.
	Fall 26 lks. E. of the 202¼ mile cor., which is a sandstone 20x14x3 ins., in a mound of rock, marked as described by the surveyor general.
	The course of this line is therefore N. 0° 09' W., and the dist. 100.62 chs.
	Land, mountainous.
	Soil, rocky, 3rd. and 4th. rate.
	Timber, cedar and pinon.
	Mountainous land or heavily timbered on 100.62 lks.

North, retracing the 203rd. mile.

Over rocky and broken land, descend abruptly through heavy cedar and pinon timber.

60.57 Fall 32 lks. E. of the 203 mile cor., which is a sandstone 16x8x4 ins. above ground, firmly set and marked and witnessed as described by the surveyor general.

The course of this line is therefore N. 0° 18' W., and the dist. 60.57 chs.

Land, mountainous.

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

Timber, heavy cedar and pinon on 60.57 chs.

Mountainous land and heavily timbered on 60.57 chs.

August 14: At this cor. I set off 14° 21' N. on decl. arc, and at 9h. 05m., p.m., l.m.t., observe the sun on the meridian, the resulting lat. is 39° 56' N.

Retracement of the Utah-Colorado boundary line.

CHAINS	
	North, retracing the 204th. mile.
	Descend abruptly over rocky land, through heavy cedar and pinon timber.
9.75	Bottom of Gilsonite Gulch, 500 ft. deep, course N.W.
	Leave timber, bears N.W. and S.E.
	Begin abrupt ascent.
19.00	Top of ridge, bears N.W. and S.E.
	Enter scattering cedar and pinon timber.
	Descend.
35.00	Bottom of hollow, 150 ft. deep, course N.W.
	Ascend.
44.50	Top of spur, projects W.
	Descend.
51.00	Bottom of hollow, 100 ft. deep, course W.
	Asce nd.
56.00	Top of ridge, bears N.W. and S.E.
	Begin abrupt descent.
72.00	Bottom of hollow, 150 ft. deep, course N.W.
	Ascend.
82.75	Top of spur, projects W.
	Fall 59 lks. E. of the 204th. mile cor., which is a sandstone 10x8x4 ins., above the ground, marked as described by the surveyor general.
	The course of this line is therefore N. 0° 25' W., and the dist. 82.75 chs.
	Land, mountainous.
	Soil, rocky, 3rd. and 4th. rate.
	Timber, cedar and pinon.
	Mountainous land on 82.75 chs.

	North, retracing the 205th. mile.
	Descend over rocky land, through scattering cedar and pinon timber.
18.00	Bottom of hollow, 150 ft. deep, courwe S.W.

Retracement of the Utah-Colorado Boundary Line.

CHAINS		LAND
	Begin abrupt ascent.	
27.00	Top of rocky spur,projects S.W.	
	Begin abrupt descent.	
43.00	Bottom of hollow,200 ft.deep,course S.W.	
	Begin abrupt ascent.	
57.00	Top of ridge,bears N.W.and S.E.	
	Begin abrupt descent.	
82.76	Fall 24 lks.E.of the 205 mile cor.,which is a pinon tree 16 ins.in diam,marked as described by the surveyor general. The course of this line is therefore N.0°10'W.,and the dist.82.76 chs.	
	Land,mountainous.	
	Soil,rocky,3rd.rate.	
	Timber,cedar and pinon.	
	Mountainous land on 82.76 chs.	

August 14,1904.

August 15: At 7 a.m.,l.m.t.,I set off 39°58'N.on lat. arc,14°07'E.on decl.arc,and determine a meridian with the solar,at the 205th.mile cor.

Thence I run

North,retracing the 206th.mile.

	Over rocky landdescend through scattering cedar and pinon timber.	
53.00	Bottom of hollow,200 ft.deep,course W.	
	Begin abrupt ascent.	
71.00	Top of ridge,bears E.and W.	
	Descend.	
76.00	Intersect the 206 mile cor.,which is a pinon tree,14 ins.diam.,marked as described by the surveyor general. The course of this line is therefore North,and the dist.76.00 chs.	
	Land,mountainous.	

Retracement of the Utah-Colorado boundary line.

CHAINS	
	Soil, rocky 3rd. rate.
	Timber, cedar and pinon.
	Mountainous land on 76.09 chs.

	North, retracing the 207th. mile.
	Descend along the bottom of hollow, course N., through scattering cedar and pinon timber.
15.00	Leave timber.
	Enter dense artemisia.
56.00	Leave hollow, course N.W.
	Begin abrupt ascent.
65.00	Top of spur, projects W.
	Begin abrupt descent.
69.00	Bottom of hollow, 150 ft. deep, course W.
	Begin abrupt ascent.
80.58	Fall 80 lks. E. of the 207th. mile cor., which is a shale rock 9x8x1½ ins. above the ground, marked as described by the surveyor general.
	The course of this line is therefore N. 0°38' W., and the dist. 80.58 chs.
	Land, mountainous.
	Soil, rocky, 3rd. rate.
	Timber, cedar and pinon.
	Mountainous land on 80.58 chs.
	August 15: At this cor. I set off 14°02' N. on decl. arc, and at 0h. 04m., p.m., l.m.t., observe the sun on the meridian, the resulting lat. is 40°00' N.

	North, retracing the 208th. mile.
	Ascend abruptly over rocky land.
5.00	Top of spur, projects W.
	Descend.
7.50	Bottom of hollow, 150 ft. deep, course W.
	Ascend.

Retracement of the Utah-Colorado boundary line.

CHAINS	
13.00	Top of spur, projects W.
	Descend. Enter scattering cedar and pinon timber.
18.50	Bottom of hollow, 150 ft. deep, course W.
	Ascend.
27.00	Top of spur, projects S.W.
	Descend.
32.00	Bottom of hollow, 150 ft. deep, course S.W.
	Ascend.
37.50	Top of ridge, bears N.W. and S.E.
	Descend.
43.00	Head of hollow, course N.E.
	Ascend.
50.00	Top of ridge, bears S.W. and N.
	Thence along top of ridge.
66.00	Leave ridge, bears N.E. and S.
	Descend.
70.00	Head of hollow, course W.
	Ascend.
74.25	Top of ridge, bears E. and W.
	Fall 86 lks. E. of the witness cor. to the 208 mile cor. which is a sandstone, 20x12x8 ins. above the ground, marked as described by the surveyor general.
	The course of this line is therefore N. 0°40' W., and the dist, 74.25 chs.
	Land, mountainous.
	Soil, rocky, 3rd. and 4th. rate.
	Timber, cedar and pinon.
	Mountainous land on 74.25 chs.

From the witness cor. to the 208 mile cor., I run

North, retracing the 209th., 210th. and 211th. mile.

Descend abruptly over rocky and steep west slope.

81.00	Enter bottom along White River, bears E. and W.
	Over level land, through dense greasewood brush.

Retracement of the Utah-Colorado Boundary Line.

Chains.
82.00 Left bank of White River,course SW.
84.75 Right bank of White River.
87.50 Wagon road to Rangely,bears NE.and SW.
90.00 Leave bottom land,bears NE.and SW.
Begin abrupt ascent over rocky land.
106.31 Falls 1.17 chs.W.of the 209½ mile cor.,which is a sandstone 20x13x3 ins. set in a mound of stone,marked as described by the surveyor general.
108.50 Top of ridge bears E.and W.;descend.
113.60 Full 1.26 chs.west of the Astronomical Station (set at 210 miles plus 58.07 chs.on a previous survey),which is a sandstone 16x8x3 ins.,set in a mound of stones, marked and witnessed as described by the surveyor general. The course of this line to the 211 mile cor. and the dist.113.60 chs. Thence I run with variation measurement
121.60 Bottom of hollow course W. Begin abrupt ascent.
134.70 Fell 1.235 chs.W.of the 211th mile cor.,which is a sandstone 14x8x3 ins.,above the mound,marked as described by the surveyor general. The course of this line to the Astronomical Station to the 211th mile cor.is therefore N.3°04'W.,and the dist.21.10 chs.
Left mountainous,and river bottom.
Left rocky ridge and its note on 108.50 chs.,mountainous bottom land,and note.
No timber.
Mountainous land,or land covered with dense undergrowth 134.70 chs.

August 15,1904.

August 16: At 7 a.m.l.m.t.I set out 40°02'N.on let.arc; 13°48'W.on decl.arc;and determine a meridian with the solar at the 211 mile cor.

Thence I run

Chains.	
	North,retracing the 212th mile,
	Ascend over rocky land.
0.25	Top of ridge bears E.and W.
	Begin abrupt descent.
16.50	Bottom of hollow 250 ft.deep,course W.
	Begin abrupt ascent.
24.00	Top of spur projects W.
	Descend.
28.00	Bottom of hollow 300 ft.deep,course SW.
	Begin abrupt ascent.
33.50	Top of ridge bears NE.and SW.
	Begin abrupt descent.
52.00	Bottom of hollow 200 ft.deep,course W.
	Begin abrupt ascent.
66.00	Top of spur projects SW.
	Begin abrupt descent.
71.00	Bottom of hollow,150 ft.deep,course SW.
	Begin abrupt ascent.
75.00	Top of spur projects SW.
	Descend.
78.00	Bottom of hollow 150 ft.deep,course SW.
	Ascend.
80.17	Fall 9 lks.E.of the 212 mile cor.,which is a sandstone 18x16x5 ins.,set in a mound of stone,marked as described by the surveyor general.
	The course of this line is,therefore,N.0°04'W.,and the dist.80.17 chs.
	Land mountainous.
	Soil rocky 3d and 4th rate.
	No timber.
	Mountainous land on 80.17 chs.

	North,retracing the 213th mile,
	Ascend over rocky land.
4.00	Top of spur,projects SW.

Retracement of the Utah-Colorado boundary line.

CHAINS	
	Descend.
17.50	Bottom of hollow, 100 ft. deep, course S.W.
	Ascend.
27.00	Top of spur, projects S.W.
	Descend.
33.00	Head of hollow, course S.W.
	Ascend.
37.50	Top of ridge, bears N.W. and S.E.
	Descend.
43.00	Head of hollow, course N.E.
	Ascend.
54.00	Top of spur, projects N.E.
	Descend.
71.50	Bottom of hollow, 50 ft. deep, course N.E.
	Ascend.
80.33	Fall 7 lks. N. of the 213 mile cor., n sandstone 14x8x4 ins. above the ground, marked as described by the surveyor general.
	The course of this line is therefore N. 0°03' W., and the dist. 80.33 chs.
	Land, mountainous.
	Soil, rocky, 3rd. rate.
	No timber.
	Mountainous land on 80.33 chs.
	August 16: At this cor. I set off 13°33' W. on decl. arc.
	and at 0h. 04m., p.m., l.m.t., observe the sun on the meridian, the resulting lat. is 40°04' N.

North, retracing the 214th. mile.

	Ascend over rocky land, through dense undergrowth.
5.00	Top of spur, projects N.E.
	Descend.
19.00	Bottom of hollow, 50 ft. deep, course N.E.
	Ascend.

Retracement of the Utah-Colorado boundary line.

CHAINS

48.00 Top of spur, projects N.E.

Descend.

80.22 Fall 16 lks. west of the 214 mile cor., which is a sandstone, 12x8x2 ins. above ground, marked as described by the surveyor general.

The course of this line is therefore N.0°07'E., and the dist. 80.22 chs.

Land, rolling.

Soil, rocky, inf. rate.

No timber.

Dense undergrowth on 80.22 chs.

August 16, 1904.

For general description, see Subdivisions of Tps. 9, 10, 11 and 12 S., R. 25 E.

Alfred R Talamantes

U. S. Deputy Surveyor.

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by Alfredo R.Talamantes, United States Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the retracement of the Utah-Colorado boundary line, bet. the 187th. and the 214th. mile cor. showing the respective capacities in which they acted:

Julius H.White, *Chainman.*
Egbert White, *Chainman.*
Howard M.Hodge, *Moundman.*
, *Moundman.*
Williar Pearson, *Axman.*
, *Axman.*
William L.White, *Flagman.*

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted Alfredo R.Talamantes, United States Deputy Surveyor, in ~~surveying~~ retracing those parts or portions of the Utah-Colorado boundary line, from the 187th. to the 214th. mile cor.

of the meridian, of , which are represented on the foregoing field notes as having been ~~surveyed~~ retraced by him and under his direction; and that said survey ~~retracement~~ retraced 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.

Julius H. White, *Chainman.*
Egbert White, *Chainman.*
Howard M. Hodge, *Moundman.*
, *Moundman.*
, *Axman.*
, *Axman.*
William L. White, *Flagman.*

Subscribed and sworn to before me this 16th day of August, 1904, ~~189~~X

SEAL

E. T. Barker
Notary Public

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FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, Alfredo R.Talamantes, 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 12th. day of April,1904., ~~169~~, 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 the Utah-Colorado boundary line, from the 187th. to the 214th. mile corner, of the ..... meridian, in the ..... of ....., 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~~ retracement 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~~ retracement; and should any fraud be detected, I will suffer the penalty of perjury under the provisions of an Act of Congress approved August 8, 1846.

Alfredo R Talamantes
United States Deputy Surveyor.

Subscribed by said Alfredo R.Talamantes, and sworn to before me this 25th day of November,1904., ~~1900~~

SEAL

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

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City,Utah , May 27, 1905~~xxx~~

The foregoing field notes of the ~~survey~~ retracement of the Utah-Colorado boundary line from the 187th to the 214th mile corner,

executed by Alfredo R.Talamantes and Harvey D.Heist,U.S.Deputy Surveyors under ~~his~~ their contract No. 285, dated April 12,1904., ~~1900~~, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the ~~survey~~ retracements 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-325

Y.

FILED

AUG 31 1904

FIELD NOTES

OF THE SURVEY OF THE

S-E-C-O-N-D S-T-A-N-D-A-R-D P-A-R-A-L-L-E-L S-O-U-T-H

through

Range No. 25 East,

Of the Salt Lake Base and *Meridian,*

in the state of Utah,

AS SURVEYED BY

edo R. Talamantes and Harvey D. Heist, *United States Deputy Surveyors*

their

Under ~~his~~ *Contract No.* 285, *dated* April 12, 1904.

Survey commenced August 17, 1904.

Survey completed August 18, 1904.

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BOOK A-325

NAMES AND DUTIES OF ASSISTANTS.

Charles Hoel,	Chainman.
Lewis Hahn,	"
Earl Woolley,	"
Heber Christensen,	"
Andrew Stumpf	Moundman.
Edward J.Beaird,	Axman.
John A.Neely,	Flagman.

For preliminary affidavits see book "I" T.10 S.R.22 E.

BOOK A-325

INDEX DIAGRAM.

Township 10 South, , *Range* 25 East.

6	5	4	3	2	1
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30	29	28	27	26	25
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6 5 4 5 7 8

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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SECOND STANDARD PARALLEL SOUTH THROUGH R.25 E.

CHAINS

Survey commenced August 17,1904,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 standard cor.of Tp.10 S.,Rs.24 and 25 E.,in approximate lat.39°53'53"N.,longitude 109°11'30"W.; I set off 39°54'N.on the lat.arc; 13°21'W.on the decl.arc; and at 4h 02m 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 standard cor.

At 9h 45m. 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.

August 17,1904.

August 18:At 6h 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 August 17,on which the meridian falls 0.4 ins.east of the mark determined by the solar.

At 7h 02m a.m.,l.m.t.,I set off 39°54'N.on the lat.arc; 13°10'W.on the decl.arc;and mark a point in the meridian determined with the solar,bya 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"west, and 0'16" east of the meridian established by the

SECOND STANDARD PARALLEL SOUTH, THROUGH R.25 E.

CHAINS	
	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°00'W.; the angle thus determined gives the mag.decl.16°00'E.
	Commencing at the standard cor.of Tps.10 S., Rs.24 and 25 E., established by myself, I turn off an angle of 90° from North to East and run
	East on the tangent, S.of sec.31.
	Descend abruptly over rocky land.
1.25	Bottom of hollow, 100 ft.deep, course N.
	Begin abrupt ascent.
5.50	Top of spur projects N.
	Begin abrupt descent.
13.00	Bottom of hollow, 100 ft.deep, course N.
	Ascend.
21.00	Top of spur projects N.
	Descend.
25.00	Elbow in hollow, course SW.to NW.
	Ascend.
	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	N., 0.2 lks.from the tangent
	Set a limestone, 24x8x6 ins., 18 ins.in the ground, for standard ¼ sec.cor., marked S C ¼ on N.face; and raise a mound of stone, 2 ft.base, 1½ ft.high, N.of cor.
	Pits impracticable.
56.00	Top of spur projects N.
	Descend.
67.00	Bottom of hollow, 150 ft.deep, course NW.
	Ascend.

SECOND STANDARD PARALLEL SOUTH THROUCH R.25 E.

CHAINS	
	Difference bet.measurements of 80.00 chs.,by two sets of chainmen is 6 lks.;positio n of middle point
	By 1st set,80.03 chs.
	By 2nd set,79.97 chs.,the mean of which is
80.00	N.,0.8 lks.from the tangent
	Set a sandstone,20x8x8 ins.,15 ins.in the ground,for standard cor.of secs.31 and 32,marked S C on N.,with 1 groove on the W.and 5 grooves on the E.face;and r ise a mound of stone,2 ft.base,1½ ft.high,N.of cor.
	Pits impracticable.
	Land mountainous.
	Soil;rocky,4th rate.
	No timber.
	Mountainous land on 80.00 chs.
	S.89°59'E.on the tangent S.of sec.32
	Ascend over rocky land.
0.50	Top of spur projects S.
	Descend.
3.00	Bottom of hollow,100 ft.deep,course SW.
	Begin abrupt ascent.
9.00	Top of spur projects SW.
	Descend.
17.00	Bottom of hollow,100 ft.deep,course SW.
	Begin abrupt ascent.
24.40	Top of spur projects S.
	Begin abrupt descent.
34.00	Bottom of hollow,100 ft.deep,course S.
	Begin abrupt ascent.
	Difference bet.measurements of 40.00 chs.,by two sets of chainmen is 6 lks.;position of middle point
	By 1st set,40.03 chs.,
	By 2nd set,39.97 chs.,the mean of which is
40.00	N.,1.9 lks.from the tangent.

	CHAINS	
		Set a sandstone,24x8x4 ins.,18 ins.in the ground,for standard ¼ sec.cor.,marked SC ¼ on N.face;and r ise a mound of stone,2 ft.base,1½ ft.high,N.of cor.
		Pits impracticable.
	43.00	Top of spur projects S.
		Begin abrupt descent.
	58.75	Bottom of hollow,200 ft.deep,course S.
		Begin abrupt ascent.
	69.00	Top of spur projects N.
		Begin abrupt descent.
	75.00	Bottom of hollow,100 ft.deep,course N.
		Ascend.
	78.00	Top of spur projects N.
		Descend.
		Difference bet. measurements of 80.00 chs.,by two sets of chainmen is 10 lks.;position of middle point
		By 1st set,NO.Cr. Man.,
		By 2nd set,79.(5 pts.,the mean of which is N.,3.4 lks.from the tangent
	80.00	Set a sandstone,18x15x10 ins.,18 ins.in the ground,for standard cor.of sec.32 and 33,marked SC on N.,with 2 grooves on the W.and 4 grooves on the E.face;and raise a mound of stone,3 ft.base,1½ ft.high,N.of cor.
		Pits impracticable.
		Land,mountainous.
		Soil;rocky,4th rate.
		No timber.
		Mountainous land on 80.00 chs.

		S.89°58'E.on the tangent S.of sec.33
		Descend over rocky land.
	4.00	Bottom of hollow,100 ft.deep,course N.
		Ascend.
	14.50	Wagon Road from Vernal to Dragon,bears N.and S.
		Difference bet.measurements of 40.00 chs.by two sets of

SECOND STANDARD PARALLEL SOUTH THROUGH R.25 E.

CHAINS	
	chainmen is 10 lks.;position of middle point
	By 1st set,40.05 chs.,
	By 2nd set,39.95 chs.,the mean of which is
40.00	N.,5.25 lks.from the tangent
	Set a sandstone,28x10x6 ins.,21 ins.in the ground,for
	standard ¼ sec.cor.,marked SC ¼ on N.face;and raise a
	mound of stone,2 ft.base,1½ ft.high,N.of cor.
	Pits impracticable.
	Enter scattering pinon timber.
	Difference bet.measurements of 80.00 chs.,by two sets of
	chainmen is 10 lks.;position of middle point
	By 1st set,80.05 chs.,
	By 2nd set,79.95 chs.,the mean of which is
80.00	N.,7.6 lks.from the tangent
	Set a sandstone,20x12x4 ins.,15 ins.in the ground,for
	standard cor.of secs.33 and 34,marked SC on N.with 3
	grooves on the E.and W.face;from which
	A pinon,7 ins.diam.,bears N.48½°E.,79 lks.dist.,
	marked T 10 S R 25 E S 34 B T.
	A pinon,5 ins.diam.,bears N.13°W.,72 lks.dist.,
	marked T 10 S R 25 E S 33 B T.
	Land,mountainous.
	Soil;rocky,4th rate.
	Timber,pinon pine
	Mountainous land on 80.00 chs.
	August 18 :At this cor.,I set off 13°04'N.on the decl.
	arc;and,at 0h 02m p.m.,l.m.t.,observe the sun on
	the meridian;the resulting lat.is 39°54'N.

	S.89°57'E.on the tangent S.of sec.34,
	Ascend abruptly over rocky land.
6.50	Top of spur projects S.
	Begin abrupt descent.
15.00	Bottom of hollow,150 ft.deep,course SW.

1931 - Set by E Kimmell - 3" long, 30" in ground. Std Cor to secs 33 and 34 Tablet in concrete Post, 14" square at top - std brass

	CHAINS	
		Begin abrupt ascent.
		Enter scattering cedar timber.
	38.00	Top of spur projects SW.
		Descend.
	33.00	Bottom of hollow,100 ft.deep,course SW.
		Ascend.
		Difference bet.measurements of 40.00 chs.,by two sets of chainmen is 12 lks.;position of middle point
		By 1st set,40.06 chs.,
		By 2nd set,39.94 chs.,the mean of which is
	40.00	N.,10.25 lks.from the tangent
		Set a sandstone,14x10x5 ins.,9 ins.in the ground,for standard ¼ sec.cor.,marked SC¼ on N.face;from which
		A pinon,8 ins.diam.,bears N.51°E.,1.05 chs.dist., marked S C ¼ S B T.
		A pinon,12 ins.diam.,bears N.28°W.,30 lks.dist., marked S C ¼ S B T.
	40.50	Top of ridge bears NE.and SW. Descend.
		Enter heavy cedar and pinon timber,bearing NE.and SW.
	46.50	Bottom of hollow,100 ft.deep,course SW.
		Ascend.
	53.00	Top of spur projects SW.
		Descend.
	61.00	Bottom of hollow,100 ft.deep,course SW.
		Ascend.
	68.00	Top of ridge bears NW.and SE.
		Begin abrupt descent.
	75.00	Bottom of hollow,200 ft.deep,course N.
		Begin abrupt ascent.
		Difference bet.measurements of 80.00 chs.by two sets of chainmen is 14 lks.;position of middle point
		By 1st set,80.07 chs.,
		By 2nd set,79.93 chs.,the mean of which is
	80.00	N.,13.0 lks.from the tangent

SECOND STANDARD PARALLEL SOUTH THROUGH R. 25 E.

CHAINS	
	Set a sandstone,24x9x4 ins.,18 ins.in the ground,for standard cor.of secs.34 and 35,marked SC on N.,with 4 grooves on the W.and 2 grooves on the E.face;from which
	A pinon,5 ins.diam.,bears N.25°E.,24 lks.dist., marked T 10S R 25 E S 35 B T.
	A pinon,5 ins.diam.,bears N.40°W.,19 lks.dist., marked T 10 S R 25 E S 34 B T.
	Land,mountainous.
	Soil:rocky,4th rate.
	Timber,cedar and pinon pine.
	Mountainous or heavily timbered land on 80.00 chs.

	S.89°56'E.on the tangent S.of sec.35,
	Ascend abruptly over rocky land through heavy cedar and pine timber.
5.50	Top of ridge bears N.and S.
	Begin abrupt descent.
27.00	Bottom of hollow,150 ft.deep,course N.
	Ascend.
31.00	Top of spur projects N.
	Descend.
37.50	Bottom of hollow,100 ft.deep,course N.
	Ascend.
	Difference bet.measurements of 40.00 chs.,by two sets of chainmen is 14 lks.;position of middle point
	By 1st set,40.07 chs.,
	By 2nd set,39.93 chs.,the mean of which is
40.00	N.,17 lks.from the tangent
	Set a sandstone,28x12x5 ins.,21 ins.in the ground,for standard ¼ sec.cor.,marked SC ¼ on N.face;from which
	A pinon,5 ins.diam.,bears N.53°E.,14 lks.dist., marked S C ¼ S B T.
	A cedar,5ins.diam.,bears N.2°W.,33 lks.dist., marked S C ¼ S B T.

SECOND STANDARD PARALLEL SOUTH THROUGH R.35 E.

CHAINS	COLORADO
47.75	Top of ridge bears N.and S.
	Descend.
75.00	Bottom of hollow,course N.,50 ft.deep. Ascend.
	Leave timber,bearing N.and S.
	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.,
80.00	By 2nd set,79.92 chs.,the mean of which is N.,21 lks.from the tangent
	Set a sandstone,24x14x4 ins.,18 ins.in the ground,for standard cor.of secs.35 and 36,marked SC on N.face, with 5 grooves on the W.and 1 groove on the E.face; and raise a mound of stone,2 ft.base,1½ ft.high,N.of cor.
	Pits impracticable.
	Land,mountainous.
	Soil:rocky,4th rate.
	Timber,cedar and pinon pine.
	Mountainous land or heavily timbered on 80.00 chs.

	S.89°56'E.on the tangent S.of sec.36
	Ascend over rocky land.
3.00	Top of spur projects NE.
	Descend.
14.50	Bottom of hollow,300 ft.deep,course N.
	Begin abrupt ascent.
	Enter scattering cedar and pinon timber.
	Difference bet.measurements of 38.00 chs.,by two sets of chainmen is 14 lks.;position of middle point
	By 1st set,38.07 chs.,
38.00	By 2nd set,37.93 chs.,the mean of which is N.,25 lks.from the tangent
	Intersect Colorado-Utah state line,62.41 chs.S.0°10'E. of the 201 mile cor.,and 100.89 chs.W.,0°10'W.of the 199th mile cor.,heretofore described.

SECOND STANDARD PARALLEL SOUTH THROUGH R.25 E.

Set a sandstone,24x12x4 ins.,18 ins.in the ground,
for closing standard corner.of Tp.10 S.,R.25 E.,marked
U C C 25 E on W.,
S C 10 S.on N.,and
C on E.;with 6 grooves on the N.and W.faces;
from which

A pinon,8 ins.diam.,bears N.88°30'W.,10 lks.dist.,
marked T 10 S R 25 E S 36 B T.

A pinon,8 ins.diam.,bears N.18°W.,39 lks.dist.,
marked T 10 S R 25 E S 36 B T.

Land,mountainous.

Soil rocky,4th rate.

Timber scattering cedar and pinon pine.

Mountainous land on 38.00 chs.

August 18,1904.

For general description,see Subdivisions of
T.10 S.,R.25 E.

Frank M. Ferris,

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 .....

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

the Second Standard Parallel South, through Ranges 22,23,24, and 25 E. of the Salt Lake Base and Meridian, Utah,

showing the respective capacities in which they acted:

Charles Hoel, ... Lewis Hahn, ..., *Chainman.*

Earl Woolley, ... Heber Christensen, ..., *Chainman.*

Andrew Stumpf, ..., *Moundman.*

....., *Moundman.*

Edward J.Beaird, ..., *Axman.*

....., *Axman.*

John A.Neely, ..., *Flagman.*

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted .....

Harvey D.Heist, ..., United States Deputy Surveyor, in surveying all those parts or portions of the Second Standerd Parallel South, through Ranges 22,23,24 and 25 East.

.....

of the Salt Lake Base and ..... meridian, in the State of Utah. ....., which are represented in the foregoing field notes as having been surveyed by 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.

Charles Hoel ....., *Chainman.*

Lewis Hahn ....., *Chainman.*

Earl Woolley ....., *Moundman.*

Heber Christensen ....., *Moundman.*

Andrew Stumpf ....., *Axman.*

Edward J. Braird ....., *Axman.*

John A. Neely ....., *Flagman.*

Subscribed and sworn to before me this 18th. day of August, 1904. ....., 189

SEAL

J. M. Thompson
Notary Public

My commission expires Feb. 6th 1907.

