Volume

#

R0324

BOOK A-324

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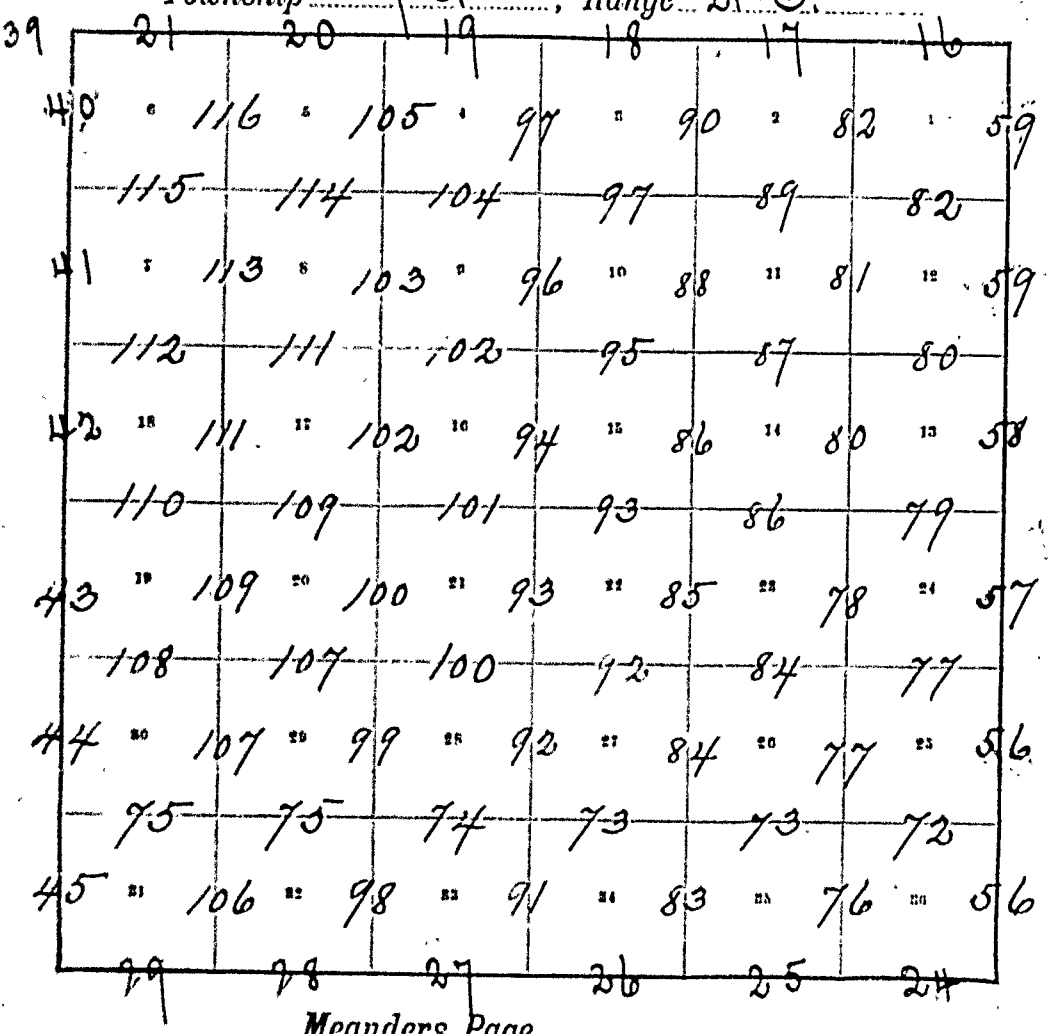

Meanders Page

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

..... *Chainman*

..... *Chainman*

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

SEAL

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

..... *Moundman*

..... *Moundman*

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

SEAL

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

..... *Axman*

..... *Axman*

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

SEAL

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

..... *Flagman.*

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

SEAL

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Township 9 S, *Range* 22 E

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PRELIMINARY OATHS OF ASSISTANTS.

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

..... *Chainman.*

..... *Chainman.*

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

SEAL

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

..... *Moundman.*

..... *Moundman.*

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

SEAL

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

..... *Axman.*

..... *Axman.*

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

SEAL

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

..... *Flagman.*

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

SEAL

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

.....

..... *Chainman*

..... *Chainman*

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

SEAL

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

.....

..... *Moundman.*

..... *Moundman.*

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

SEAL

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

.....

..... *Axman.*

..... *Axman.*

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

SEAL

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

.....

..... *Flagman.*

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

SEAL

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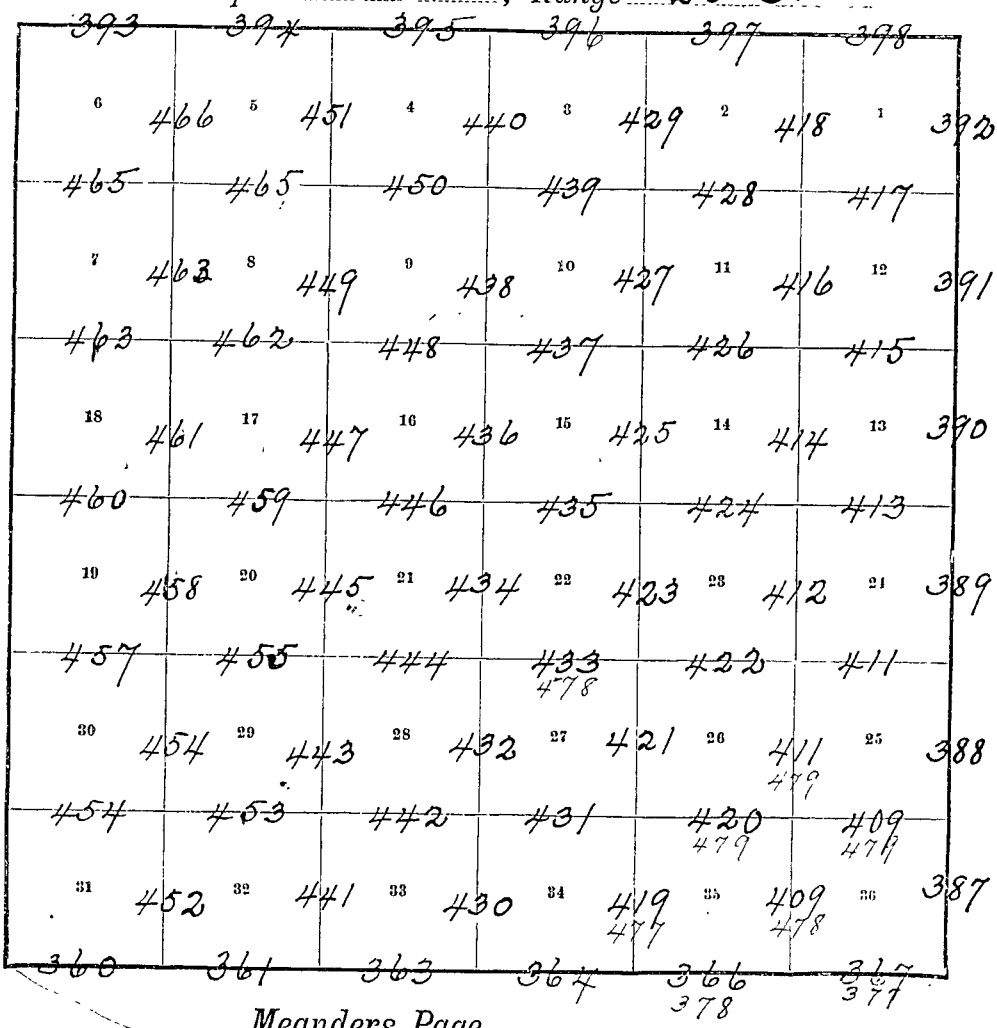
Township 10 S., *Range* 23 E.



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PRELIMINARY OATHS OF ASSISTANTS.

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

.....

.....*Chainman*

.....*Chainman*

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

SEAL

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

.....

.....*Monumentman*

.....*Monumentman*

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

SEAL

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

.....

.....*Axman*

.....*Axman*

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

SEAL

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

.....*Flagman.*

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

SEAL

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

Chainman.

Chainman.

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

SEAL

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

Monumenter.

Monumenter.

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

SEAL

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

Axman.

Axman.

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

SEAL

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

Flagman.

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

SEAL

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BOOK A-324

"A".

FILED
JUL 30 1904

FIELD NOTES

RE-
OF THE SURVEY OF THE

NORTH AND SOUTH BOUNDARIES.

of

TOWNSHIP No. 9 SOUTH,

RANGE No. 21 EAST.

Of the Salt Lake Base & *Meridian,*

in the state of Utah.

AS SURVEYED BY

lfredo R. Talamantes and Harvey D. Hoist, *United States Deputy Surveyors*

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

Survey commenced N. bdy., May 20, 1904. S. bdy., May 23, 1904, *189*

Survey completed N. bdy., May 21, 1904. S. bdy., May 24, 1904, *189*

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Res N. Bdy high 5.72 62
" " " low 0.10 00
" S Bdy high 6.05 23

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NAMES AND DUTIES OF ASSISTANTS.

Earl Woolley	Chainmen.
Heber Christensen,	"
Andrew Stumpf,	Moundman.
Edward Beaird,	Axman.
John A. Neely,	Flagman.

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Meanders Page

6—151

PRELIMINARY OATHS OF ASSISTANTS.

~~We~~ Earl Woolley and Heber Christensen, do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain over even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the re-survey of N. & S. Bdys. of T. 9 S., R. 21 E. N. Bdy. T. 9 S., R. 22 E., and W. bdy. T. 10 S., R. 22 E. of the Salt Lake Base and Meridian, ~~Utah.~~

Earl Woolley, Chainman.

Heber Christensen, Chainman.

Subscribed and sworn to before me this 20th day of May, 1904, 189

SEAL

Notary Public

~~We~~ I, Andrew Stumpf and ~~we~~ I do solemnly swear that ~~we~~ I will well and truly perform the duties of moundman in the establishment of corners, according to the instructions given ~~us~~ me, to the best of ~~our~~ my skill and ability, in the re-survey of N. & S. Bdys. of T. 9 S., R. 21 E.; N. Bdy. of T. 9 S., R. 22 E.; and W. bdy. of T. 10 S., R. 22 E. of the Salt Lake Base and Meridian, Utah.

Andrew Stumpf, Moundman.

, Moundman.

Subscribed and sworn to before me this 20th day of May, 1904, 189

SEAL

Notary Public

~~We~~ I, Edward J. Beaird and ~~we~~ I do solemnly swear that ~~we~~ I will well and truly perform the duties of axman in the establishment of corners and other duties, according to instructions given ~~us~~ me, to the best of ~~our~~ my skill and ability, in the re-survey of N. & S. bdys. of T. 9 S., R. 21 E.; N. bdy. of T. 9 S., R. 22 E.; and W. bdy. of T. 10 S., R. 22 E. of the Salt Lake Base and Meridian, Utah.

Edward J. Beaird, Axman.

, Axman.

Subscribed and sworn to before me this 20th day of May, 1904, 189

SEAL

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 re-survey of N. & S. bdys. of T. 9 S., R. 21 E.; W. bdy. of T. 10 S., R. 22 E.; and N. bdy. of T. 9 S., R. 22 E. of the Salt Lake Base and Meridian, Utah.

John A. Neely, Flagman.

Subscribed and sworn to before me this 20th day of May, 1904, 189

SEAL

Notary Public

My commission expires Feb. 6th 1907.

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RESURVEY OF N.BDY.OF T.9 S.,R.21 E.

CHAINS

Survey commenced May 20,1904,and executed with a W.& L.E. Gurley light mountain transit,No.[illegible],with solar attachment. The horizontal limb is provided with two double verniers placed opposite to eachother,reading to single minutes of arc,which is the least count of the verniers of the latitude and declination arcs. The instrument was examined tested,on the true meridian at Salt Lake City,found correct,and was approved by the surveyor general for Utah,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.to Tps.8 and 9 S.,Rs.21 and 22 E.,which is a sandstone,10x8x5 ins.above ground,with a post marked for the Tp.cor.set at side of stone;as the marks on the post are nearly obliterated,I set a sandstone, 22x8x5 ins.,16 ins.in the ground,for cor.of Tps. 8 and 9 S.,Rs.21 and 22 E.,marked

T 8 S on N.E.,

R 22 E on SE.,

T 9 S on SW.,and

R 21 on NW.face;with 6 notches on the N.,E.,S.,and W. edges;dig pits,24x24x18 ins.,on each line,N.,E.,and W., 4 ft.,and S.of stone,8 ft.dist.;and raise a mound of earth,5 ft.base,2½ ft.high,S.of cor.;

in approximate latitude 40°04'19"N.,longitude 109°31' 46"W.;I set off 40°04'N.on the lat.arc;20°04'N.on the decl.arc;and at 3h 56m 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.

RESURVEY OF N.BDY.OF T.9 S.,R.21 E.

CHAINS	
	May 21:
	At 3h 34m a.m.,l.m.t.,I observe Polaris at eastern elongation,in accordance with the Manual of Instructions, and mark a point in the line thus determined,on a peg driven in the ground,5 chs.N.of my station.
	At 6 a.m.,I lay off the azimuth of Polaris,1°34'to the west,and mark the meridian thus determined,by cutting a cross on the stone,set this morning,on which the meridian falls 0.4 ins.east of the mark determined by the solar.
	At 7h56m a.m.,l.m.t.,I set off 40°04'N.on the lat. arc;20°12'N.on the decl.arc;and mark a point in the meridian determined with the Solar,by a cross on the stone,already set 5 chs.N.of my station;this mark falls 0.3 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 Polaris observations;therefore,I conclude that the adjustments of the instrument are satisfactory.
	The magnetic bearing of the true meridian is N.16°20' W.;this gives the mag.decl.16°20'E.
	Preliminary to running the East Bdy.of this township, I retrace the N.,W.,and S.Bdys.
	I proceed as follows:
	From cor.to Tps.8 and 9 S.,Rs.21 and 22 E.,already described,I run along N.bdy.of Tp.
	N.89°53'W.,bet.secs.1 and 36.
	Over level bottom land,along N.side of White River, through dense greasewood brush.
20.00	Wagon road to Ouray Indian Agency bears NW.and SE.
40.50	Fall 23 lks.N.of old ¼ sec.cor.,which is a cottonwood post,with marks nearly obliterated.
	Set a sandstone,18x8x4 ins.,12 ins.in the ground,

Resurvey of N.Bdy.of T.9 S.,R.21 E.

CHAINS	
	for reestablished 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.
	The course is therefore S.89°47'W.,and dist,40.50 Chs.
	I offset over the ¼ sec.cor.and run
	N.89°51'W.bet.secs 1 and 36
30.60	Right bank of White River,1.80 chs.wide,course NW.
34.00	Left Bank of White River.
40.40	Fall 26 lks.N.of the old sec.cor.,which is a cottonwood post,with marks nearly obliterated.
	Set a cottonwood post,4 ft.long,4 ins.sq.,with marked stone 36 ins.in the ground,for re-established cor. of secs.1-2-35 and 36,marked
	T 8 S S 36 on NE.,
	R21 E S 1 on SE.,
	T 9 S S 2 on SW.,and
	S 35 on NW.face,with 1 notch on the E.,and 5 notches on the W.edge;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.
	Course is therefore S.89°47'W.,and dist.,40.40 chs.
	Land,level.
	Soil,clay loam,2nd rate.
	No timber.
	Dense undergrowth on 80.90 chs.