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FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, Harvey D.Heist, 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 12th day of April,1904., 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 the Second Standard Parallel South, through Ranges 22, 23, 24 and 25 E.

of the Salt Lake Base and meridian, in the state of Utah., which are represented in the foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for 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.

in books I, L, Q and Y.

Harvey D. Heist

United States Deputy Surveyor

Subscribed by said Harvey D.Heist and sworn to before me this 25th day of November,1904., 189 .

SEAL

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

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City,Utah , May 27, 1905. 189 .

The foregoing field notes of the survey of the Second Standard Parallel South, through Range 25 E. of the Salt Lake Base and Meridian,Utah;

executed by Alfredo R.Talamantes and Harvey D.Heist,U.S.Deputy Surveyors under their contract No. 285, dated April 12, 1904, , 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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FILED

AUG 31 1904

BOOK A-325

FIELD NOTES

OF THE SURVEY OF THE

N-O-R-T-H B-O-U-N-D-A-R-Y

of

Township No. 2 South,

Range No. 25 East.

[illegible] will be set [illegible]

in the place of this.

AS RUN AND MARKED BY

[illegible] and Perry Durbin, [illegible]

Field Journal No. 325 dated April 22, 1904.

Survey commenced August 18, 1904.

Survey completed August 22, 1904.

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BOOK A-325

NAMES AND DUTIES OF ASSISTANTS.

Earl Woolley	Chairman.
Heber Christensen	"
Andrew Stumpf	Mounrdman.
Edward J.Beaird,	AXMAN.
John A.Neely	FLAGMAN.

For preliminary affidavits see book "C" T.9 S.R.21 E.

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BOOK A-325

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

_____, *Cha*

_____, *Cha*

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 establis
of corners, according to the instructions given us, to the best of our skill and ability, in the sur

_____, *Moun*

_____, *Moun*

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

_____, *Ax*

_____, *Ax*

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

SEAL

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

_____, *Flag*

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

SEAL

North Bdy. of T. 9 S., R. 25 E.

Survey commenced, August 18, 1904, and executed with the instrument described in book "O", 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. to Tps. 8 and 9 S., Rs. 24 and 25 E., heretofore described, on the Guide Meridian, in approximate latitude 40° 04' N., longitude 109° 11' W., I set off 40° 04' N. on lat. arc, 13° 08' N. on decl. arc, and mark a point on the meridian determined by the solar, on a stone, firmly set in the ground, 5.00 chs. N. of the cor. at 4h. 0m. p.m.

At 9h. 41m., p.m., l.m.t., I observe Polaris at eastern elongation, in accordance with the Manual of Instructions and mark a point in the line thus determined, on a peg driven in the ground, 5.00 chs. N. of my station.

August 18, 1904.

August 19: At 6 a.m., 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 last night, on which the meridian falls 0.3 ins. east of the mark determined by the solar.

At 7 a.m., l.m.t., I set off 40° 04' N. on lat. arc, 12° 50' N. on decl. arc, and mark a point in the meridian determined with the solar, by a cross on the stone, already set 5.00 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' 11" west and 0' 16" east of the meridian established by the Polaris observation; therefore, I conclude that the adjustments of the instrument are satisfactory.

North Bdy.of T.9 S.,R.25 E.

CHAINS	
	The magnetic bearing of the true meridian at 7h.30m.a.m. is N.15°58'W.,the angle thus determined gives the magnetic decl.15°58'E.
	As the Utah-Colorado boundary line passes through Range 25 E.,I run the north bdy.of this Tp.as follows:
	East,bet.secs.6 and 31.
	Ascend over broken,rocky land,through dense artemisia.
40.00	Set a sandstone,20x12x3 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.
52.00	Top of ridge,bears N.and S.
	Descend.
79.75	Bottom of hollow,150 ft.deep,course N.
	Ascend.
80.00	Set a sandstone,10x8x8 ins.,11 ins.in the ground,for cor.of secs.5-6-31 and 32,marked with 1 notch on W.and 5 notches on E.edges,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 and dense undergrowth on 80.00 chs.

	East,bet.secs.5 and 32.
	Ascend over broken ,rocky land,through dense artemisia.
40.00	Set a sandstone,24x14x3 ins.,18 ins.in the ground,for ¼ sec.cor.,marked ¼ on N.face,and raise a mound of stone, 3 ft.base,1½ ft.high,N.of cor.
	Pits impracticable.
52.00	Top of ridge,bears N.E.and S.W.
	Descend.
55.00	Bottom of hollow,100 ft.deep,course N.E.
	Ascend.
57.20	Top of spur,projects N.

North Bdy.of T.9 S.,R.25 E.

CHAINS	
	Descend.
69.00	Bottom of hollow,100 ft.deep,course N.W.
	Ascend.
80.00	Set a sandstone,14x10x4 ins.,9 ins.in the ground,for cor.of secs.4-5-32 and 33,marked with 2 notches on W.and 4 notches on E.edges,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 and dense undergrowth on 80.00 chs.

East,bet.secs.4 and 33.

Ascend over rocky land through dense artemisia.

2.25	Top of spur,projects S.E.
	Descend.
28.50	Bottom of hollow,150 ft.deep,course S.W.
	Ascend.
38.25	Top of spur,projects S.
	Descend.
40.00	Set a sandstone,18x10x4 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.
47.50	Bottom of hollow,150 ft.deep,course S.
	Ascend.
55.00	Top of spur,projects S.
	Descend.
63.00	Bottom of hollow,150 ft.deep,course S.
	Ascend.
80.00	Set a sandstone,18x8x8 ins.,12 ins.in the ground,for cor. of secs.3-4-33 and 34,marked with 3 notches on E.and W. edges,and raise a mound of stone,3 ft.base,1½ ft,high,

North Bdy.of T.9 S.,R.25 E.

CHAINS	
	W.of cor.
	Pits impracticable.
	Land,mountainous.
	Soil,rocky,3rd.rate.
	No timber.
	Mountainous land and dense undergrowth on 80.00 chs.

East,bet.secs.3 and 34.

	Ascend over rocky land,through dense artemisia.
38.00	Top of ridge,bears N.E.and S.W.
	Descend.
40.00	Set a sandstone,18x10x4 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.
76.00	Bottom of hollow,150 ft.deep,course S.
	Ascend.
80.00	Set a sandstone,18x8x8 ins.,12 ins.in the ground,for cor. of secs.2-3-34 and 35,marked with 4 notches on W.and 2 notches on E.edges,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 and dense undergrowth on 80.00 chs.
	August 19: At this cor.I set off 12°45'N.on decl.arc, and at 0h.04m.,p.m.,l.m.t.,observe the sun on the meridian,the resulting lat.is 40°04'N.

East,bet.secs.2 and 35.

	Ascend over rocky land,through dense artemisia.
14.00	Top of ridge,bears N.and S.
	Descend.

North Bdy.of T.9 S.,R.25 E.

CHAINS	
40.00	Set a sandstone,18x9x8 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.
46.00	Bottom of hollow,200 ft.deep,course N.E.
	Begin abrupt ascent.
58.00	Top of ridge,bears N.E.and S.W.
	Descend.
80.00	Set a sandstone,20x10x7 ins.,15 ins.in the ground,for cor.of secs.1-2-35 and 36,marked with 5 notches on W. and 1 notch on E.edges,and raise a mound of stone,2 ft. base,1½ ft.high,W.of cor.
	Pits impracticable.
	Land,mountainous.
	Soil,rocky,3rd.rate.
	No timber.
	Mountainous land and dense artemisia on 80.00 chs.

East,bet.secs.1 and 36.

Over rocky land,descend through dense artemisia.

17.00	Bottom of hollow,150 feet deep,course N.E.
	Begin abrupt ascent.
31.00	Top of ridge,bears N.E.and S.W.
	Descend.
34.78	Intersect the Utah-Colorado boundary line,37.12 chs. S.0°07'W.,from the 214 mile cor.,heretofore described.
	Set a sandstone,20x8x8 ins.,15 ins.in the ground,for closing cor.for Tps.8 and 9 S.,R.25 E.marked U CC 25 E on W.,8 S on N.,9 S on S.,C on E.,and 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.
	Land,mountainous.
	Soil,rocky,3rd.rate.
	No timber.

North Bdy.of T.9 S.,R.25 E.

CHAINS

Mountainous land on 34.72. chs.

August 19,1904.

For general description,see,subdivisions of

T.9 S.,R.25 E.

Boundaries of T.9 S.,R.25 E.

Latitudes,departures and closing errors.

Line Designated	True Bearing	Dist.	Latitudes N.	Latitudes S.	Departures E.	Departures W.
			chs.	chs.	chs.	chs.
North Bdy.	West	434.72				434.72
Guide Mer.	South	478.00		478.00.		
South Bdy.	East	435.70			435.70.	
Utah-Colorado Bdy.line	N.0°38'W.	65.53	65.53			0.72
	N.0°40'W.	74.25	74.25			0.86
	N.0°38'E.,	113.60	113,60		1.26.	
	N.0°04'W.	101.27	101.27			0.12
	N.0°03'W.	80.33	80.33			0.07
	N.0°07'E.	43.10	43.10		0.09.	
Convergency						0.61
Totals			478.08	478.00	437.05	437.10
			478.00			437.05
		Error in lat.	0.08		Error in dep.	0.05

Harry H. Hunt

U.S.Deputy Surveyor.

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

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

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

.....

showing the respective capacities in which they acted:

For final affidavits see book "Z[11]" T.12 S.R.24 E., *Chainman.*

....., *Chainman.*

....., *Moundman.*

....., *Moundman.*

....., *Axman.*

....., *Axman.*

....., *Flagman.*

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted .....

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

.....

.....

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

..... meridian, ... of ....., which are represented 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 proper monuments established, according to the instructions furnished by the United States Surveyor General for .....

For final affidavits see book "Z[11]" T.12 S.R.24 E., *Chainman.*

....., *Chainman.*

....., *Moundman.*

....., *Moundman.*

....., *Axman.*

....., *Axman.*

....., *Flagman.*

.....

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

SEAL

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FINAL OATH OF UNITED STATES DEPUTY [illegible]

I, _____, United States Deputy [illegible]
solemnly swear that, in pursuance of a contract received from _____
United States Surveyor General for _____, bearing date
_____ day of _____, 190 , I have well, faithfully, and truly, in my
proper person, and in strict conformity with the instructions furnished by the United States Surv
General for _____, the Manual of Surveying Instructions, and the laws of
United States, surveyed all those parts or portions of
For final affidavit see book "E" 11 " 7.12 S.R.24 E.

_____ of the _____
_____ meridian, in the _____ of _____, which are represented in t
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 _____ and in the specific manner described in the field notes, and th
the foregoing are the original field notes of such survey.

United States Deputy Surveyo

Subscribed by said _____, and sworn to before me
this _____ day of _____ 190 {

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL.

Salt Lake City, Utah , May 27 , 1905

The foregoing field notes of the survey of the North Boundary of Township No.6
South, Range No.25 East of the Salt Lake Base and Meridian, Utah,

executed by Alfredo R.Talamantes and Harvey D.Heist, U.S.Deputy Surveyors
[illegible]
under Contract No. 385 dated April 12, 1904, 19[illegible], having been
carefully examined and the necessary corrections and explanations made, the said field notes, and the
surveys they describe are hereby approved

Elwin Ridgway
United States Surveyor General

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

United States Surveyor Ge[illegible]

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BOOK A-325

FIELD NOTES

OF THE SURVEY OF THE

N-O-R-T-H B-O-U-N-D-A-R-Y

of

Township No. 10 South,

Range No. 25 East,

Of the Salt Lake Base and *Meridian,*

in the state of Utah.

AS SURVEYED BY

Fredo R. Talamantes and Harvey D. Heist, *United States Deputy Surveyor,* S

Under their *Contract No.* 285, *dated* April 12, 1904.

Survey commenced August 19, 1904

Survey completed August 19, 1904.

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FILED

AUG 31 1904

BOOK A-325

NAMES AND DUTIES OF ASSISTANTS.

Earl Woolley, Chainman.

Heber Christensen,

Andrew Stumpf, Rounderman.

Edward J.Beaird, Axman.

John A.Neely, Flagman

For preliminary oaths, see book" C ", of this survey.

BOOK A-325

INDEX DIAGRAM.

Township 10 South, , *Range* 25 East.

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

.....

.....*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

.....

.....*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

.....

.....*Axman*

.....*Axman*

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

SEAL

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

.....*Flagman*

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

SEAL

North Boundary of T.10 S.,R.25 E.

REMARKS

Survey commenced August 19,1904,and executed with the instrument described on book "A" of this survey.

I know the instrument to be in adjustment from recent observations made August 17 and 18, 1904,and recorded in book "Y"., of this survey.

As the Utah- Colorado boundary line passes through Range 25 E.,I run the north boundary of this township as follows:

At the cor.of Tps. 9 and 10 S.,Rs.24 and 25 E.,heretofore described on the Guide Meridian,in approximate latitude 39°59'N.,longitude 109°11'W.,at 7 a.m.,l.m.t.,I set off 12°50'N.on the decl.arc;39°59'N.on the lat.arc,and determine a meridian with the solar.

Thence I run

East,bet.secs.6 and 31.

	Descend over rocky land,
4.50	Bottom of hollow,150 ft.deep,course S.W. Ascend.
12.00	Top of ridge,bears N.and S.
	Begin abrupt descent.
28.00	Bottom of hollow,200 ft.deep,course S.E.
	Begin abrupt ascent.
29.00	Top of spur,projects S.W. Descend.
35.00	Bottom of hollow,50 ft.deep,course S.W. Ascend.
40.00	Set a sandstone,16x8x4 ins.,11 ins.in the ground,for ¼ sec.cor.,marked ¼ on N.face,and raise a mound of stone, 2 ft.base,½ ft.high,N.of cor.
	Pits impracticable.
65.00	Top of spur,projects S.W. Descend.
72.00	Bottom of hollow,150 ft.deep,course S.W. Ascend.
80.00	Set a sandstone,15x12x5 ins.,10 ins.in the ground,for cor.of secs.5-6-31 and 32,marked with 5 notches on the E.and 1 notch on the W.edges,and raise a mound of stone, 2 ft.base,½ ft.high,W.of cor.
	Pits impracticable.

North boundary of T.10 S.,R.25 E.

CHAINS		REMARKS
	Land, mountainous.	
	Soil, rocky, 3rd. rate.	
	No timber.	
	Mountainous land on 80.00 chs.	
	East, bet. secs. 5 and 32.	
	Ascend over rocky land.	
3.00	Wagon road, to White River bears SW. and NE.	
24.00	Top of spur, projects S.E.	
	Begin abrupt descent.	
39.00	Bottom of hollow, 800 ft. below top of spur, course S.E.	
	Begin abrupt ascent.	
40.00	Set a sandstone 16x14x4 ins., 11 ins. in the ground, for ¼ sec. cor., marked ¼ on N. face, and raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.	
	Pits impracticable.	
42.00	Top of spur, projects S.E.	
	Begin abrupt descent.	
43.00	Enter bottom along White River, bears N.E. and S.W.	
	Enter dense greasewoodbrush, willow brush and scattering cottonwood timber.	
47.00	Right bank of White River, course S.W.; 1.50 chs. wide.	
48.54	Left bank of White River.	
50.50	Leave river bottom, bears N.E. and S.W.	
	Leave timber.	
	Ascend.	
56.00	Top of spur, projects N.	
	Descend.	
68.00	Mouth of Gilsonite Gulch, course from the S.E.	
	Begin abrupt ascent.	
80.00	Set a limestone, 24x15x4 ins., 18 ins. in the ground, for cor. of secs. 4-5-32 and 33, marked with 4 notches on the E. and	

North Boundary of T.10 S.,R.25 E.

CHAINS	
	2 notches on the W.edges,and raise a mound of stone,2 ft. base,1½ ft.high,W.of cor.,
	Pits impracticable.
	Land,mountainous.
	Soil,rocky,3rd.rate on 72.50 chs.
	bottom land 2nd.rate on 7.50 chs.
	Timber,scattering cottonwoods.
	Mountainous land or dense undergrowth on 80.00 chs.

	East,bet.secs.4 and 33.
	Ascend abruptly over rocky land.
5.00	Top of spur,projects N.
	Begin abrupt descent.
9.50	Bottom of hollow,150 ft.deep,course N.
	Begin abrupt ascent.
20.50	Top of spur,projects N.
	Begin abrupt descent along steep north slope.
40.00	Set a sandstone,20x18x3 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.
44.00	Bottom of hollow,150 ft.deep,course N.
	Begin abrupt ascent.
55.00	Top of spur,projects N.
	Begin abrupt descent.
70.50	Enter bottom along White River,bears S.E.and N.W.
	Enter dense greasewood brush.
77.00	Leave bottom land,bears N.E.and S.W.
	Begin abrupt ascent.
80.00	Set a limestone,20x15x4 ins.,15 ins.in the ground,for cor.of secs.3-4-33 and 34,marked with 3 notches on E. and W.edges,and raise a mound of stone,2 ft.base,1½ ft. high,W.of cor.

North Boundary of T.10 S.,R.25 E.,

CHAINS	
	Pits impracticable.
	Land,mountainous.
	Soil,rocky,3rd.rate on 73.00 chs.
	bottom land 2nd.rate on 7.00 chs.
	No timber.
	Mountainous land or dense undergrowth on 80.00 chs.
	August 19: At this cor.I set off 12°45'N.on decl.arc; and at 0h.04m.,p.m.,l.m.t.,observe the sun on the meridian,the resulting lat.is 39°59'N.

	East,bet.secs.3 and 34.
	Ascend abruptly over rocky land.
40.00	Set a limestone,24x15x2 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.
42.00	Top of spur,projects N.
	Begin abrupt descent.
47.00	Bottom of hollow,150 ft.deep,course N.
	Begin abrupt ascent.
57.00	Top of spur,projects N.
	Begin abrupt descent.
65.00	Bottom of hollow,300 ft.deep,course N.
	Begin abrupt ascent.
76.00	Top of spur,projects N.
	Begin abrupt descent.
80.00	Set a limestone,20x12x3 ins.,15 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.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.

North boundary of T.10 S.,R.25 E.

CHAINS	
	Mountainous land on 80 .00 chs.
	East,bet.secs.2 and 35.
	Descend abruptly over rocky land.
6.50	Bottom of hollow,300 ft.deep,course N.W.
	Begin abrupt ascent.
18.00	Top of spur,projects S. Descend.
24.00	Bottom of hollow,150 ft.deep,course S.
	Begin abrupt ascent.
40.00	Set a sandstone,32x8x3 ins.,24 ins.in the 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.
71.00	Enter scattering cedar and pinon timber.
75.00	Top of ridge,bears N.W.and S.E.
	Descend.
80.00	Set a sandstone,24x8x4 ins.,18 ins.in the ground,for cor. of secs.1-2-35 and 36,marked withe 1 notch on E.and 5 notches on W.edges,from which
	A cedar,12 ins.diam.,bears N.71°E.,77 lks.dist., marked T.9 S R 25 E S 36 B T
	A pinon,4 ins,diam.,bears S.11°E.,72 lks.dist., marked T 10 S R 25 E S 1 B T.
	A cedar,8 ins.diam.,bears S.30°W.,66 lks.dist., marked T 10 S R 25 E S 2 B T.
	A cedar,5 ins.diam.,bears N.65°W.,36 lks.dist., marked T 9 S R 25 E S 35 B T
	Land,mountainous.
	Soil,rocky,3rd.rate.
	Timber,scattering cedar and pinon on 9.00 chs.
	Mountainous land on 80.00 chs.

North Boundary of T.10 S.,R.25 E.

CHAINS

East,bet.secs.1 and 36.

Descend over rocky land through scattering cedar and pinon timber.

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

Ascend.

25.75 Top of ridge,bears N.and S.

Descend.

35.70 Intersect Colorado-Utah boundary line,15.05 chs.,N.0°38'W. of the 20th Mile Cor.,heretofore described.

Set a sandstone,15x13x7 ins.,10 ins.in the ground,for closing cor.to Tps.9 and 10 S.,R.25 E.,marked C on E.,U C C on W.and with 6 grooves on N.S.and W.faces,

from which

A cedar,8 ins.diam.,bears N.40°W.,37 lks.dist., marked T 9 S R 25 E S 36 B T.

A pinon,9 ins.diam.,bears S.19°W.,26 lks.dist., marked T 10 S R 25 E S 1 B T.

This cor.is set in the bottom of a hollow,100 ft.deep, course N.

Land,mountainous.

Soil,rocky,3rd.rate.

Timber,cedar and pinon pine.

Mountainous land on 35.70 chs.

August 19,1904.

For general description,see subdivisions of T.10 S.,R.25 E.

Boundaries of T.10 S.,R.25 E.

Latitudes,departures and closing errors.

Line Designated	True Bearing	Dist.	Latitudes N.	Latitudes S.	Departures E.	Departures W.
			chs.	chs.	chs.	chs.
2nd.Stan.Par.S.	East...	438.00			438.00	
Utah-Colorado bdy.line	N.0°10'W.	62.41	62.41			0.18
	N.0°09'W.	100.62	100.62			0.26
	N.0°18'W.	60.57	60.57			0.32
	N.0°25'W.	82.75	82.75			0.60
	N.0°10'W.	82.76	82.76			0.24
	North	76.09	76.09			
	N.0°38'W.	15.05	15.05			0.17
North Bdy. Guide Meridian or P.Bdy.	West	435.70				435.70
Convergency	South	480.31		480.31		0.61
Totals			480.25	480.31	438.00	438.08
				480.25		438.00
Error in lat.and dep.....				0.06		0.08

Harvey L. Frost

U.S.Deputy Surveyor.

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

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

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

.....

showing the respective capacities in which they acted:

For final affidavits see book "Z[11]" T.12 S.R.24 E....., *Chainman.*

....., *Chainman.*

....., *Moundman.*

....., *Moundman.*

....., *Axman.*

....., *Axman.*

....., *Flagman.*

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted .....

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

.....

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

meridian, ... of ....., which are represented 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 .....

For final affidavits see book "Z[11]" T 12 S.R. 24 E....., *Chainman.*

....., *Chainman.*

....., *Moundman.*

....., *Moundman.*

....., *Axman.*

....., *Axman.*

....., *Flagman.*

.....

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

SEAL

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FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, _____, United States Deputy Surveyor, 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 proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for _____, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of _____

For final affidavit see book "I" 11 " P.12 S.R.24 E.

_____ of the _____

_____ which are represented in the foregoing field notes; that all the duties required by my contract, and by the instructions of the United States Surveyor General, and all those imposed by the Manual of Surveying Instructions, and by special written instructions of the United States Surveyor General, have been performed; and that the descriptions of the lines run, and the boundaries and contents of the several tracts returned as surveyed, are true and correct, to the best of my knowledge and belief; that the said lines were actually run and the said tracts actually surveyed by me or under my personal direction; that the said tracts do not include any body of land which should be reserved from survey or sale as mineral land, or as containing deposits of coal, or other valuable minerals; that no conflict with the surveys of previously authorized surveyors exists, as far as I have been able to ascertain, except as stated in the foregoing field notes; that no person interested in the survey has, directly or indirectly, any claim to, or interest in, any of the tracts returned as surveyed, or any portion thereof, to the best of my knowledge and belief; that no person or persons have been employed or consulted by me, or with my knowledge or consent, in relation to making the survey, or the selection of the tracts returned as surveyed, with a view to their purchase by any person whatsoever; and that I have not, directly or indirectly, purchased, or become interested in the purchase of, the whole or any part of the tracts returned as surveyed. And I do further solemnly swear that all the expenses of said survey, and all expenditures incurred in connection therewith, have been paid by me, and that no bill or claim for any part of said expenses remains unsettled, to the best of my knowledge and belief. So help me God.

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

_____

_____

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL

Salt Lake City, Utah, May 27 1904.

The foregoing field notes of the survey of the North Boundary of Township No. 10 South, Range No. 25 East of the Salt Lake Base and Meridian, Utah,

executed by Alfredo R. Talamantes and Harvey D. Heist, U.S. Deputy Surveyors under his contract No. 285 dated April 13, 1904,

XXX, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Edward Rawlins
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-325

FILED

AUG 31 1904

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FIELD NOTES

OF THE SURVEY OF THE

SUBDIVISIONS

OF

[illegible]

[illegible]

Of the SALT LAKE MERIDIAN *Meridian,*

IN THE STATE OF UTAH,

AS SURVEYED BY

[illegible] *United States Deputy Surveyor,*

Under Contract No. 1869, *dated* August 20, 1904.

Survey commenced August 20, 1904.

Survey completed August 27, 1904.

NAMES AND DUTIES OF ASSISTANTS

Earl Woolley	Chairman.
Heber Christensen	"
Andrew Stumpf	Moundman.
Edward J.Beaird	Axman.
John A.Neely	Flagman.

For preliminary oaths see book "D" T. 9 S., R. 21 E.

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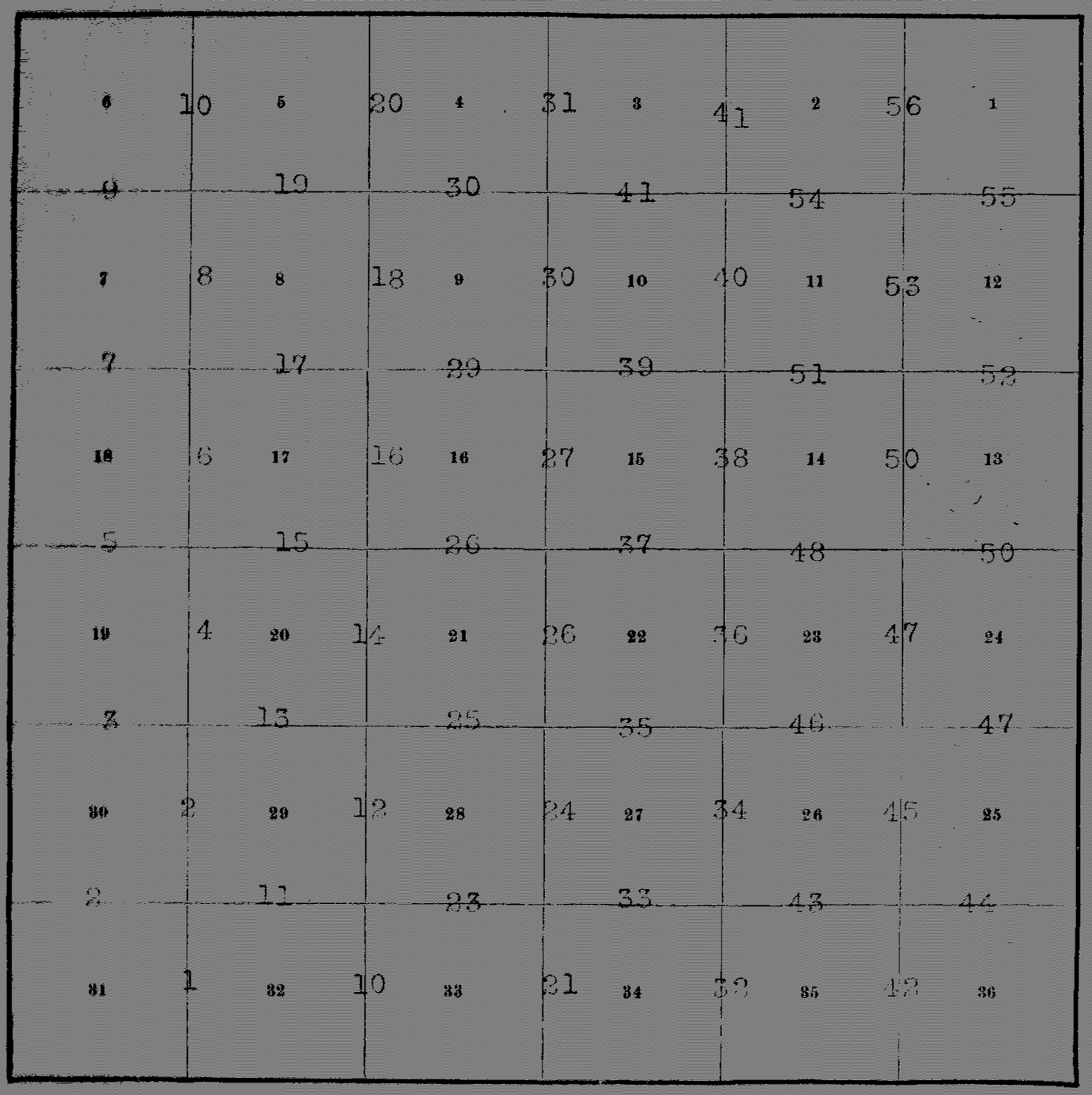
BOOK A-325

INDEX DIAGRAM.

Township 10 South, , *Range* 25 East.



Meanders Page

PRELIMINARY OATHS OF ASSISTANTS.

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

_____

_____, *Chainm*

_____, *Chainm*

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

SEAL

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

_____

_____, *Moundma*

_____, *Moundma*

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

SEAL

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

_____

_____, *Axman*

_____, *Axman*

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

SEAL

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

_____, *Flagman*

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

SEAL

Subdivisions of T.10 S.,R.25 E.

REMARKS

Survey commenced,August 20,1904,and executed with the instrument described in book "A" of this survey.

I know the instrument to be in adjustment by recent observations made August 17 and 18,1904,and recorded in book "Y" of this survey.

As the Colorado-Utah boundary line runs through range 25 E.I subdivide this township from west to east as follows:

I begin at the Standard Cor.of secs.31 and 32,heretofore described on the S.bdy.of the township,at 7 a.m.,l.m.t.

I set off 39°54'N.on the lat.arc:12°31'N.on decl.arc, and determine a meridian with the solar.

Thence I run

N.0°01'E.,bet.secs.31 and 32.

Ascend over rocky land.

7.57 Top of spur,projects S.W.

Begin abrupt descent.

27.20 Bottom of hollow,150 ft.deep,course S.W.

Begin abrupt ascent.

40.00 Set a sandstone,18x9x5 ins.,12 ins.in the ground,for 1/4 sec.cor.,marked 1/4 on W.face,and raise a mound of stone, 2 ft.base,1½ ft.high,W.of cor.

Pits impracticable.

48.50 Top of ridge,bears N.E.and S.W.

Descend.

80.00 Set a sandstone,28x11x4 ins.,21 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.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.

Subdivisions of T.10 S.,R.25 E.

CHAINS	
	West on a random line,bet.secs.30 and 31.
40.00	Set temp.¼ sec.cor.
79.92	Intersect Guide Meridian,5 lks.S.of the cor.of secs. 25-30-31 and 36,heretofore described.
	Thence I run
	S.89°58'E.,on a true line,
	Bet.secs.30 and 31.
	Descend over rolling,rocky land.
39.00	Bottom of hollow,100 ft.deep,course N.
	Ascend.
39.96	Set a sandstone,28x15x8 ins.,21 ins.in the ground,for ¼ sec.cor.,marked ¼ on N.face,and raise a mound of stone 2 ft.base,1½ ft.high,N.of cor.
	Pits impracticable.
45.00	Top of spur,projects N.
	Descend.
61.20	Bottom of hollow,100 ft.deep,course N.
	Ascend.
71.00	Top of spur,projects N.
	Descend.
78.00	Bottom of hollow,100 ft.deep,course N.
	Ascend.
79.92	The cor.of secs.29-30-31 and 32.
	Land,mountainous.
	Soil,rocky,3rd.rate.
	No timber.
	Mountainous land on 79.92 chs.

	N.0°01'E.,bet.secs.29 and 30.
	Descend over rocky land.
9.00	Bottom of hollow,100 ft.deep,course N.E.
	Ascend.
13.00	Top of spur,projects E.
	Descend.

Subdivisions of T.10 S.,R.25 E.

CHAINS	
27.00	Bottom of hollow,150 ft.deep,course S.W.
	Begin abrupt ascent.
40.00	Set a sandstone,27x12x4 ins.,21 ins.in the ground,for ¼ sec.cor.,marked ¼ on W.face,and raise a mound of stone, 2 ft.base,1½ ft.high.W.of cor.
	Pits impracticable.
55.00	Top of ridge,bears N.E.and S.W.
	Descend.
80.00	Set a sandstone,24x10x8 ins.,18 ins.in the ground,for cor.of secs.19-20-29 and 30,marked with 2 notches ons. and 5 notches on E.edges,and raise a mound of stone,2 ft. base.1½ ft.high,W.of cor.
	Pits impracticable.
	Land,mountainous.
	Soil,rocky,3rd.rate.
	No timber.
	Mountainous land on 80.00 chs.

	N.89°58'W.,on a randon line,bet.secs.19 and 30.
40.00	Set temp. ¼ sec.cor.
79.98	Intersect Guide Meridian,3 lks.N.of the cor.of secs. 19-24-25 and 30,heretofore described.
	Thence I run
	S.89°59'E.,on a true line,
	Bet.secs.19 and 30.
	Descend over gravelly land.
4.00	Bottom of hollow,100 ft.deep,course N.W.
	Ascend.
24.00	Top of ridge,bears N.E.and S.W.
	Begin abrupt descent.
39.99	Set a sandstone,32x20x6 ins.,24 ins.in the ground,for ¼ sec.cor.,marked ¼ on N.face,and raise a mound of stone, 2 ft.base,1½ ft.high,N.of cor.,
	Pits impracticable.
44.00	Bottom of hollow,150 ft.deep,course S.W.

CHAINS	
	Begin abrupt ascent.
79.98	The cor. of secs. 19-20-29 and 30.
	Land, mountainous.
	Soil, gravelly, 3rd. rate. No timber.
	Mountainous land on 79.98 chs.
	August 20: At this cor. I set off 12°25' E. on decl. arc, and at 0h. 03m., p.r., l.m.t., observe the sun on the meridian the resulting lat. is 39°56' N.

	N. 0°01' E., bet. secs. 19 and 20.
	Descend over rocky land.
3.00	Bottom of hollow, 50 ft. deep, course W.
	Ascend.
6.50	Top of spur, projects W.
	Descend.
11.50	Bottom of hollow, 100 ft. deep, course S.W.
	Ascend.
19.00	Top of ridge, bears E. and W.
	Descend.
28.00	Bottom of hollow, 75 ft. deep, course W.
	Ascend.
34.00	Top of spur, projects W.
	Descend.
40.00	Set a sandstone, 24x11x4 ins., 18 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face, and raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
	Pits impracticable.
47.00	Bottom of hollow, 75 ft. deep, course W.
	Ascend.
53.00	Top of ridge, bears N.W. and S.E.
	Descend.
80.00	Set a sandstone, 24x8x4 ins., 18 ins. in the ground, for cor. of secs. 17-18-19 and 20, marked with 3 notches on the S. and 5 notches on the E. edges, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

Subdivisions of T.10 S.,R.25 E.

CHAINS	
	Pits impracticable.
	Land,mountainous.
	Soil,rocky,3rd.rate.
	No timber.
	Mountainous land on 80,00 chs.

	N.89°59'W.,on a random line,bet.secs.18 and 19.
40.00	Set temp.¼ sec.cor.
80.10	Intersect Guide Meridian,7 lks.S.of the cor.of secs.
	13-18-19 and 24,heretofore described.
	Thence I run
	S.89°56'E.,on a true line,
	Bet.secs.18 and 19.
	Ascend over rocky land.
7.50	Top of ridge,bears N.W.and S.E.
	Descend.
23.50	Bottom of hollow,50 ft.deep,course N.W.
	Ascend.
29. 0	Top of ridge,bears N.W.and S.E.
	Descend.
49.55	Set a sandstone,20x16x3 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.
51. 0	Bottom of hollow,100 ft.deep,course N.
	Ascend.
56. 0	Top of spur,projects N.
	Descend.
60.00	Bottom of hollow,100 ft.deep,course N.
	Ascend.
68.00	Top of spur,projects N.
	Descend.
80.10	The cor.of secs.17-18-19 and 20.
	Land,mountainous.
	Soil,rocky,3rd.rate.

Subdivisions of T.10 S.,R.25 E.

CHAINS.	
	No timber.
	Mountainous land on 80.10 chs.
	N.0°01'E.,bet.secs.17 and 18.
	Descend through dense artemisia.
4.40	Wagon road from Vernal to Dragon,bears N.W.and S.E.
20.70	Bottom of hollow,150 ft.deep,course N.W.
	Ascend.
24.50	Top of spur,projects W.
	Descend.
26.25	Bottom of hollow,100 ft.deep,course S.W.
	Ascend.
32.00	Top of spur,projects W.
	Descend.
36.50	Bottom of hollow,150 ft.deep,course W.
	Ascend.
40.00	Set a sandstone,20x11x3 ins.,15 ins.in the ground,for 1/4 sec.cor.,marked 1/4 on W.face,and raise a amound of stone, 2 ft.base,1½ ft.high,W.of cor.
	Pits impracticable.
44.50	Top of spur,projects W.
	Descend.
47.00	Bottom of hollow,100 ft.deep,course W.
	Ascend.
58.00	Top of spur,projects N.W.
	Descend.
79.50	Bottom of hollow,200 ft.deep,course N.W.
	Ascend.
80.00	Set a sandstone,24x14x4 ins.,18 ins.in the ground,for cor.of secs.7-8-17 and 18,marked with 4 notches on the S and 5 notches on E.edges,and raise a mound of stone, 3 ft.base,1½ ft.high,W.of cor.
	Pits impracticable.
	Land,mountainous.

Chains	
	Soil,rocky,3rd.rate.
	No timber.
	Mountainous land or dense undergrouth 80.00 chs.

	N.89°56'W.,on a random line,bet.secs.7 and 18.
40.00	Set temp.¼ sec.cor.
80.08	Intersect Guide Meridian,7 lks.N.of the cor.of secs.
	7-12-13 and 18,heretofore described.
	Thence I run
	S.89°59'E.,on a true line,
	Bet.secs.7 and 18.
	Descend abruptly over rocky land.
5.80	Bottom of Evacuation Canon,400 ft.deep,course N.
	Begin abrupt ascent.
14.00	Top of rocky spur,projecting N.W.
	Begin abrupt descent.
36.59	Bottom of hollow,250 ft.deep,course N.W.
	Begin abrupt ascent.
43.04	Set a sandstone,36x10x4 ins.,27 ins.in the ground,for
	¼ sec.cor.,marked ¼ on N.face,and raise a mound of stone,
	2 ft.base,1½ ft.high,N.of cor.
	Pits impracticable.
48.00	Top of spur,projects N.W.
	Descend.
59.00	Bottom of hollow,100 ft.deep,course N.W.
	Ascend.
68.60	Top of spur,projects N.W.
	Descend.
79.00	Bottom of hollow,200 ft.deep,course N.W.
	Ascend.
80.08	The cor.of secs.7-8-17 and 18.
	Land,mountainous.
	Soil,rocky,3rd.rate.

Subdivisions of T.10 S.,R.25 E.

CHAINS	
	No timber.
	Mountainous land on 80.08 chs.
	N.0° 01'E.,bet.secs.7 and 8.
	Ascend abruptly over rocky land.
14.00	Top of spur,projects N.W.
	Begin abrupt descent.
22.00	Bottom of hollow,200 ft.deep,course N.W.
	Begin abrupt ascent.
28.00	Top of spur,projects N.W.
	Begin abrupt descent.
39.40	Bottom of hollow,200 ft.deep,course N.W.
	Begin abrupt ascent.
40.00	Set a sandstone,18x10x5 ins.,12 ins.in the ground,for ¼ sec.cor.,marked ¼ on W.face,and raise a mound of stone, 2 ft.base,1½ ft.high,W.of cor.
	Pits impracticable.
42.00	Top of spur,projects W.
	Descend.
43.50	Bottom of hollow,150 ft.deep,course S.W.
	Begin abrupt ascent.
49.70	Top of ridge,bears E.and W.
	Begin abrupt descent.
56.00	Enter bottom along White River,bears E.and W.
	Enter dense greasewood brush,willow brush and scattering cottonwood timber.
62.00	Left bank of White River,course W.; 1.15 chs.wide.
63.15	Right bank of White River.
68.00	Leave bottom land,bears E.and W.
	Begin abrupt ascent.
80.00	Set a sandstone,16x8x6 ins.,12 ins.in the ground,for cor.of secs.5-6-7 and 8,marked with 5 notches on the S.and E.edges;and raise a mound of stone,2 ft.base,1½ ft.high,W.of cor.

SUBDIVISIONS OF T.103.,R.25 E.

Pits impracticable.

Land,mountainous.

Soil:rocky,4th rate.,68.00 chs.;bottom lands,2nd rate,
12.00 chs.

Timber,cottonwood.

Mountainous land or dense undergrowth on 80.00 chs.

August 20.

August 20,1904:At 7h 01m a.m.,l.m.t.,I set off
39°58'N.on the lat.arc;12°11'W.on the decl.arc;and deter-
mine a meridian with the solar at the cor.of secs.
5-6-7 and 8.

Thence I run

N.89°59'W.on a random line bet.secs.6 and 7.

40.00 Set temp.¼ sec.cor.

80.04 Intersect Guide.Meridian .,5 lks.N.of the cor.of secs.
1-6-7 and 12,heretofore described.

Thence I run

N.89°59'E.on a true line

Bet.secs.6 and 7.

Ascend over rocky land.

40.02 Set a sandstone;16x10x6 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.

45.00 Top of spur projects S.

Descend.

60.50 Bottom of hollow,200 ft.deep,course SE.

Ascend.

72.00 Top of spur projects S.

Descend.

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

Land,mountainous.

Soil:rocky,4th rate.

No timber.

SUBDIVISIONS OF T. 10 S., R. 25 E.

CHAINS	
	Mountainous land on 80.04 chs.
	N.0°01'E. on a random line bet. secs. 5 and 6.
40.00	Set temp. ¼ sec. cor.
80.29	Intersect N. bdy. of the Tp., 5 lks. W. of the cor. of secs. 5-6-31 and 32, heretofore described.
	Thence I run
	S.0°03'W. on a true line
	bet. secs. 5 and 6.
	Descend over rocky land.
3.00	Wagon road from White River, bears E. and W.
15.00	Bottom of ravine, 100 ft. deep, course SE.
	Ascend.
22.00	Top of spur projects SE.
	Descend.
38.00	Bottom of hollow, 100 ft. deep, course SE.
	Ascend.
40.29	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.
48.00	Top of spur projects SE. Descend.
75.00	Bottom of hollow, 200 ft. deep, course SE.
	Ascend.
80.29	The cor. of secs. 5-6-7-8.
	Land, mountainous.
	Soil; rocky, 4th rate.
	No timber. Mountainous land on 80.29 chs.
	From the standard cor. of secs. 32 and 33, heretofore described, on S. bdy. of the Tp., I run
	N.0°01'E., bet. secs. 32 and 33.
	Descend abruptly over rocky land.
6.00	Bottom of hollow, 150 ft. deep, course W.
	Begin abrupt ascent.
15.35	Top of spur projects W.
	Descend.

78.00	Bottom of hollow,100 ft.deep,course SW.
	Ascend.
78.50	Top of spur projects SW.
	Descend.
77.50	Bottom of hollow,100 ft.deep,course SW.
	Ascend
40.00	Set a sandstone,20x8x8 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.
80.00	Set a sandstone,20x12x4 ins.,15 ins.in the ground,for cor.of secs.28-29-32 and 33,marked with 1 notch on the S.and 4 notches on the E.edge;and raise a mound of stone,2 ft.base,1½ ft.high,W.of cor.
	Pits impracticable.
	Land,mountainous.
	Soil;rocky,4th rate.
	No timber.
	Mountainous land on 80.00 chs.

	W.on a random line bet.secs.29 and 32.
40.00	Set temp.¼ sec.cor.
79.92	Intersect N.and S.line,5 lks.S.of the cor.of secs.29-30-31 and 32.
	Thence I run
	S.89°58'E.on a true line
	bet.secs:29 and 32.
	Ascend over rocky land.
2.00	Top of spur projects N.
	Descend.
6.50	Bottom of hollow,100 ft.deep,course NW.
	Ascend.
16.50	Top of spur projects NW.
	Descend.

SUBDIVISIONS OF T. 10 S., R. 25 E.

CHAINS	
20.00	Bottom of hollow, 100 ft. deep, course NW.
	Ascend.
30.00	Top of spur projects NW.
	Descend.
33.00	Bottom of hollow, 100 ft. deep, course NW.
	Ascend.
39.96	Set a sandstone, 28x8x6 ins., 21 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.
44.00	Top of ridge bears NE. and SW.
	Descend.
57.00	Bottom of hollow, 100 ft. deep, course SW.
	Ascend.
62.00	Top of spur projects SW.
	Descend.
65.25	Head of holow, course SW.
	Ascend.
75.50	Top of ridge bears NE. and SW.
	Descend.
79.92	The cor. of secs. 28-29-32 and 33.
	Land, mountainous.
	Soil; rocky, 4th rate.
	No timber.
	Mountainous land on 79.92 chs.
	August 21: At this cor., I set off 13°05' N. on the decl. arc; and at 0h. 03m. p.m., l.m.t., observe the sun on the meridian; the resulting lat. is 39°55' N.

N. 0°01' E., bet. secs. 28 and 29.

	Ascend over rocky land.
7.00	Top of ridge bears NE. and SW.
	Descend.
31.00	Bottom of hollow, 100 ft. deep, course W.
	Ascend.

SUBDIVISIONS OF T.10 S.,R.25 E.

20.00	Top of spur projects W.
	Descend.
28.50	Bottom of hollow,100 ft.deep,course W.
	Ascend.
40.00	Set a sandstone,28x10x4 ins.,21 ins.in the ground,for ¼ sec.cor.,marked ¼ on W.face;and raise a mound of stone,2 ft.base,1½ ft.high,W.of cor.
	Pits impracticable.
41.70	Top of spur projects W.
	Descend.
47.50	Wagon road from Vernal to Dragon bears NW.and SE.
59.50	Bottom of hollow,100 ft.deep,course W.
	Ascend.
80.00	Set a sandstone,34x10x5 ins.,18 ins.in the ground,for cor.of secs.20-21-28 and 29,marked with 2 notches on the S.and 4 notches on the E.edge;and raise a mound of stone,2 ft.base,1½ ft.high,W.of cor.
	Pits impracticable.
	Land,mountainous.
	Soil;rocky,4th rate.
	No timber.
	Mountainous land on 80.00 chs.

	N.89°58'W.on a random line bet.secs.20 and 29.
40.00	Set temp.¼ sec.cor.
80.04	Intersect N.and S.line,3 lks.S.of the cor.of secs.19-20-29 and 30.
	Thence I run
	S.89°57'E.on a true line
	bet.secs.20 and 29.
	Ascend abruptly over gravelly land.
29.00	Top of ridge bears NE.and SW.
	Descend.
35.25	Head of hollow,course SW.

SUBDIVISIONS OF T.10 S.,R.25 E.

CHAINS	
	Ascend.
40.02	Set a sandstone,18x10x3 ins.,12 ins.in the ground,for ¼ sec.cor.,marked ¼ on N.face;and raise a mound of stone,2 ft.base,1½ ft.high,N.of cor.
	Pits impracticable.
41.50	Top of ridge bears NW.and SE.
	Descend.
45.00	Bottom of hollow,100 ft.deep,course N.
	Ascend.
62.00	Top of ridge bears NE.and SW.
	Descend.
72.25	Wagon road Heber to.Dragon.bears NW.and SE.
73.00	Head of hollow,course SW. Ascend.
80.04	The cor.to secs.20,21,28 and 29.
	Land,mountainous.
	Soil;rocky,4th rate.
	No timber.
	Mountainous land on 80.04 chs.

	N.0°01'E.,bet.secs.20 and 21.
	Ascend over rocky land.
1.50	Top of ridge bears NW.and SE.
	Begin abrupt descent.
8.00	Bottom of hollow,150 ft.deep,course NW.
	Begin abrupt ascnt.
30.20	Top of ridge bears NW.and SE.
	Begin abrupt descent.
40.00	Set a sandstone,18x14x3 ins.,12 ins.in the ground,for ¼ sec.cor.,marked ¼ on W.face;and raise a mound of stone,2 ft.base,1½ ft.high,W.of cor
	Pits impracticable.
44.00	Bottom of hollow,150 ft.deep,course NW.
	Ascend.
50.00	Top of spur projects N.W.

SUBDIVISIONS OF T.10 S.,R.25 E.

MILES	
	Descend.
55.00	Bottom of hollow,150 ft.deep,course W.
	Ascend.
68.00	Top of spur projects E.
	Begin abrupt descent.
75.75	Bottom of hollow,175 ft.deep,course W.
	Begin abrupt ascent.
80.00	Set a sandstone,32x9x3 ins.,24 ins.in the ground,for cor.of secs.16-17-20 and 21,marked with 3 notches on the E.and 4 notches on the E.edge;and mound of stone,2 ft.base,1 ft.high,W.of cor.
	Pits impracticable.
	Land,mountainous.
	Soil;rocky,thin soil.
	No timber.
	Mountainous land on 80.00 chs.
	N.89°57'W.on a marked line bet.secs.17 and 20.
40.00	Set temp.¼ sec.cor.
80.08	Intersect N.and S.line,3 ins.E.of the cor.of secs. 17-18-19 and 20.
	Thence I run
	S.89°57'E.on a true line
	bet.secs.17 and 20.
	Descend through dense arterials.
4.65	Ta jon road from Vernal to Dragon house W.and S.
15.00	Bottom of hollow,140 ft.deep,course N.
	Ascend.
20.00	Top of spur projects N.
	Descend.
25.00	Bottom of hollow,100 ft.deep,course N.
	Ascend.
37.00	Top of spur projects N.
	Descend.

SUBDIVISIONS OF T.10 S.,R.25 E.

CHAINS	
40.04	In bottom of hollow,100 ft.deep,course NW., set a sandstone,24x10x8 ins.,18 ins.in the ground,for ¼ sec.cor.,marked ¼ on N.face:and raise a mound of stone,2 ft.base,½ ft.high,N.of cor. Pits impracticable.
51.25	Top of ridge bears N.and S. Descend.
58.00	Bottom of hollow,150 ft.deep,course NE. Begin abrupt ascent.
64.90	Top of spur projects NE. Descend.
75.00	Bottom of hollow,300 ft.deep,course N. Begin abrupt ascent.
80.08	The cor of secs.16-17-20 and 21. Land,mountainous. Soil:rocky,4th rate. No timber. Mountainous land and dense undergrowth on 80.08 chs.

August 21,1904.

August 22nd 7h 01m a.m.,l.m.t.,I set off 39°56'N. on the 1st.arc;11°51'Non 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°01'E.,bet.secs.16 and 17.

Ascend over rocky land.

1.00	Top of spur projects NE. Begin abrupt descent.
11.00	Bottom of hollow,300 ft.deep,course NE. Begin abrupt ascent.
37.00	Top of spur projects E. Begin abrupt descent.
40.00	Set a sandstone,18x12x7 ins.,13 ins.in the ground,

for ¼ sec.cor.,marked ¼ on W.face;and raise a mound of stone,2 ft.base,1½ ft.high,W.of cor.

Pits impracticable.

44.00 Bottom of Hell's Hole Canon,800 ft.deep,course NW.

Begin abrupt ascnt.

70.50 Top of spur projects W.

Descend.

80.00 Set a sandstone,28x12x3 ins.,21 ins.in the ground,for cor.of secs.8-9-16 and 17,marked with 4 notches on the S.and E.eges;and raise a mound of stone,2 ft.base,1½ ft.high,W.of cor.

Pits impracticable.

Land,mountainous.

Soil;rocky,4th rate.

No timber.

Mountainous land on 80.00chs.

N.89°56'W.on a random line bet.secs.8 and 17.

40.00 Set temp.¼ sec.cor.

80.06 Intersect N.and S.line,12 lks.N.of the cor.of secs. 7-8-17 and 18,

Thence I run

N.89°59'E.on a true line

bet.secs.8 and 17.

Ascend abruptly over rocky land.

13.50 Top of ridge bears NW.and SE.

Descend.

17.50 Bottom of hollow,100 ft.deep,course NW.

Ascend.

22.80 Top of spur projects NW.

Descend.

31.00 Bottom of hollow,100 ft.deep,course NW.

Begin abrupt ascent.

40.03 Set a sandstone,24x12x7 ins.,18 ins.in the ground,for

SUBDIVISIONS OF T. 10 S., R. 26 E.

CHAINS	
	¼ sec.cor.,marked ¼ on N.face;and raise a mound of stone,2 ft.base,1½ ft.high,N.of cor.
	Pits impracticable.
40.60	Top of ridge bears N.and S.
	Begin abrupt descent.
63.30	Bottom of Hell's Hole Canon,800 ft.deep,course N.
	Begin abrupt ascent.
80.06	The cor.of secs.8-9-16 and 17.
	Land,mountainous.
	Soil;rocky,4th rate.
	No timber.
	Mountainous land on 80.06 chs.

	N.0°01'E.,bet.secs.8 and 9.
	Descend over rocky land.
2.50	Bottom of hollow,100 ft.deep,course W.
	Begin abrupt ascent.
6.15	Top of spur projects W.
	Begin abrupt descent.
10.00	Bottom of hollow,100 ft.deep,course W.
	Ascend.
16.35	Top of spur projects NW.
	Begin abrupt descent.
22.00	Bottom of hollow,400 ft.deep,course NW.
	Begin abrupt ascent.
39.00	Top of spur projects W.
	Descend.
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.
40.50	Top of spur projects NW.
	Begin abrupt descent.
57.00	Bottom of hollow,490 ft.deep,course NW.

SUBDIVISIONS OF T.10 S.,R.25 E.

Begin abrupt ascent.

48.35 Top of spur rojects NW.

Begin abrupt descent.

76.00 Bottom of hollow,200 ft.deep,course W.

Begin abrupt ascent.

80.00 Set a limestone,15x14x5 ins.,10 ins.in the ground,for cor.of secs.4-5-8 and 9,marked with 5 notches on the S.and 4 notches on the E.edge;and raise a mound of stone,2 ft.base,1½ ft.high,W.of cor.

Pits impracticable.

Land,mountain us.

Soil;rocky,4th rate.

No timber.

Mountainous land on 80.00 chs.

S.89°59'W.on a random line bet.secs.5 and 8.

40.00 Set temp.¼ sec.cor.

80.12 Intersect N.and S.line,19 lks.S.of the cor.of secs. 5-8-7-8.

Thence I run

S.89°53'W.on a true line

bet.secs.5 and 8.

Descend abruptly over rocky land,

9.90 Enter bottom land along White River,bearing NW.and SW.

Enter dense greasewood brush.

20.90 Right bank of White River,1.10 chs.wide,course S.

22.00 Left bank of White River.

Begin abrupt ascent over rocky land.Leave undergrowth.

25.00 Top of spur projects N.

Begin abrupt descent.

30.50 Mouth of Hells Hole Canon,600 ft.deep,course NW.

Begin abrupt ascent.

40.06 Set a sandstone,28x8x6 ins.,21 ins.in the ground,for ¼ sec.cor.,marked ¼ on N.face;and raise a mound of

SUBDIVISIONS OF T.10 S.,R.25 E.

CHAINS	
	stone,2 ft.base,1½ ft.high,N.of cor.
	Pits impracticable.
	On top of spur,projecting S.
42.00	Bottom of hollow,100 ft.deep,course S.
	Ascend.
45.00	Top of spur projects S.
	Descend.
51.00	Bottom of hollow,100 ft.deep,course S.
	Ascend.
66.00	Top of spur projects NW.
	Descend.
71.00	Bottom of hollow,200 ft.deep,course NW.
	Ascend.
80.12	The cor.of secs.4-5-8 and 9.
	Land mountainous .
	Soil;rocky 4th rate on 67.12 chs. Bottom lands;2nd rate,on 13.00 chs.
	No timber.
	Mountainous land or dense undergrowth on 80.12 chs.
	August 22:At this cor.,I set off 11°45'N. on the decl. arc;and at 0h.03m.,n.m.,l.m.t.,observe the sun on the meridian;the resulting lat.is 39°58'N.

	N.0°01'E.on a random line bet.secs.4 and 5.
40.00	Set temp.¼ sec.cor.
80.30	Intersect N.bdy.of the Tp.,16 lks.E.of the cor.of secs.4-5-32 and 33,heretofore described.
	Thence I run
	S.0°06'E.,on a true line
	bet.secs.4 and 5.
	Ascend abruptly over rocky land.
10.00	Top of spur projects NW.
	Begin abrupt descent.
27.50	Bottom of Gilsonite Gulch,800 ft.deep,course NW.

B

SUBDIVISIONS OF T.10 S.,R.25 E.

	Begin abrupt ascent.
40.30	Set a limestone 20x10x3 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.
58.75	Top of ridge,bears N.W.and S.E.
	Begin abrupt descent.
58.25	Bottom of hollow,100 ft.deep,course W.
	Ascend.
61.00	Top of spur,projects S.W.
	Begin abrupt descent.
72.00	Bottom of hollow,300 ft.deep,course S.W.
	Begin abrupt ascent.
76.00	Top of spur,projects S.W.
	Begin abrupt descent.
80.30	The cor.of secs.4-5-8 and 9.
	Land,mountainous.
	Soil,rocky,3rd.rate.
	No timber.
	Mountainous land on 80.30 chs.

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

N.0°02'E.,bet.secs.33 and 34.

Descend over rocky land.