	N.89°52'W.bet.secs.2 and 35.
	Over level bottom land through dense greasewood brush.
6.00	To Left Bank of White River,1.80 chs.wide,course SW.
9.20	To right bank of White River.
40.41	Fall 24 lks.N.of the old ¼ sec.cor.,which is a cotton wood post,with marks nearly obliterated.
	Set a sandstone,18x8x6 ins.,12 ins.in the ground,for re-established ¼ sec.cor.,marked ¼ on N.facedig pits

Resurvey of N.Bdy.of T.9 S., R. 21 E.

Chains	
	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.
	Course is therefore S.89°47'W.and.dist.,40.41 chs.
	I offset over the ¼ sec.cor.,and run
	S.89°50'W.,bet.secs.2 and 35.
40.49	Fall 3 lks.N.of the cor.of secs.2-3-34 and 35,which is a sandstone,18x5x4 ins.above ground,marked as described by the surveyor general;dig pits,18x18x12 ins.,in each sec.,5½ ft.dist.;and raise a mound of earth, 4 ft.base,3 ft.high,W.of cor.
	Course is therefore S.89°47'W.,and.dist.,40.49 chs.
	Land,level.
	Soil,clay loam,2nd rate.
	No timber.
	Dense undergrowth on 80.90 chs.

	N.89°50'W.,bet.secs.3 and 34.
	Over level land through dense greasewood brush.
40.50	Fall 27 lks.N.of old ¼ sec.cor.,which is a cottonwood post,with marks nearly obliterated.
	Set a sandstone,20x10x8 in.,15 ins.in the ground, for re-established ¼ sec.cor.,marked ¼ on N.face;
	from which
	A cotton wood,8 ins.diam.,bears S.30°W.,62 lks.dist., marked ¼ S 3 B T.
	A cottonwood,8 ins.diam.,bears N.77°W.,1.85 chs.dist. marked ¼ S 34 B T.
	Course is therefore S.89°47'W.,and.dist.,40.50 chs.
	I offset over the ¼ sec.cor.,and run
	N.89°51'W.,bet.secs.3 and 34.
0.50	Enter scattering cottonwood timber.
18.00	Leave timber.
40.45	Fall 20 lks.N.of old sec.cor.,which is a cottonwood post,with marks nearly obliterated.
	Set a sandstone,24x12x8 ins.,18 ins.in the ground,

CHAINS	
	for re-established cor. of secs.3-4-33 and 34, with 3 notches on the E. and W. edges; dig pits, 18x18x12 ins., in each sec., 5½ ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, W. of cor.
	Course of this line is therefore S.89°47'W., and the Dist., 40.45 chs.
	Land level.
	Soil, clay loam, 2nd rate.
	Timber, cottonwood.
	Dense undergrowth on 80.95 chs.

	N.89°48'W. bet. secs.4 and 33.
	Over level bottom land through dense greasewood brush.
40.42	Fall 49 lks. N. of the old ¼ sec. cor., which is a cottonwood post, with marks nearly obliterated.
	Set a sandstone, 24 x6x5 ins., 18 ins. in the ground, for re-established 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.
	I continue the line with continuous measurement.
65.00	Leave bottom land, bearing NE. and SW.
	Ascend over rocky land.
77.90	Top of spur, 100 ft. above valley, projects S.
	Descend.
80.93	Fall 98 lks. N. of old sec. cor., which is a cottonwood post, with marks nearly obliterated.
	Set a sandstone, 18x10x5 ins., 12 ins. in the ground, for re-established 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.

RESURVEY OF N.BDY. OF T.9 S., R.21 E.

CHAINS	
	Course of this line is therefore S.89°30'W., and the Dist., 80.93 chs.
	Land mountainous.
	Soil, rocky, third rate.
	Timber, none.
	Mountainous land on 15.93 chs.; dense undergrowth on 80.93 chs.
	May 21: At this cor., I set off 20°13'N. on the decl. arc; and, at 11h 56m a.m., l.m.t., observe the sun on the meridian; the resulting lat. is 40°04'N.

	N.89°48'W., bet. secs. 5 and 32.
	Ascend abruptly over clay knoll.
1.00	Top of spur projects S.
	Begin abrupt descent.
10.00	Foot of abrupt descent bears NW. and SE.
	Enter level bottom land and dense greasewood brush.
27.00	Bottom of old river bed, course SE.
40.46	Fall 46 lks. N. of old ¼ sec. cor., which is a cotton wood post, with marks nearly obliterated.
	Set a sandstone, 18x8x6 ins., 12 ins. in ground for reestab. 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.
	I continue line with continuous measurement.
54.50	Bottom of old river bed, course NE.
62.50	Bottom of old river bed, course SE.
79.00	Bottom of old river bed, course NE.
80.48	Fall 91 lks. N. of the old sec. cor., which is a cotton wood post, with marks nearly obliterated.
	Set a sandstone, 20x7x5 ins., 15 ins. in the ground, for re-established cor. of secs. 5-6-31 and 32, marked with 5 notches on the E., and 1 notch on the W. edge; dig pits, 18x18x12 ins., in each sec., 5½ ft. dist.; and

RESURVEY OF THE N.BDY.OF T.9 S., R. 21 E.

CHAINS	
	raise a mound of earth,4 ft.base,2 ft.high,W.of cor.
	Course of this line is therefore S.89°33'W.,and the
	Dist.,80.48 chs.
	Land rolling and level.
	Soil,clay loam,2nd rate.
	Timber,none.
	Dense undergrowth on 70.48 chs.

	N.89°48'W.,bet.secs.6 and 31.
	Over level bottom land through dense artemisia.
39.74	Fall 17 lks.N.of the old ¼ sec.cor.,which is a sand
	stone,10x10x8 ins.above ground,marked as described by
	the surveyor general;dig pits,18x18x12 ins.,E.and W.
	of stone,3 ft.dist.;and raise a mound of earth,3½ft
	base,1½ ft.high,N.of cor.
	Course of this line is therefore S.89°57'W.,and the
	Dist.,39.74 chs.
	I offset over ¼ sec.cor.,and run
	N.89°54'W.,bet.secs.6 and 31.
2.00	Begin abrupt ascent over rocky land.
8.00	Top of spur,150 ft.above sec.cor.,projects S.
	Descend over broken rocky land.
38.72	Fall 7 lks.N.of cor.of Tps.8 and 9 S.,Rs.20 and 21 E.,
	which is a sandstone,24x16x6 ins.,in a mound of stone,
	set on a point of rocks about 40 ft.above White River,
	and marked as described by the surveyor general.
	Course of this line is therefore West,and the
	Dist.,38.72 chs.
	Land,level and mountainous.
	Soil;clay loam and rocky.
	No timber.
	Mountainous land or dense undergrowth on 78.46 chs.
	May 21,1904.

RETRACEMENT OF S.BDY.OF T. 9 S., R. 21 E.

CHAINS	
	Preliminary to the resurvey of the S.bdy.of the Tp., I retrace the line for course and distance,as follows: May 23:At 7 a.m.,l.m.t., I set off 39°59'N.on the lat.arc;20°35'N.on the decl.arc;and determine a meridian with the solar at the cor.of Tps.9 and 10 S., Rs.20 and 21 E.,heretofore described.
	Thence I run
	East bet.secs.6 and 31.
40.80	Fall 49 lks.S.of the ¼ sec.cor.,which is a sandstone, 8x8x5 ins.above ground,marked as described by the surveyor general;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.
81.15	Fall 1.98 lks.S.of the cor.of secs.5-6-31 and 32, which is a sandstone,12x10x5 ins.above ground,marked as described by the surveyor general;and raise a mound of stone,2 ft.base,1½ ft.high,W.of cor.
	Pits impracticable.
	Course N.89°18'E.
	Dist.,81.15 chs.
	East bet.secs.5 and 32.
40.36	Fall 50 lks.S.of the ¼ sec.cor.,which is a sandstone, 12x8x5 ins.above ground,marked as described by the surveyor general;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.
	I continue the line with continuous measurement.
80.76	Fall 1.18 chs.S.of the cor.of secs.4-5-32 and 33, which is a sandstone,20x20x5 ins.above ground,marked as described by the surveyor general;raise a mound of stone,2 ft.base,1½ ft.high,W.of cor.
	Course N.89°10'E.
	Dist.,80.76 chs.

RETRACEMENT OF S.BDY.OF T.9 S., R. 21 E.

CHAINS	
	East bet.secs.4 and 33.
40.40	Fall 60 lks.S.of the $\frac{1}{4}$ sec.cor.,which is a sandstone, 10x8x4 ins.above ground,marked as described by the surveyor general;raise a mound of stone,2 ft.base,$1\frac{1}{2}$ ft.high,N.of cor. Pits impracticable.
	I continue the line with continuous measurement.
80.29	Fall 1.19 chs.S.of the cor.of secs.3-4-33 and 34,which is a sandstone,12x6x3 ins.above ground,marked as described by the surveyor general;dig pits,18x18x12 ins. in each sec.,$5\frac{1}{2}$ ft.dist.;and raise a mound of earth, 4 ft.base,2 ft.high,W.of cor.
	Course of this line is therefore N.89°09'E.,and the Dist.,80.29 chs.

	East bet.secs.3 and 34.
40.21	Fall 41 lks.S.of the $\frac{1}{4}$ sec.cor.,which is a sandstone, 12x8x4 ins.above ground,marked as described by the surveyor general;dig pits,18x18x12 ins.,E.and W.of stone,3 ft.dist.;and raise a mound of earth,$3\frac{1}{2}$ ft. base,$1\frac{1}{2}$ ft.high,N.of cor.
	Course of this line is therefore N.89°25'E.,and the Dist.,40.21 chs.
	I offset over the $\frac{1}{4}$ sec.cor.and run
	East bet.secs.3 and 34.
40.39	Fall 50 lks.S.of the cor.of secs.2-3-34 and 35,which is a sandstone,10x8x6 ins.above ground,marked as described by the surveyor general;raise a mound of stone,2 ft.base,$1\frac{1}{2}$ ft.high,W.of cor.
	Pits impracticable.
	Course of this line is therefore N.89°17'E.,and the Dist.,40.39 chs.

	East bet.secs.2 and 35.
40.38	Fall 70 lks.S.of the $\frac{1}{4}$ sec.cor.,which is a sandstone, 10x6x4

RETRACEMENT OF S.BDY.OF T. 9 S., R.21 E.

ins.above ground,marked as described by the surveyor general;raise a mound of stone,2 ft.base,1½ ft.high, N.of cor.

Pits impracticable.

Course of this line is therfore N.89°00'E.,and the Dist.,40.38 chs.

I offset over the ¼ sec.cor.,and run

East bet.secs.2 and 35.

40.75 Fall 60 lks.S.of the cor.of secs.1-2-35 and 36,which is a sandstone,10x10x4 ins.above ground,marked as described by the surveyor general;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.

Course of this line is therefore N.89°09'E.,and the Dist.,40.75 chs.

East Bet,secs.1 and 36.

40.60 Fall 11 lks.N.of the ¼ sec.cor.,which is a sandstone, 12x8x3 ins.above ground,marked as described by the surveyor general;raise a mound of stone,2 ft.base,1½ ft.high,N.of cor. Pits impracticable.

I continue the line with continuous measurement.

81.30 Fall 22 lks.N.of the cor.of Tps.9 and 10 S.,Rs 21 and 22 E.,which is a sandstone,30x12x12 ins.in a mound of stone,marked as described by the surveyor general.

Course of this line is therefore S.89°51'E.,and the Dist.,81.30 chs.

May 23:At this cor., I set off 20°37'N.on the decl. arc;and at 11h57m a.m.,l.m.t.,observe the sun on the meridian;the resulting lat.is 39°59'N.

RESURVEY OF S.BDY.OF T. 9 S., R. 21 E.

Commencing at the cor.of Tps.9 and 10 S.,Rs.21 and 22E., heretofore described, I run

N.89°51'W.,resurveying S.of sec.36.

Chains.	
	Ascend abruptly over rocky land.
18.30	Top of rocky spur projects N.
	Begin abrupt descent.
22.30	Bottom of hollow, 200 ft.deep,course N.
	Begin abrupt ascent.
40.00	Set a sandstone 15x8x5 ins.,10 ins.in the ground for ¼ sec.cor. for section 36, marked ¼ on N.face; and raise a mound of stone 2 ft.base 1½ ft.high N.of cor.
	Pits impracticable.
40.70	Intersect the old ¼ sec.cor., heretofore described.
	I destroy all marks on old corner pertaining to T. 9 S., R. 21 E.
58.30	Top of rocky spur projects N.
	Descend.
78.00	Bottom of hollow, 150 ft.deep,course NE.
	Ascend.
80.00	Set a sandstone 24x12x4 ins.,18 ins.in the ground for corner of secs.35 and 36, marked with 1 notch on the E. and 5 notches on the W.edge; and raise a mound of stone 2 ft.base 1½ ft.high N.of cor.
	Pits impracticable.
	Land mountainous.
	Soil rocky; third rate.
	No timber.
	Mountainous land on 80.00 chs.

N.89°51'W. resurveying S.of sec.35

	Ascend over rocky land.
1.30	Intersect the old cor.of secs.1,2,35,and 36, heretofore described.
	I destroy all marks on old cor. pertaining to T. 9 S. R. 21 E.
	Thence I run with continuous measurement S.89°09'W.

Chains.

27.40 Top of ridge bears N. and S.

Descend.

40.00 Set a sandstone 18x8x4 ins., 12 ins.in the ground for ¼ sec.corner, for section 35, marked ¼ on N.face; and raise a mound of stone 2 ft.base 1½ ft.high N.of cor.

Pits impracticable.

42.05 Intersect old ¼ sec.cor., heretofore described.

I destroy all marks on old corner pertaining to T. 9 S. R.21 E.

Thence I run with continuous measurement,

S.89°00'W.

80.00 Set a sandstone 24x10x6 ins.,18 ins.in the ground for corner of secs.34 and 35, marked with 2 notches on the E.and 4 notches on the W.edge; and raise a mound of stone 2 ft.base 1½ ft.high N.of cor.

Pits impracticable.

Land mountainous.

Soil rocky third rate.

No timber.

Mountainous land on 80.00 chs.

S.89°00'W. resurveying S.of sec.34

Descend over rocky land.

2.43 Intersect old cor.of secs.2,3,34, and 35, heretofore described.

I destroy all marks on old cor., pertaining to T. 9 S. R.21 E.

Thence I run with continuous measurement

S.89°17'W.