.60	Enter scattering cedar and pinon timber.
2.50	Bottom of hollow,50 ft.deep,course W.
	Ascend.
11.00	Top of spur,projects W.
	Leave timber.
	Descend.
16.00	Bottom of hollow,100 ft.deep,courseW.
	Ascend.
23.56	Top of spur,projects W.
	Begin abrupt descent.

Subdivisions of T.10 S.,R.25 E.

REMARKS.

Enter scattering cedar and pinon timber.

40.00 Set a sandstone,24x10x3 ins.,18 ins.in the ground,for ¼ sec.cor.,marked ¼ on W.face,from which

A pinon,14 ins.diam.,bears S.31°E.,25 lks.dist., marked ¼ S 34 B T .

A cedar,8 ins.diam.,bears N.80°W.,19 lks.dist., marked ¼ S 33 B T.

41.11 Bottom of hollow,300 ft.deep,course S.W.

Begin abrupt ascent.

49.00 Top of ridge,bears E.and W.

Descend.

54.00 Head of hollow,course W.

Ascend.

61.00 Top of ridge,bears N.W.and S.E.

Descend.

70.00 Head of hollow,course N.E.

Ascend.

80.00 Set a sandstone,24x12x5 ins.,18 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.edges,from which

A cedar,10 ins.diam.,bears N.32°E.,19 lks.dist., marked T 10 S R 25 E S 27 B T.

A cedar,12 ins.diam.,bears S.81°E.,37 lks.dist., marked T 10 S R 25 E S 34 B T.

A cedar,10 ins.diam.,bears S.1° W.,74 lks.dist., marked T 10 S R 25 E S 33 B T.

A cedar,5 ins.diam.,bears N.75°W.,43 lks.dist., marked T 10 S R 25 E S 28 B T.

Land,mountainous.

Soil,rocky,sm.mte.

Timber,cedar and pinon.

Mountainous land on 40.00 chs.

Subdivisions of T.10 S.,R.25 E.

Lks	
	West,on a random line,bet.secs.28 and 33.
40.00	Set temp.¼ sec.cor.
80.06	Intersect N.and S.line,3 lks.S.of the cor.of secs. 28-29-32 and 33.
	Thence I run
	S.89°59'E.,on a true line,
	Bet.secs.28 and 33.
	Descend through dense artemisia.
5.50	Bottom of hollow,100 ft.deep,course S.
	Ascend.
6.10	Wagon road,from Heber to Dragon,bears N.and S.
24.50	Top of spur,projects S.W.
	Descend.
27.25	Bottom of hollow,100 ft.deep,course S.W.
	Begin abrupt ascent.
40.03	Set a sandstone,24x12x5 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.
44.00	Enter scattering cedar and pinon timber.
62.40	Top of spur,projects N.W.
	Descend.
70.00	Head of hollow,course N.W. Ascend.
79.00	Top of ridge,bears N.and S.
	Begin abrupt descent.
80.06	The cor.of secs.27-28-33 and 34.
	Land,mountainous.
	Soil,rocky,3rd.rate.
	Timber,cedar and pinon pine.
	Mountainous land or dense undergrowth 80.06 chs.

CHAINS.	
	N.0°02'E.,bet.secs.27 and 28.
	Ascend over rocky land,through scattering cedar and pinon timber.
2.00	Top of spur,projects N.E.
	Begin abrupt descent.
40.00	Set a sandstone,20x11x3 ins.,15 ins.in the ground,for ¼ sec.cor.,marked ¼ on W.face,from which
	A cedar,4 ins.diam.,bears N.31°W.,21 lks.dist., marked ¼ S 28 B T.
	A cedar,8 ins.diam.,bears N.23°E.,27 lks.dist., marked ¼ S 27 B T.
65.00	Bottom of hollow,150 ft.deep,course N.E.
	Begin abrupt ascent.
77.00	Top of spur,projects N.E.
	Begin abrupt descent.
80.00	Set a sandstone,28x14x4 ins.,21 ins.in the ground,for cor.of secs.21-22-27 and 28,marked with 2 notches on the S.and 3 notches on the E.edges,from which
	A cedar,4 ins.diam.,bears N.51°E.,39 lks.dist., marked T 10 S R 25 E S 22 B T.
	A pinon,4 ins.diam.,bears S.63°E.,62 lks.dist., marked T 10 S R 25 E S 27 B T.
	A pinon,4 ins.diam.,bears S.21°W.,76 lks.dist., marked T 10 S R 25 E S 28 B T.
	A cedar,10 ins.diam.,bears N.50°W.,67 lks.dist., marked T 10 S R 25 E S 21 B T.
	Land,mountainous.
	Soil,rocky,3rd.rate.
	Timber,cedar and pinon pine.
	Mountainous land on 80.00 chs.

August 22,1904.

Subdivisions of T.10 S.,R.25 E.

CHAINS	
	August 23: At 7 a.m.,l.m.t.,I set off 39°56'N.on lat. arc: 11°31'N.on decl.arc,and determine a meridian with the solar,at the cor.of secs.21-22-27 and 28.
	Thence I run
	N.89°59'W.,on a random line,bet.secs.21 and 28.
40.00	Set temp.¼ sec.cor.
80.06	Intersect N.and S.line,3 lks.N.of the cor.of secs. 20-21-28 and 29.
	Thence I run
	East,on a true line,
	Bet.secs.21 and 28.
	Ascend over rocky land.
1.00	Top of ridge,bears NW.and SE
	Begin abrupt descent.
5.60	Bottom of hollow,150 ft.deep,course N.
	Begin abrupt ascent.
26.00	Top of ridge,bears N.W.and S.E.
	Begin abrupt descent.
40.03	Set a limestone,28x12x3 ins.,21 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.
52.00	Bottom of hollow,200 ft.deep,course N.
	Begin abrupt ascent.
64.80	Top of Spur,projects.N.
	Begin abrupt descent.
75.25	Bottom of hollow,100 ft.deep,course N.E.
	Enter scattering cedar and pinon timber.
	Ascend.
79.50	Top of spur,projects N.
	Descend.
80.06	The cor.of secs.21-22-27 and 28.
	Land,mountainous.
	Soil,rocky,3rd.rate.

Subdivisions of T.10 S.,R.25 E.

CHAINS	
	Timber,cedar and pinon pine.
	Mountainous land on 80.06 chs.

	N.0°02'E.,bet.secs.21 and 22.
	Descend abruptly over rocky land,through scattering cedar and pinon timber.
2.50	Bottom of hollow,100 ft.deep,course N.E.
	Begin abrupt ascent.
21.00	Top of spur,projects N.E.
	Begin abrupt descent.
33.00	Leave timber.
38.00	Bottom of Hell's Hole Canon,500 ft.deep,course N.W.
	Begin abrupt ascent.
40.00	Set a sandstone,20x8x8 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.
78.00	Top of ridge,500 ft.above bottom of canon,bears E.and W.
	Begin abrupt descent.
80.00	Set a sandstone,20x11x5 ins.,15 ins.in the ground, for cor.of secs.15-16-21 and 22,marked 10 S ,on N.E.,25 E.,on S.E.face,with 3 notches on S.and E.edges,and raise a mound of stone, 2 ft.base,1½ ft.high,W.of cor.
	Pits impracticable.
	Land,mountainous.
	Soil,rocky,3rd.rate.
	Timber,cedar and pinon pine.
	Mountainous land on 80.00 chs.

	West,on a random line,bet.secs.16 and 21.
40.00	Set temp.¼ sec.cor.
80.08	Intersect N.and S.line,3 lks.S.of the cor.of secs. 16-17-20 and 21.

Subdivisions of T.10 S.,R.25 E.

CHAINS	
	Thence I run
	S.89°59'E.,on a true line,bet.secs.16 and 21.
	Ascend abruptly over rocky land.
5.00	Top of spur,projects N.W.
	Descend.
10.00	Bottom of hollow,50 ft.deep,course N. Ascend.
14.00	Top of spur,projects N.
	Begin abrupt descent.
34.00	Bottom of Hell's Hole Canon,600 ft.deep,course N.W.
	Ascend.
39.60	Top of spur,projects S.
	Descend.
40.04	Set a sandstone,24x6x6 ins.,18 ins.in the ground,for $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on N.face,and raise a mound of stone, 2 ft.base,$1\frac{1}{2}$ ft.high,N.of cor.
41.50	Bend in bottom of Hell's Hole Canon,course from S.E. to S.W.
	Begin abrupt ascent.
72.40	Top of ridge,600 ft.above bottom of canon,course N.W. and S.E.
	Begin abrupt descent.
80.08	The cor.of secs.15-16-21 and 22.
	Land,mountainous.
	Soil,rocky,3rd.rate.
	No timber.
	Mountainous land,on 80.08 chs.

	N.0°02'E.,bet.secs.15 and 16.
	Descent abruptly over rocky land.
2.50	Bottom of hollow,150 ft.deep,course N.W.
	Begin abrupt ascent.
9.00	Top of spur,projects W.
	Begin abrupt descent.
21.00	Bottom of hollow,250 ft.deep,course W.
	Begin abrupt ascent.

Subdivisions of T.10 S.,R.25 E.,

CHAINS	
34.70	Top of spur,projects W.
	Begin abrupt descent.
	Enter scattering cedar and pinon timber.
40.00	Set a limestone,20x10x3 ins.,15 ins.in the ground,for ¼ sec.cor.,marked ¼ on W.face,from which.
	A cedar,6 ins.diam.,bears S.61°E.,25 lks.dist., marked ¼ S.15 B.T.
	A cedar,6 ins,diam.,bears N.70°W.,77 lks.dist., marked ¼ S 16 B T.
40.15	Bottom of hollow,100 ft.deep,course S.W.
	Ascend.
47.00	Top of spur,projects W.
	Begin abrupt descent.
52.75	Bottom of hollow,250 ft.deep,course W.
	Begin abrupt ascent.
64.20	Top of spur,projects W.
	Begin abrupt descent.
71.50	Bottom of hollow,200 ft.deep,course S.W.
	Begin abrupt ascent.
80.00	Set a limestone,24x8x3 ins.,18 ins.in the ground,for cor.of secs.9-10-15 and 16,marked with 4 notches on S. and 3 notches on E.edges,from which
	A cedar,5 ins.diam.,bears N.71°E.,1.10 chs.dist., marked T 10 S R 25 E S 10 B T.
	A cedar,6 ins.diam.,bears S.63°E.,16 lks.dist., marked T 10 S R 25 E S 15 B T.
	A cedar,14 ins.diam.,bears S.87°W.,1.21 chs.dist., marked T 10 S R 25 E S 16 B T.
	A cedar,5 ins.diam.,bears N.69°W.,77 lks.dist., marked T 10 S R 25 E S 9 B T.

Land,mountainous.

Soil,rocky,3rd.rate.

Timber,cedar and pinon,pine.

Subdivisions of T.10 S.,R.25 E.

CHAINS	
	Mountainous land on 80.00 chs.
	August 23: At this cor.I set off 11°25'N.on decl.arc, and at 0h.03m.,p.m.,l.m.t.,observe the sun on the meridian,the resulting lat.is 39°57'N.

	N.89°59'W.,on a random line,bet.secs.9 and 16.
40.00	Set temp.¼ sec.cor.
80.04	Intersect N.and S.line,5 lks.S.of the cor.of secs. 8-9-16 and 17.
	Thence I run
	S.89°57'E.,on a true line,
	Bet.secs.9 and 16.
	Ascend abruptly over rocky land.
14.00	Top of spur,projects N.W.
	Begin abrupt descent.
33.00	Bottom of hollow,300 ft.deep,course N.W.
	Begin abrupt ascent.
40.02	Set a sandstone,28x10x3 ins.,21 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.
52.00	Top of spur,projects N.W.
	Begin abrupt descent.
69.00	Bottom of hollow,200 ft.deep,course N.W.
	Begin abrupt ascent.
75.00	Top of ridge,bears N.E.and S.W.
	Begin abrupt descent.
80.04	The cor.of secs.9-10-15 and 16.
	Land,mountainous.
	Soil,rocky 3rd.rate.
	No timber.
	Mountainous land on 80.04 chs.

Subdivisions of T.10 S.,R.23 E.

CHAINS	
	N.0°02'E.,bet.secs.9 and 10.
	Ascend abruptly over rocky land.
2.00	Top of ridge,bears E.and W.
	Begin abrupt descent.
9.40	Bottom of hollow,150 ft.deep,course W.
	Enter scattering cedar and pinon timber.
	Begin abrupt ascent.
15.50	Top of spur,projects W.
	Begin abrupt descent.
20.00	Bottom of hollow,150 ft.deep,course W.
	Begin abrupt ascent.
30.50	Top of ridge,bears N.W.and S.E.
	Begin abrupt descent.
	Leave timber.
40.00	Set a sandstone,20x8x7 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.
63.00	Bottom of hollow,400 ft.deep,course E.Ascend abruptly.
78.00	Top of spur projects E.;descend abruptly.
80.00	Set a sandstone,20x11x3 ins.,15 ins.in the ground,for cor.of secs.3-4-9 and 10,marked with 5 notches on S. and 3 notches on E.edges,and raise a mound of stone, 2 ft.base,1½ ft.high,W.of cor.
	Pits impracticable.
	Land,mountainous.
	Soil,rocky.3rd.rate.
	Timber,cedar and pinon pine.
	Mountainous land on 80.00 chs.

	N.89°57'W.,on a random line,bet.secs.4 and 9.
40.00	Set temp.¼ sec.cor.
80.14	Intersect N.and S.line,5 lks.N.of the cor.of secs. 4-5-8 and 9.

Chains	
	Thence I run
	S.89°59'E.,on a true line,
	Bet.secs.4 and 9.
	Ascend abruptly over rocky land.
4.50	Top of spur,projects S. Descend.
7.00	Bottom of hollow,100 ft.deep,course S.W.
	Begin abrupt ascent.
26.00	Top of ridge,bears N.E.and S.W.
	Begin abrupt descent.
35.00	Bottom of hollow,150 ft.deep,course S.W.
	Begin abrupt ascent.
40.07	Set a sandstone,18x10x5 ins.,12 ins.in the ground,for ¼ sec.cor.,marked ¼ on N.face,and raise a mound of stone, 2 ft.base,1½ ft.high,N.of cor.
	Pits impracticable.
43.25	Top of spur,projects N.
	Descend.
47.50	Bottom of hollow,100 ft.deep,course N.W.
	Ascend.
64.70	Top of ridge,bears N.and S.
	Begin abrupt descent.
80.14	The cor.of secs.3-4-9 and 10.
	Land,mountainous.
	Soil,rocky,3rd.rate.
	No timber.
	Mountainous land on 80.14 chs.

N.0°02'E.,on a random line,bet.secs.3 and 4.

40.00 Set temp.¼ sec.cor.

80.34 Intersect N.bdy.of Tp.,10 lks.E.of the cor.of secs. 3-4-33 and 34,heretofore described.

Thence I run

S.0°02'E.,on a true line,

Bet.secs.3 and 4.

Subdivisions of T.10 S.,R.25 E.

CHAINS	
	Ascend abruptly over rocky land.
31.00	Top of ridge,1100 ft.above sec.cor.,bears E.and W.
	Begin abrupt descent over sandstone ledges
	bearing E.and W.
40.34	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.
46.00	Bottom of hollow,300 ft.deep,course W.
	Begin abrupt ascent.
58.00	Top of spur,projects W.
	Begin abrupt descent.
76.00	Bottom of Gilsonite Gulch,800 ft.deep,course N.W.
	Ascend.
80.34	The cor.of secs.3-4-9 and 10.
	Land,mountainous.
	Soil,rocky,3rd.rate.
	No timber.
	Mountainous land on 80.34 chs.

August 23,1904

August 24: At 7 a.m.,l.m.t.,I set off 39°54'N.on lat. arc;11°10'N.on decl.arc.,and determine a meridian with the solar,at the Standard Cor.of secs.34 and 35, heretofore described,on the S.bdy.of the Tp.

Thence I run

N.0°03'E.,bet.secs.34 and 35.

	Descend abruptly over rocky land,through scattering
	cedar and pinon timber.
9.00	Bottom of hollow,100 ft.deep,course N.W.
	Ascend.
34.00	Top of spur,projects N.W.
	Begin abrupt descent.
40.00	Set a sandstone,24x6x6 ins.,18 ins.in the ground,for
	¼ sec.cor.,marked ¼ on W.face, from which

Subdivisions of T.10 S.,R.25 E.

CHAINS	
	A pinon,5 ins.diam.,bears S.30°E.,9 lks.dist., marked ¼ S 35 B T.
	A pinon,5 ins.diam.,bears N.84°W.,51 lks.dist., marked ¼ S 34 B T.
41.00	Head of hollow,course N.W.
	Ascend.
49.00	Top of spur,projects N.W.
	Begin abrupt descent.
74.00	Leave timber.
80.00	Set a sandstone,20x15x4 ins.,15 ins.in the ground,for cor.of secs.26-27-34 and 35,marked with 1 notch on S. and 2 notches on E.edges,and raise a mound of stone, 2 ft.base,1½ ft.high,W.of cor.
	Pits impracticable.
	Land,mountainous.
	Soil,rocky,3rd.rate.
	Timber,cedar and pinon pine.
	Mountainous land on 80.00 chs.

	West,on a random line,bet.secs.27 and 34.
40.00	Set temp.¼ sec.cor.
79.94	Intersect N.and S.line,5 lks.S.of the cor.of secs.27-28 -33 and 34.
	Thence I run
	S.89°58'E.,on a true line,
	Bet.secs.27 and 34.
	Descend abruptly over rocky land,through scattering cedar and pinon timber.
11.00	Bottom of hollow,250 ft.deep,course N.E.
	Begin abrupt ascent.
16.00	Top of spur,projects N.
	Begin abrupt descent.
21.00	Bottom of hollow,200 ft.deep,course N.W.

Subdivisions of T.10 S.,R.25 E.

CHAINS	REMARKS
	Begin abrupt ascent.
	Leave timber.
39.97	Set a sandstone,24x8x4 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.
42.50	Top of ridge,bears N.and S.
	Begin abrupt descent.
44.50	Enter scattering cedar and pinon timber.
66.50	Bottom of hollow,300 ft.deep,course N.E.
	Leave timber.
	Ascend.
79.94	The cor.of secs.26-27-34 and 35.
	Land,mountainous.
	Soil,rocky,3rd.rate.
	Timber,cedar and pinon.pine.
	Mountainous land on 79.94 chs.

	N.0° 03'E.,bet.secs.26 and 27.
	Descend over rocky land.
10.00	Bottom of hollow,100 ft.deep,course N.E.
	Ascend.
26.00	Top of spur,projects N.E.
	Enter scattering cedar and pinon timber.
	Descend.
40.00	Set a sandstone,20x14x5 ins.,15 ins.in the ground,for ¼ sec.cor.,marked ¼ on W.face,from which
	A pinon,6 ins.diam.,bears N.41°E.,11 lks.dist., marked ¼ S 26 B T.
	A pinon,10 ins.diam.,bears N.38°W.,59 lks.dist., marked ¼ S 27 B T.
51.50	Bottom of Hell's Hole Canon,700 ft.deep,course N.W.
	Leave timber.
	Ascend.

Subdivisions of T.10 S.,R.25 E.

Set a sandstone 20x12x5 ins.,15 ins.in the ground,for cor.of secs.22-23-26 and 27,marked with 2 notches on S.and E.edges,and raise a mound of stone,2 ft.base,1½ ft.high,W.of cor.

Pits impracticable.

Land,mountainous.

Soil,rocky,3rd.rate.

Timber,cedar and pinon pine.

Mountainous land on 80.00 chs.

August 24: At this cor.I set off 11°05'N.on decl.arc, and at 0h.02m.,p.m.,l.m.t.,observe the sun on the meridian,the resulting lat.is 39°56'N.

N.89°58'W.,on a random line,bet.secs.22 and 27.

40.00 Set temp.¼ sec.cor.

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

Thence I run

S.9°55'E.,on a true line,

Bet.secs.22 and 27.

Descend over rocky land,through scattering cedar and pinon timber.

8.50 Bottom of hollow,150 ft.deep,course N.W.

Begin abrupt ascent.

14.00 Top of spur,projects N.W.

Begin abrupt descent.

32.50 Bottom of Hell's Hole Canon,700 ft.deep,course N.W.

Ascend. Leave timber.

40.01 Set a sandstone,20x12x5 ins.,15 ins.in the ground,for ¼ sec.cor.,marked ¼ on N.face,and raise a mound of stone, 2 ft.base,1½ ft.high,N.of cor.

Pits impracticable.

47.50 Top of spur,projects S.

Descend.

Subdivisions of T.10 S.,R.25 E.

CHAINS	
50.50	Bottom of hollow,200 ft.deep,course S.W.
	Begin abrupt ascent.
73.00	Top of spur,projects S.W.
	Begin abrupt descent.
80.02	The cor.of secs.22-23-26 and 27.
	Land,mountainous.
	Soil,rocky,3rd.rate.
	Timber,scattering cedar and pinon.Pine.
	Mountainous land on 80.02 chs.

	N.0°03'E.,bet.secs.22 and 23.
	Ascend abruptly over rocky land.
3.40	Top of spur,projects S.W.
	Enterscattering cedar and pinon timber.
	Descend.
7.50	Bottom of hollow,150 ft.deep,course W.
	Ascend.
12.50	Top of spur,projects W.
	Descend.
27.00	Bottom of hollow,200 ft.deep,course S.W.
	Begin abrupt ascent.
	Leave timber.
38.00	Top of spur,projects S.E.
	Descend.
40.00	Set a sandstone,20x11x5 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.
42.00	Bottom of hollow,150 ft.deep,course S.E.
	Begin abrupt ascent.
79.00	Top of ridge,bears E.and W.
	Enter scattering cedar and pinon timber.
	Descend.

Subdivisions of T.10 S.,R.25 E.

CHAINS	
80.00	Set a limestone,20x15x4 ins.,15 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.edges,from which A pinon,5 ins.diam.,bears N.76°E.,13 lks.dist., marked T.10 S. R 25 E S 14 B T. A pinon,8 ins.diam.,bears S.31°E.,29 lks.dist., marked T 10 S R 25 E S 23 B T. A pinon,8 ins.diam.,bears S.68°W.,42 lks.dist., marked T 10 S R 25 E S 22 B T. A pinon,10 ins.diam.,bears N.60°W.,44 lks.dist., marked T 10 S R 25 E S 15 B T. Land,mountainous. Soil,rocky,3rd.rate. Timber,cedar and pinon pine. Mountainous land on 80.00 chs.

	N.89°55'W.,on a random line,bet.secs.15 and 22.
40.00	Set temp.¼ sec.cor.
79.96	Intersect N.and S.line,14 lks.N.of the cor.of secs. 15-16-21 and 22. Thence I run N.89°59'E.,on a true line, Bet.secs.15 and 22. Descend over rocky land.
2.00	Bottom of hollow,150 ft.deep,course N.W.
	Thence ascend along bottom of same hollow,course W.
16.00	Leave bottom of hollow,course W.from N.E.
	Begin abrupt ascent.
	Enter scattering cedar and pinon timber.
39.98	Set a limestone,24x20x4 ins.,18 ins.in the ground,for ¼ sec.cor.,marked ¼ on N.face,and raise a mound of stone, 2 ft.base,1½ ft.high,N.of cor. Pits impracticable.
53.00	Top of ridge,bears N.W.and E.

CHAINS		CHAINS
	Thence along top of ridge,	80.00
81.00	Leave ridge, bears S.E. and E.	
	Descend.	
73.00	Head of hollow, course N.	
	Ascend.	
77.00	Top of spur, projects N.	
	Descend.	
79.96	The cor. of secs. 14-15-22 and 23.	
	Land, mountainous.	
	Soil, rocky, 3rd. rate.	
	Timber, cedar and pinon pine.	
	Mountainous land on 79.96 chs.	

August 24, 1904.

August 25: At 7 a.m., l.m.t., I set off 39°56'N. on lat. arc, 10°49'E, 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°08'E., bet. secs. 14 and 15.

Descend over broken and rocky land, through scattering cedar and pinon timber.

31.00 Leave timber.

40.00 Set a limestone, 18x15x7 ins., 12 ins. in the ground, for ¼ sec. cor., marked ¼ on E. face, and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.

Pits impracticable.

56.00 Bottom of Gilsonite Gulch, 600 ft. deep, course N.W.

Begin abrupt ascent.

65.00 Top of spur, projects N.W.

Begin abrupt descent.

72.50 A gilsonite vein, 24 ins. wide on Weaver Lode, bears N.W. and S.E.

80.00 Set a sandstone, 20x9x8 ins., 15 ins. in the ground, for cor. of secs. 10-11-14 and 15, marked with 4 notches on

Subdivisions of T.10 S.,R.25 E.

REMARKS	
	S.and 2 notches on E.edges,and raise a mound of stone,
	2 ft.base,1½ ft.high,W.of cor.
	Pits impracticable.
	Land,mountainous.
	Soil,rocky,3rd.rate.
	Timber,cedar and pinon pine.
	Mountainous land on 80.00 chs.

	S.89°59'W.,on a random line,bet.secs.10 and 15.
40.00	Set temp.¼ sec.cor.
80.10	Intersect N.and S.line,5 lks.N.of the cor.of secs.
	9-10-15 and 16.
	Thence I run
	N.89°57'E.,on a true line,
	Bet.secs.10 and 15.
	Ascend over rocky land,through scattering cedar and
	pinon timber.
18.00	Top of ridge,bears N.and S.
	Begin abrupt descent.
32.00	Bottom of hollow,300 ft.deep,course N.
	Begin abrupt ascent.
	Leave timber.
40.05	Set a sandstone,20x14x5 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.
41.00	Top of spur,projects N.
	Begin abrupt descent.
75.00	Bottom of Gilsonite Gulch,600 ft.deep,course N.W.
	Ascend.
79.25	A gilsonite vein,24 ins.wide,on Weaver Lode,bears
	N.W.and S.E.
80.10	The cor.of secs.10-11-14 and 15.

Subdivisions of T. 10 S., R. 25 E., Mount Diablo

CHAINS	
	Land, mountainous.
	Soil, rocky, 3rd. rate.
	Timber, cedar and pinon.
	Mountainous land on 80.10 chs.
	August 25: At this cor. I set off 10°45' N. on decl. arc, and at 0h. 02m., a.m., l.m.t., observe the sun on the meridian, the resulting lat. is 39°57' N.
	N. 0°03' E., bet. secs. 10 and 11.
	Descend through dense artemisia.
12.00	Bottom of hollow, 300 ft. deep, course W.
	Begin abrupt asce nt.
28.00	Top of spur, projects W.
	Begin abrupt descent.
37.00	Bottom of hollow, 150 ft. deep, course W.
40.00	Set a limestone, 20x10x4 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.
50.50	Top of spur, projects W.
	Descend.
61.00	Bottom of hollow, 150 ft. deep, course W.
	Begin abrupt ascent.
65.40	Top of spur, projects W.
	Descend.
71.00	Bottom of hollow, 100 ft. deep, course W.
	Ascend.
80.00	Top of ridge, bears N.W. and S.E.
	Set a sandstone, 20x10x3 ins., 15 ins. in the ground, for cor. of secs. 2-3-10 and 11, marked with 5 notches on S., and 2 notches on E, edges, from which
	A cedar, 6 ins. diam., bears N. 81° W., 60 lks. dist., marked T 10 S R 25 E S 3 B T.
	No other trees within limits, and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.

Subdivisions of T.10 S.,R.25 E.

Pits impracticable.

Land,mountainous.

Soil,rocky,3rd.rate.

No timber.

Mountainous land or dense undergrowth 80.00 chs.

N.89°57'W.,on a random line,bet.secs.3 and 10.

40.00 Set temp.¼ sec.cor.

80.06 Intersect N.and S.line,3 lks.N.of the cor.of secs.3-4-9 and 10.

Thence I run

N.89°56'E.,on a true line,

Bet.secs.3 and 10.

Descend abruptly over rocky land.

7.50 Bottom of Gilsonite Gulch,700 ft.deep,course N.W.

Begin abrupt ascent.

37.00 Top of spur,projects S.W.

Begin abrupt descent.

40.03 Set a sandstone,18x12x4 ins.,12 ins.in the ground,for ¼ sec.cor.,marked ¼ on N.face,and raise a mound of stone, 2 ft.base,1½ ft.high,N.of cor.

Pits impracticable.

57.50 Bend in hollow,200 ft.deep,course from S.E.to S.W.

Begin abrupt ascent.

80.06 On top of ridge,bears N.W.and S.E.

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

Land,mountainous.

Soil,rocky,3rd.rate.

No timber.

Mountainous land on 80.06 chs.

N.0°03'E.,on a random line,bet.secs.2 and 3.

40.00 Set temp.¼ sec.cor.

80.24 Intersect N.bdy.of Tp.,5 lks.E.of the cor.of secs.

Subdivisions of T.10 S.,R.25 E.