40.00 Set a sandstone 15x10x4 ins.,10 ins.in the ground for ¼ sec.corner for section 34, 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.

RESURVEY OF S.BDY. OF T. 9 S., R. 21 E.

Chains.	
42.82	Intersect old ¼ sec.cor.,heretofore described, I destroy all marks on old cor. pertaining to T.9 S., R.21 E.
	Thence I run with continuous measurement
	S.89°25'W.
80.00	Set a sandstone 24x12x4 ins.,18 ins.in the ground for cor.of secs.33 and 34, marked with 3 notches on the E. and W.edges; dig pits 18x18x12 ins.in each sec. 5½ ft. dist., and raise a mound of earth 4 ft.base 2 ft.high N.of cor.
	Land mountainous.
	Soil sandy; third rate.
	No timber.
	Mountainous land on 80.00 chs.
	May 23,1904.

	May 24: At 7 h. a.m.l.m.t.I set off 39°59'N.on the lat. arc; 30°47'N.on the decl.arc; and determine a meridian with the solar at the cor.of secs.33 and 34.
	Thence I run
	S.89°25'W.resurveying S.of sec.33
	Descend over rocky land.
3.03	Intersect old cor.of secs.3,4,33, and 34, heretofore described; I destroy all marks on old corner pertaining to T. 9 S. R. 21 E.
	Thence I run with continuous measurement
	S.89°09'W.
40.00	Set a sandstone 24x8x8 ins.,18 ins.in the ground for ¼ section corner for section 33; marked ¼ on N.face; and raise a mound of stone 2 ft. base 1½ ft.high N.of cor.
	Pits impracticable.
42.92	Intersect old ¼ sec.cor.,heretofore described; I destroy all marks on old cor. pertaining to T.9 S. R. 21 E.

RESURVEY OF S. BDY. OF T. 9 S., R. 21 E.

Chains.	
80.00	Set a sandstone 28x12x5 ins., 21 ins.in the ground for corner of sections 32 and 33, marked with 4 notches on the E. and 2 notches on the W.edge; and raise a mound of stone 3 ft.base 1½ ft.high N.of cor.
	Pits impracticable.
	Land mountainous.
	Soil rocky; third rate.
	No timber.
	Mountainous land on 80.00 chs.
	S.89°09'W. resurveying S.of sec.32
	Descend over broken land.
3.32	Intersect old cor.of secs.4,5,32, and 33, heretofore described.
	I destroy all marks on old cor., pertaining to T. 9 S. R. 21 E.
	Thence I run with continuous measurement
	S.89°10'W.
12.30	Bottom of hollow 150 ft.deep,course N.
	Ascend.
40.00	Set a sandstone 24x8x6 ins..18 ins.in the ground for ¼ sec.cor.for sec.32, marked ¼ on N.face; dig pits 18x18 x12 ins. E. and W.of stone 3 ft.dist.; and raise a mound of earth 3½ft.base 1½ ft.high N.of cor.
43.72	Intersect old ¼ sec.cor. heretofore described; I destroy all marks on old cor. pertaining to T.9 S. R. 21 E.
76.10	Top of ridge bears N. and S.
	Descend.
80.00	Set a sandstone 28x12x6 ins.,21 ins.in the ground for corner of secs.31 and 32, marked with 5 notches on the E. and 1 notch on the W.edge; and raise a mound of stone 2 ft.base 1½ ft.high N.of cor.Pits impracticable.
	Land mountainous.
	Soil sandy and rocky; third rate.

RESURVEY OF S.BDY.OF T.9 S.,R.21 E.

CHAINS	
	No timber.
	Mountainous land on 80.00 chs.

	S.89° 18'W.,resurveying S.of secs.31.
	Descend over broken land through dense undergrowth.
4.08	Intersect old cor.of secs.5-6-31 and 32,heretofore described; I destroy all marks on old cor.,pertaining to T.9 S.,R.21 E.
	Thence I run with continuous measurement
	S.89°18'W.,
40.00	Set a sandstone,12x8x6 ins.,8 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.
44.43	Intersect old ¼ sec.cor.,heretofore described;I destroy all marks on old cor.,pertaining to T.9 S.,R.21 E.
85.23	The cor.of T.9 and 10 S.,Rs.20 and 21 E.,heretofore described.
	Land,rolling.
	Soil;sandy,third rate.
	No timber.
	Dense undergrowth on 85.23 chs.
	May 24,1904.

Harvey L. Hirst

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 arking the lines and corners described in the foregoing field notes of the survey of .... owing the respective capacities in which they acted:

or final affidavits see book "H" T.10 S.R.22 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 ose parts or portions of the ..... of the ..... meridian, ... of ....., which are represented the foregoing field notes as having been surveyed by him and under his direction; and that said survey s been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the rner monuments established, according to the instructions furnished by the United States Surveyor neral for .....

For final affidavits see book "H" T.10 S.R.22 E. ....., *Chainman.*

....., *Chainman.*

....., *Moundman.*

....., *Moundman.*

....., *Axman.*

....., *Axman.*

....., *Flagman.*

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

SEAL

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FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

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 "H" T.10 S.R.22 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 re survey of the North and South Boundaries of Township No.9 South, Range No.21 East 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, 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-324

FIELD NOTES

OF THE RE-SURVEY OF THE

GREEN RIVER GUIDE MERIDIAN

through

Township No. 9 South.

Of the Salt Lake Base & *Meridian,*

STATE OF UTAH.

AS RE-SURVEYED BY

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

Under their his Contract No. 235, *dated* April 12, 1904, *189*

Survey commenced May 22, 1904, *189*

Survey completed May 22, 1904, *189*

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6-04-91

NAMES AND DUTIES OF ASSISTANTS.

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

BOOK A-324

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PRELIMINARY OATHS OF ASSISTANTS.

We, CHARLES HOEL, Lewis Hahn, Earl Woolley, and Heber Christensen. do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain over even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the re-survey of Green River Guide Meridian, through T.No.9 S. of the Salt Lake Base and Meridian, Utah.

Charles Hoel ..... Earl Woolley, Chainman.

Lewis Hahn ..... Heber Christensen, Chainman.

Subscribed and sworn to before me this 22nd day of May, 1904, 189

SEAL

[signature] Notary Public

We, I, Andrew Stumpf, and do solemnly swear that ~~we~~ I will well and truly perform the duties of moundman in the establishment of corners, according to the instructions given ~~us~~ me, to the best of ~~our~~ my skill and ability, in the re-survey of Green Guide Meridian, through T.9 S. of the Salt Lake Base and Meridian, Utah.

Andrew Stumpf, Moundman.

....., Moundman.

Subscribed and sworn to before me this 22nd day of May, 1904, 189

SEAL

[signature] Notary Public

We, I, Edward J Beaird, and do solemnly swear that ~~we~~ I will well and truly perform the duties of axman in the establishment of corners and other duties, according to instructions given ~~us~~ me, to the best of ~~our~~ my skill and ability, in the re-survey of Green River Guide Meridian, through T.9 S. of the Salt Lake Base and Meridian, Utah.

Edward J. Beaird, Axman.

....., Axman.

Subscribed and sworn to before me this 22nd day of May, 1904, 189

SEAL

[signature] 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 re-survey of Green River Guide Meridian, through T.9 S. of the Salt Lake Base and Meridian, Utah.

John A. Neely, Flagman.

Subscribed and sworn to before me this 22nd day of May, 1904, 189

SEAL

[signature] Notary Public

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RESURVEY OF GREEN RIVER GUIDE MERIDIAN THRO T.9 S.

CHAINS	
	Survey commenced May 22,1904,and executed with the instrument described in Book "A"of this survey. I know the instrument to be in adjustment from recent observations made May 20,1904,and recorded in book"A"of this survey.
	At 7h a.m.,l.m.t.,I set off 20°24'N.on the decl.arc; 40°04'N.on the lat.arc;and determine a meridian with the solar at the cor.of Tps.8 and 9 S.,Rs.20 and 21 E.,heretofore described. Thence I run on a resurvey S.0°07'W.,bet.secs.1 and 6
	Descend abruptly over sandstone ledges.
0.75	Foot of sandstone ledges bears E.and W.
	Over level ground along White River bottom.
	Enter dense greasewood brush.
5.50	To N.bank of White River,1.90 chs.wide,bourse NW.
8.90	To S.bank of White River.
33.50	Begin abrupt ascent.
36.45	Top of Cathedral Butte,extending E.,4.00 chs.,and W.,15.00 chs.,200 ft.high,bears E.and W.
	Begin abrupt descent.
39.00	Foot of bluff bears E.and W.
	Difference bet.measurements of 40.30 chs.by two sets of chainmen is 4 lks.;position of middle point
	By 1st set,40.32 chs.,
	By 2nd set,40.28 chs.,the mean of which is
40.30	Fall 4 lks.E.of the old ¼ sec.cor.,which is a sandstone, 14x12x6 ins.above ground,marked as described by the survsyor general;raise a mound of stone,2 ft.base,1½ ft. high,W.of cor.
	Pits impracticable.
	Course of this line is therefore S.0°10'W.,and the dist.,40.30 chs.
	Offset over the ¼ sec.cor.,and run

RESURVEY OF GREEN RIVER GUIDE MERIDIAN THRO T.9 S.

CHAINS	
	South bet.secs.1 and 6.
25.20	Wash,1.00 ch.wide,5 ft.deep,course NE.
	Difference bet.measurements of 40.60 chs.,by two sets of chainmen is 6 lks.;position of middle point
	By 1st set,40.57 chs.,
	By 2nd set,40.63 chs.,the mean of which is
40.60	Fall 12 lks.E.of the old cor.of secs.1-6-7 and 12,which is a sandstone,12x4x4 ins.above ground,marked as described by the surveyor general;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.
	Course of this line is therefore S.0°10'W.,and the dist.,40.60 chs.
	Land,mountainous.
	Soil;rocky and sandy,third rate.
	No timber.
	Mountainous land or dense undergrowth on 80.00 chs.

	S.0°09'E.,bet.secs.7 and 12.
	Over level land through dense greasewood brush.
8.00	Leave river bottom,bearing E.and W.
16.00	Top of ridge bears E.and W. Descend.
21.00	Bottom of hollow,100 ft.deep,course NW.
	Ascend.
	Difference between measurements of 40.30 chs.by two sets of chainmen is 8 lks.;position of middle point
	By 1se set 40.34 chs.,
	By 2nd set,40.26 chs.,the mean of which is
40.30	Fall 14 lks.W.of the old ¼ sec.cor.,which is a sandstone 8x6x6 ins.above ground,marked as described by the surveyor general;raise a mound of stone,2 ft.base,1½ ft.high,W.of cor.
	Pits impracticable.

RESURVEY OF GREEN RIVER GUIDE MERIDIAN THRO T.9 S.

CHAINS	
	Course is therefore S.0°21'E., and the
	Dist., 40.30 chs.
	Offset over ¼ sec.cor., and run
	South bet. secs.7 and 12.
0.95	Top of spur projects E.
	Begin abrupt descent.
3.70	Bottom of hollow, 75 ft. deep, course E.
	Begin abrupt ascent.
6.60	Top of spur projects E.
	Begin abrupt descent.
9.70	Bottom of hollow, 75 ft. deep, course E.
	Begin ascent.
16.80	Top of spur projects E.
	Begin abrupt descent.
20.65	Bottom of hollow, 100 ft. deep, course E.
	Ascend.
35.75	Top of spur projects W.
	Begin abrupt descent.
37.80	Bottom of hollow, 100 ft. deep, course W.
	Ascend.
	Difference bet. measurements of 39.60 chs. by two sets
	of chainmen is 4 lks.; position of middle point
	By 1st set, 39.58 chs.,
	By 2nd set, 39.62 chs., the mean of which is
39.60	Fall 24 lks. W. of old cor. of secs.7-12-13 and 18, which is
	a sandstone, 12x8x5 ins. above ground, marked as described
	by the surveyor general; raise a mound of stone, 2 ft.
	base, 1½ ft. high, W. of cor.
	Pits impracticable.
	Course of this line is therefore S.0°21'E., and the
	Dist., 39.60 chs.
	Land level and mountainous.
	Soil; sandy and rocky, third rate.
	No timber.

RESURVEY OF GREEN RIVER, GUIDE MERIDIAN THRO T.9 S.

CHAINS	
	Mountainous land or dense undergrowth on 79.90 chs.

	S.0°03'E.bet secs.13 and 18.
	Ascend through dense artemisia.
8.00	Top of ridge bears E.and W.
	Descend.
15.00	Bottom of hollow,100 ft.deep,course W.
	Ascend.
25.00	Top of ridge bears E.and W.
	Descend.
36.00	Bottom of hollow,100 ft.deep,course W.
	Ascend.
	Difference bet.measurements of 38.86 chs.by two sets of chainmen is 10 lks;position of middle point by
	1st set,38.91 chs.,
	By 2nd set,38.81 chs.,the mean of which is
38.86	Fall 67 lks.W.of old ¼ sec.cor.,which is a sandstone, 8x8x6 ins.above ground,marked as described by the surveyor general;raise a mound of stone,2 ft.base,1½ ft.high,W.of cor.
	Pits impracticable.
	Course of this line is therefore S.1°00'E.,and the Dist.,38.86 chs.
	Offset over the ¼ sec.cor.,and run
	S.0°01'W.bet.secs.13 and 18.
14.15	Top of ridge bears E.and W.
	Descend.
29.10	Bottom of hollow,100 ft.deep,course W.
	Ascend.
37.20	Top of ridge bears E.and W.
	Begin abrupt descent.
	Difference bet.measurements of 40.62 chs.,by two sets of chainmen is 8 lks.;position of middle point b
	By 1st set,40.58 chs.,

RESURVEY OF GREEN RIVER GUIDE MERIDIAN THRO T.9 S.

CHAINS	
	By 2nd set, 40.66 chs., the mean of which is
40.62	Fall 71 lks. W. of old cor. of secs. 13-18-19 and 24, which is a sandstone, 20x12x6 ins. above ground, marked as described by the surveyor general; raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
	Pits impracticable.
	Course of this line is therefore S. 1°00'E., and the dis., 40.62 chs.
	Land, mountainous.
	Soil; rocky, third rate.
	No timber.
	Mountainous land and dense undergrowth on 79.48 chs.
	May 22: At this cor., I set off 20°25'N. on the decl. arc; and, at 11h57m a.m., l.m.t., observe the sun on the meridian; the resulting lat. is 40.02'N.

	S. 0°03'E. bet secs. 19 and 24.
	Descend abruptly over rocky land.
5.00	Bottom of hollow, 150 ft. deep, course W.
	Ascend.
23.50	Top of ridge bears E. and W.
	Begin abrupt descent.
26.00	Bottom of hollow, 100 ft. deep, course W.
	Ascend.
	Difference bet. measurements of 39.85 chs., by two sets of chainmen is 4 lks.; position of middle point by
	1st set, 39.83 chs.,
	By 2nd set, 39.87 chs., the mean of which is
39.85	Fall 49 lks. W. of the old ¼ sec. cor., which is a sandstone 10x8x4 ins. above ground, marked as described by the surveyor general; 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.
	Course of this line is therefore S. 0°45'E., and the Dist., 39.85 chs.