CHAINS	
	2-3-34 and 35,heretofore described.
	Thence I run
	S.0°01'W.,on a true line,
	Bet.secs.2 and 3.
	Ascend abruptly over rocky land.
40.24	Top of ridge,bears N.W.and S.E.
	Enter scattering cedar and pinon timber.
	Set a limestone,25x10x3 ins.,19 ins.in the ground,for ¼ sec.cor.,marked ¼ on W.face,from which
	A cedar,7 ins.diam.,bears N.49°E.,27 lks.dist., marked ¼ S 2 B T.
	A cedar,6 ins.diam.,bears S.81°W.,45 lks.dist., marked ¼ S 3 B T.
	Descend.
51.00	Bottom of hollow,150 ft.deep,course N.W.
	Begin abrupt ascent.
80.24	Ontop of ridge,bears N.W.and S.E.
	The cor.of secs.2-3-10 and 11.
	Land,mountainous.
	Soil,rocky,3rd.rate.
	Timber,cedar and pinon,
	Mountainous land on 80.24 chs.

August 25,1904.

August 26: At 7 a.m.,l.m.t.,I set off 39°54'N.on lat. arc,10°29'N.on decl.arc,and determine a meridian with the solar,at the Standard Cor.of secs.35 and 36, heretofore described,on the S.bdy.of the Tp.

Thence I run

N.0°03'E.,bet.secs.35 and 36.

	Descend over rocky land.
8.00	Enter scattering cedar and pinon timber.
40.00	Set a sandstone,24x12x3 ins.,18 ins.in the ground,for ¼ sec.cor.,marked ¼ on W.face,from which

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Subdivisions of T:10 S.,R.25 E.

CHAINS	
	A cedar,8 ins.diam.,bears N.79°W.,90 lks.dist.,
	marked ¼ S 35 B T.
	A cedar,4 ins.diam.,bears N.13°E.,1.68 chs.dist.,
	marked ¼ S 36 B T.
54.00	Bottom of Hell's Hole Canon,550 ft.deep,course N.W.
	Begin abrupt ascent.
75.25	Top of spur,projects W.
	Begin abrupt descent.
80.00	Set a sandstone,28x15x5 ins.,21 ins.in the ground,for
	cor.of secs.25-26-35 and 36,marked with 1 notch on S.
	and E.edges,from which
	A pinon,8 ins.diam.,bears N.16°E.,14 lks.dist.,
	marked T 10 S R 25 E S 25 B T.
	A cedar,10 ins.diam.,bears S.54°E.,39 lks.dist.,
	marked T 10 S R 25 E S 36 B T.
	A pinon,6 ins.diam.,bears S.40°W.,11 lks.dist.,
	marked T.10 S R 25 E S 35 B T.
	A pinon,5 ins.diam.,bears N.36°W.,18 lks.dist.,
	marked T 10 S R 25 E S 25 B T.
	Land,mountainous.
	Soil,rocky,3rd.rate.
	Timber,cedar and pinon pine.
	Mountainous land on 80.00 chs,

	West,on a random line,bet.secs.26 and 35.
40.00	Set temp.¼ sec.cor.
79.92	Intersect N.and S.line,7 lks.S.of the cor.of secs.
	26-27-34 and 35.
	Thence I run
	S.89°57'E.,on a true line,
	Bet.secs.26 and 35.
	Ascend over rocky land.
1.50	Top of spur,projects N.
	Descend.

Subdivisions of T.10 S.,R.25 E.

CHAINS	
13.00	Bottom of hollow,150 ft.deep,course N.
	Ascend.
25.00	Top of spur,projects N.
	Enter scattering cedar and pinon timber.
	Descend.
39.96	Set a sandstone,24x8x4 ins.,18 ins.in the ground,for $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on N.face,from which
	A cedar,5 ins.diam.,bears N.1° E.,37 lks.dist., marked $\frac{1}{4}$ S.26 B.T.
	A cedar,5 ins.diam.,bears S.67°W.,24 lks.dist., marked $\frac{1}{4}$ S 35 B T.
46.00	Bottom of hollow,150 ft.deep,course N.W.
	Ascend.
52.50	Top of spur,projects N.
	Descend.
68.00	Bottom of Hell's Hole Canon,550 ft.deep,course N.W.
	Begin abrupt ascent.
79.92	The cor.of secs.25-26-35 and 36.
	Land,mountainous.
	Soil,rocky,3rd.rate.
	Timber,cedar and pinon pine.
	Mountainous land on 79.92 chs.

The line bet.secs.25 and 36 closes on the Colorado-Utah boundary line,therefore I run

East,on a true line,

Bet.secs.25 and 36.

	Ascend over rocky land,through heavy cedar and pinon timber.
30.00	Leave timber,bears N.E.and S.W.
	Enter dense artemisia.
37.95	Intersect the Colorado-Utah boundary line,17.60 chs. N.0°09'W.of the 201 mile cor.,heretofore described.
	Set a sandstone,24x9x4 ins.,18 ins.in the ground,for

Subdivisions of T.10 S.,R.25 E.

closing cor.to secs.25 and 36,marked C on E.,U CC on W.,
1 groove on S.and 5 grooves on N.face,from which
A cedar,4 ins.diam.,bears N.48°W.,89 lks.dist.,
marked T 10 S R 25 E S 25 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,rate.
Heavy cedar and pinon on 30.00 chs.
Mountainous land,heavily timbered or dense undergrowth
on 37.95 chs.

N.0°03'E.,bet.secs.25 and 26.

Descend abruptly over rocky land,through heavy cedar and pinon timber.

9.00 Bottom of hollow,300 ft.deep,course W.

Begin abrupt ascent.

Leave timber,bears E.and W.

29.00 Top of spur,projects S.W.

Descend.

36.00 Bottom of hollow,150 feet deep,course S.W.

Ascend.

40.00 Set a sandstone,15x10x4 ins.,10 ins.in the ground,for ¼ sec.cor.,marked ¼ on W.face,and raise a mound of stone,
2 ft.base,1½ ft.high,W.of cor.
Pits impracticable.

48.35 Top of spur,projects W.

Descend.

60.50 Bottom of hollow,150 ft.deep,course W.

Ascend.

70.80 Top of spur,projects S.W.

Descend.

78.75 Bottom of hollow,200 ft.deep,course S.W.

Begin abrupt ascent.

Subdivisions of T.10 S.,R.25 E.

CHAINS	
80.00	Set a sandstone,24x14x4 ins.,18 ins.in the ground,for ¼ cor.of secs.23-24-25 and 26,marked with 2 notches on S. and 1 notch on E.edges,and raise a mound of stone,2 ft. base,1½ ft.high,W.of cor.
	Pits impracticable.
	Land mountainous.
	Soil,rocky,3rd.rate.
	Heavy cedar and pinon timber on 9.00 chs.
	Mountainous land on 80.00 chs.
	August 26: At this cor.I set off 10°23'N.on decl.arc,and at 0h.02m.,p.m.,l.m.t.,observe the sun on the meridian, the resulting lat.is 39°56'N.

	N.89°57'W.,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. 22-23-26 and 27.
	Thence I run
	N.89°57'E.,on a true line,
	Bet.secs.23 and 26.
	Descend over rocky land.
5.00	Bottom of hollow,100 ft.deep,course S.
	Begin abrupt ascent.
21.00	Top of spur,projects S.
	Begin abrupt descent.
40.05	Set a sandstone,20x13x4 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.
41.30	Bottom of hollow,400 ft.deep,course S.W.
	Begin abrupt ascent.
63.00	Top of spur,projects S.W.
	Begin abrupt descent.

Subdivisions of T.10 S.,R.25 E.

CHAINS	
80.10	The cor.of secs.23-24-25 and 26.
	Land,mountainous.
	Soil,rocky,3rd.rate.
	No timber.
	Mountainous land on 80.10 chs.

	Knowing the line bet.secs.24 and 25 will intersect the Colorado-Utah boundary line,I run
	East,on a true line,
	Bet.secs.24 and 25.
	Descend abruptly over rocky land.
2.50	Botton of hollow,200 ft.deep,course S.W.
	Enter scattering cedar and pinon timber.
	Begin abrupt ascent.
32.00	Top of ridge,bears N.E.and S.W.
	Descend along steep south slope.
	Leave timber.
37.57	Intersect the Colorado-Utah boundary line,3.00 chs.S.0° 09'E.,of the 202¼ mile cor.,heretofore described.
	Set a sandstone,24x8x6 ins.,18 ins.in the ground,for closing cor.to secs.24 and 25,marked C,on E.,U CC on W., 2 grooves on S.and 4 grooves on N.face,and raise a mound of stone,2 ft.base,1½ ft.high,W.of cor.
	Pits impracticable.
	Land,mountainous.
	Soil,rocky,3rd.rate.
	Timber,cedar and pinon.
	Mountainous land on 37.57 chs.

	N.0° 03'E.,bet.secs.23 and 24.
	Ascend abruptly over rocky land.
15.12	Top of Spur projects S.W.
	Enter heavy cedar and pinon timber,bears N.E.and S.W.
	Descend.

Subdivisions of T.10 S.,R.25 E.

CHAINS	REMARKS
21.80	Bottom of hollow,150 ft.deep,course S.W.
	Begin abrupt ascent.
35.00	Top of ridge,bears N.W.and S.E.
	Begin abrupt descent.
40.00	Set a sandstone,24x10x3 ins.,18 ins.in the ground,for ¼ sec.cor.,marked ¼ on W.face,from which
	A pinon,10 ins.diam.,bears N.8°30'E.,40 lks.dist.,m marked ¼ S 24 B T.
	A pinon,6 ins.diam.,bears N.79°W.,7 lks.dist., marked ¼ S 23 B T.
80.00	Set a sandstone,18x15x3 ins.,13 ins.in the ground,for cor.of secs.13-14-23 and 24,marked with 3 notches on S. and 1 notch on E.edges,from which
	A cedar,6 ins.diam.,bears N.68°E.,22 lks.dist., marked T 10 S R 25 E S 13 B T.
	A cedar,6 ins.diam.,bears S.39°E.,39 lks.dist., marked T 10 S R 25 E S 24 B T.
	A cedar,6 ins.diam.,bears S.43°W.,30 lks.dist., marked T 10 S R 25 E S 23 B T.
	A pinon,6 ins.diam.,bears N.55°W.,80 lks.dist., marked T 10 S R 25 E S 14 B T.
	Land,mountainous.
	Soil,rocky,3rd.rate.
	Timber,heavy cedar and pinon on 64.88 chs.
	Mountainous land on 80.00 chs.

	S.89°57'W.,on a random line,bet.secs.14 and 23.
40.00	Set temp.¼ sec.cor.
79.94	Intersect N.and S.line,3 lks.S.of the cor.of secs. 14-15-22 and 23.
	Thence I run
	N.89°58'E.,on a true line,
	Bet.secs.14 and 23.
	Descend abruptly over rocky land,through heavy cedar and pinon timber.

Subdivisions of T.10 S.,R.25 E.

CHAINS	
8.00	Bottom of hollow,300 ft.deep,course N.
	Begin abrupt ascent.
16.00	Top of spur,projects N.
	Begin abrupt descent.
26.00	Bottom of hollow,150 ft.deep,course N.
	Begin abrupt ascent.
35.00	Top of spur,projects N.
	Begin abrupt descent.
39.60	Bottom of hollow,150 ft.deep,course N.
	Begin abrupt ascent.
39.97	Set a sandstone,20x12x4 ins.,15 ins.in the ground,for 1/4 sec.cor.,marked 1/4 on N.face,from which
	A cedar,8 ins.diam.,bears S.41°E.,17 lks.dist., marked 1/4 S 23 B T.
	A cedar,10 ins.diam.,bears N.52°W.,13 lks.dist., marked 1/4 S 14 B T.
46.00	Top of spur,projects N.
	Begin abrupt descent.
50.00	Bottom of hollow,150 ft.deep,course N.
	Begin abrupt ascent.
54.00	Top of spur,projects N.
	Begin abrupt descent.
66.00	Bottom of hollow,150 ft.deep,course N.
	Begin abrupt ascent.
78.00	Top of spur,projects N.
	Begin abrupt descent.
79.94	The cor.of secs.13-14-23 and 24.
	Land,mountainous.
	Soil,rocky,3rd.rate.
	Timber,cedar and pinon on 79.94 chs.
	Mountainous land and heavily timbered on 79.94 chs.

August 26,1904.

Subdivisions of T.10 S.,R.25 E.,

CHAINS	
	August 27: At 7 a.m.,l.m.t.,I set off 39°56'N.on lat.and 10°08'N.on decl.arc,and determine a meridian with the solar,at the cor.of secs.13-14-23 and 24. Knowing the line bet.secs.13 and 24 intersects the Utah-Colorado boundary line,I run
	East,on a true line,
	Bet.secs.13 and 24.
	Descend abruptly over rocky land,through heavy cedar and pinon timber.
7.00	Bottom of Gilsonite Gulch,400 ft.deep,course from N.E.to N.W.
	Begin abrupt ascent.
17.50	Top of spur,projects N.
	Descend.
23.00	Bottom of Gilsonite Gulch,400 ft.deep,course N.W.
	Begin abrupt ascent.
32.00	Leave timber,bears N.W.and S.E.
36.96	Intersect Utah-Colorado boundary line,16.40 chs.,N.0°25' W.,of the 203 mile cor.,heretofore described. Set a sandstone,24x14x5 ins.,18 ins.in the ground,for closing cor.to secs.13 and 24,marked C.on E.,U CC on W., and 3 grooves on N.and S.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,cedar and pinon on 32.00 chs. Mountainous land or heavily timbered on 36.96 chs.

N.0° 03'E.,bet.secs.13 and 14.

Descend abruptly over rocky land,through heavy cedar and pinon timber.

6.00 Bottom of Gilsonite Gulch,500 ft.deep,course N.W.

Begin abrupt ascent.

Leave heavy timber,bears N.W.and S.E.

Subdivisions of T.10 S.,R.25E.

CHAINS	
	Enter scattering cedar and pinon timber.
24.00	Top of spur,projects W.
	Begin abrupt descent.
31.00	A gilsonite vein,12 ins.,wide,on Weaver Lode,bears N.W.and S.E.
40.00	Set a sandstone,20x6x6 ins.,15 ins.in the ground,for ¼ sec.cor.,marked ¼ on W.face,from which A pinon,12 ins.diam.,bears S.40°W.,5 lks.dist., marked ¼ S 14 B T. A pinon,8 ins.diam.,bears N.43°E.,57 lks.dist., marked ¼ S 13 B T.
43.50	Bottom of hollow,150 ft.deep,course W.
	Begin abrupt ascent.
60.50	Top of ridge,bears N.W.and S.E.
	Begin abrupt descent.
73.00	Leave timber.
80.00	Set a sandstone,15x10x4 ins.,10 ins.in the ground,for cor.of secs.11-12-13 and 14,marked with 4 notches on S.and 1 notch on E.edges,and raise a mound of stone, 2 ft.base,1½ ft.high,W.of cor. Pits impracticable. Land,mountainous. Soil,rocky,3rd.rate. Timber,cedar and pinon. Mountainous land on 80.00 chs.

S.89°58'W.,on a random line,bet.secs.11 and 14.

40.00	Set temp.¼ sec.cor.
80.02	Intersect N.and S.line,5 lks.S.of the cor.of secs. 10-11-14 and 15.

Thence I run

East,on a true line,

Bet.secs.11 and 14.

Ascend through dense artemisia.

CHAINS	
4.00	Enter scattering cedar and pinon timber.
31.00	Top of spur,projects N.W.
	Descend.
39.00	Head of hollow,course N.W.
	Ascend.
40.01	Set a sandstone,24x11x3 ins.,18 ins.in the ground,for ¼ sec.cor.,marked ¼ on N.face,from which
	A cedar,11 ins.diam.,bears N.78°W.,8 lks.dist., marked ¼ S 11 B T.
	A cedar,6 ins.diam.,bears S.63°E.,15 lks.dist., marked ¼ S 14 B T.
46.00	Top of spur,projects N.W.
	Begin abrupt descent.
55.00	Bottom of hollow,200 ft.deep,course N.
	Begin abrupt ascent.
62.50	Top of spur,projects N.
	Begin abrupt descent.
69.00	Bottom of hollow,150 ft.deep,course N.W.
	Begin abrupt ascent.
75.00	Top of spur,projects N.W.
	Begin abrupt descent. Leave timber.
80.02	The cor.of secs.11-12-13 and 14.
	Land,mountainous.
	Soil,rocky,3rd.rate.
	Timber,cedar and pinon.pine.
	Mountainous land or dense undergrowth 80.02 chs.

Knowing the line bet.secs.12 and 13 will intersect the Utah-Colorado boundary line,I run

East,on a true line,

Bet.secs.12 and 13.

Descend abruptly over rocky land.

2.00	Bottom of hollow,150 ft.deep,course N.
	Begin abrupt ascent.

Subdivisions of T.10 S.,R.25 E.

CHAINS	
4.50	Enter heavy cedar and pinon timber,bears N.and S.
9.00	Top of spur,projects N.W.
	Descend.
16.00	Leave timber,bears N.W.and S.E.
25.75	Bottom of hollow,250 ft.deep,course N.W.
	Ascend.
35.00	Enter heavy cedar and pinon timber,bears N.E.and S.W.
36.21	Intersect Utah-Colorado boundary line,13.60 chs., N.0°10'W.,of the 204 mile cor.,heretofore described. Set a limestone,20x6x6 ins.,15 ins.in the ground,for closing cor.to secs.12 and 13,marked C on E.,U CC on W., 4 grooves on S.and 2 grooves on N.face,from which
	A pinon,6 ins.diam.,bears N.2°W.,23 lks.dist., marked T 10 S R 25 E S 12 B T.
	A pinon,5 ins.diam.,bears S.36°W.,33 lks.dist., marked T 10 S R 25 E S 13 B T.
	Land,mountainous.
	Soil,rocky,3rd.rate.
	Timber,heavy cedar and pinon on 12.71 chs.
	Mountainous land or heavily timbered on 36.21 chs.

	N.0°03'E.,bet.secs.11 and 12.
	Descend abruptly over rocky land.
22.00	Bottom of hollow,400 ft.deep,course W.
	Begin abrupt ascent.
31.00	Top of spur,projects W.
	Descend.
36.00	Bottom of hollow,300 ft.deep,course S.W.
	Begin abrupt ascent.
40.00	Set a limestone,18x14x4 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.
61.00	Top of ridge,bears E.and W.

Subdivisions of T.10 S.,R.25 E.

CHAINS	
	Enter heavy cedar and pinon timber,bears E.and W.
	Descend.
73.00	Bottom of hollow,100 ft.deep,course N.W.
	Ascend.
77.00	Top of spur,projects N.W.
	Descend.
80.00	Set a limestone,18x12x4 ins.,12 ins.in the ground,for cor.of secs.1-2-11 and 12,marked with 5 notches on S. and 1 notch on E.edges,from which A cedar,12 ins.diam.,bears N.83°E.,20 lks.dist., marked T 10 S R 25 E S 1 B T. A pinon,5 ins.diam.,bears S.53°E.,47 lks.dist., marked T 10 S R 25 E S 12 B T. A pinon,8 ins.diam.,bears S.24°W.,11 lks.dist., marked T 10 S R 25 E S 11 B T. A cedar,5 ins.diam.,bears N.61°W.,10 lks.dist, marked T 10 S R 25 E S 2 B T. Land,mountainous. Soil,rocky,3rd.rate. Timber,heavy cedar and pinon on 19.00 chs. Mountainous land or heavily timbered on 80.00 chs. August 27: At this cor.I set off 10°02'N.on decl.arc, and at 0h.01m.,p.m.,l.m.t.,observe the sun on the meridian,the resulting lat.is 39°58'N.
	West,on a random line,bet.secs.2 and 11.
40.00	Set temp.¼ sec.cor.
79.96	Intersect N.and S.line,3 lks.N.of the cor.of secs. 2-3-10 and 11.
	Thence I run N.89°59'E.,on a true line, Bet.secs.2 and 11.
	Descend over rocky land.
4.25	Enter scattering cedar and pinon timber.

Subdivisions of T.10 S.,R.25 E.

Chains	
38.00	Bottom of hollow,400 ft.deep,course N.
	Begin abrupt ascent.
39.98	Set a sandstone,24x12x3 ins.,18 ins.in the ground,for ¼ sec.cor.,marked ¼ on N.face,from which
	A pinon,6 ins.diam.,bears N.17°E.,38 lks.dist., marked ¼ S 2 B.T.
	A pinon,5 ins.diam.,bears S.71°E.,83 lks.dist., marked ¼ S 11 B T.
51.50	Top of spur,projects N.
	Begin abrupt descent.
63.50	Bottom of hollow,400 ft.deep,course E.
	Begin abrupt ascent.
75.70	Top of spur,projects N.E.
	Descend.
78.00	Ten cor.of mcgs.1-11 and 12.
	Land,mountainous.
	Soil,rocky,arroyos.
	Timber,cedar and pinon pine.
	Mountainous land on E.& S.

Another set sandstone 24 ins. long, 12 ins. wide and 3 ins. thick, 18 ins. in the ground, for

¼ sec.cor.,

1 run

East,on a true line,

Net.mcgs.1 and 12.

Descend over rocky land,& cross heavy cedar and pinon timber.

4.00	Head of hollow,course N.
	Ascend.
14.19	Top of ridge,bears N.E.and S.E.
	Descend.
25.50	Bottom of hollow,100 ft.deep,course N.E.
	Ascend.
35.80	Intersect the Utah-Colorado boundary line,10.80 chs.,

Subdivisions of T.10 S.,R.25 E.

CHAINS	
	north of the 205 mile cor.,heretofore described.
	Set a sandstone,24x10x4 ins.,18 ins.in the ground,for closing cor.to secs.1 and 12 ,marked C on E.,U CC on W., 5 grooves on S.and 1 groove on N.face,from which
	A pinon,18 ins.diam.,bears N.19°W.,56 lks.dist., marked T 10 S R 25 E S 1 B T.
	A pinon,8 ins.diam.,bears S.71°W.,17 lks.dist., marked T 10 S R 25 E S 12 B T.
	Land,mountainous.
	Soil,rocky,3rd.rate.
	Timber,heavy cedar and pinon on 35.80 chs.
	Mountainous land and heavily timbered on 35.80 chs.

	N.0° 03'E.,on a random line,bet.secs.1 and 2.
40.00	Set temp.¼ sec.cor.
80.29	Intersect N.bdy.of Tp.,5 lks.E.of the cor.of secs. 1-2-35 and 36,heretofore described.
	Thence I run
	S.0°01'W.,on a true line,
	Bet.secs.1 and 2.
	Ascend through scattering cedar and pinon timber.
6.50	Top of ridge,bears N.W.and S.E.
	Begin abrupt descent.
	Leave timber.
18.00	Bottom of hollow,500 ft.deep,course W.
	Begin abrupt ascent.
32.00	Enter scattering cedar and pinon timber.
40.29	Set a limestone,24x12x2 ins.,18 ins.in the ground,for ¼ sec.cor.,marked ¼ on W.face,from which
	A pinon,5 ins.diam.,bears S.46°W.,9 lks.dist., marked ¼ S 2 B T.
	A cedar,24 ins.diam.,bears N.79°E.,23 lks.dist., marked ¼ S 1 B T.
50.00	Top of spur,projects W.

Subdivisions of T.10 S.,R.25 E.

CHAINS	
	Descend.
56.00	Bottom of hollow,100 ft.deep,course W.
	Ascend.
70.00	Top of spur,projects W.
	Descend.
73.50	Bottom of hollow,100 ft.deep,course N.W.
	Ascend.
80.29	The cor.of secs.1-2-11 and 12.
	Land,mountainous.
	Soil,rocky,3rd.rate.
	Timber,cedar and pinon.
	Mountainous land on 80.00 chs.

August 27,1904.

General Description.

This township is situated on the south side of White River on the Utah-Colorado boundary line and is badly broken by many deep ravines and hollows,all of which drain into White River.

The soil is generally shale or sandstone and is unfit for agriculture or grazing,with the exception of the bottoms along White River which has a rich black soil capable of producing abundant crops with irrigation.

Scattering cedar and pinon timber is found on the northern and eastern portions of the township and a scattering growth of cottonwoods are found along White River.

The only water in the township is found in White River which flows through the north west corner.

A gilsonite vein,known as the Weaver Lode,averaging about 24 ins.in width,runs through secs.10-13-14 and 15.

There are no valid claims held on this lode at the present time.

There is no other mineral found in this township.

General Description of T.10 S.,R.25 E.

There are no settlers in this township.

I return the following as mineral land: W½ of SW¼ sec.13;NE¼ of SE¼,S½ of NE¼,and NW¼ of sec.14;SE¼ of SE¼ sec.10; and lot 4, sec. 6.

Harry L. Hunt

U.S.Deputy Surveyor.

OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

List of the names of the individuals employed by .....

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

.....

showing the respective capacities in which they acted:

For final affidavits see book "Z[12]" T.12 S.R.24 E., *Chainman.*

....., *Chainman.*

....., *Moundman.*

....., *Moundman.*

....., *Axman.*

....., *Axman.*

....., *Flagman.*

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted .....

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

.....

.....

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

..... meridian, ... of ....., which are represented 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 .....

For final affidavits see book "Z[12]" T.12 S.R.24 E., *Chainman.*

....., *Chainman.*

....., *Moundman.*

....., *Moundman.*

....., *Axman.*

....., *Axman.*

....., *Flagman.*

.....

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

SEAL

.....

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, _____, United States Deputy Sur
solemnly swear that, in pursuance of a contract received from _____
United States Surveyor General for _____, bearing da
_____ day of _____, 189 , I have well, faithfully, and truly, in
proper person, and in strict conformity with the instructions furnished by the United States Su
General for _____, the Manual of Surveying Instructions, and the laws
United States, surveyed all those parts or portions of _____
For final affidavit see book "Z 12 " T.13 S.R.24 E.
_____
_____
_____ of the _____
_____ meridian, in the _____ of _____, which are represented b
foregoing field notes as having been surveyed by me, and under my direction; and I do further sole
swear that all the corners of said survey have been established and perpetuated in strict accordance
the Manual of Surveying Instructions, and the special written instructions of the United States Surv
General for _____ and in the specific manner described in the field notes, and
the foregoing are the original field notes of such survey; and should any fraud be detected, I will s
the penalty of perjury under the provisions of an Act of Congress approved August 8, 1846.

_____
United States Deputy Surve

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

SEAL

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL.

Salt Lake City, Utah , May 27, 190

The foregoing field notes of the survey of the Subdivisional lines of Township No.10 South, Range No.25 East of the Salt Lake Base and Meridian, Ut

executed by Alfredo R.Talamantes and Harvey D.Heist, U.S.Deputy Surveyo
under his Contract No. 285 , dated April 12,1904, ~~1903~~ , having b
critically examined, and the necessary corrections and explanations made, the said field notes, and
surveys they describe, are hereby approved.

Edward Rudolph
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 of

_____
United States Surveyor G

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FILED

AUG 31 1904

BOOK A-325

Z.S

FIELD NOTES

OF THE SURVEY OF THE

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

of

Township No. 9 South,

Range No.35 East.

Of The Salt Lake Base and *Meridian,*

in the state of Utah.

AS SURVEYED BY

edo R.Talamantes and Harvey D.Heist, *United States Deputy Surveyors.*

Under their *Contract No.* 285, *dated* April 12th., 1904.

Survey commenced August 20, 1904.

Survey completed August 27, 1904.

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NAMES AND DUTIES OF ASSISTANTS.