RESURVEY OF GREEN RIVER GUIDE MERIDIAN THRO T.9 S.

CHAINS	
	Offset over $\frac{1}{4}$ sec.cor., and run
	S.0°02'W.bet.secs.19 and 24
18.15	Top of ridge bears E.and W.
	Descend.
36.20	Bottom of hollow,75 ft.deep,course W.
	Ascend.
	Difference bet.measurements of 40.85 chs.by two sets of chainmen is 8 lks.;position of middle point
	By 1st set,40.81 chs.,
	By 2nd set,40.89 chs.,the mean of which is
40.85	Fall 55 lks.W.of the old cor.of secs.19-24-25 and 30, which is a sandstone,12x6x6 ins.above ground,marked as described by the surveyor general;and raise a mound of stone,2 ft.base,$1\frac{1}{2}$ ft.high,W.of cor.
	Pits impracticable.
	Course of this line is therefore S.0°45'E.,and the Dist.,40.85 chs.
	Land,mountainous.
	Soil;rocky and sandy,third rate.
	No timber.
	Mountainous land on 80.70 chs.

	S.0°03'E.bet.secs.25 and 30.
	Ascend over rolling sandy land through dense artemisia.
	Difference bet.measurements of 40.45 chs.by two sets of chainmen is 10 lks.;position of middle point
	By 1st set,40.40 chs.,
	By 2nd set,40.50 chs.,the mean of which is
40.45	Fall 31 lks.W.of old $\frac{1}{4}$ sec.cor.,which is a sandstone, 8x4x4 ins.above ground,marked as described by the surveyor general;dig pits,18x18x12 ins.,N.and S.of stone,3 ft.dist.;and raise a mound of earth,$3\frac{1}{2}$ ft. base,$1\frac{1}{2}$ ft.high,W.of cor.
	Course of this line is therefore S.0°30'E.,and the

RESURVEY OF GREEN RIVER GUIDE MERIDIAN THRO T.9 S.

CHAINS	
	Dist.,40.45 chs.
	Offset over $\frac{1}{4}$ sec.cor.,and run
	S.0°06'E.,bet.secs.25 and 30.
	Difference bet.measurements of 42.70 chs.by two sets of chainmen is 6 lks.;position of middle point
	By 1st set,42.67 chs.,
	By 2nd set,42.73 chs.,the mean of which is
42.70	Fall 28 lks.W.of the old cor.of secs.25-30-31 and 36, which is a sandstone,12x6x6 ins.above ground,marked as described by the surveyor general;dig pits,18x18x12 ins.in each sec.,5$\frac{1}{2}$ ft.dist.;and raise a mound of earth,4 ft.base,2 ft.high,W.of cor.
	Course of this line is therefore S.0°30'E.,and the
	Dist.,42.70 chs.
	Land rolling.
	Soil;sandy,third rate.
	No timber.
	Dense undergrowth on 83.15 chs.

	S.0°05'W.bet.secs.31 and 36.
	Ascend over sandy rolling land through dense artemisia.
	Difference between measurements of 40.36 chs.by two sets of chainmen is 12 lks.;position of middle point
	By 1st set,40.30 chs.,
	By 2nd set,40.42 chs.,the mean of which is
40.36	Fall 23 lks.W.of old $\frac{1}{4}$ sec.cor.,which is a sandstone 12x10x6 ins.above ground,marked as described by the surveyor general;dig pits,18x18x12 ins.,N.and S.of stone,3 ft.dist.;and raise a mound of earth,3$\frac{1}{2}$ ft.base, 1$\frac{1}{2}$ ft.high,W.of cor.
	Course of this line is therefore S.0°15'E.,and the
	Dist.,40.36 chs.
	Offset over $\frac{1}{4}$ sec.cor.,and run

CHAINS

S.0°03'W.bet.secs.31 and 36.

Difference bet,measurements of 40.42 chs.by two sets of chainmen is 8 lks.;position of middle point

By 1st set,40.46 chs.,

By 2nd set,40.38 chs.,the mean of which is

40.42 Fall 21 lks.W.of cor.of Tps.9 and 10 S.,Rs.20 and 21 E., which is a sandstone,15x10x5 ins.above ground,marked as described by the surveyor general;dig pits 24x24x12 ins.,on each line,N.,E.,and W.,4 ft.,and S.of stone, 8 ft.dist;and raise a mound of earth,5 ft.base,2½ ft. high S.of cor.

Course of this line is therefore S.0°15'E.,and the Dist.,40.42 chs.

Land,rolling.

Soil;sandy,third rate.

No timber.

Dense undergrowth on 80.78 chs.

May 22,1904.

For general description see subdivision of this township.

Harry D. Geist

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 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 re-survey of Green River Guide Meridian, through T. 9 S. of the Salt Lake Base and Meridian, Utah, showing the respective capacities in which they acted:

Charles Hoel and Lewis Hahn, *Chainman.*

Earl Woolley, and 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 re-surveying all those parts or portions of the Green River Guide Meridian, through T. 9 S. of the Salt Lake Base & meridian, in the state of Utah, which are represented in the foregoing field notes as having been re-surveyed by him and under his direction; and that said re-survey has been in all respects, to the best of our knowledge and belief, well and faithfully re-surveyed, and the corner monuments established, according to the instructions furnished by the United States Surveyor General for Utah.

Charles Hoel — Earl Woolley, *Chainman.*

Lewis Hahn — Heber Christensen, *Chainman.*

Andrew Stumpf, *Moundman.*

Moundman.

Edward J. Beaird, *Axman.*

Axman.

John A. Neely, *Flagman.*

Subscribed and sworn to before me this 22nd day of May, 1904, 189

SEAL

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, 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, re-surveyed all those parts or portions of Green River Guide Meridian, through T. 9 S. of the Salt Lake Base & meridian, in the State of Utah, which are represented in the foregoing field notes as having been re-surveyed by me, and under my direction; and I do further solemnly swear that all the corners of said re-survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for Utah, and in the specific manner described in the field notes, and that the foregoing are the original field notes of such re-survey; and should any fraud be detected, I will suffer the penalty of perjury under the provisions of an Act of Congress approved August 8, 1846.

Harvey D. Heist
United States Deputy Surveyor.

Subscribed by said Harvey D. Heist, and sworn to before me this 25th day of November, 1904.

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

SEAL

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, May 27, 1905.

The foregoing field notes of the re-survey of the Green River Guide Meridian, through Township No. 9 South, 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, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the re-surveys they describe, are hereby approved.

Edward H. Anderson
United States Surveyor General.

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

United States Surveyor General.

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BOOK A-324

JUL 30 1904

FIELD NOTES

OF THE SURVEY OF THE

East Boundary

of

Township No 9 South,

Range No. 21 East.

Of the Salt Lake Base & *Meridian,*

in the state of Utah.

AS SURVEYED BY

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

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

Survey commenced May 24, 1904., *189*

Survey completed May 25, 1904., *189*

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Check - 6-01-60
[illegible] 5.00

NAMES AND DUTIES OF ASSISTANTS.

[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]

BOOK A-324

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

Meanders Page.....

PRELIMINARY OATHS OF ASSISTANTS.

We, Earl Woolley and Heber Christensen do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain over even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of E.bdy.T.9 S.R.21 E.;E.and S.bdys.T.9 S.R.22 E.;E.bdy.T.10 S.R.22 E.; E.and N.bdys.T.10 S.R.23 E.;N.bdy.T.10 S.R.24 E.;N.bdy.T.9 S.R.25 E.; N.bdy.T.10 S.R.25 E.;and W.and S.bdys.Tps.11 and 12 S.R.24 E.of the Sa Lake Base and Meridian,Utah.

Earl Woolley, Chainman.

Heber Christensen, Chainman.

Subscribed and sworn to before me this 24th day of May,1904. xxx

SEAL

E. J. Hammerton
Notary Public

xxx I,Andrew Stumpf 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 E.bdy.T.9 S.R.21 E.;E.and S.bdys.T.9 S.R.22 E.;E.bdy.T.10 S.R.22 E.; E.and N.bdys.T.10 S.R.23 E.;N.bdy.T.10 S.R.24 E.;N.bdy.T.9 S.R.25 E.; N.bdy.T.10 S.R.25 E.;and W.and S.bdys.Tps.11 and 12 S.R.24 E.of the Sal Lake Base and Meridian,Utah.

Andrew Stumpf, Moundman.

, Moundman.

Subscribed and sworn to before me this 24th day of May,1904. xxx

SEAL

E. J. Hammerton
Notary Public

xx I,Edward J.Beaird 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 E.bdy.T.9 S.R.21 E.;E.and S.bdys.T.9 S.R.22 E.;E.bdy.T.10 S.R.22 E.; E.and N.bdys.T.10 S.R.23 E.;N.bdy.T.10 S.R.24 E.;N.bdy.T.9 S.R.25 E.; N.bdy.T.10 S.R.25 E.;and W.and S.bdys.Tps.11 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 24th day of May,1904. xxx

SEAL

E. J. Hammerton
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 the E.bdy.T.9 S.R.21 E.;E.and S.bdys.T.9 S.R.22 E.;E.bdy.T.10 S. R.22 E.;E.and N.bdys.T.10 S.R.23 E.;N.bdy.T.10 S.R.24 E.;N.bdy. T.9 S.R.25 E.;N.bdy.T.10 S.R.25 E.;and W.and S.bdys.Tps.11 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 day of , 189

SEAL

E. J. Hammerton
Notary Public

EAST BDY.OF T.9 S.,R.21 E.

(see next page)

Volume

#

R0324

East Bdy. of T. 9 S., R. 21 E.

CHAINS	
	Survey commenced May 24, 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 May 20, 1904, and recorded in book "A" of this survey.
	At 2h 57m p.m., l.m.t., I set off 39°59'N. on the lat. arc; 20°50'N. on the decl. arc; and determine a meridian with the solar at the cor. of Tps. 9 and 10 S., R. 21 and 22 E., heretofore described.
	Thence I run
	North, bet. secs. 31 and 36.
	Ascend over broken land.
20.50	Top of spur projects NE. Descend.
23.50	Bottom of hollow, 150 ft. deep, course NE. Ascend.
31.00	Top of rocky spur, 300 ft. above T. cor., projects NE. Descend.
40.00	In bottom of hollow, 100 ft. deep, course NE.
	Set a lava stone, 24x8x8 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. Ascend.
47.00	Top of spur projects E. Descend.
68.25	Bottom of hollow, 200 ft. deep, course E. Ascend abruptly.
80.00	Set a sandstone, 24x8x6 ins., 18 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, third rate.
	No timber.
	Mountainous land on 80.00 chs.

	North, bet. secs. 25 and 30.
	Ascend abruptly over rocky land.

East Bdy. of T. 9 S., R. 21 E.

CHAINS.	
7.00	Top of spur projects NE.
	Descend, over rolling land through dense greasewood brush.
40.00	Set a sandstone, 18x10x4 ins., 12 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
	Pits impracticable.
76.50	Bottom of hollow, 150 ft. deep, course NW.
	Ascend.
80.00	Set a sandstone, 18x8x8 ins., 12 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; dig pits, 18x18x12 ins. in each sec., $5\frac{1}{2}$ ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, W. of cor.
	Land, mountainous and rolling.
	Soil; rocky and sandy, third rate.
	No timber.
	Mountainous land or dense undergrowth on 80.00 chs.
	May 24, 1904.

	May 25: At 7h. a.m., l.m.t., I set off 40°01'N. on the lat. arc; 20°58'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.
	Ascend over sandy land through dense greasewood brush.
30.50	Top of ridge bears E. and W.
	Descend.
40.00	Set a sandstone, 30x12x4 ins., 22 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.
54.00	Bottom of hollow, 150 ft. deep, course NW.
	Ascend.

East BDY.OF T.9 S., R.21 E.

CHAINS	
75.00	Top of ridge bears NW.and SE.
	Descend.
80.00	Set a sandstone,24x8x5 ins.,18 ins.in the ground,for cor.of secs.13-18-19 and 24,marked with 3 notches on the N.and S.edges;dig pits,18x18x12 ins.in each sec., 5½ ft.dist.;and raise a mound of earth,4 ft.base,2 ft. high,W.of cor.
	Land rolling and mountainous.
	Soil;sandy and rocky,third rate.
	No timber.
	Mountainous land or dense undergrowth on 80.00 chs.

	North bet.secs.13 and 18.
	Descend over sandy land through dense artemisia.
21.00	Bottom of hollow,100 ft.deep,course SE.
	Ascend.
40.00	Set a sandstone,24x8x5 ins.,18 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.
54.50	Top of ridge bears NW.and SE.
	Descend.
64.00	Begin abrupt descent,bearing NE.and SW.
74.50	Bottom of hollow,200 ft.deep,course NE.
	Begin abrupt ascent.
80.00	Set a sandstone,24x12x5 ins.,18 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;sandy and rocky,third rate.
	No timber.
	Mountainous land or dense undergrowth on 80.00 chs.

EAST BDY. OF T.9 S., R. 21 E.

Chains.	
	North bet.secs. 7 and 12.
	Ascend abruptly over rocky land.
10.00	Top of spur projects NE.
	Begin abrupt descent.
14.00	Bottom of hollow 200 ft.deep,course NE.
	Ascend.
23.00	Top of spur projects NE.
	Descend.
39.00	Bottom of hollow 200 ft.deep,course NE.
	Begin abrupt ascent.
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.
45.00	Top of spur projects NE.
	Begin descent.
58.00	Bottom of hollow 150 ft.deep,course NE.
	Begin abrupt ascent.
62.00	Top of spur projects NE.
	Descend over rolling land;through dense artemisia.
80.00	Set a sandstone 15x12x5 ins.10 ins.in the ground for cor.of secs.1,6,7, and 12, marked with 5 notches on the S.and 1 notch on the N.edge; and raise a mound of stone 2 ft.base 1½ ft.high W.of cor.
	Pits impracticable.
	Land mountainous and rolling.
	Soil rocky, third rate.
	No timber.
	Mountainous land or dense undergrowth on 80.00 chs.
	North bet.secs.1 and 6
	Descend over rolling land through dense artemisia.
22.00	White River bottom bears NW.and SE.
	Enter dense greasewood brush over level land.

EAST BDY. OF T. 9 S. R. 21 E.

Chains.	
29.18	To S.bank of White River 1.32 chs.wide, course W.
30.50	To N.bank of White River.
40.00	Set a sandstone 24x9x5 ins.,18 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. Pits impracticable.
51.00	Framecabin 25x15 ft., belonging to an Indian (Chepeta) bears East 5 chs.
62.00	Wagon road to Ouray Agency bears NW.and SE.
81.60	Fall 5.80 chs.S.89°45'E.of the cor.of Tps.8 and 9 S.Rs, 21 and 22 E., heretofore described. Set a cottonwood post 4 ft.long, 4 ins.sq., with marked stone 24 ins.in the ground for closing cor.of Tps.9 S. Rs. 21 and 22 E. on S.bdy.of T.8 S.R.22 E., marked C C T 9 S on S. R 22 E S 6 on E. R 21 E S 1 on W.face, with 6 gr ooves on S.E. and W. faces; dig pits 30x24x12 ins.crosswise on each line E. and W. 4 ft., and S.of post 8 ft.dist.; and raise a mound of earth 5 ft.base 2½ ft.high S.of cor. I destroy all marks on old Tp.cor. pertaining to Tps.9 S. Land mountainous and level. Soil sandy and rocky; third rate. No timber. Mountainous land or dense undergrowth on 81.60 chs. May 25,1904.

For general description see subdivision of this township.

BOUNDARIES OF T.9 S.,R.21 E.

Latitudes, departures and closing errors.

Line designated	True Bearing	Dist. chs.	Latitudes N. chs.	Latitudes S. chs.	Departures E. chs.	Departures W. chs.
S.BDY., T.8 S.R.22 E.	N.89°45'W.	5.80	0.02			5.80
S.BDY. T.8 S.R.21 E.						
S.Bdy.Sec.36--	S.89°47'W.	80.90		0.30		80.90
" " " 35	S.89°47'W.	80.90		0.30		80.90
" " " 34	S.89°47'W.	80.95		0.30		80.95
" " " 33	S.89°30'W.	80.93		0.70		80.93
" " " 32	S.89°33'W.	80.48		0.61		80.48
E.½ of " " " 31	S.89°57'W.	39.74		0.03		39.74
W.½ of " " " "	West	38.72				38.72
E.BDY., T.9 S.R.20 E.						
E.Bdy.Sec.1	S. 0°10'W.	80.90		80.90		0.23
" " " 12	S. 0°21'E.	79.90		79.90	0.49	
" " " 13	S. 1°00'E.	79.48		79.47	1.39	
" " " 24	S. 0°45'E.	80.70		80.69	1.05	
" " " 25	S. 0°30'E.	83.15		83.15	0.73	
" " " 36	S. 0°15'E.	80.78		80.78	0.35	
N.BDY., T.10 S.R.21 E.						
N.Bdy.Sec.6	N.89°18'E.	81.15	0.99		81.14	
" " " 5	N.89°10'E.	80.76	1.17		80.75	
" " " 4	N.89°09'E.	80.29	1.19		80.28	
W.½ of " " " 3	N.89°25'E.	40.21	0.41		40.21	
E.½ of " " " 3	N.89°17'E.	40.39	0.50		40.39	
W.½ of " " " 2	N.89°00'E.	40.38	0.70		40.37	
E.½ of " " " 2	N.89°09'E.	40.75	0.60		40.75	
" " " 1	S.89°51'E.	81.30		0.21	81.30	
E.BDY. T.9 S.R.21 E.	North	481.60	481.60			
CONVERGENCY						0.61
			487.18	487.34	489.20	489.26
				487.18		489.20
		ERROR IN LAT.		0.16	DEP.	0.06

Harry D. Hirst,
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[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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BOOK A-324

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

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

For final affidavit see book "Z 11 " T.12 S.R.24 E.

..... of the ..... meridian, in the ..... of ....., which are represented in tl foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnl swear that all the corners of said survey have been established and perpetuated in strict accordance wit the Manual of Surveying Instructions, and the special written instructions of the United States Surveyo General for ..... and in the specific manner described in the field notes, and tha the foregoing are the original field notes of such survey; and should any fraud be detected, I will suffe 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 East Boundary of Township No.9 South, Range No.21 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, 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 F. 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.

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JUL 30 1904

BOOK A-324

FIELD NOTES

OF THE SURVEY OF THE

Subdivisions

of

Township No.9 South,

Range No.21 East.

Of the Salt Lake Base & *Meridian,*

in the state of Utah.

AS SURVEYED BY

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

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

Survey commenced May 25, 1904, *189*

Survey completed June 6, 1904, *189*

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59-74,30

51,59

55,65

BOOK A-324

NAMES AND DUTIES OF ASSISTANTS.

Earl Woolley, ... Chainman

Heber Christensen ..... Chainman.

Andrew Stumpf, ... Moundman.

Edward J. Beaird, ... Axman

John A. Neely, ... Flagman.

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BOOK A-324

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Meanders Page

6—151

PRELIMINARY OATHS OF ASSISTANTS.

We, Earl Woolley, and Heber Christensen, do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will lev 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 a measuring, to the best of our skill and ability, and in accordance with instructions given us, in the su Subdivisions of Tps. 9 S., Rs. 21 and 22 E.; Tps. 10 S., Rs. 22-23-24- an and Tps. 11 and 12 S.R. 24 E. of the Salt Lake Base and Meridian, Utah.

Earl Woolley, Chai
Heber Christensen, Chai

Subscribed and sworn to before me this 25th day of May, 1904, 189

SEAL

Notary Public

I ~~We~~, Andrew Stumpf and
do solemnly swear that I ~~we~~ will well and truly perform the duties of moundman in the establish of corners, according to the instructions given me ~~us~~, to the best of my ~~our~~ skill and ability, in the surv Subdivisions of Tps. 9 S., Rs. 21 and 22 E.; Tps. 10 S., Rs. 22-23-24-25 Tps. 11 and 12 S.R. 24 E. of the Salt Lake Base and Meridian, Utah.

Andrew Stumpf, Mound
, Mound

Subscribed and sworn to before me this 25th day of May, 1904, 189

SEAL

Notary Public

I ~~We~~, Edward J. Beaird, and
do solemnly swear that I ~~we~~ will well and truly perform the duties of axman in the establishment of corn and other duties, according to instructions given me ~~us~~, to the best of my ~~our~~ skill and ability, in the survey Subdivisions of Tps. 9 S., Rs. 21 and 22 E.; Tps. 10 S., Rs. 22-23-24-25 E. Tps. 11 and 12 S.R. 24 E. of the Salt Lake Base and Meridian, Utah.

Edward J. Beaird, Axm
, Axma

Subscribed and sworn to before me this 25th day of May, 1904, 189

SEAL

Notary Public

I, John A. Neely, do solemnly swear that I will well and tru perform the duties of flagman according to instructions given me, to the best of my skill and ability, in t survey of Subdivisions of Tps. 9 S., Rs. 21 and 22 E.; Tps. 10 S., Rs. 22-23-2 and Tps. 11 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 25th day of May, 1904, 189

SEAL

Notary Public

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SUBDIVISIONS OF T. 9 S., R. 21 E.

CHAINS.

Survey commenced May 25,1904,and executed with a W.& L.E.Gurley light mountain transit,No.A,with solar attachment. The horizontal limb is provided with two double verniers placed opposite to eachother,and reading to single minutes of arc,which is also the least count of the verniers of the latitude and declination arcs.

The instrument was examined,tested on the true meridian at Salt Lake City,found correct,and was approved by the Surveyor general for Utah,May 4th,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.25-30-31 and 36,heretofore described on the E.bdy.of the Tp.,latitude 40°00'N.,longitude 109°32'W.;I set off 40°00'N.on the lat.arc;21°01'N. on the decl.arc;and,at 3h 57m 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.

May 25,1904.

May 26:At 3h 14m a.m.,l.m.t.,I observe Polaris at eastern elongation,in accordance with the Manual of Instructions,and mark a point in the line thus determined on a peg driven in the ground,5 chs.N.of my station.

At 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 this morning,on which the meridian falls 0.4 ins.east of the mark determined by the solar.

At 6 h 57m a.m.l.m.t.,I set off 40°00'N.on the lat.arc;

SUBDIVISIONS OF T. 9 S., R. 21 E.

CHAINS	
	21°08'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. E. 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 Polaris observations; therefore I conclude that the adjustments of the instrument are satisfactory.
	The magnetic bearing of the true meridian, is N. 16°20' W.; the angle thus determined gives the mag. decl. 16°20'E.
	Thence I run
	West on a sectional correction line Bet. secs. 25 and 36.
	Over sandy land, ascend through dense artemisia.
4.00	Top of ridge bears NE. and SW.
	Descend.
40.00	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.
44.00	Bottom of hollow, 100 ft. deep, course N.
	Ascend.
49.00	Top of spur projects N.
	Descend.
80.00	Set a sandstone, 24x12x4 ins., 18 ins. in the ground, for cor. of secs. 25-26-35 and 36, marked with 1 notch on the S. and E. edges; dig pits, 18x18x12 ins., in each sec., 5½ ft. dist; and raise a mound of earth, 4 ft. base, 2 ft. high, W. of cor.
	Land, mountainous.
	Soil; rocky and sandy, 3rd rate.
	No timber.

SUBDIVISIONS OF T. 9 S., R. 21 E.

CHAINS	
	Mountainous land and dense undergrowth on 80.00 chs.

	West on the sectional correction line
	Bet.secs.26 and 35.
	Over rocky land descend through dense artemisia.
10.00	Head of hollow, course N.E.
	Ascend.
21.50	Top of ridge, bears N. and S.
	Descend.
40.00	Set a sandstone, 24x12x4 ins., 18 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.
80.00	Set a sandstone, 28x6x6 ins., 21 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 and rolling.
	Soil; sandy and rocky.
	No timber.
	Mountainous land or dense undergrowth on 80.00 chs.

	West on a sectional correction line
	Bet.secs.27 and 34.
	Over rocky and broken land, descend through dense artemisia.
40.00	Set a sandstone, 30x6x5 ins., 22 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 3½ft base, 1½ ft. high, N. of cor.
80.00	Set a sandstone, 24x8x6 ins., 18 ins. in the ground, for cor. of secs. 27-28-33 and 34, marked with 3 notches on the E. and 1 notch on the S. edge; dig pits 18x18x12 ins.,

SUBDIVISIONS OF T.9 S., R. 21 E.

CHAINS	
	in each sec., $5\frac{1}{2}$ ft. dist.; and raise amound of earth, 4 ft. base, 2 ft. high, W. of cor.
	Land, rolling and broken.
	Soil, sandy and rocky, third rate.
	No timber.
	Dense undergrowth on 80.00 chs.
	May 26: At this cor., I set off 21°10'N. on the decl. arc; and, at 11h 57m a.m., l.m.t., observe the sun on the meridian; the resulting lat. is 40°00'N.

	West on a sectional correction line Bet. secs. 28 and 33.
	Descend over sandy land through dense artemisia.
7.00	Bottom of hollow, 100 ft. deep, course SW.
	Ascend.
12.00	Top of spur projects S.
	Descend.
26.75	Bottom of hollow, 100 ft. deep, course NW.
	Ascend.
34.00	Top of spur projects NW.
	Descend.
39.00	Bottom of hollow, 100 ft. deep, course NW.
	Ascend.
40.00	Set a sandstone, 26x12x4 ins., 19 ins. in the ground, for $\frac{1}{2}$ sec. cor., marked $\frac{1}{4}$ on N. face; dig pits, 18x18x12 ins., E. and W. of stone, 3 ft. dist.; and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
45.00	Top of spur projects NW.
	Descend.
73.50	Bottom of hollow, 150 ft. deep, course N.
	Ascend.
80.00	Set a sandstone, 27x8x3 ins., 20 ins. in the ground, for cor. of secs. 28-29-32 and 33, marked with 4 notches on the E. and 1 notch on the S. edge; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

SUBDIVISIONS OF T.9 S., R. 21 E.

CHAINS	
	Pits impracticable.
	Land mountainous.
	Soil;rocky and sandy,third rate.
	No timber.
	Mountainous land and dense undergrowth on 80.00 chs.
	West on a sectional correction line
	Bet.secs.29 and 32.
	Ascend over rocky land.
35.00	Top of ridge bears N.and S.
	Descend over rolling land.
40.00	Set a sandstone,24x12x3 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.
80.00	Set a sandstone,24x10x5 ins.,18 ins.in the ground,for cor.of secs.29-30-31 and 32,marked with 5 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.
40 40	Pits impracticable.
	Land rolling and mountainous.
	Soil;sandy and rocky,third rate.
	No timber.
	Mountainous land on 40.00 chs.
	Knowing the line bet.secs.30 and 31 will not close within limits,I run
	West on a sectional correction line
	Bet.secs.30 and 31.
	Over rolling land descend through dense artemisia.
40.00	Set a sandstone,24x14x3 ins.,18 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.
85.27	Intersect Green River Guide Meridian 5.20 chs.N.0°30'W.

SUBDIVISIONS OF T. 9 S., R. 21 E.

CHAINS	
	of the old corner,
	Set a sandstone, 36x6x6 ins., 27 ins. in the ground, for closing corner of secs. 30 and 31, marked C C on E.; with 1 groove on the S. and 5 grooves on the N. face; dig pits 24x18x12 ins. crosswise on each line, N. and S., 3 ft., and E. of stone, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, E. of cor.
	I destroy all marks on the old sec. cor., pertaining to T. 9 S., R. 21E.
	Land rolling.
	Soil; sandy and rocky; third rate.
	No timber.
	Dense undergrowth on 85.27 chs.
	May 26th, 1904.

	May 27: At 7 h a.m., l.m.t., I set off 40°00'N. on the lat. arc; 21°19'N. on the decl. arc; and determine a meridian with the solar at cor. of secs. 25-26-35 and 36, on the sectional correction line.
	Thence I run
	S. 0°01'E. on a random line bet. secs. 35 and 36.
40.00	Set temp. ¼ sec. cor.
79.80	Intersect S. bdy. of the Tp., 9 lks. E. of the cor. of secs. 35 and 36, heretofore described.
	Thence I run
	N. 0°03'E., on a true line
	Bet. secs. 35 and 36.
	Descend over rocky land through dense artemisia.
11.00	Bottom of hollow, 100 ft. deep, course SE.
	Begin abrupt ascent.
14.00	Top of spur projects SE.
	Descend.
28.00	Bottom of hollow, 150 ft. deep, course E.
	Ascend.

SUBDIVISIONS OF T. 9 S., R. 21 E.

CHAINS	
39.80	Set a sandstone, 18x8x5 ins., 12 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
	Pits impracticable.
50.00	Top of rocky ridge bears E. and W.
	Descend.
79.80	The cor. of secs. 25-26-35 and 36, on the sectional correction line.
	Land, mountainous.
	Soil; rocky, third rate.
	No timber.
	Mountainous land and dense undergrowth on 79.80 chs.

	N. 0°01' W., bet. secs. 25 and 26.
	Descend through dense artemisia.
7.00	Bottom of hollow, 100 ft. deep, course NE.
	Ascend.
18.00	Top of ridge bears NE. and SW.
	Descend over rolling land.
40.00	Set a sand stone, 18x8x5 ins., 12 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
	Pits impracticable.
80.00	Set a sandstone, 24x10x4 ins., 18 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, $1\frac{1}{2}$ ft. high, W. of cor.
	Pits impracticable.
	Land, mountainous and rolling.
	Soil; rocky, third rate.
	No timber.
	Mountainous land or dense undergrowth on 80.00 chs.