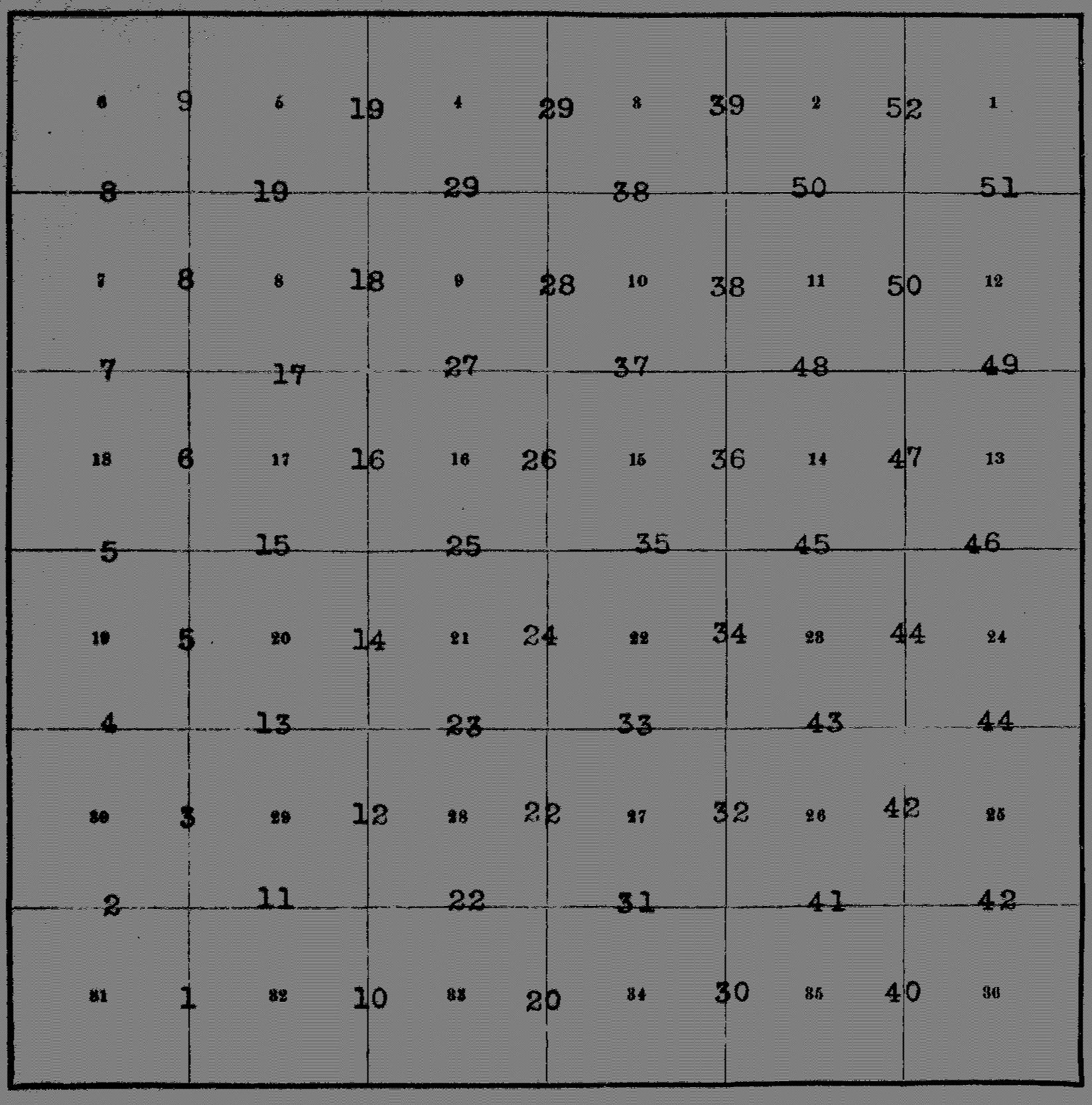
Julius H.White	Chairman.
Egbert White	"
Howard M.Hodge	Moundman.
William L.White	Flagman.

Volume
#
R0325

BOOK A-325

INDEX DIAGRAM.

Township 9 South, , *Range* 25 East.



Meanders Page.....

PRELIMINARY OATHS OF ASSISTANTS.

We, Julius H. White and Egbert White

do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will leval 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 measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of the Subdivisions of T.9 S.,R.25 E. of the Salt Lake Base and Meridian,Utah.

Julius H. White Chainman

Egbert White, Chainman

Subscribed and sworn to before me this 20th. day of August, 1904. 189-

SEAL

E. T. Carlson

Notary Public

We, I, Howard M.Hodge, 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 Subdivisions of T.9 S.,R.25 E. of the Salt Lake Base and Meridian,Utah.

Howard M. Hodge, Moundman

, Moundman

Subscribed and sworn to before me this 20th. day of August, 1904. 189

SEAL

E. T. Carlson

Notary Public

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, William L. White, do solemnly swear that I will well and trul perform the duties of flagman according to instructions given me, to the best of my skill and ability, in th survey of the Subdivisions of T.9 S.,R.25 E. of the Salt Lake Base and Meridian,Utah.

William L. White, Flagman

Subscribed and sworn to before me this 20th. day of August, 1904. 189

SEAL

E. T. Carlson

Notary Public

6—151

Subdivisions of T.9 S.,R.25 E.

CHAINS	
	Survey commenced,August 20,1904,and executed with the instrument described in book " N,",of this survey. I know the instrument to be in adjustment from recent observations made August 10 and 11,1904 and recorded in book "X" ,of this survey. As this township closes on the Utah-Colorado boundary line,I subdivide the township from west to east as follows:
	At the cor.of secs.5-6-31 and 32,heretofore described, on the south boundary of the township,at 7 a.m.,l.m.t., I set off 39°59'N.on lat.arc,12°31'N.on decl.arc,and determine a meridian with the solar.
	Thence I run
	N.0°01'E.,bet.secs.31 and 32.
	Descend over rocky land.
36.00	Head of hollow,course S.W.
	Ascend.
40.00	Top of ridge,bears N.W.and S.E.
	Set a sandstone,16x10x4 ins.,11 ins.in the ground,for ¼ sec.cor.,marked ¼ on W.face,and raise a mound of stone, 2 ft.base,1½ ft.high,W.of cor.
	Pits impracticable. Descend.
47.00	Head of hollow,course S.E.
	Ascend.
58.00	Top of ridge,bears N.E.and S.W.
	Descend.
61.15	A gilsonite vein 18 ins.wide , on claim No.1,Chepetta Lode,bears N.W.and S.E.
66.00	Bottom of hollow,50 ft.deep,course S.W.
	Ascend.
75.00	Top of spur,projects S.W.
	Descend.
80.00	Set a sandstone,16x8x4 ins.,11 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; and raise a mound of stone 2 ft.base

Subdivisions of T.9 S.,R.25 E.

CHAINS	
	1½ ft.high W.of cor. Pits impracticable.
	U.S.L.M.No.11 bears S.70°1'50"E.,13,79 chs.
	Land,mountainous.
	Soil,rocky,3rd.rate.
	No timber.
	Mountainous land on 80.00 chs.

	West,on a random line,bet.secs.30 and 31.
40.00	Set temp.¼ sec.cor.
79.92	Intersect the Guide Meridian,5 lks.S.of the cor.of secs.
	25-30-31 and 36,heretofore described.
	Thence I run
	S.89°58'E.,on a true line,
	Bet.secs.30 and 31.
	Descend over broken,rocky land.
33.00	Bottom of hollow,75 ft.deep,course S.W.
	Ascend.
39.96	Falls on the smooth surface of sandstone,I cut a cross (X),at exact point for ¼ sec.cor.,mark ¼ on N.side of cross,and raise a mound of stone,2 ft.base,1½ ft. high,N.of cor.
	Pits impracticable.
44.50	A gilsonite vein,16 ins.wide,on claim No.2,Chepetta Lode, bears N.W.and S.E.
65.00	Top of spur,projects S.W.
	Descend.
76.00	Bottom of hollow,100 ft.deep,course S.W.
	Ascend.
79.92	The cor.of secs.29-30-31 and 32.
	Land,mountainous,
	Soil,rocky,3rd.and 4th.rate.
	No timber.
	Mountainous land on 79.92 chs.

SUBDIVISIONS OF T.9 S.,R.25 E.

CHAINS	
	N.0°01'E.,bet.secs.29 and 30.
	Descend over broken and rocky land.
4.50	A gilsonite vein,18 ins.wide,on Claim No.1,Little Chepetta Lode,bears NW.and SE.
5.00	Bottom of hollow,100 ft.deep course SW. Ascend.
9.50	Road to Rangely bears NW. and SE.
12.00	Top of ridge bears NE.and SW.
	Descend.
20.00	Bottom of hollow,100 ft.deep,course SW.
	Ascend.
22.74	A gilsonite vein,3 ft.wide, on Claim No.4,Tabor Lode bears NW.and SE.
30.00	Top of spur projects NW.
	Descend.
39.50	Bottom of hollow,50 ft.deep,course NW.
	Ascend.
40.00	Set a sandstone,16x8x4 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.
55.00	Top of spur projects SE.
	Descend.
67.00	Bottom of hollow,75 ft.deep,course SE.
	Ascend.
80.00	Set a sandstone,16x8x4 ins.,11 ins.in the ground,for cor.of secs.19-20-29 and 30,marked with 2 notches on the S.and 5 notches on the E.edge;and raise a mound of stone,2 ft.base,1½ ft.high,W.of cor.
	Pits impracticable.
	Land,mountainous.
	Soil;rocky,3rd and 4th rate.
	No timber.
	Mountainous land on 80.00 chs.

SUBDIVISIONS OF T.9 S.,R.25 E.

CHAINS	REMARKS
	N.89°58'W.on a random line bet.secs.19 and 30.
40.00	Set temp.¼ sec.cor.
79.78	Intersect Guide Meridian,5 lks.S.of the cor.of secs.19-24-25 and 30,heretofore described.
	Thence I run
	S.89°56'E.on a true line
	bet.secs.19 and 30.
	Descend over rocky and broken land.
5.00	Bottom of hollow,50 ft.deep,course S.
	Ascend.
30.00	Top of ridge bears NW.and SE.
	Descend.
35.00	Bottom of hollow,50 ft.deep,course N.
	Ascend.
39.89	Set a sandstone,16x10x5 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.
55.00	Top of spur projects N.
	Descend.
64.00	Bottom of hollow,75 ft.deep,course N.
	Ascend.
77.00	Top of ridge bears N.and S.
	Wagon road on top of ridge bears NE.& SW. Descend.
79.78	The cor.of secs.19-20-29 and 30.
	Land,mountainous.
	Soil;rocky,3rd and 4th rate.
	No timber.
	Mountainous land on 79.78 chn.
	August 20:At this cor.,I set off 12°25'N.on the decl. arc;and at 0h 03m p.m.,l.m.t.,observe the sun on the meridian;the resulting lat.is 40°01'N.

SUBDIVISIONS OF T.9 S.,R.25 E.

CHAINS	
	N.0°01'E.,bet.secs.19 and 20.
	Ascend over broken land through dense artemisia.
6.00	Top of ridge bears NE.and SW. Descend.
	Wagon road bears NE.and SW.
23.00	Bottom of ravine,100 ft.deep,course NW.
	Ascend.
33.00	Top of ridge bears NW.and SE.
	Descend.
40.00	Set a sandstone,20x10x4 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.
45.00	Bottom of hollow,100 ft.deep,course W.
	Ascend.
58.50	Top of spur projects W.
	Descend.
67.00	Bottom of ravine,50 ft.deep,course W.
	Ascend.
80.00	Set a sandstone,16x8x8 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;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 and dense undergrowth on 80.00 chs.

	N.89°56'W.,on a random line,bet.secs.19 and 20.
40.00	Set temp.¼ sec.cor.
80.02	Intersect Guide Meridian,7 lks.N.of the cor.of secs. 13-18-19 and 24, heretofore described.
	Thence I run
	S.89°59'E.,on a true line,

Subdivisions of T.9 S.,R.25 E.

CHAINS	
	Bet.secs.18 and 19.
	Ascend over rocky land,through dense a rtemisia.
34.00	Top of ridge,bears N.and S.
	Descend.
40.01	Set a sandstone,18x10x8 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.
43.00	Bottom of hollow,200 ft.deep,course S.W.
	Begin abrupt ascent.
80.02	The cor.of secs.17-18-19 and 20.
	Land,mountainous.
	Soil,rocky,3rd.rate.
	No timber.
	Mountainous land and dense undergrowth on 80.02 chs.

	N.0°01'E.,bet.secs.17 and 18.
	Descend over rocky,broken land,through dense artemisia.
8.00	Bottom of hollow,100 ft.deep,course W.
	Ascend..
10.00	Top of ridge,bears N.E.and S.W.
	Descend.
31.50	Bottom of hollow,150 ft.deep,course W.
	Ascend.
40.00	Set a sandstone,16x9x8 ins.,11 ins.in the ground,for ¼ sec.cor.,marked ¼ on W.face,and raise a mound of stone, 2 ft.base,1½ ft,high,W.of cor.
	Pits impracticable.
60.50	Top of ridge,bears N.W.and S.E.
	Descend.
80.00	Set a sandstone,20x8x8 ins.,15 ins.in the ground,for cor. of secs.7-8-17 and 18,marked with 4 notches on S.and 5 notches on E.edges,and raise a mound of stone,2 ft. base,1½ ft,high,W.of cor.
	Pits impracticable.

Subdivisions of T.9 S.,R.25 E.

CHAINS	
0.00	Land,mountainous.
	Soil,rocky,3rd.and 4th.rate.
	No timber.
	Mountainous land and dense undergrowth on 80.00 chs.

	N.89°59'W.,on a random line,bet.secs.7 and 18.
40.00	Set temp.¼ sec.cor.
79.98	Intersect Guide Meridian,3 lks.N.of the cor.of secs. 7-12-13 and 18,heretofore described.
	Thence I run
	East,on a true line,
	Bet.secs.7 and 18.
	Ascend over broken,rocky land,through dense artemisia.
39.99	Set a sandstone,18x12x6 ins.,12 ins.in the ground,for ¼ sec.cor.,marked ¼ on N.face,dig pits 18x18x12 ins., E.and W.of stone,3 ft.dist.,and raise a mound of earth, 3½ ft.base,1½ ft.high,N.of cor.
71.50	Top of ridge,bears N.W.and S.E.
	Descend.
74.50	Head of hollow,course N.W.
	Ascend.
78.50	Top of spur,projects N.
	Descend.
79.98	The cor.of secs.7-8-17 and 18.
	Land,mountainous.
	Soil,sandy and rocky,3rd.and 4th.rate.
	No timber.
	Mountainous land and dense undergrowth on 79.98 chs.
	August 20,1904.

Subdivisions of T.0 S.,R.25 E.

CHAINS	
	August 21: At 7 a.m.,l.m.t.,I set off 40°03'N.on lat.arc, 12°11'N.on decl.arc,and determine a meridian with the solar,at the cor.of secs.7-8-17 and 18.
	Thence I run
	N.0°01'E.,bet.secs.7 and 8.
	Descend over broken,rocky land,through dense artemisia.
6.50	A gilsonite vein,36 ins.wide,on Cowboy Lode,bears N.W.and S.E.
10.50	Bottom of hollow,200 ft.deep,course N.W.
	Ascend.
23.00	Top of ridge,bears N.W.and S.E.
	Descend.
38.25	Bottom of hollow,150 ft.deep,course N.W.
	Ascend.
40.00	Set a sandstone,18x8x8 ins.,12 ins.in the ground,for ¼ sec.cor.,marked ¼ on W.face,and raise a mound of stone, 2 ft.base,1½ ft.high,W.of cor.
	Pits impracticable.
42,60	Top of ridge,bears N.W.and S.E.
	Descend.
80.00	Set a sandstone,18x8x4 ins.,12 ins.in the ground,for cor.of secs.5-6-7 and 8,marked with 5 notches on S.and E. edges,and raise a mound of stone,2 ft.base,1½ ft.high, W.of cor.
	Pits impracticable.
	Land,mountainous.
	Soil,rocky,3rd.and 4th.rate.
	No timber.
	Mountainous land and dense undergrowth on 80.00 chs.

	West,on a random line,bet.secs.6 and 7.
40.00	Set temp.¼ sec.cor.
79.00	Intersect Guide Meridian,5 lks.S.of the cor.of secs. 1-6-7 and 12,heretofore described.

Subdivisions of T.9 S.,R.25 E.

CHAINS	
	Thence I run
	S.89°58'E.,on a true line,
	Bet.secs.6 and 7.
	Ascend over rolling land,through dense artemisia.
15.00	Top of ridge,bears N.and S.
	Descend.
30.00	Bottom of hollow,100 ft.deep,course N.
	Ascend.
59.95	Top of spur,projects N.
	Set a sandstone,18x10x3 ins.,12 ins.in the ground,for ¼ sec.cor.,marked ¼ on N.face,dig pits 18x18x18 ins., E.and W.of stone,3 ft.dist,and raise a mound of earth, 3½ ft.base ,1½ ft.high,N.of cor.
	Descend.
57.50	Bottom of hollow,100 ft.deep,course N.W.
	Ascend.
60.00	Top of spur,projects N.W.
	Descend.
79.90	The cor.of secs.5-6-7 and 8.
	Land,rolling.
	Soil,sandy,3rd.rate.
	No timber.
	Dense artemisia on 79.90 chs.

	N.0°01'E.,on a random line,bet.secs.5 and 6.
40.00	Set temp.¼ sec.cor.
78.10	Intersect N.Bdy.of Tp.,3 lks.E.of the cor.of secs. 5-6-31 and 32,heretofore described.
	Thence I run
	South,on a true line,
	Bet.secs.5 and 6.
	Descend over rocky land,through dense artemisia.
0.25	Bottom of hollow,75 ft.deep,course N.W.
0.50	Ascend.

Subdivisions of T.9 S.,R.25 E.

CHAINS	
34.00	Top of ridge,bears N.W.and S.E.
	Descend.
38.10	Set a sandstone,14x10x4 ins.,10 ins.in the ground,for ¼ sec.cor.,marked ¼ on W.face,dig pits,18x18x12 ins., N.and S.of stone,3 ft.dist.,and raise a mound of earth, 3½ ft.base,1½ ft.high,W.of cor.
42.50	Bottom of hollow,150 ft.deep,course W.
	Ascend.
49.00	Top of spur,projects W.
	Descend.
67.00	Bottom of hollow,100 ft.deep,course W.
	Ascend.
78.10	The cor.of secs.5-6-7 and 8.
	Land,rolling.
	Soil sandy and rocky,3rd.rate.
	No timber.
	Dense undergrowth on 78.10 chs.
	August 21: At this cor.I set off 12°05'N.on decl.arc, and at 0h.03m.,p.m.l.m.t.,observe the sun on the meridian the resulting lat.is 40°05'N.

From the cor.of secs.4-5-32 and 33,heretofore described on the south Bdy.of the Tp.,I run

N.0°01'E.,bet.secs.32 and 33.

	Descend abruptly over rocky land.
11.00	Enter bottom along White River,bears E.and W.
	Over level bottom land,through dense greasewood brush, willow s and scattering cottonwood timber.
15.90	Left bank of White River,course W.
17.85	Right bank of White River.
21.75	Leave bottom land,bears E.and W.
	Begin abrupt ascent.
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,

Subdivisions of T.9 S.R.25 E.

Chains.	
	2 ft.base 1½ ft.high W.of cor.Pits impracticable.
46.30	Top of rocky spur,projects E.
	Begin abrupt descent.
48.50	A gilsonite vein,12 ins.wide,on Tabor lode,bears NW. and SE.
64.00	Bottom of hollow,400 ft.deep,course NE. Begin abrupt ascent.
76.00	Top of rocky spur projects E. Begin abrupt descent.
80.00	Set a sandstone 15x10x5 ins.10 ins.in the ground,for cor.of secs.28,29,32,and 33,marked with 1 notch on S. and 4 notches on E.edges;and raise a mound of stone 2 ft.base 1½ ft.high W.of cor.Pits impracticable.
	Land mountainous, and river bottom.
	Soil rocky,3rd and 4th rate on 69.25 chs.;balance bottom land,2nd rate.
	Timber scattering cottonwoods.
	Mountainous land or dense undergrowth on 80.00 chs.

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

40.00	Set temp.¼ sec.cor.
79.92	Intersect N.and S.line 19 lks.N.of the cor.of secs.29, 30,31,and 32. Thence I run

N.89°55'E.on a true line bet.secs.29 and 32

Ascending over rocky and broken land.

9.00	Gilsonite vein,Little Chepetta lode,3 ft wide,bears NW. and SE.
16.00	Top of ridge bears N.and S.;descend.
22.00	Head of gulch,drains SE.
33.75	Gilsonite vein,12 ins.wide,on Tabor lode,bears NW.and SE.
39.96	Set a sandstone 12x8x6 ins.8 ins.in the ground,for ¼ sec.cor.,marked ¼ on N.face;and raise a mound of stone 2 ft.base 1½ ft.high N.of cor.
	Pits impracticable.

Subdivisions of T.9 S.R.25 E.

Chains.	
43.00	Ridge bears NW.and SE.
56.00	Road to river,bears NE.and SW.
57.00	Bottom of hollow,100 ft.deep,course NE.
	Ascend.
79.92	The cor.of secs.28,29,32,and 33.
	Land mountainous.
	Soil rocky;3rd and 4th rate.
	No timber.
	Mountainous land on 79.92 chs.

N.0°01'E.bet.secs.28 and 29

	Descend over rocky and broken land.
9.00	Bottom of hollow,150 ft.deep,course E.
	Ascend.
23.00	Top of ridge bears N.and W.
	Descend.
37.50	Bottom of hollow,150 ft.deep,course E.
	Ascend.
40.00	Set a sandstone 20x8x4 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.
42.84	Road to Rangely bears NE.and SW.
58.00	Top of spur projects E. Descend.
58.57	Same road bears NW.and SE.
69.00	Same road bears NE.and SW.,in bottom of hollow,150 ft. deep,course SE. Ascend.
75.00	Top of spur projects E.
	Descend.
80.00	Set a sandstone 20x9x4 ins.15 ins.in the ground,for cor.

Subdivisions of T.9 S.,R.25 E.

CHAINS	
	of secs.30-31-28 and 29,marked with 2 notches on S.and 4 notches on E.edges,and raise a mound of stone,2 ft.base, 1½ ft.high,E.of cor.
	Pits impracticable.
	Land,mountainous.
	Soil,rocky,brn.sdy loth.rate.
	No timber.
	Mountainous land on no.to ohm.
	August,1904.

	August 29: At 7 a.m.,l.t.,I set an iron pipe,on l.t. bro.,11"bl'k.on mol.sec.,no rocks in reach;thence I course with the selec.of the comp.as prev.;thence I run
43.00	Sec.corr.;
79.86	Intersect S.and E.lines,22 links E.of the cor.;
	Thence I run
	[illegible]
	[illegible]
	Reserve.
1.05	Notice of ent.,[illegible]
	Armpa.
15.00	[illegible]
	Reserve.
	Enter mountainous land.
39.93	Set a sandstone,1axe cor.,1t.ins.,I ins.above grnd.,scr & brs.cor.,Earle; on S.side,3 ft.from stone,2 ft.base,1½ ft.high,W.of cor.
	Pits impracticable.
61.85	Bottom of ravine,150 ft.deep,course W.
	Ascend.
69.00	Top of ridge bears N.& S.
	Descend.

SUBDIVISIONS OF T.9 S., R.35 E.

CHAINS	
79.86	The cor.of secs.20-21-28 and 29.
	Land,mountainous.
	Soil;rocky,3rd and 4th rate.
	Timber,cedar.
	Mountainous land and dense undergrowth on 79.86 chs.

	N.0°01'E.,bet.secs.20 and 21.
	Descend over rocky land through dense artemisia,and scattering cedar timber.
12.00	Bottom of ravine,100 ft.deep,course E.
	Ascend.
15.00	Top of spur projects E.
	Begin abrupt descent.
18.50	Bottom of ravine,100 ft.deep,course E.
	Ascend.
27.50	Top of ridge bears E.and W.
	Descend.
34.00	Bottom of ravine,50 ft.deep,course E.
	Ascend.
36.50	Top of spur projects E.
	Descend.
39.50	Bottom of ravine,100 ft.deep,course E.
	Ascend.
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.
	See structure Note Book / Page 2
60.00	Top of ridge bears E.and W. Descend.
70.50	Wagon road bears NE.and SW.
80.00	Set a sandstone,18x10x4 ins.,12 ins.in the ground,for cor.of secs.16-17-20 and 21,marked with 4 notches on the E.and 3 notches on the S.edges;and raise a mound of stone,2 ft.base,1½ ft.high,W.of cor.
	Pits impracticable.
	See structure Note Book / Page 2

SUBDIVISIONS OF T.9 S.,R.25 E.

REMARKS

Land,mountainous.

Soil;rocky,3rd and 4th rate.

Timber,cedar.

Mountainous land and dense undergrowth on 80.00 chs.

S.89°50'W.on a random line b.t.secs.17 and 20.

40.00 Set temp.¼ sec.cor.

79.90 Intersect N.and S.line,12 lks.S.of the cor.of secs. 17-18-19 and 20.

Thence I run

N.89°55'E.on a true line

bet.secs.17 and 20.

Ascend over rocky land through dense artemisia.

2.00 Top of spur projects N.

Descend.

13.00 Bottom of hollow,50 ft.deep,course N.

Ascend.

24,00 Top of ridge bears N.and S.

Descend.

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

Ascend.

39.95 Set a sandstone,20x10x3 ins.,15 ins.in the ground,for ¼ sec.cor.,marked ¼ on N.face;and raise a mound of stone,2 ft.base,½ ft.high,N.of cor.

Pits impracticable.

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

Land,mountainous.

Soil;rocky,3rd and 4th rate.

No timber.

Mountainous land and dense undergrowth on 79.90 chs.

See Corrective Note Book 1 Page 2.

SUBDIVISIONS OF T.9 S.,R.26 E.

CHAINS	
	N.0°01'E.,bet.secs.16 and 17.
	Descend over rocky land through dense artemisia.
12.00	Bottom of hollow,50 ft.deep,course W.
	Ascend.
21.50	Top of spur projects NW.
	Descend.
27.50	Bottom of hollow,100 ft.deep,course W.
	Ascend.
29.00	Top of spur projects W.
	Descend.
35.00	Bottom of hollow,100 ft.deep,course W.
	Ascend.
39.00	Top of ridge bears E.and W.
	Descend.
40.00	Set a sandstone,20x8x6 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.
	From this cor.,U.S.Location Monument,No.3,which is a sandstone,25x15x6 ins.above ground,marked.and witnessed as described by the surveyor general ,bears N.85°15'W., 5.10 chs.dist.
43.90	Gilsonite vein,3 ft.wide,on Cowboy Lode,bears NW.& SE.
50.00	Bottom of hollow,100 ft.deep,course NW.
	Ascend.
55.00	Top of spur projects NW.
	Descend.
61.00	Bottom of hollow,100 ft.deep,course NW.
	Ascend.
80.00	Set a sandstone,14x8x6 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.

SUBDIVISIONS OF T.9 S.,R.25 E.

CHAINS	
	Soil;rocky,3rd and 4th rate.
	No timber.
	Mountainous land and dense undergrowth on 80.00 chs.
	August 22:At this cor.,I set off 11°45'N.on the decl. arc;and at 0h 03m p.m.,l.m.t.,observe the sun on the meridian;the resulting lat.is 40°03'N.

	S.89°55'W.on a random line bet.secs.8 and 17.
40.00	Set temp.¼ sec.cor.
80.04	Intersect N.and S.line,7 lks.S.of the cor.of secs. 7-8-17 and 18.
	Thence I run
	N.89°58'E.on a true line
	bet.secs.8 and 17.
	Descend over rocky land through dense artemisia.
8.45	A gilsonite vein,3 ft.wide,on the Cowboy Lode,bears NW. and SE.
15.50	Bottom of hollow,100 ft.deep,course NW.
	Ascend.
22.00	Top of ridge bears N.and S.
	Descend.
31.00	Bottom of hollow,100 ft.deep,course N.
	Ascend.
40.02	Set a sandstone,18x8x6 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.
46.00	Top of spur projects N. Descend.
67.00	Bottom of hollow 100 ft.deep,course NW.
80.04	The cor.of secs.8-9-16 and 17.
	Land,mountainous .
	Soil;rocky,3rd and 4th rate.
	No timber.
	Mountainous land and dense undergrowth on 80.04 chs.

SUBDIVISIONS OF T.9 S.,R.25 E.

CHAINS	
	N.0°01'E.,bet.secs.8 and 9.
	Ascend over rocky land through dense artemisia.
8.50	Top of ridge bears NW.and SE.
	Descend.
23.00	Bottom of hollow,100 ft.deep,course E.
	Ascend.
31.00	Top of spur projects E.
	Descend.
36.00	Bottom of hollow,100 ft.deep,course NW.
	Ascend.
40.00	Set a sandstone,14x8x6 ins.,9 ins.in the ground,for ¼ sec.cor.,marked ¼ on W.face;and raise a mound of stone,2 ft.base,½ ft.high,W.of cor.
	Pits impracticable.
43.00	Top of spur projects NW.
	Descend.
45.50	Bottom of hollow,100 ft.deep,course NW.
	Ascend.
57.50	Top of spur projects NW.
	Descend.
67.00	Bottom of hollow,100 ft.deep,course W.
	Ascend.
70.00	Top of spur projects NW.
	Descend.
80.00	Set a sandstone,18x8x6 ins.,12 ins.in the ground,for cor.of secs.4-5-8 and 9,marked with 5 notches on the S.and 4 notches on the E.edge;and raise a mound of stone,2 ft.base,½ ft.high,W.of cor.
	Pits impracticable.
	Land,mountainous.
	Soil;rocky,3rd and 4th rate.
	No timber.
	Mountainous land and dense undergrowth on 80.00 chs.