	E. on a random line bet. secs. 24 and 25.
40.00	Set temp. $\frac{1}{4}$ sec. cor.

SUBDIVISIONS OF T. 9 S., R. 21 E.

CHAINS	
79.94	Intersect E.bdy.of the Tp.,9 lks.S.of the cor.of secs. 19-24-25 and 30,heretofore described.
	Thence I run.
	S.89°56'W.on a true line
	Bet.secs.24 and 25.
	Ascend through dense artemisia.
16.00	Top of spur projects SW.
	Descend.
39.00	Bottom of hollow,100 ft.deep,course N.
	Ascend.
39.97	Set a sandstone,36x8x4 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.
79.94	The cor.of secs.23-24-25 and 26.
	Land mountainous and rolling.
	Soil;rocky,third rate.
	No timber.
	Mountainous land,20.00 chs.;dense undergrowth on 79.94 chs.
	May 27:At this cor.,I set off 21°30'N.on the decl. arc;and at.11 h 57m a.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.
	Over rolling land,descend through dense artemisia.
38.00	Bottom of hollow,100 ft.deep,course W.
	Ascend.
40.00	Set a sandstone,27x8x6 ins.,20 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 W.
	Descend.

SUBDIVISIONS OF T. 9 S., R. 21 E.

CHAINS	
73.00	Bottom of hollow, 100 ft. deep, course NE.
	Ascend.
79.00	Top of spur projects E.
	Descend.
80.00	Set a sandstone, 24x12x5 ins., 18 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 rolling and mountainous.
	Soil, rocky third rate.
	No timber.
	Mountainous land on 40.00 chs.; dense undergrowth on 80.00 chs.

	N. 89°56' E. on a random line bet. secs. 13 and 24.
40.00	Set temp. ¼ sec. cor.
80.04	Intersect E. bdy. of the Tp., 5 lks. N. of the cor. of secs. 13-18-19 and 24, heretofore described.
	Thence I run
	S. 89°58' W. on a true line
	Bet. secs. 13 and 24.
	Descend through dense artemisia.
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.
78.00	Bottom of hollow, 100 ft. deep, course N.
	Ascend.
80.04	The cor. of secs. 13-14-23 and 24.
	Land rolling.
	Soil; rocky, third rate.
	No timber.
	Dense undergrowth on 80.04 chs.

SUBDIVISIONS OF T. 9 S., R. 21 E.

CHAINS	
	N.0°01'W., bet. secs. 13 and 14.
	Descend over sandy land through dense artemisia.
10.75	Bottom of hollow, 100 ft. deep, course E.
	Ascend.
20.00	Top of ridge bears NW. and SE.
	Descend.
40.00	Set a sandstone, 24x6x4 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.
51.50	Bottom of hollow, 150 ft. deep, course NW.
	Ascend.
80.00	Set a sandstone, 24x6x4 ins., 18 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; 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.
	Soil; sandy and rocky, third rate.
	No timber.
	Mountainous land and dense undergrowth on 80.00 chs.
	May 27, 1904.

	May 28: At 7 h a.m., l.m.t., I set off 40°03'N. on the lat. arc; 21°28'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.89°58'E. on a random line bet. secs. 12 and 13.
40.00	Set temp. ¼ sec. cor.
79.98	Intersect E. bdy. of the Tp., 3 lks. N. 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.

SUBDIVISIONS OF T. 9 S., R. 21 E.

CHAINS	
	Begin abrupt ascent over broken and rocky land.
30.00	Top of ridge bears NW. and SE., 200 ft. above sec. cor. Descend.
39.99	Set a sandstone, 18x6x5 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.
73.00	Bottom of hollow, 100 ft. deep, course S.
	Ascend.
79.98	The cor. of secs. 11-12-13 and 14.
	Land mountainous.
	Soil; rocky and sandy, third rate.
	No timber.
	Mountainous land on 79.98 chs.

	N. 0°01' W., bet. secs. 11 and 12.
	Ascend through dense artemisia.
40.00	Set a sandstone, 30x12x4 ins., 22 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.
46.00	Top of ridge bears NW. and SE.
	Descend over broken, rocky land.
80.00	Set a sandstone, 15x10x5 ins., 10 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, and rolling.
	Soil; rocky and sandy, third rate.
	No timber.
	Mountainous land or dense undergrowth on 80.00 chs.
	May 28: At this cor., I set off 21°30' N. on the decl. arc; and at 11 h 57 m a.m., l.m.t., observe the sun on meridian; the resulting lat is 40°03' N.

SUBDIVISIONS OF T. 9 S., R. 21 E.

CHAINS	
	N.89°59'E.on a random line b-t.secs.1 and 12.
40.00	Set temp.¼ sec.cor.
80.04	Intersect E.bdy.of the Tp.,17 lks.N.of the cor.of secs. 1-6-7 and 12,heretofore described.
	Thence I run
	N.89°54'W.on a true line
	Bet.secs.1 and 12.
	Over rolling sandy land ascend through dense artemisia.
40.02	Set a trachyte stone,18x15x5 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.
63.50	Top of spur projects NW.,200 ft.above sec.cor.
	Descend.
66.25	Bottom of hollow,100 ft.deep,course N.
	Ascend.
80.04	The cor.of secs.1-2-11 and 12.
	Land mountainous.
	Soil;sandy,third rate.
	No timber.
	Mountainous land and dense undergrowth on 80.04 chs.
	Knowing the line bet. secs.1 and 2 will not close within limits on the N.bdy.of the Tp.,I run
	N.0°01'W.,bet.secs.1 and 2,on a true line.
	Descend,over mountainous land.
1.75	Bottom of hollow,150 ft.deep,course E.
	Begin abrupt ascent.
6.00	Top of spur projects E.
	Begin abrupt descent.
23.00	Enter bottom along White River,bearing E.and W.
	Over level land,enter dense greasewood brush.
40.00	Set a sandstone,24x7x7 ins.,18 ins.in the ground,for ¼ sec.cor.,marked ¼ on W.face;dig pits 18x18x12 ins.,

SUBDIVISIONS OF T. 9 S., R. 21 E.

CHAINS

N. and S. of stone, 3 ft. dist.; and raise a mound of earth 3½ ft. base, 1½ ft. high, W. of cor.

81.25 Intersect N. bdy. of the Tp., 6.80 chs. N. 89°47' E. of the cor. of secs. 1-2-35 and 36, heretofore described.

On the S. bank of White River, 1.80 chs. wide, course NW.

Set a cottonwood post, 3 ft. long, 4 ins. sq., with marked stone 24 ins. in the ground, for closing cor. of secs. 1 and 2, marked

C C T 9 S R 21 E. on S.,

S 1 on E., and

S 2 on W. face, with 1 groove on the E., and 5 grooves on the W. face; dig pits, 24x18x12 ins., crosswise on each line, E. and W., 3 ft. and S. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, S. of cor.

Destroy all marks on old sec. cor., pertaining to T. 9 S., R. 21 E.

Land mountainous, and level.

Soil; rocky and sandy, third rate.

No timber.

Mountainous land or dense undergrowth on 81.25 chs.

May 28, 1904.

May 29: At 7 ha. m., l. m. t., I set off 40°00' N. on the lat. arc; 21°38' N. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 26-27-34 and 35, on the sectional correction line.

Thence I run

S. 0°01' E. on a random line bet. secs. 34 and 35.

40.00 Set temp. ¼ sec. cor.

81.10 Intersect S. bdy. of the Tp., 5 lks. W. of the cor. of secs. 35 and 36, heretofore described.

Thence I run

N. 0°03' W., on a true line

Bet. secs. 34 and 35.

SUBDIVISIONS OF T. 9 S., R. 21 E.

Chains	
	Descend over broken rocky land,
15.00	Begin ascent.
41.10	On top of ridge, bearing N. and W.
	Set a sandstone, 27x10x5 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.
	Descend.
81.10	The cor. of secs. 26-27-34 and 35.
	Land mountainous.
	Soil: rocky, third rate.
	No timber.
	Mountainous land on 81.10 chs.

N. 0°01' W., bet. secs. 26 and 27.

Descend over rocky broken land.

37.00 Head of hollow, course W. Ascend.

40.00 On top of ridge, bearing NE. and SW.,

Set a sandstone, 20x12x5 ins., 15 ins. in the ground, for ¼ sec. cor., marked ¼ on W. face; and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.

Pits impracticable. Descend.

80.00 Set a sandstone, 24x10x5 ins., 18 ins. in the ground, for cor. of secs. 22-23-26 and 27, marked with 4 notches on the S. and W. edges; and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.

Pits impracticable.

Land, mountainous.

Soil: rocky, third rate.

No timber.

Mountainous land on 80.00 chs.

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

40.00 Set temp. ¼ sec. cor.

SUBDIVISIONS OF T. 9 S., R. 21 E.

CHAINS	
80.06	Intersect N. and S. line, 3 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.
	Over rolling land ascend through dense artemisia.
40.03	Set a sandstone, 36x8x6 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.
44.50	Top of ridge bears NW. and SE.
	Descend over broken rocky land.
80.06	The cor. of secs. 22-23-26 and 27.
	Land, rolling and mountainous.
	Soil; sandy and rocky.
	No timber.
	Mountainous land or dense undergrowth on 80.06 chs.
	May 29: At this cor., I set off 21°39'N. on the decl. arc; and at 11 h 57m a.m., l.m.t., observe the sun on the meridian; the resulting lat. is 40°01'N.

	N. 0°01'W., bet. secs. 22 and 23.
	Descend over rocky and broken land.
40.00	Set a sandstone, 24x12x4 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.
80.00	In bottom of hollow, 50 ft. deep, course NW.,
	Set a sandstone, 28x6x5 ins., 21 ins. in the ground, for cor. of secs. 14-15-22 and 23, marked with 3 notches on the S. and 2 notches on the E. edge; 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. 21 E.

CHAINS	
	Soil;rocky,third rate.
	No timber.
	Mountainous land on 80.00 chs.

	N.89°59'E.on a random line bet.secs.14 and 23,
40.00	Set temp.$\frac{1}{4}$ sec.cor.
80.08	Intersect N.and S.line,12 lks.N.of the cor.of secs. 13-14-23 and 24.
	Thence I run
	N.89°56'W.on a true line
	Bet.secs.14 and 23.
	Over sandy land ascend through dense artemisia.
40.04	On top of ridge,bearing N.and S.
	Set a sandstone,28x14x8 ins.,21 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.
	Descend.
80.08	The cor.of secs.14-15-22 and 23.
	Land rolling and mountainous.
	Soil;sandy and rocky,third rate.
	No timber.
	Mountainous land or dense undergrowth on 80.08 chs.
	May 29,1904.

	May 30:At 7ha.m.,l.m.t., I set off 40°02'N.on the lat. arc;21°47'N.on the decl.arc;and determine a meridian with the solar at the cor.of secs.14-15-22 and 23.
	Thence I run
	N.0°01'W.,bet.secs.14 and 15.
	Ascend over rocky land.
5.00	Top of spur projects W.
	Descend.

SUBDIVISIONS OF T.9 S., R. 21 E.

CHAINS	
16.00	Bottom of hollow, 100 ft. deep, course NW.
	Ascend.
22.00	Top of rocky spur projects W.
	Descend.
32.00	Bottom of hollow, 100 ft. deep, course E.
	Ascend.
34.00	Top of spur projects E.
	Descend.
40.00	Set a sandstone, 24x8x3 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.
78.00	Bottom of hollow, 100 ft. deep, course E.
	Ascend.
80.00	Set a sandstone, 24x8x8 ins., 18 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, $1\frac{1}{2}$ ft. high, W. of cor.
	Pits impracticable.
	Land mountainous.
	Soil, rocky third rate.
	No timber.
	Mountainous land on 80.00 chs.

	S. 89°56'E. on a random line bet. secs. 11 and 14.
79.90	Intersect N. and S. line, 14 lks. N. of the cor. of secs. 11-12-13 and 14.
	Thence I run
	N. 89°50'W. on a true line
	Bet, secs. 11 and 14.
	Over sandy land, ascend through dense artemisia.
9.00	Top of spur projects S.
	Descend.
36.00	Bottom of hollow, 100 ft. deep, course S.

SUBDIVISIONS OF T. 9 S., R. 21 E.

CHAINS	
	Ascend.
39.95	Set a sandstone, 20x10x4 ins., 15 ins. in the ground, for ¼ sec. cor., marked ¼ on N. face; and raise a mound of stone 2 ft. base, 1½ ft. high, N. of cor.
	Pits impracticable.
42.50	Top of spur projects S.
	Begin abrupt descent.
67.50	Bottom of hollow, 200 ft. deep, course N.
	Begin abrupt ascent.
74.00	Top of spur projects S.
	Begin abrupt descent over rocky land.
79.90	The cor. of secs. 10-11-14 and 15.
	Land mountainous.
	Soil; rocky and sandy, third rate.
	No timber.
	Mountainous land and dense undergrowth on 79.90 chs.

	N. 0°01' W., bet. secs. 10 and 11.
	Ascend abruptly over rocky land.
10.00	Top of spur projects E.
	Descend.
28.00	Enter bottom of broad hollow, course NW.; over level land.
40.00	Set a sandstone, 18x10x6 ins., 12 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.
41.00	Leave bottom of hollow, bearing NW. and SE.
	Ascend over broken land.
59.00	Top of spur projects SW.
	Descend.
66.00	Bottom of hollow, 100 ft. deep, course SW.
	Ascend.
69.50	Top of spur projects SW.
73.75	Bottom of hollow, 150 ft. deep, course SW.

SUBDIVISIONS OF T. 9 S., R. 21 E.

CHAINS	
	Ascend.
78.50	Top of spur projects SW.
	Descend.
80.00	Set a sandstone, 18x6x5 ins., 12 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; 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.
	Soil; sandy and rocky, third rate.
	No timber.
	Mountainous land on 80.00 chs.
	May 30: At this cor., I set off 21°48'N. on the decl. arc; and at 11h 57m a.m., l.m.t., observe the sun on the meridian; the resulting lat. is 40°03'N.

	S. 89°50'E. on a random line bet. secs. 2 and 11.
40.00	Set temp. ¼ sec. cor.
79.96	Intersect N. and S. line, 5 lks. S. of the cor. of secs. 1-2-11 and 12.
	Thence I run
	N. 89°52'W. on a true line
	Bet. secs. 2 and 11.
	Ascend over broken land.
16.00	Top of ridge bears NW. and SE.
	Descend.
	Enter dense artemisia.
39.98	Set a sandstone, 27x6x6 ins., 20 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	Bottom of hollow, 100 ft. deep, course SW.
	Ascend.
78.00	Top of spur projects SW.

SUBDIVISIONS OF T. 9 S., R. 21 E.

CHAINS	
	Descend.
79.96	The cor. of secs. 2-3-10 and 11.
	Land mountainous.
	Soil, sandy third rate.
	No timber.
	Mountainous land or dense undergrowth on 79.96 chs.

	Knowing the line bet. secs. 2 and 3 will not close within limits on the N. bdy. of the Tp., I run N. 0°01' W., on a true line Bet. secs. 2 and 3.
	Descend through dense artemisia.
2.50	Bottom of hollow, 75 ft. deep, course SW.
	Ascend.
19.00	Top of ridge bears NW. and SE.
	Descend, abruptly over broken land.
36.00	Enter bottom land along White River, bearing E. and W.
40.00	Set a sandstone, 18x10x8 ins., 12 ins. in the ground, for ¼ sec. cor., marked ¼ on W. face; from which
	A cottonwood, 24 ins. diam., bears S. 62° E., 1.56 chs. dist marked ¼ S 2 B T.
	Cottonwood, 18 ins. diam., bears W., 1.54 chs. dist., marked ¼ S 3 B T.
46.00	Enter scattering cottonwood timber.
59.00	S. Bank of White River, 1.60 chs. wide, course W.
60.60	N. bank of White River.
79.00	Leave timber.
80.41	Intersect N. bdy. of the Tp., 7.68 chs. N. 89°47' E. of the cor. of secs. 2-3-34 and 35, heretofore described.
	Set a sandstone, 24x8x4 ins., 18 ins. in the ground, for closing cor. of secs. 2 and 3, marked CC on S.; with 4 grooves on W.; and 2 grooves on E. face; from which
	A cottonwood, 24 ins. diam., bears S. 76° E.; 1.75 chs. dist. marked T 9 S R 21 E S 2 B T.

SUBDIVISIONS OF T. 9 S., R. 21 E.

CHAINS

A cottonwood, 30 ins. diam., bears S.7°W., 1.92 chs. dist., marked T 9 S R 21 E S 3 B T.

Destroy all marks on old sec. cor., pertaining to T. 9 S., R. 21 E.

Land mountainous and level.

Soil; sandy, third rate.

Timber, cottonwood.

Mountainous land or dense undergrowth on 80.41 chs.

May 30, 1904.

May 31: At 7h a.m., l.m.t., I set off 40°00'N. on the lat. arc; 21°56'N. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 27-28-33 and 34, on the sectional correction line,

Thence I run

S.0°02'E. on a random line bet. secs. 33 and 34.

40.00 Set temp. ¼ sec. cor.

81.94 Intersect S. bdy. of the Tp., 9 lks. E. of the cor. of secs. 33 and 34 heretofore described.

Thence I run

N.0°02'E. on a true line

Bet. secs. 33 and 34.

Ascend over sandy land through dense artemisia.

15.50 Top of ridge bears E. and W. Descend.

41.94 Set a sandstone, 26x10x6 ins., 20 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.

81.94 The cor. of secs. 27-28-33 and 34, on the sectional correction line.

Land mountainous and rolling.

Soil; sandy, third rate.

No timber.

Mountainous land or dense undergrowth on 81.94 chs.

SUBDIVISIONS OF T. 9 S., R. 21 E.

CHAINS	
	N.0°02'W., bet.secs.27 and 28.
	Descend over sandy land through dense artemisia.
4.25	Bottom of hollow, 100 ft.deep, course SW.
	Begin abrupt ascent.
11.50	Top of ridge bears NE.and SW.
	Descend.
40.00	Set a sandstone, 24x8x5 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.
80.00	Set a sandstone, 20x12x6 ins, 15 ins.in the ground, 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 and rolling.
	Soil; sandy, third rate.
	No timber.
	Mountainous land or dense undergrowth on 80.00 chs.

	E.on a random line bet.secs.22 and 27.
40.00	Set temp.¼ sec.cor.
80.06	Intersect N.and S.line, 3 lks.N.of the cor.of secs. 22-23-27 and 26.
	Thence I run
	N.89°59'W.on a true line
	Bet.secs.22 and 27.
	Over rolling sandy land descend through dense artemisia.
40.03	Set a sandstone, 24x10x3 ins., 18 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.
80.06	The cor.of secs.21-22-27 and 28.
	Land rolling.

SUBDIVISIONS OF T. 9 S., R. 21 E.

CHAINS	
	Soil;sandy,third rate.
	No timber.
	Dense undergrowth on 80.06 chs.
	May 31:At this cor., I set off 21°57'N.on the decl. arc;and,at 11h 57m a.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.
	Over rolling land descend through dense artemisia.
30.00	Bottom of hollow,100 ft.deep,course E.
	Ascend.
40.00	On top of ridge,bearing E.and W.,
	Set a sandstone,24x12x6 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.
80.00	Set a sandstone,18x12x4 ins.,12 ins.in the ground,for cor.of secs.15-16-21 and 22,marked
	9 S on NE., and
	21 E on SE.face;with 3 notches on the E.and S.edges; dig pits,18x18x12 ins.in each sec.,5½ ft.dist.;and raise a mound of earth,4 ft.base,2 ft.high,W.of cor.
	Land mountainous and rolling.
	Soil;sandy and rocky.
	No timber.
	Mountainous land or dense undergrowth on 80.00 chs.

	S.89°59'E.on a random line bet.secs.15 and 22.
40.00	Set temp.¼ sec.cor.
79.96	Intersect N.and S.line,5 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.
	Over rolling land ascend through dense artemisia.

SUBDIVISIONS OF T. 9 S., R. 21 E.

CHAINS	
39.98	Set a sandstone, 30x12x10 ins., 22 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; dig pits 18x18x12 ins. E. and W. of stone, 3 ft. dist.; and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
69.00	Top of ridge bears N. and S.
	Descend.
79.96	The cor. of secs. 15-16-21 and 22.
	Land rolling.
	Soil; sandy, third rate.
	No timber.
	Dense undergrowth on 79.96 chs.
	May 31, 1904.

	June 1: At 7h a.m., l.m.t., I set off 40°02'N. on the lat. arc; 22°04'N. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 15-16-21 and 22.
	Thence I run
	N. 0°02'W., bet. secs. 15 and 16.
	Over rolling land descend through dense artemisia.
37.00	Bottom of hollow, 100 ft. deep, course E.
	Ascend.
40.00	Point for $\frac{1}{4}$ sec. cor., falls on a sandstone boulder, 6x5x3 ft. above ground; cut a cross(x)at exact cor. point on the stone, marked $\frac{1}{4}$ W. of cross; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
	Pits impracticable.
41.00	Top of rocky spur projects E.
	Descend.
57.00	Bottom of hollow, 100 ft. deep, course NE.
	Ascend.
65.00	Top of ridge bears NE. and SW.
	Descend.
80.00	Set a sandstone, 27x8x5 ins., 20 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

SUBDIVISIONS OF T. 9 S., R. 21 E.

CHAINS	
	of stone 2 ft. base, 1½ ft. high, W. of cor.
	Land mountainous and rolling.
	Soil; rocky and sandy, third rate.
	No timber.
	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.
80.04	Intersect N. and S. line, 3 lks. N. of the cor. of secs. 10-11-14 and 15.
	Thence I run
	N. 89°56'W. on a true line
	Bet. secs. 10 and 15.
	Descend over broken rocky land.
8.00	Bottom of hollow, 50 ft. deep, course S.
	Ascend.
28.00	Top of ridge bears NE. and SW.
	Descend.
40.02	Set a sandstone, 24x6x6 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.
65.00	Bottom of hollow, 100 ft. deep, course N.
	Ascend.
76.00	Top of spur projects N.
	Descend.
79.00	Bottom of hollow, 50 ft. deep, course N.
	Ascend.
80.04	The cor. of secs. 9-10-15 and 16.
	Land mountainous.
	Soil; rocky, third rate.
	No timber.
	Mountainous land on 80.04 chs.

SUBDIVISIONS OF T. 9 S., R. 21 E.

CHAINS	
	N.0°02'W., bet.secs.9 and 10.
	Descend over broken land.
32.50	Bottom of hollow, 150 ft.deep, course NE.
40.00	Set a sandstone, 30x12x3 ins., 22 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.
55.00	Top of spur projects E.
	Begin abrupt descent.
66.50	Bottom of hollow, 150 ft.deep, course E.
	Begin abrupt ascent.
70.00	Top of spur projects E.
	Begin abrupt descent.
77.00	Wash, 1.00 ch.wide, 10 ft.deep, course NW.
	Enter bottom along White River over level land through dense artemisia; bearing NW.and SE..
80.00	Set a sandstone, 18x10x4 ins., 12 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; 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 level.
	Soil; sandy and rocky, third rate.
	No timber.
	Mountainous land or dense undergrowth on 80.00 chs.
	June 1: At this cor., I set off 22°05'N.on the decl. arc; and, at 11h 58m a.m., l.m.t., observe the sun on the meridian; the resulting lat.is 40°03'N.

	S.89°56'E.on a random line bet.secs.3 and 10.
40.00	Set temp.¼ sec.cor.
80.06	Intersect N.and S.line, 7 lks.N.of the cor.of secs. 2-3-10 and 11.
	Thence I run

SUBDIVISIONS OF T 9 S R 21 E

Chains	
	N.89°53'W.on a true line bet.secs.3 and 10 .
	Descend over rocky broken land;through dense artemisia.
6.00	Bottom of hollow,100 ft.deep,course SW. Ascend.
15.00	Top of spur projects SW. Descend.
40.03	Set a sandstone 18x8x8 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.
40.50	Bottom of hollow,150 ft.deep,course SW.
	Begin abrupt ascent.
49.90	Top of rocky spur projects SW.
	Begin abrupt descent.
62.00	Enter level bottom land along White River;through dense greasewood brush.
80.06	The cor.of secs.3,4,9,and 10.
	Land mountainous and level.
	Soil sandy and rocky;3d rate.
	No timber.
	Mountainous land or dense undergrowth on 80.06 chs.

Knowing that the line bet.secs.3 and 4 will not close within limits on the N.bdy.of the Tp.I run

N.0°02'W.on a true line bet.secs.3 and 4

Over level bottom land;through dense greasewood brush.

40.00 Set a cottonwood post,3 ft.long 3 ins.sq.,with marked stone,24 ins.in the ground for ¼ sec.cor.,marked ¼ S 4 on W.,and 3 on E.face;from which

A cottonwood 15 ins.diam. bears S.72°E.1.36 chs.dist. marked ¼ S 3 B T

No other bearing trees within limits;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.

54.00 To S.bank of White River 1.60 chs.wide,course W.

55.60 To N.bank of White River.

Enter heavy cottonwood timber bearing E.and W.

SUBDIVISIONS OF T.9 S.,R. 21 E.

Chains.	
71.00	Leave timber.
80.44	Intersect N.bdy.of the Tp.,8.60 chs.N.89°47'E.of the cor.of secs.3,4,33,and 34,heretofore described.
	Set a sandstone 18x6x5 ins.12 ins.in the ground,for closing cor.of secs.3 and 4,marked CC on S.;with 3 grooves on E.and W.faces;dig pits 24x18x12 ins.,crosswise on each line,E.and W.3 ft.and S.of stone 7 ft.dist.; and raise a mound of earth 4 ft.base 2 ft.high S.of cor. I destroy all marks on old sec.cor.pertaining to T.9 S. R.21 E.
	Land level river bottom.
	Soil sandy third rate.
	Timber cottonwood.
	Land covered with dense undergrowth or heavy timber on 71.00 chs. June 1,1904.
	June 2: At 7 h.a.m.l.m.t. I set off 40°00'N.on the lat. arc;22°12'N.on the decl.arc;and determine a meridian with the solar at the cor.of secs.28,29,32,and 33,on the sectional correction line. Thence I run
	S.0°03'E.on a random line bet.secs.32 and 33
40.00	Set temp.¼ sec.cor.
82.75	Intersect S.bdy.of the Tp.5 lks.W.of the cor.of secs.32 and 33,heretofore described.
	Thence I run
	N.0°05'W.on a true line
	Bet.secs.32 and 33
	Ascend abruptly over rocky land.
8.50	Top of spur projects W .
	Begin abrupt descent.
42.00	Bottom of hollow 100 ft.deep,course NW.
	Ascend.

SUBDIVISIONS OF T. 9 S., R. 21 E.

CHAINS	
42.75	Set a sandstone, 36x10x8 ins., 27 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.
54.00	Top of rocky spur projects NW.
	Begin abrupt descent.
69.00	Bottom of hollow, 150 ft. deep, course NE.
	Ascend.
82.75	The cor. of secs. 28-29-32 and 33, on the sectional correction line.
	Land, mountainous.
	Soil; rocky, third rate.
	No timber.
	Mountainous land or dense undergrowth on 82.75 chs.

	N. 0°03' W., bet. secs. 28 and 29.
	Ascend over rocky land.
21.00	Top of spur projects E.
	descend.
25.50	Bottom of hollow, 150 ft. deep, course NW.
	Ascend.
40.00	Set a sandstone, 24x6x6 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.
46.00	Top of spur projects W.
	Descend.
73.00	Bottom of hollow, 50 ft. deep, course W.
	Ascend.
80.00	Set a sandstone, 28x10x5 ins., 21 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, $1\frac{1}{2}$ ft. high, W. of cor.
	Pits impracticable.

SUBDIVISIONS OF T. 9 S., R. 21 E.

CHAINS	
	Land, mountainous.
	Soil; rocky, third rate.
	No timber.
	Mountainous land on 80.00 chs.

	E. on a random line bet. secs. 21 and 28.
40.00	Set temp. ¼ sec. cor.
80.04	Intersect N. and S. line, 5 lks. N. of the cor. of secs. 21-22-27 and 28.
	Thence I run
	N. 89°58' W. on a true line,
	Bet. secs. 21 and 28.
	Over rolling sandy land descend through dense artemisia.
23.00	Begin ascent.
40.02	On top of ridge bearing N. and S.,
	Set a sandstone, 24x12x3 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.
80.04	The cor. of secs. 20-21-28 and 29.
	Land mountainous and rolling.
	Soil, sandy and rocky.
	No timber.
	Mountainous land or dense undergrowth on 80.04 chs.
	June 2-At this cor., I set off 22°13' N. on the decl. arc; and, at 11h 58m a.m., l.m.t., observe the sun on the meridian; the resulting lat. is 40°01' N.

	N. 0°03' W., bet. secs. 20 and 21.
	Ascend over rocky land through dense artemisia.
10.00	Top of spur projects W.
	Descend.
29.00	Bottom of hollow, 100 ft. deep, course W.
	Ascend.

SUBDIVISIONS OF T. 9 S., R. 21 E.

CHAINS	
40.00	Set a sandstone, 24x8x5 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.
66.00	Top of ridge bears NW. and SE.
	Descend.
80.00	Set a sandstone, 28x12x6 ins., 21 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; dig pits 18x18x12 ins., in each sec., $5\frac{1}{2}$ ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, W. of cor.
	Land, mountainous.
	Soil; sandy and rocky, third rate.
	No timber.
	Mountainous land and dense undergrowth on 80.00 chs.