SUBDIVISIONS OF T.9 S.,R.25 E.

CHAINS	
	S.89°58'W.on a random line bet.secs.5 and 8.
40.00	Set temp.¼ sec.cor.
79.90	Intersect N.and S.line,9 lks.S.of the cor.of secs. 5-6-7 and 8.
	Thence I run
	S.89°58'E.on a true line
	bet.secs.5 and 8.
	Descend over rocky land through dense artemisia.
20.00	Bottom of hollow,150 ft.deep,course N.
	Ascend.
29.50	Top of ridge bears N.and S.
	Descend.
39.95	Set a sandstone,18x10x4 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,W.of cor.
	Pits impracticable.
63.00	Bottom of hollow,100 ft.deep,course NW.
	Ascend.
67.00	Top of spur projects N.
	Descend.
79.90	The cor.of secs.4-5-8 and 9.
	Land,mountainous.
	Soil:rocky,3rd and 4th rate.
	No Timber.
	Mountainous land and dense undergrowth on 79.90 chs.

	N.0°01'E.on a random line bet.secs.4 and 5.
40.00	Set temp.¼ sec.cor.
78.06	Intersect N.bdy.of the Tp.,3 lks.W.of the cor.of secs. 4-5-32 and 33,heretofore described.
	Thence I run
	S.0°02'W.on a true line
	bet.secs.4 and 5.
	Descend over rocky land through dense artemisia.

SUBDIVISIONS OF T.9 S.,R.25 E.

CHAINS	LINKS
14.00	Bottom of hollow,50 ft.deep,course W.
	Ascend.
38.06	Set a sandstone,20x12x3 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.
38.50	Top of ridge bears E.and W.
	Descend.
40.00	Bottom of hollow,75 ft.deep,course W.
	Ascend.
51.00	Top of spur projects NW.
	Descend.
58.00	Bottom of hollow,100 ft.deep,course SW.
	Ascend.
72.00	Top of spur projects NW.
	Descend.
75.00	Bottom of ravine,100 ft.deep,course NW.
78.06	The cor.of secs.4-5-8 and 9.
	Land,mountainous.
	Soil;rocky,3rd and 4th rate.
	No timber.
	Mountainous land and dense undergrowth on 78.06 chs.
	August 22,1904.

August 23: At 7 a.m.,l.m.t.,I set off 39°59'N.on lat. arc,11°31'W.on decl.arc,and determine a meridian with the solar,at the cor.of secs.3-4-33 and 34,heretofore described on the S.Bdy.of the Tp.

Thence I run

N.0°02'E.,bet.secs.33 and 34.

Descend over rocky land.

2.00 Enter bottom along White River,bears N.E.and S.W.

Over bottom land,through dense greasewood brush,willows

Subdivisions of T.9 S.,R.25 E.

CHAINS	
	and scattering cottonwood timber.
24.00	Left bank of White,River,course S.E.
26.80	Right bank of White River.
28.00	Leave bottom land,bears N.E.and S.E.
	Begin abrupt ascent over rocky land.
40.00	Set a sandstone,15x10x4 ins.,10 ins.in the ground,for ¼ sec.cor.,marked ¼ on W.face,and raise a mound of stone, 2 ft.base,1½ ft.high,W.of cor.
	Pits impracticable.
	From this cor.the line passes along the steep east slope of Augustine Bluff,which is an abrupt rocky bluff, facing east,rising 1200 ft.above White River.
	It is impossible to proceed further on this line,I therefore offset West,4.50 chs.dist.
	Thence N.0°03'E.,counting from sec.cor.
47.95	Top of rocky spur,projecting E.
	Monument on top of Augustine Bluff,bears N.1.00 chs.
	Descend abruptly over broken and rocky steep east slope
80.00	Offset East,1.85 chs.to right bank of White River,at sharp bend in river,course. S.
	At this point,2.05 chs.West of the true point for cor.of sec. I set a sandstone,16x10x4 ins.,11 ins.in the ground,for witness cor.to secs.27-28-33 and 34,mkd.¼ on W.face, with 1 notch on S.and 3 notches on E.edges,and raise a mound of stone,2 ft.base,1½ ft.high,W.of cor.
	Pits impracticable.
	True point for cor.falls in river and cannot be set.
	Land,mountainous.
	Soil,rocky,3rd.and 4th.rate.on 54.00 chs.
	balance,bottom land,2nd.rate.
	Timber,scattering cottonwoods.
	Mountainous land or dense undergrowth on 82.[illegible] chs.

(2a)

Subdivisions of T.9 S.,R.23 E.

CHAINS	
	From the true point for the cor.of secs.27-28-33 and 34.
	I run
	West,on a random line,bet.secs.28 and 33.
42.00	Set temp.+ sec.cor.
77.00	Intersect N.and S.line,7 lks.S.of the cor.of secs.
	28-29-32 and 33.
	Thence I run
	S.89°57'E.,on a true line,
	Bet.secs.28 and 33.
	Ascend over broken and rocky land.
7.50	Top of spur,projects N.E.
	Descend.
12.00	Bottom of hollow,300 ft.deep,course S.
	Begin abrupt ascent.
32.00	Top of ridge,bears N.W.and S.E.
	Begin abrupt descent.
70.00	Set a sandstone,16x8x4 ins.,11 ins.in the ground,for
	1 sec.cor.,marked + on N.face,and raise a mound of stone,
	2 ft.base,1½ ft.high,N.of cor.
	Is impracticable.
11.33	The witness cor.to secs.27-28-33 and 34.
79.00	To the point for cor.of secs.27-28-33 and 34,in river.
	Land,mountainous.
	Soil,rocky 3rd.and 4th.rate.
	No timber.
	Mountainous land on 79.98 chs.

From the witness cor.to secs.27-28-33 and 34,set 2.65 chs.

West of the true point for cor.,I run

N.0°02'E.,on an offset line,to

4.00	Offset Post,2.65 chs.
	Right bank of White River,bearing N.W.and S.E.,at sharp
	elbow of river,course S.W.

Subdivisions of T.9 S.,R.25 E.

CHAINS	
	Thence N.0°02'E.,bet.secs.27 and 28.
	Over level bottom land,through dense artemisia and willow brush.
	Counting from the true point for sec.cor.
12.00	Road to Rangely,bears N.W.and S.E. and mouth of hollow, course from the N.W.
17.00	Leave bottom land,bears N.W.and S.E.
	Begin abrupt ascent over rocky land.
40.00	Set a sandstone,16x12x3 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.
73.00	Top of spur,projects S.W.
	Descend.
80.00	Set a sandstone,14x8x6 ins.,10 ins.in the ground,for cor.of secs.21-22-27 and 28,marked with 2 notches on S. and 3 notches on E.edges,and raise a mound of stone, 2 ft.base,1½ ft.high,W.of cor.
	Pits impracticable.
	Land,mountainous.
	Soil,rocky 3rd.and 4th.rate on 63.00 chs. balance,bottom land,2nd.rate.
	No timber.
	Mountainous land or dense undergrowth on 80.00 chs.
	August 23: At this cor.I set off 11°25'E.on decl.arc, and at 0h.03m.,p.m.,l.m.t.,observe the sun on the meridian the resulting lat.is 40°01'N.

	N.89°57'W.,on a random line,bet.secs.21 and 28.
40.00	Set temp.¼ sec.cor.
79.96	Intersect N.and S.line,5 lks.N.of the cor.of secs. 20-21-28 and 29.
	Thence I run
	S.89°59'E.,on a true line,

Subdivisions of T.9 S.,R.25 E.

CHAINS	
	Bet.secs.21 and 28.
	Descend over broken and rocky land.
8.50	Road to river,bears N.E.and S.W.
24.50	Bottom of ravine,300 ft.deep,course S.E.
	Begin abrupt ascent.
31.70	Top of rocky spur,projects S.
	Set a sandstone,20x8x5 ins.,15 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 abrupt descent over steep shale slide.
39.98	Point for ¼ sec.cor.falls on shale slide and cannot be set.
55.00	Bottom of hollow,500 ft.deep,course S.E.
	Begin abrupt ascent.
64.00	Top of rocky spur,projects S.
	Begin abrupt descent.
71.00	Bottom of hollow,250 ft.deep,course S.
	Begin abrupt ascent.
79.96	The cor.of secs.21-22-27 and 28.
	Land,mountainous.
	Soil,rocky,4th.rate.
	No timber.
	Mountainous land on 79.96 chs.

	N.0°02'E.,bet.secs.21 and 22.
	Descend over broken and rocky land.
18.00	Bottom of hollow,250 ft.deep,course S.W.
	Begin abrupt ascent.
33.00	Top of spur,projects S.W.
	Descend.
40.00	Set a sandstone,15x12x4 ins.,10 ins.in the ground,for ¼ sec.cor.,marked ¼ on W.face,and raise a mound of stone,

Subdivisions of T.9 S. R.25 E.

CHAINS	
	2 ft.base,1½ ft.high,W.of cor.
	Pits impracticable.
62.00	Bottom of hollow,50 ft.deep,course S.W.
	Ascend.
77.00	Top of ridge,bears N.W.and S.E.
	Descend.
78.28	A gilsonite vein,6 ft.wide,on Cowboy Lode,bears N.W. and S.E.
80.00	Set a sandstone,16x12x5 ins.,11ins.in the ground,for cor.of secs.15-16-21 and 22,marked 9 S,on N.E.,25 E., on S.E.face,with 3 notches on S.and E.edges,and raise a mound of stone,2 ft.base,1½ ft.high,W.of cor.
	Pits impracticable.
	Land,mountainous.
	Soil,rocky,3rd.and 4th.rate.
	No timber.
	Mountainous land on 80,00 chs.

	N.89°59'W.,on a random line,bet.secs.16 and 21.
40.00	Set temp.¼ sec.cor.
79.90	Intersect N.and S.line,9.1lks.N.of the cor.of secs. 16-17-20 and 21.
	Thence I run
	N.89°57'E.,on a true line,
	Bet.secs.16 and 21.
	Over rolling rocky land,ascend through dense artemisia.
10.00	Enter scattering cedar timber.
35.00	Top of ridge,bears N.E.and S.W.
	Descend.
39.00	Bottom of hollow,75 ft.deep,course S.
	Ascend. Leave timber.
39.95	Set a sandstone,16x12x3 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.

} Corrective Note Book I Page 3

Subdivisions of T.9 S.,R.35 E.

CHAINS	
50.00	Road bears NE. and SW.
60,00	From this point a rock cabin,belonging to the Gilson Asphaltum Co.,bears N.,7.50 chs.dist.
75.00	Top of ridge,bears N.W.and S.E.
	Descend.
77.17	A gilsonite vein,6 ft.wide,on the Cowboy Lode,bears N.W.and S.E.
79.90	The cor.of secs.15-16-21 and 22.
	Land,mountainous.
	Soil,rocky,3rd.rate.
	Timber,cedars.
	Mountainous land and dense undergrowth on 79.90 chs.

N.0°02'E.,bet.secs.15 and 16.

	Descend over rocky and broken land,through dense artemisia.
15.00	Bottom of hollow,100 ft.deep,course E.
	Ascend.
31.00	Top of spur,projects W.
	Descend.
40.00	Set a sandstone,20x8x8 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.
42.00	Bottom of hollow,75 ft.deep,course S.W.
	Ascend.
45.00	Top of spur,projects N.E.
	Descend.
51.00	Bottom of hollow,100 ft.deep,course S.E.
	Ascend.
59.00	Top of spur,projects N.E.
	Descend.
60.00	Bottom of hollow,50 ft.deep,course S.E.
	Ascend.
80.00	Set a sandstone,18x10x4 ins.,12 ins.in the ground,for

See Correction Note Book Page 3

Subdivisions of T.9 S.,R.25 E.

CHAINS	
	cor.of secs.9-10-15 and 16,marked with 4 notches on S. and 3 notches on E.edges,and raise a mound of stone, 2 ft.base,1½ ft.high,W.of cor.
	Pits impracticable.
	Land,mountainous.
	Soil,rocky,3rd.rate.
	No timber.
	Mountainous land and dense undergrowth on 80.00 chs.
	August 23,1904.

August 24: At 7 a.m.,l.m.t.,I set off 40°03'N.on lat.arc, 11°10'N.on decl.arc,and determine a meridian with the solar,at the cor.of secs.9-10-15 and 16.

Thence I run

	S.89° 57'W.,on.a random line,bet.secs.9 and 16.
40.00	Set temp.¼ sec.cor.
79.94	Intersect the cor.of secs.8-9-16 and 17.
	Thence I run
	N.89°57'E.,on a true line,
	Bet.secs.9 and 16.
	Over rocky land,ascend through dense artemisia.
15.00	Top of ridge,bears N.E.and S.W.
	Descend.
26.00	Bottom of hollow,100 ft.deep,course N.E.
	Ascend.
34.00	Top of spur,projects N.
	Descend.
39.97	Set a sandstone,20x9x5 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.
41.00	Bottom of hollow,100 ft.deep,course N.E.
	Ascend.
50.00	Top of spur,projects N.

Subdivisions of T.9 S.,R.23 E. Ute.

CHAINS	
	Descend.
51.00	Bottom of hollow, 100 ft. deep, course N.W.
	Ascend.
72.00	Top of spur, projects N.
	Descend.
79.94	The cor. of secs. 9-10-15 and 16.
	Land, mountainous.
	Soil, rocky, 3rd. rate.
	No timber.
	Mountainous land on 79.94 chs.

N.0°02'E., bet. secs. 9 and 10.

	Ascend over rocky land, through dense artemisia.
4.00	Top of ridge, bears E. and W.
	Descend.
35.00	Bottom of hollow, 200 ft. deep, course N.W.
	Ascend.
40.00	Set a sandstone, 20x10x4 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.
65.00	Top of ridge, bears E. and W.
	Descend.
72.00	Head of hollow, course N.W.
	Ascend.
80.00	Set a sandstone, 20x10x8 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.
	Land, mountainous.
	Soil, rocky, 3rd. rate.
	No timber.
	Mountainous land and dense undergrowth on 80.00 chs.

Subdivisions of T.9 S.,R.25 E.

CHAINS	
	S.89°57'W.,on a random line,bet.secs.4 and 9.
40.00	Set temp.¼ sec.cor.
80.02	Intersect N.and S.line,7 lks.S.of the cor.of secs.
	4-5-8 and 9.
	Thence I run
	East,on a true line,
	Bet.secs.4 and 9.
	Descend over rocky land,through dense artemisia,
10.00	Bottom of Hollow,50 ft.deep,course N.W.
	Ascend.
13.00	Top of ridge,bears N.and S.
	Descend.
32.50	Bottom of hollow,150 ft.deep,course N.W.
	Ascend.
40.01	Set a sandstone,20x8x5 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.
68.00	Top of ridge,bears N.and S.
	Descend.
73.00	Bottom of hollow,100 ft.deep,course N.W.
	Ascend.
80.02	The cor.of secs.3-4-9 and 10.
	Land,mountainous.
	Soil,rocky,3rd.rate.
	No timber.
	Mountainous land and dense undergrowth on 80.02 chs.

	N.0°02'E.,on a random line,bet.secs.3 and 4.
40.00	Set temp.¼ sec.cor.
78.14	Intersect N.Bdy.of the Tp.,3 lks.E.of the cor.of secs.
	3-4-33 and 34,heretofore described.
	Thence I run
	S.0°01'W.,on a true line,
	Bet.secs.3 and 4.

SUbdivisions of T.3 S.,R.25 E.

CHAINS	
	Ascend over rocky land,through dense artemisia.
15.00	Top of spur,projects W.
	Descend.
18.00	Bottom of hollow,100 ft.deep,course W.
	Ascend.
23.00	Top of spur,projects W.
	Descend.
31.00	Bottom of hollow,100 ft.deep,course W.
	Ascend.
38.14	Set a sandstone,20x8x8 ins.,15 ins.in the ground,for ¼ sec.cor.,marked ¼ on W.face,and raise a mound of stone, 2 ft.base,½ ft.high,W.of cor.
	Pits impracticable.
42.50	Top of spur,projects W.
	Descend.
57.00	Bottom of hollow,100 ft.deep,course N.W.
	Ascend.
74.00	Top of spur,projects W.
	Descend.
78.14	The cor.of secs.3-4-9 and 10.
	Land,mountainous.
	Soil,rocky,3rd.rate.
	No timber.
	Mountainous land and dense undergrowth on 78.14 chs.
	August 24: At this cor.I set off 11°00'N.on decl.arc, and at 0h.02m.,p.m.,l.m.t.,observe the sun on the meridian,the resulting lat.is 40°03.N.

From the cor.of secs.2-3-34 and 35,heretofore described, on the S.Bdy.of the Tp.,I run

N.0°03'E.,bet.secs.34 and 35.

Descend abruptly over rocky land.

8.00	Bottom of hollow,500 ft.deep,course N.W.
	Begin abrupt ascent.

Subdivisions of T.9 S.,R.25 E.

CHAINS	
40.00	Set a limestone,20x8x5 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.
44.60	Top of spur,projects W.
	Begin abrupt descent.
54.00	Bottom of hollow,300 ft.deep,course W.
	Begin abrupt ascent.
62.65	Top of ridge,bears N.W.and S.E.
	Begin abrupt descent.
77.00	Bottom of hollow,150 ft.deep,course N.E.
	Begin abrupt ascent.
80.00	Set a limestone,20x12x3 ins.,15 ins.in the ground,for cor.of secs.26-27-34 and 35,marked with 1 notch on S. and 2 notches on E.edges,and raise a mound of stone, 2 ft.base,1½ ft.high,W.of cor.
	Pits impracticable.
	Land,mountainous.
	Soil,rocky,3rd.and 4th.rate.
	No timber.
	Mountainous land on 80.00 chs.

	West,on a random line,bet.secs.27 and 34.
40.00	Set temp.¼ sec.cor.
80.10	Intersect N.and S.line,5 lks.S.of the point for cor.of secs.27-28-33 and 34,witnessed 2.65 chs.west.
	Thence I run
	S.69°58'E.,on a true line,
	Bet.secs.27 and 34.
1.15	Right bank of White River,course N.W.
	Over level bottom land,through dense greasewood and willow brush.
15.00	Right bank of White River,course S.
16.60	Left bank of White River.
20.00	Leave bottom land,bears N.and S.;leave undergrowth.

Subdivisions of T.9 S.,R.25 E.

CHAINS

Begin abrupt ascent over rocky land.

35.50 Top of rocky spur,projects S.W.

Descend.

39.50 Bottom of hollow,100 ft.deep,course S.W.

Begin abrupt ascent.

41.00 Set a sandstone,28x10x10 ins.,21 ins.in the ground,for ¼ sec.cor.,marked ¼ on N.face,and raise a mound of stone, 3 ft.base,1½ ft.high,N.of cor.

Pits impracticable.

73.00 Top of ridge,bears N.and S.

Begin abrupt descent.

80.10 The cor.of secs.26-27-34 and 35.

Land,mountainous.

Soil,bottom land 2nd.rate on 20.00 chs.

balance rocky,3rd.rate.

No timber.

Mountainous land or dense undergrowth on 80.10 chs.

N.0°03'E.,bet.secs.26 and 27.

Ascend abruptly over rocky land.

12.30 Top of spur,projects N.E.

Begin abrupt descent.

33.00 Bottom of hollow,400 ft.deep,course N.W.

Begin abrupt ascent.

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.

[illegible] Top of spur,projects N.W.

Begin abrupt descent.

[illegible] Enter bottom along White River,bears W.and W.

over level land,through dense greasewood brush and willows.

[illegible] Left bank of White River,course S.W.

Subdivisions of T.2 S.,R.25 E.

CHAINS	
70.35	Right bank of White River.
80.00	Set a sandstone,15x14x4 ins.,10 ins.in the ground,for cor. of secs.22-23-26 and 27,marked with 2 notches on S.and E.edges,and raise a mound of stone,2 ft.base,1½ ft.high, W.of cor.
	Pits impracticable.
	Land,mountainous.
	Soil,rocky,3rd.and 4th.rate.on 60.00 chs.
	balance,bottom land,2nd.rate.
	No timber.
	Mountainous land or dense undergrowth on 80.00 chs.
	August 24,1904.

	August 25 : At 7 a.m.,l.m.t.,I set off 40°01'N.on let. arc,10°49'E.on decl.arc,and determine a meridian,with the solar,at the cor.of secs.22-23-26 and 27.
	Thence I run
	N.89°50'E.,on a true line,
	Bet.secs.22 and 27.
40.00	Set temp.¼ sec.cor.
40.04	Intersect N.and S.line,5 lks.E.of the cor.of secs. 21-22-27 and 28.
	Thence I run
	S.89°56'E.,on a true line,
	Bet.secs.22 and 27.
	Ascend over rocky land.
2.00	Top of ridge,bears N.E.and S.
	Begin abrupt descent over broken sandstone ledges.
16.00	Foot of abrupt descent,bears N.E.and S.W.
	Over level bottom land,through dense greasewood brush and willows.
23.50	Road to Rangely,bears N.E.and S.W.
24.40	Right bank of White River,course S.W.

Subdivisions of T.9 S.,R.25 E.

CHAINS	REMARKS
26.00	Left bank of White River.
34.00	Left bank of White River, course N.W.
36.00	Right bank of White River.
39.60	Same road, bears N.W. and S.E.
40.02	Set a sandstone, 15x14x5 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.
49.00	A log cabin, 15x15 ft., owner unknown, on line.
68.25	Same road, bears N.E. and S.W.
75.00	Elbow in White River, course from S.E. to S.W.
80.04	The cor. of secs. 22-23-26 and 27.
	Land, mountainous and bottoms.
	Soil, rocky, 3rd. and 4th. rate on 16.00 chs.
	balance, bottom land, 2nd. rate.
	No timber.
	Mountainous land or dense undergrowth on 80.04 chs.

	N.0°03'E., bet. secs. 22 and 23.
	Over bottom land, through dense greasewood brush.
2.00	Road to Rangely, bears E. and W.
	Begin abrupt ascent over rocky land.
23.10	From this point, U.S. Location Monument No. 2, Unorganized Mining District, Uintah Co., Utah, which is a sandstone, 24x15x6 ins. above the ground, marked and witnessed as described by the surveyor general, bears East, 3.27 chs. dist.
30.16	A gilsonite vein, 4 ft. wide, on Cowboy Lode, bears N.W. and S.E.
40.00	Set a sandstone, 16x8x4 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.
43.00	Top of rocky spur, projects S.E.

Subdivisions of T.9 S.,R.25 E.

CHAINS	
	Descend.
62.00	Head of hollow,course S.E.
	Ascend.
66.00	Top of ridge,bears N.E.and S.W.
	Descend.
80.00	Set a sandstone,15x8x4 ins.,10 ins.in the ground,for cor.of secs.14-15-22 and 23,marked with 3 notches on S. and 2 notches on E.edges,and raise a mound of stone, 2 ft.base,1½ ft.high,W.of cor.
	Pits impracticable.
	Land,mountainous.
	Soil,rocky,3rd.and 4th.rate on 78.00 chs.
	balance,bottom land 2nd.rate.
	No timber.
	Mountainous land or dense undergrowth on 80.00 chs.

	N.89°56'W.,on a random line,bet.secs.15 and 22.
40.00	Set temp.¼ sec.cor.
80.00	Intersect N.and S.line,7 lks.N.of the cor.of secs. 15-16-21 and 22.
	Thence I run
	S.89°59'E.,on a true line,
	Bet.secs.15 and 22.
	Descend abruptly over rocky land.
25.00	Bottom of hollow,250 ft.deep,course S.
	Begin abrupt ascent.
36.00	Top of rocky spur,projects S.E.
	Begin abrupt descent.
40.00	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.
41.00	Bottom of hollow,100 ft.deep,course S.E.
	Ascend.

Subdivisions of T.9 S., R.25 E.

CHAINS	
55.00	Top of spur, projects S.
	Descend.
60.00	Bottom of hollow, 100 ft. deep, course S.W.
	Ascend.
80.00	The cor. of secs. 14-15-22 and 23.
	Land, mountainous.
	Soil, rocky, 3rd. and 4th. rate.
	No timber.
	Mountainous land on 80.00 chs.

N. 0° 05' E., bet. secs. 14 and 15.

Over rocky land, descend through dense artemisia.

6.00	Head of hollow, course S.W.
	Ascend.
13.00	Top of ridge, bears N.W. and S.E.
	Descend.
40.00	Set a sandstone, 15x8x4 ins., 10 ins. in the ground, for ¼ sec. cor., marked ¼ on W. face, and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
	Pits impracticable.
42.50	Bottom of hollow, 75 ft. deep, course S.E.
	Ascend.
49.00	Top of spur, projects S.E.
	Descend.
69.00	Bottom of hollow, 75 ft. deep, course S.E.
	Ascend.
80.00	Set a sandstone, 15x10x4 ins., 10 ins. in the ground, for cor. of secs. 10-11-14 and 15, marked with 4 notches on S. and 2 notches on E. edges, and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
	Pits impracticable.
	Land, mountainous.
	Soil, rocky, 3rd. and 4th. rate.
	No timber.

Subdivisions of T.9 S.,R.25 E.

CHAINS	
	Mountainous land and dense undergrowth on 80.00 chs.
	August 25: At this cor.,I set off 10°44'N.on decl.arc,
	and at 0h.02m.,p.m.,l.m.t.,observe the sun on the merid-
	ian,the resulting lat.is 40°03'N.

	N.89°59'W.,on a random line,bet.secs.10 and 15.
40.00	Set temp.¼ sec.cor.
79.92	Intersect N.and S.line,5 lks.N.of the cor.of secs.
	9-10-15 and 16.
	Thence I run
	N.89°59'E.,on a true line,
	Bet.secs.10 and 15.
	Ascend over rocky land,through dense artemisia.
19.00	Top of ridge,bears N.and S.
	Descend.
39.96	Set a sandstone,15x10x4 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.
43.00	Hollow,course SE.
	Ascend.
48.00	Top of spur,projects S.E.
	Descend.
52.00	Hollow,course SE.
	Ascend.
62.00	Top of ridge,bears N.and S.
	Descend.
77.00	Bottom of hollow,75 ft.deep,course S.
	Ascend.
79.92	The cor.of secs.10-11-14 and 15.
	Land,mountainous.
	Soil,rocky,3rd.rate.
	No timber.
	Mountainous land and dense undergrowth on 79.92 chs.

Subdivisions of T.9 S.,R.25 E.

CHAINS	
	N.0°03.E.,bet.secc. 10 and 11.
	Ascend over rocky land,through dense artemisia.
34.00	Top of ridge,bears E.and W.
	Begin abrupt descent.
40.00	Set a sandstone,24x6x5 ins.,18 ins.in the ground,for ¼ sec.cor.,marked ¼ on W.face,and raise a mound ofstone, 2 ft.base,1½ ft.high,W.of cor.
	Pits impracticable.
62.00	Bottom of hollow,500 ft.deep,course E.
	Begin abrupt ascent.
80.00	Top of ridge,bears N.E.and S.W.
	Set a sandstone,20x8x8 ins.,15 ins.in the ground,for cor.of secs.2-3-10 and 11,marked with 5 notches on S. and 2 notches on E.edges,and raise a mound of stone, 2 ft.base,1½ ft.high,W.of cor.
	Pits impracticable.
	Land,mountainous.
	Soil,rocky,3rd.and 4th.rate.
	No timber.
	Mountainous land and dense undergrowth on 80.00 chs.

	S.89°59'W.,on a random line,bet.secs.3 and 10'
40.00	Set temp.¼ sec.cor.
79.98	Inter sect N.and S.line,7 lks.S.of the cor.of secs. 2-3-10 and 11.
	Thence I run
	S.89°58'E.,on a true line,
	Bet.secs.3 and 10.
	Ascend over rocky land,through dense artemisia.
3.00	Top of ridge,bears N.W,and S.E.
	Begin abrupt descent.
25.00	Bottom of hollow,300 ft.deep,course S.E.
	Begin abrupt ascent.
39.99	Set a sandstone,18x6x5 ins.,12 ins.in the ground,for

Subdivisions of T.9 S.,R.25 E.

CHAINS	
	¼ sec.cor.marked ¼ on N.face,and raise a mound of stone,
	2 ft.base,1½ ft.high,N.of cor.
	Pits impracticable.
47.00	Top of spur,projects N.W.
	Descend.
63.00	Bottom of hollow,100 ft.deep,course N.E.
	Ascend.
79.98	The cor.of secs.2-3-10 and 11,on top of ridge,
	bears N.E.and S.W.
	Land,mountainous.
	Soil,rocky,3rd.and 4th.rate.
	No timber.
	Mountainous land and dense undergrowth on 79.98 chs.

	N.0°03'E.,on a random line,bet.secs.2 and 3.
40.00	Set temp.¼ sec.cor.
78.25	Intersect N.Bdy.of the Tp.,12 lks.E.of the cor.of secs.
	2-3-34 and 35,heretofore described.
	Thence I run
	S.0°02'E.,on a true line,
	Bet.secs.2 and 3.
	Over rocky and broken land,descend through dense
	artemisia.
23.00	Bottom of hollow,100 ft.deep,course W.
	Ascend.
38.25	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.
54.00	Top of spur,projects W.
	Descend.
65.00	Bottom of hollow,100 ft.deep,course W.
	Ascend.
78.25	The cor.of secs.2-3-10 and 11.

Subdivisions of T.9 S.,R.25 E.

	CHAINS	
		Land,mountainous.
		Soil,rocky,3rd.and 4th.rate.
		No timber.
		Mountainous land and dense undergrowth on 78.25 chs.
		August 25,1904.

		August 26: At 7 a.m.,l.m.t.,I set off 39°59'N.on lat.arc, 10°29'N.on decl.arc.and determine a meridian with the solar,the cor.of secs.1-2-35 and 36,heretofore described, on the S.Bdy.of the Tp.
		Thence I run
		N.0°03'E.,bet.secs.35 and 36.
		Descend abruptly over rocky land,through scattering cedar and pinon timber.
	30.00	Leave timber.
	40.00	Set a limestone,30x15x4 ins.,23 ins.in the ground,for ¼ sec.cor.,marked + on W.face,and raise a mound of stone, 2 ft.base,1½ ft.high,W.of cor.
		Pits impracticable.
	42.00	Bottom of hollow,300 ft.deep,course N.W.
		Begin abrupt ascent.
	53.00	Enter scattering cedar and pinon timber.
	75.00	Top of spur,projects W.
		Begin abrupt descent.
	80.00	Set a sandstone,24x7x3 ins.,18 ins.in the ground,for cor.of secs.25-26-35 and 36,marked with 1 notch on S.and E.edges,from which
		A cedar,9 ins.diam.,bears N.73°E.,52 lks.dist., marked T 9 S R 25 E S 25 B T.
		A cedar,5 ins.diam.,bears S.76°E.,37 lks.dist., marked T 9 S R 25 E S 36 B T.
		A cedar,10 ins.diam.,bears S.46°W.,31 lks.dist., marked T 9 S R 25 E S 35 B T.
		A cedar,5 ins.diam.,bears N.61°W.,54 lks.dist.

Subdivisions of T. 9 S., R. 25 E.

CHAINS	
	marked T 9 S R 25 E S 26 B T.
	Land, mountainous.
	Soil, rocky, 3rd. and 4th. rate.
	Timber, cedar and pinon.
	Mountainous land on 80.00 chs.

	West on a random line, bet. secs. 26 and 35.
40.00	Set temp. ¼ sec. cor.
80.06	Intersect N. and S. line, 7 lks. S. of the cor. of secs.
	26-27-34 and 35.
	Thence I run
	S. 89° 57' E., on a true line,
	Bet. secs. 26 and 35.
	Descend abruptly over rocky land.
8.00	Bottom of hollow, 300 ft. deep, course N.
	Begin abrupt ascent.
26.30	Top of ridge, bears N. and S.
	Begin abrupt descent.
39.50	Bottom of hollow, 150 ft. deep, course N.
	Begin abrupt ascent.
40.03	Set a limestone, 15x10x3 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.
52.65	Top of spur, projects N.
	Begin abrupt descent.
72.00	Bottom of hollow, 500 ft. deep, course N.
	Begin abrupt ascent.
79.50	Enter scattering cedar and pinon timber.
80.06	The cor. of secs. 25-26-35 and 36.
	Land, mountainous.
	Soil, rocky, 3rd. and 4th. rate.
	Timber, cedar and pinon.
	Mountainous land on 80.06 chs.

CHAINS	
	The line bet.secs.25 and 36 intersects the Utah-Colorado boundary line, therefore I run
	East, on a true line,
	Bet.secs.25 and 36.
	Ascend abruptly over rocky land, through scattering cedar and pinon timber.
3.00	Top of spur, projects N.
	Begin abrupt descent.
11.50	Bottom of hollow, 400 ft. deep, course N.W.
	Begin abrupt ascent.
34.52	Intersect the Utah-Colorado boundary line, 14.47 chs., N.0°40'W., of the 207 mile cor., heretofore described. Set a limestone, 18x15x3 ins., 12 ins. in the ground, for closing cor. to secs.25 and 36, marked C on E., U CC on W., with 1 groove on S. and 5 grooves on N. face, from which
	A pinon, 4 ins. diam., bears N.87°W., 28 lks. dist., marked T 9 S R 25 E S 25 B T.
	A pinon, 7 ins. diam., bears S.77°W., 69 lks. dist., marked T 9 S R 25 E S 36 B T.
	Land, mountainous.
	Soil, rocky, 3rd. rate.
	Timber, cedar and pinon.
	Mountainous land on 34.52 chs.

	N.0°03'E., bet.secs.25 and 26.
	Over rocky land, descend abruptly through scattering cedar and pinon timber.
7.50	Bottom of hollow, 400 ft. deep, course N.W.
	Begin abrupt ascent.
	Leave timber.
21.00	Top of rocky spur, projects N.W.
	Begin abrupt descent.
40.00	Set a limestone, 18x10x8 ins., 12 ins. in the ground, for ¼ sec. cor., marked ¼ on W. face, and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.

Subdivisions of T.9 S.,R.25 E.

CHAINS	
	Pits impracticable.
47.00	Bottom of hollow,400 ft.deep,course N.W.
	Begin abrupt ascent.
57.00	Top of rocky spur,projects N.W.
	Begin abrupt descent.
69.00	Foot of abrupt descent,bears E.and W.
	Over level bottom land,through dense greasewood brush.
80.00	Set a limestone,24x10x3 ins.,18 ins.in the ground,for cor.of secs.23-24-25 and 26,marked with 2 notches on S. and 1 notch on E.edges,and dig pits,18x18x12 ins.,in each sec.,5½ ft.dist.,and raise a mound of earth,4 ft.base 2 ft.high,W.of cor.
	Land,mountainous and bottoms.
	Soil,rocky,3rd.and 4th.rate on 69.00 chs.
	balance,bottom land,2nd.rate.
	Timber,cedar and pinon.
	Mountainous land or dense undergrowth on 80.00 chs.
	August 26: At this cor.,I set off 10°23'N.on decl.arc, and at 0h.02m.,p.m.,l.m.t.,observe the sun on the meridian,the resulting lat.is 40°01'N.

	N.89°57'W.,on a random line,bet.secs.23 and 26.
40.00	Set temp.¼ sec.cor.
80.10	Intersect N.and S.line,3 lks.S.of the cor.of secs. 23-23-26 and 27.
	Thence I run
	S.89°56'E.,on a true line,
	Bet.secs.23 and 26.
	Over level bottom land through dense greasewood brush, willows and scattering cottonwood timber.
35.85	Right bank of White,River,course SE.
	Set a sandstone,15x10x4 ins.,10 ins.in the ground,for witness cor.to ¼ sec.cor.,marked W C ¼ on N.face, dig pits,18x18x12 ins.,E.and W.of stone,3 ft.dist.,and

Subdivisions of T.9 S., R.25 E.

CHAINS	
	raise a mound of earth, 3½ ft. base, 1½ ft. high, N. of cor.
40.05	Point for ¼ sec. cor. falls in river and cannot be set.
43.00	Left bank of White River, course S.
80.10	The cor. of secs. 23-24-25 and 26.
	Land, bottoms.
	Soil, bottom land, 2nd. rate.
	Timber, scattering cottonwoods.
	Dense undergrowth on 80.10 chs.

	Knowing the line bet. secs. 24 and 25 intersects the Utah-Colorado boundary line, I run
	East, on a true line,
	Bet. secs. 24 and 25.
	Over level bottom land, through dense greasewood brush.
23.00	Leave bottom land, bears N.E. and S.W.
	Begin abrupt ascent over rocky land.
33.75	Intersect the Utah-Colorado boundary line, 20.22 chs., N. 0°38' E., of the witness cor. to the 208th. mile cor.
	Set a sandstone, 24x10x4 ins., 18 ins. in the ground, for closing cor. to secs. 24 and 25, marked C on E., U CC on W., with 2 grooves on S. and 4 grooves on N. faces, and raise a mound of stone, 2 ft. base. 1½ ft. high, W. of cor.
	Pits impracticable.
	Land, mountainous and bottoms.
	Soil, bottom land on 23.00 chs., 2nd. rate.
	balance rocky, 3rd. rate.
	No timber.
	Mountainous land or dense undergrowth on 33.75 chs.

	N. 0°03' W., bet. secs. 23 and 24.
	Over level bottom land, through dense greasewood brush, willows and scattering cottonwood timber.
11.00	Left bank of White River, course W.

Subdivisions of T.9 S.,R.25 E.

CHAINS	
13.75	Right bank of White River.
25.00	Road to Rangely.bears N.E.and S.W.
28.00	Begin abrupt ascent over rocky land.
40.00	Set a sandstone,16x14x3 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.
	This cor.is set on top of spur,projecting S.E.
	Descend.
52.00	Bottom of hollow,400 ft.deep,course S.E.
	Begin abrupt ascent.
80.00	Set a sandstone,15x10x3 ins.,10 ins.in the ground,for cor.of secs.13-14-23 and 24,marked with 3 notches on S. and 1 notch on E.edges,and raise a mound of stone,2 ft. base,1½ ft.high,W.of cor.
	Pits impracticable.
	Land,mountainous and bottom.
	Soil,bottom land 2nd.rate on 28.00 chs.
	balance,rocky,3rd.rate.
	Timber,scattering cottonwoods in river bottom.
	Mountainous land or dense undergrowth on 80.00 chs.

	N.89°56'W.,on a random line,bet.secs.14 and 23.
40.00	Set temp.¼ sec.cor.
80.02	Intersect N.and S.line,7 lks.N.of the cor.of secs. 14-15-22 and 23.
	Thence I run
	S.89°59'E.,on a true line,
	Bet.secs.14 and 23.
	Ascend over broken and rocky land.
6.00	Top of ridge,bears N.and S.
	Begin abrupt descent.
12.50	Bottom of hollow,200 ft.deep,course S.

Subdivisions of T.2 S.,R.25 E.

CHAINS

Begin abrupt ascent.

27.52 Top of ridge,bears N.and S.

Begin abrupt descent.

31.00 Bottom of hollow,100 ft.deep,course N.E.

Ascend.

43.21 Set a marble,25x10x5 ins.,10 ins.in the ground,for 1/4 cor.,whence 1/4 on N.face,and raise a mound of stone, 2 ft.base,1½ ft.high,N.of cor.

Pits impracticable.

49.00 Top of spur,projects N.E.

Begin abrupt descent.

56.00 Bottom of hollow,400 ft.deep,course S.

Begin abrupt ascent.

57.32 The cor.of secs.13-14-23 and 24.

Land,mountainous.

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

No timber.

Mountainous land on E.and W.

Leaving the line bet.secs.13 and 24,intersects the Utah-Colorado boundary line,1 mun

East,on a true line,

Bet.secs.13 and 24.

Over broken and rocky land,ascend through dense

arrowleaf.

.72 Top of rocky spur,project S.E.

Descend abruptly along steep south slope.

.83 Intersect the Utah-Colorado boundary line,8.01 chs., S.80°E.,of a post mile post on said boundary, corners reversed.

Set a marble,15x15x4 ins.,10 ins.in the ground,for 1/4 sec.in secs.13 and 24,marked C on E.,U SC on W.,with 4 grooves on E.& W.faces,and raise a mound of

Subdivisions of T.9 S.,R.25 E.

CHAINS	
	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 34.65 chs.
	August 26,1904.

	August 27: At 7 a.m.,l.m.t.,I set off 40°02'N.on lat.arc, 10°08'N.on decl.arc,and determine a meridian with the solar,at the cor.of secs.13-14-23 and 24.
	Thence I run
	N.0°03'E.,bet.secs.13 and 14.
	Over rocky land,ascend abruptly through dense artemisia.
1.50	Top of spur,projects W.
	Begin abrupt descent.
10.50	Bottom of ravine,200 ft.deep,course W.
	Begin abrupt ascent.
21.65	Top of spur,projects W.
	Begin abrupt descent.
32.00	Bottom of hollow,300 ft.deep,course S.W.
	Begin abrupt ascent.
40.00	Set a sandstone,15x8x6 ins.,10 ins.in the ground,for ¼ sec.cor.,marked ¼ on W.face,and raise a mound of stone, 2 ft.base,1½ ft.high,W.of cor.
	Pits impracticable.
52.40	Top of spur,projects S.W.
	Begin abrupt descent.
63.00	Bottom of hollow,200 ft.deep,course S.W.
	Begin abrupt ascent.
70.00	Top of spur,projects S.W.
	Begin abrupt descent.
89.80	Bottom of hollow,150 ft.deep,course S.W.
	Ascend.

Subdivisions of T.9 S.,R.25 E.

	CHAINS	
	80.00	Set a sandstone,18x8x8 ins.,12 ins.in the ground,for cor.of secs.11-12-13 and 14,marked with 4 notches on S. and 1 notch on E.edges,and raise a mound of stone,2 ft. base,1½ ft.high,W.of cor.
		Pits impracticable.
		Land,mountainous.
		Soil,rocky,3rd.and 4th.rate.
		No timber.
		Mountainous land on 80.00 chs.

		N.89°59'W.,on a random line,bet.secs.11 and 14.
	40.00	Set temp.¼ sec.cor.
	79.84	Intersect N.and S.line,3 lks.N.of the cor.of secs. 10-11-14 and 15.
		Thence I run
		East,on a true line,
		Bet.secs.11 and 14.
		Over rocky land,ascend through dense artemisia.
	2.50	Top of ridge,bears N.and S.
		Begin abrupt descent.
	29.50	Bottom of hollow,200 ft.deep,course S.
		Begin abrupt ascent.
	39.92	Set a sandstone,20x8x6 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.
	61.00	Top of spur,projects S.E.
		Descend..
	70.30	Bottom of hollow,150 ft.deep,course S.
		Ascend.
	75.00	Top of spur,projects S.W.
		Descend.
	79.84	The cor.of secs.11-12-13 and 14.
		Land,mountainous.

Subdivisions of T.9 S.,R.25 E.

CHAINS	
	Soil,rocky,3rd.and 4th.rate.
	No timber.
	Mountainous land and dense undergrowth on 79.84 chs.

	Knowing the line bet.secs.12 and 13 intersects the Utah-Colorado boundary line,I run
	East,on a true line,
	Bet.secs.12 and 13.
	Descend over rocky land.
0.30	Bottom of hollow,150 ft.deep,course S.W.
	Begin abrupt ascent.
12.00	Top of spur,projects S.W.
	Begin abrupt descent.
23.00	Bottom of hollow,200 ft.deep,course S.W.
	Begin abrupt ascent.
34.57	Intersect Utah-Colorado boundary line,34.67 chs., S.0°04'E.,from the 212th.mile cor.,heretofore described. Set a sandstone,16x12x3 ins.,11 ins.in the ground,for closing cor.,to secs.12 and 13,marked C on E.,U CC on W., with 4 grooves on S.and 2 grooves on E.faces,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 34.57 chs.
	---------- ----------
	N.0°03'E.,bet.secs.11 and 12.
	Ascend over rocky land,through dense artemisia.
7.00	Top of spur,projects S.W.
	Descend.
18.00	Bottom of hollow,100 ft.deep,course S.W.
	Ascend.
34.00	Top of spur,projects W.

Subdivisions of T.9 S.,R.25 E.

CHAINS	NOTES
	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.
40.60	Bottom of hollow,100 ft.deep,course W.
	Ascend.
80.00	Set a sandstone,20x10x5 ins.,15 ins.in the ground,for cor.of secs.1-2-11 and 12,marked with 5 notches on S. and 1 notch on E.edges,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 and dense undergrowth on 80.00 chs.

	West,on a random line,bet.secs.2 and 11.
40.00	Set temp.¼ sec.cor.
79.96	Intersect N.and S.line,7 lks.N.of the cor.of secs. 2-3-10 and 11.
	Thence I run
	N.89°57'E.,on a true line,
	Bet.secs.2 and 11.
	Over rocky land,descend through dense artemisia.
12.50	Bottom of hollow,100 ft.deep,course S.E.
	Ascend.
27.00	Top of spur,projects S.
	Descend.
39.98	Set a sandstone,16x8x8 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.
54.00	Bottom of hollow,150 ft.deep,course S.

Subdivisions of T.9 S.,R.25 E.

CHAINS	
	Begin abrupt ascent.
75.00	Top of ridge,bears N.and S.
	Descend.
79.96	The cor.of secs.1-2-11 and 12.
	Land,mountainous.
	Soil,rocky,3rd.and 4th.rate.
	No timber.
	Mountainous land and dense undergrowth on 79.96 chs.
	August 27: At this cor.I set off 10°02'N.on decl.arc., and at 0h.01m.,p.m.,l.m.t.,observe the sun on the meridian,the resulting lat.is 40°03'N.

Knowing the line,bet.secs.1 and 12,will intersect the Utah-Colorado boundary line,I run

East,on a true line,

Bet.secs.1 and 12.

	Descend over rocky land,through dense artemisia.
0.30	Head of hollow,course S.
	Ascend.
3.50	Top of ridge,bears N.W.and S.E.
	Descend.
8.00	Head of hollow,course N.
	Ascend.
28.00	Top of ridge,bears N.W.and S.E.
	Descend.
34.40	Intersect the Utah-Colorado boundary line,35.00 chs., S.0°03'E.,of the 213th.mile cor.,heretofore described. Set a sandstone,16x14x4 ins.,11 ins.in the ground,for closing cor.to secs.1 and 12,marked C on E.,U CC on W., with 5 grooves on S. and 1 groove on N.faces,and raise a mound of stone,2 ft.base,1½ ft.high,W.of cor.
	Pits impracticable.
	Land,mountainous.

Subdivisions of T.9 S., R.25 E.

CHAINS	
	Soil, rocky, 3rd. and 4th. rate.
	No timber.
	Mountainous land and dense undergrowth on 34,40 chs.

	N.0°03'E., on a random line, bet. secs. 1 and 2.
40.00	Set temp. ¼ sec. cor.
78.09	Intersect N. Bdy. of Tp., 19 lks. E. of the cor. of secs. 1-2-35 and 36, heretofore described.
	Thence I run
	S.0°05'E., on a true line,
	Bet. secs. 1 and 2.
	Descend over rocky land, throu gh dense artemisia.
3.00	Bottom of hollow, 100 ft. deep, course E.
	Ascend.
34.50	Top of ridge, bears N.E. and S.W.
	Descend.
38.09	Set a sandstone, 20x8x6 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.
45.00	Bottom of hollow, 100 ft. deep, course N.E.
	Ascend.
73.00	Top of ridge, bears N.W. and S.E.
	Descend.
78.09	The cor. of secs. 1-2-11 and 12.
	Land, mountainous.
	Soil, rocky, 3rd. rate.
	No timber.
	Mountainous land and dense undergrowth on 78,09 chs.
	August 27, 1904.

GENERAL DESCRIPTION T.9 S., R.25 E.

This township is situated on White River and joins the Utah-Colorado boundary line.

The soil is generally rocky and is broken by deep ravines and hollows, all of which drain into White River, which runs through the southeast portion of the township. The soil on the bottoms along White River is generally a rich loam, capable of producing crops with irrigation, The only water found in the township is in White River. The only timber is a scattering growth of cottonwood, along White River.

The following veins of gilsonite are found in this township, viz: Chepetta, Little Chepetta, Tabor and Cowboy lodes, running through secs, 7, 8, 16, 17, 21, 22, 23, 29, 30, 31, 32, and 33.

As there was an order out for a patent survey of some of these lodes and the others already surveyed for patent, I did not take the bearing to any claim cors., deeming it sufficient to make a tie to the mineral monuments.

There was no other mineral found in this township.

There are no settlers in this township.

I return as mineral land the following: Lots 1,2,3,4,5,6,7, and 8, sec.7; lots 1 and 2, sec.8; lots 1,2,3,4,5, and 6, sec.17; lots 1,2,3,4,5,6, and 7, sec.16; lot 1 sec.15; lot 1, sec.21; lots 1,2,3, 4,5,6, and 7, sec. 23; lot 1, sec.23; lots 1,2,3,4, 5,6,7;8,9,10,11,12,13, and 14, sec.30; lots 1,2,3, and 4, sec.29; lots 1,2, and 3, sec.31; lots 1,2,3, 4,5,6, and 7, sec.32; and lot 1 sec.33.

Alfredo R. Talamantes

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 .....

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

the Subdivisions of T.9 S.,R.25 E. of the Salt Lake Base and Meridian,Utah

showing the respective capacities in which they acted:

Julius H.White ....., *Chainman.*

Egbert White, ..., *Chainman.*

Howard M.Hodge, ..., *Moundman.*

....., *Moundman.*

....., *Axman.*

....., *Axman.*

William L.White, ..., *Flagman.*

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted .....

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

Subdivisions of T.9 S.,R.25 E. .....

..... of the Salt Lake Base and ..... meridian, in the 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. .....

Julius H. White ....., *Chainman.*

Egbert White ....., *Chainman.*

Howard M. Hodge ....., *Moundman.*

....., *Moundman.*

....., *Axman.*

....., *Axman.*

William L. White. ....., *Flagman.*

Subscribed and sworn to before me this 27th. day of August, 1904. ....., 189—

SEAL

E. T. Carlisle .....

Notary Public .....

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FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, Harvey D.Heist, , 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 12th. day of April,1904. , ~~189~~ , I have well, faithfully, and truly, in my character of proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for Utah, , the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of

the Subdivisions of T.9 S.,R.25 E.,

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

Alfredo R Talamantes
United States Deputy Surveyor

Subscribed by said Alfredo R.Talamantes, and sworn to before me this 25th day of November,1904., ~~189~~ XXX

SEAL

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

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City,Utah , May 27, 1905

The foregoing field notes of the survey of the Subdivisional lines of Township No.9 South,Range No.25 East of the Salt Lake Base and Meridian,Utah,

executed by Alfredo R.Talamantes and Harvey D.Heist,U.S.Deputy Surveyors their under his contract No. 285, dated April 12,1904., ~~189~~ XXX, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Edward H Anderson
United States Surveyor General

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

United States Surveyor General

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BOOK A-325

A.3.13

corrected

FIELD NOTES

OF THE SURVEY OF THE

Subdivisions

of

T. 9 S. R. 25 E

Of the Salt Lake Base and Meridian,

Utah

AS SURVEYED BY

Wyndo R. Islaugaats and Harvey P. Hunt, *United States Deputy Surveyors*

Under his Contract No. 285, *dated* April 12, 1904

Survey commenced August 20, 1905

Survey completed August 21, 1905

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NAMES AND DUTIES OF ASSISTANTS.

Earl V. Woolley Chairman

Harvey D Hurst Chairman

BOOK A-325

INDEX DIAGRAM.

Township , *Range*

6	5	4	3	2	1
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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, Earl V Woolley and Harvey D Hist do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level chain upon even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; we will report the true distances to all notable objects, and the true lengths of all lines that we [illegible] measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey subdivisions T 9 S, R 25 E, Salt Lake Base and Mer. Utah

Earl V Woolley, Chainman

Harvey D Hist, Chainman

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

SEAL

Alfred R Talamante
Deputy Surveyor

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

....., 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

....., 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 survey of .....

....., Flagman

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

SEAL

6-14

(1)

CORRECTED NOTES OF
SUBDIVISIONS OF T. 9 S.,R. 23 E.

Survey commenced August 20th., 1905, and executed with a W.& L.E.Gurley, light mountain transit,No.-; the horizontal limb having two double verniers placed opposite to each other and reading to single minutes of arc.

The instrument was examined, tested on the true meridian at Salt Lake City, Utah, found correct, and was approved by the surveyor general for Utah, May 4, 1904.

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 secs.20,21,28 & 29 described in original field notes, , in approximate latitude 40°01'N.,longitude 109°10'W.,I set off 40°01'N. on lat. arc; 1°37'N.on decl. arc,at 4h 3 m.p.m.,l.m.t., determine with the solar a meridian and mark a point therof, on a stone firmly set in the ground, 5 chs. N. of the cor.

At 9 h. .,35 m. .,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 20.1905.

August 21: At 6 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 August 20, on which the meridian falls 0.4 ins. east of the mark determined by the solar.

At 8h 3m a.m.,l.m.t.,I set off 40°01'N. on the lat. arc,12° 14'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

(2)
CORRECTED NOTED OF
SUBDIVISIONS OF T.9S.,R.25'E.

CHAINS

0.13 ins. east of the meridian established by the Polaris observation.

The solar apparatus by p.m. and a.m. observations, defines positions of 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 8 hrs.30 min. a.m. is N.16°02'W.; the angle thus determined gives the mag. decl 16°02.E.

Note: The corections in this Tp. had already been made by Deputy Harmston, and in order to test the correctness of his work I proceed to satisfy myself as follows:

From the sec.cor.already described.

I run

N.0°01'E.bet. secs.20 and 21

40.00 Intersect ¼ sec.cor.bet. secs.20 and 21, which is a sandstone10x4ins.7 ins.above ground, marked ¼ on W.face witnessed by a mound of stone 2 ft.base 1½ ft.high W.of cor.

80.00 Intersect E.and W.line at the cor.of secs.16,17.20 and 21, which is a sandstone 10x4 ins.6 ins.above ground, marked with 3 notches on S.and 3 notches on E.,edges and witnessed by a mound of stone W. of cor.

Note: No change in topography on this line.

From the cor. of secs. 16-17-20 and 21 I run

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

39.95 Intersect ¼ sec. cor.

79.90 Intersect N. and S. line at the cor. of secs. 17-18-19 and 20.

Thence I run

N.89°55'E. on a true line bet. secs. 17 and 20.

39.95 Intersect ¼ sec. cor. bet. secs. 17 and 20.

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

(3)

CORRECTED NOTES OF

SUBDIVISIONS OF T.9 S.,R.25 E.

CHAINS	
	Note:-No change in topography on this line.

	From cor. of secs. 16-17-20 and 21 I run
	N.89°57'E. on a random line, bet. secs.16 and 21.
39.95	Fall 3 lks. N. of ¼ sec. cor.
79.90	Intersect N. and S. line 7 lks. N. of cor. of secs.15-16 -21 and 22 described in original field notes,
	Thence I run
	West on a true line bet. secs. 16 and 21.
39.95	Intersect ¼ sec. cor.
79.90	The cor. of secs. 16-17-20 and 21.
	Note:- No change in topography on this line.

	From cor. of secs. 16-17-20 and 21, I run
	N.0°02'E. bet. secs. 15 and 16.
40.01	The ¼ sec. cor. bet. secs. 15 and 16.
	Note:- No change in topography on this line.

August 21, 1905.

Alfredo R Valmonte

U.S. Deputy Surveyor.

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PAGE

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by Alfredo R. Talamantes

, United States Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the survey of ~~the~~ Subdivisions of T. 9 S., R. 2 5 E., Salt Lake Base and Meridian, Utah, showing the respective capacities in which they acted:

Earl V. Woolley, *Chainman.*

Harvey D Hirst, *Chainman.*

, *Moundman.*

, *Moundman.*

, *Axman.*

, *Axman.*

, *Flagman.*

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted Alfredo R Talamantes

, United States Deputy Surveyor, in surveying all those parts or portions of the subdivisions of T. 9 S., R. 2 5 E.,

of the Salt Lake Base and ~~meridian~~, 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

Earl V. Woolley, *Chainman.*

Harvey D. Hirst, *Chainman.*

, *Moundman.*

, *Moundman.*

, *Axman.*

, *Axman.*

, *Flagman.*

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

SEAL

Alfredo R. Talamantes
U. S. Deputy Surveyor

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FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, Alfredo R Talamantes, United States Deputy Surveyor, solemnly swear that, in pursuance of a contract received from Edward B Anderson, United States Surveyor General for Utah, bearing date the 12 day of April, 1904, 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 the United States, surveyed all those parts or portions of the subdivisions of T. 2 S., R. 25 E.,

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

Alfredo R Talamantes
United States Deputy Surveyor

Subscribed by said Alfredo R Talamantes and sworn to before me this 18th day of October, 1904

SEAL

Thomas Hull
U.S. Secretary Service
for Utah

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, October 19th, 1904.

The foregoing field notes of the survey of the subdivisions of Township 2 South, Range 25 East of the Salt Lake Base and Meridian, Utah

executed by Alfredo R Talamantes, Deputy Surveyor, under his contract No. 285, dated April 12th, 1904, having been critically examined, and the necessary corrections and explanations made, the said 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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