	S. 89°58'E. on a random line bet. secs. 16 and 21.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
79.90	Intersect N. and S. line, 12 lks. S. of the cor. of secs. 15-16-21 and 22.
	Thence I run
	S. 89°57'W. on a true line
	Bet. secs. 16 and 21.
	Over rolling land descend through dense artemisia.
39.95	Set a sandstone, 28x8x8 ins., 21 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
	Pits impracticable.
57.00	Bottom of hollow, 100 ft. deep, course NE. Ascend.
70.00	Top of ridge bears NE. and SW.
	Descend.
79.90	The cor. of secs. 16-17-20 and 21
	Land, mountainous and rolling.
	Soil; sandy and rocky, third rate.

SUBDIVISIONS OF T. 9 S., R. 21 E.

CHAINS	
	No timber.
	Mountainous land or dense undergrowth on 79.90 chs.
	June 2,1904.

	June 3:At 7 h a.m.,l.m.t., I set off 40°02'N.on the lat.arc;22°20'N.on the decl.arc;and determine a meridian with the solar at the cor.of secs. 16-17-20 and 21.
	Thence I run
	N.0°03'W.,bet.secs.16 and 17.
	Over rolling land descend through dense artemisia.
35.00	Bottom of hollow,100 ft.deep,course W.
	Ascend.
40.00	Set a sandstone,24x10x6 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.
66.00	Top of ridge bears E.and W.
	Descend.
78.00	Bottom of hollow,100 ft.deep,course NE.
	Ascend.
80.00	Set a sandstone,18x15x3 ins.,12 ins.in the ground,for cor.of secs.8-9-16 and 17,marked with 4 notches on the S.and E.edges;and raise a mound of stone,2 ft.base,1½ ft.high,W.of cor.
	Pits impracticable.
	Land,mountainous.
	Soil;rocky,third rate.
	No timber.
	Mountainous land or dense undergrowth on 80.00 chs.

	N.89°57'E.on a random line bet.secs.9 and 16.
40.00	Set temp.¼ sec.cor.
79.96	Intersect N.and S.line,9 lks.N.of the cor.of secs.

SUBDIVISIONS OF T. 9 S., R. 21 E.

CHAINS	
	3-4-9 and 10.
	Thence I run
	N.89°59'W. on a true line
	Bet. secs. 9 and 16.
	Ascend over rocky land through dense artemisia.
28.00	Top of ridge bears NW. and SE.
	Descend.
39.98	In bottom of hollow, 100 ft. deep, course SE.,
	Set a sandstone, 18x10x8 ins., 12 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
	Pits impracticable. Ascend.
60.00	Top of spur projects N. Descend
75.00	Bottom of hollow, 100 ft. deep, course NE.
	Ascend.
79.96	The cor. of secs. 8-9-16 and 17.
	Land mountainous.
	Soil; rocky, third rate.
	No timber.
	Mountainous land and dense undergrowth on 79.96 chs.

	N.0°03'W., bet. secs. 8 and 9.
	Ascend abruptly over rocky land.
8.00	Top of ridge bears E. and W.
	Descend, over broken land.
40.00	Set a sandstone, 20x12x6 ins., 15 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face; dig pits, 18x18x12 ins., N. and S. of stone, 3 ft. dist.; and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
80.00	Set a sandstone, 18x6x6 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; dig pits 18x18x12 ins., in each sec., $5\frac{1}{2}$ ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, W. of cor.

SUBDIVISIONS OF T. 9 S., R. 21 E.

CHAINS	
	Land mountainous.
	Soil;sandy and rocky,third rate.
	No timber.
	Mountainous land on 80.00 chs.

	S.89°59'E.on a random line bet.secs.4 and 9.
40.00	Set temp.¼ sec.cor.
79.94	Intersect N.and S.line,7 lks.S.of the cor.of secs. 3-4-9 and 10.
	Thence I run
	S.89°58'W.on a true line
	Bet.secs.4 and 9.
	Over level bottom land through dense greasewood brush.
1.00	Wash,1.00 ch.wide,10 ft.deep,course NW.
3.00	Leave bottom land and greasewood brush.
	Begin abrupt ascent over broken land.
14.35	Top of spur projects N.
	Begin abrupt descent.
18.00	Bottom of hollow,150 ft.deep.course N.
	Begin abrupt ascent.
24.25	Top of spur projects N.
	Begin abrupt descent.
29.25	Bottom of hollow,100 ft.deep,course N. Ascend.
39.00	Top of spur projects N.
	Descend.
39.97	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.
48.00	Bottom of hollow,100 ft.deep,course NW.
	Ascend.
57.00	Top of ridge bears NW.and SE.
	Descend.
71.00	Bottom of hollow,150 ft.deep,course NW.

SUBDIVISIONS OF T. 9 S., R. 21 E.

CHAINS	
	Ascend.
79.94	The cor. of secs. 4-5-8 and 9.
	Land, mountainous,
	Soil; rocky, third rate.
	No timber.
	Mountainous land or dense undergrowth on 79.94 chs.
	June 3: At this cor., set off 22°21'N. on the decl. arc; and at 11 h 58m a.m., l.m.t., observe the sun on the meridian; the resulting lat. is 40°03'N.

	Knowing the line bet. secs. 4 and 5 will not close within limits on the N. bdy. of the Tp.; I run N. 0°03'W. on a true line Bet. secs. 4 and 5.
	Descend over sandy land through dense artemisia.
6.00	Bottom of hollow, 75 ft. deep, course NW.
	Ascend.
12.00	Top of spur projects NW.
	Begin abrupt descent.
15.50	To S. bank of Whits River, 1.50 chs. wide, course W.
17.00	To N. bank of White River.
	Enter level bottom land through dense greasewood brush.
40.00	Set a sandstone, 18x8x4 ins., 12 ins. in the ground, for ¼ sec. cor., marked ¼ on W. face; from which
	A cottonwood, 10 ins. diam., bears N. 84°W., 91 lks. dist., marked ¼ S 5 B T.
	No other trees within limits; 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.
63.00	Leave bottom land.
	Ascend over rocky land, bearing E. and SW.
79.70	Intersect N. bdy. of the Tp., 9.51 chs. N. 89°30'E. of the cor. of secs. 4-5-32 and 33, heretofore described.

SUBDIVISIONS OF T. 9 S., R. 21 E.

CHAINS.	
	Set a sandstone, 24x10x6 ins., 18 ins. in the ground, for closing cor. of secs. 4 and 5, marked C C on S., with 4 grooves on the E. and 2 grooves on the W. face; and raise a mound of stone, 2 ft. base, 1½ ft. high, S. of cor.
	Pits impracticable.
	Land, mountainous and level.
	Soil; sandy and rocky, third rate.
	No timber.
	Mountainous land or dense undergrowth on 79.70 chs.
	June 3, 1904.

	June 4, 1904: At 7 a.m., l.m.t., I set off 40°00'N. on the lat. arc; 22°27'N. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 29-30-31 and 32, on the sectional correction line.
	Thence I run
	S. 0°03'E. on a random line bet. secs. 31 & 32.
40.00	Set temp. ¼ sec. cor.
84.45	Intersect S. bdy. of the Tp., 16 lks. W. of the cor. of secs. 31 and 32, heretofore described.
	Thence I run
	N. 0°10'W. on a true line
	Bet. secs. 31 and 32.
	Over rolling land, descend through dense artemisia.
44.45	Set a sandstone, 18x6x5 ins., 12 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.
84.45	The cor. of secs. 29-30-31 and 32, on the sectional correction line.
	Land rolling.
	Soil; sandy, third rate.
	No timber.
	Dense undergrowth on 84.45 chs.

SUBDIVISIONS OF T. 9 S., R. 21 E.

CHAINS	
	N.0°03'W., bet.secs.29 and 30.
	Over rolling sandy land ascend through dense artemisia.
40.00	Set a sandstone, 18x6x5 ins., 12 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.
64.00	Top of ridge bears E. and W.
	Descend.
80.00	Set a sandstone, 18x6x5 ins., 12 ins. in the ground, for cor. of secs. 19-20-29 and 30, marked with 2 notches on the S. and 5 notches on the E. edge; dig 8its 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 rolling.
	Soil; sandy.
	No timber.
	Mountainous land or dense undergrowth on 80.00 chs.

	E. on a random line bet. secs. 20 and 29.
40.00	Set temp. ¼ sec. cor.
80.04	Intersect N. and S. line, 5 lks. N. of the cor. of secs. 20-21-28 and 29.
	Thence I run
	N.89°58'W. on a true line
	Bet. secs. 20 and 29.
	Descend over rocky land.
14.00	Bottom of hollow, 150 ft. deep, course N.
	Begin abrupt ascent.
40.02	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.
51.00	Top of spur projects NE.
	Descend over broken and rocky land.

SUBDIVISIONS OF T. 9 S., R. 21 E.

CHAINS	
80.04	The cor. of secs. 19-20-29 and 30.
	Land, mountainous.
	Soil; rocky, third rate.
	No timber.
	Mountainous land on 80.04 chs.
	June 4: At this cor., I set off 22°27'N. on the decl. arc; and, at 11h 58m a.m., l.m.t., observe the sun on the meridian; the resulting lat. is 40°01'N.

	Knowing the line bet. secs. 19 and 30 will not close within limits on the W. bdy. of the Tp., I run
	West on a true line
	Bet. secs. 19 and 30.
	Over rolling land descend through dense artemisia.
15.00	Head of hollow, course N.
	Ascend.
20.50	Top of ridge bears NW. and SE.
	Descend.
40.00	Set a sandstone, 28x10x4 ins., 21 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.
86.08	Intersect Green River Guide Meridian, 2.12 chs., N. 0°45' W. of the cor. of secs. 19-24-25 and 30, heretofore described.
	Set a sandstone, 28x10x8 ins., 21 ins. in the ground, for closing cor. of secs. 19 and 30, marked C C on E., with 2 grooves on the S. and 4 grooves on the N. face; and raise a mound of stone, 2 ft. base, 1½ ft. E. of cor.
	Pits impracticable.
	I destroy all marks on the old sec. cor., pertaining to T. 9 S., R. 21 E.
	Land, mountainous, and rolling.

SUBDIVISIONS OF T. 9 S., R. 21 E.

CHAINS	
	Soil; rocky and sandy, third rate.
	No timber.
	Mountainous land and dense undergrowth on 86.08 chs.

	N.0°03'W., bet. secs. 19 and 20.
	Descend over rocky broken land.
40.00	Set a sandstone, 28x8x6 ins., 21 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.
69.00	Bottom of hollow, 150 ft. deep, course NW.
	Ascend.
80.00	On top of spur, projecting NW.,
	Set a sandstone, 24x8x8 ins., 18 ins. in the ground, for cor. of secs. 17-18-19 and 20, marked with 5 notches on the E. and 3 notches on the S. 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, third rate.
	No timber.
	Mountainous land on 80.00 chs.

	S.89°58'E. on a random line bet. secs. 17 and 20.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.04	Intersect N. and S. line, 3 lks. S. of the cor. of secs. 16-17-20 and 21.
	Thence I run
	N.89°59'W. on a true line
	Bet. secs. 17 and 20.
	Descend over rolling land through dense artemisia.
2.00	Bottom of hollow, 50 ft. deep, course NW.
	Ascend.
24.00	Top of ridge bears NW. and SE.
	Descend.

SUBDIVISIONS OF T. 9 S., R. 21 E.

CHAINS	
40.02	Set a sandstone, 24x12x4 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.
76.00	Bottom of hollow, 100 ft. deep, course from NE. to NW. Ascend.
80.04	The cor. of secs. 17-18-19 and 20. Land, mountainous and rolling. Soil; rocky, third rate. No timber. Mountainous land or dense undergrowth on 80.04 chs. June 4, 1904.

	June 5: At 7h a.m., l.m.t., I set off 40°02'N. on the lat. arc; 22°34'N. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 17-18-19 and 20. Knowing the line bet. secs. 18 and 19, will not close within limits on the W. bdy. of the Tp., I run West on a true line bet. secs. 18 and 19. Descend over rocky land.
6.00	Bottom of hollow, 150 ft. deep, course NW. Ascend.
35.00	Top of spur projects NW. Descend.
40.00	Set a sandstone, 20x10x4 ins., 15 ins. in the ground, for ¼ sec. cor., marked ¼ on N. face; and raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor. Pits impracticable.
87.04	Intersect Green River Guide Meridian, 1.48 chs. N. 1°0'W. of the cor. of secs. 13-18-19 and 24, heretofore described. Set a sandstone, 26x14x5 ins., 20 ins. in the ground, for closing cor. of secs. 18 and 19, marked C C on E., with 3 grooves on the N. and S. faces; and raise a mound of stone, 2 ft. base, 1½ ft. high, E. of cor. Pits impracticable. I destroy all marks on old sec. cor., pertaining to T. 9

SUBDIVISIONS OF T. 9 S., R. 21 E.

CHAINS	
	S.,R. 21 E.
	Land, mountainous.
	Soil; rocky, third rate.
	No timber.
	Mountainous land on 87.04 chs.

	N.0°03'W., bet. secs. 17 and 18.
	Descend over rocky land.
3.50	Bottom of hollow, course from N. to W., 150 ft. deep.
	Begin abrupt ascent.
14.00	Top of ridge bears NW. and SE.
	Descend over broken land.
40.00	Set a sandstone, 24x10x5 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.
52.50	Bottom of hollow, 100 ft. deep, course W.
	Ascend.
62.00	Top of ridge bears NW. and SE.
	Descend.
80.00	Head of hollow, course NW.
	Set a sandstone, 24x10x5 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 the E. edge; and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
	Pits impracticable.
	Land, mountainous.
	Soil; rocky, third rate.
	No timber.
	Mountainous land on 80.00 chs.

	S.89°59'E. on a random line bet. secs. 8 and 17.
40.00	Set temp. ¼ sec. cor.
79.98	Intersect N. and S. line, 9 lks. S. of the cor. of secs.

SUBDIVISIONS OF T. 9 S., R. 21 E.

CHAINS	
	8-9-16 and 17.
	Thence I run
	S.89°57'W.on a true line
	Bet.secs.8 and 17.
	Ascend over rocky land.
36.00	Top of ridge bears NW.and SE.
	Descend,through dense artemisia.
39.99	Set a sandstone,15x8x5 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.
66.50	Bottom of hollow,100 ft.deep,course NW.
	Ascend.
76.50	Top of ridge bears NW.and SE.
	Descend.
79.98	The cor.of secs.7-8-17 and 18.
	Land mountainous.
	Soil;rocky,third rate.
	No timber.
	Mountainous land or dense undergrowth on 79.98 chs.
	June 5:At this cor.,I set off 22°34'N.on the decl.arc: and,at 11h 58m a.m.,l.m.t.,observe the sun on the meridian;the resulting lat.is 40°03'N.

	Knowing the line bet.secs.7 and 18 will not close within limits on the W.bdy.of the Tp.,I run
	West on a true line
	Bet.secs.7 and 18.
	Ascend over rocky land.
40.00	On top of ridge,bearing NW.and SE.,
	Set a sandstone,18x6x6 ins.,12 ins.in the ground,for ¼ sec.cor.,marked ¼ on N.face;and raise a mound of stone,2 ft.base,1½ ft.high,N.of cor.
	Pits impracticable.
	Descend.
71.00	Bottom of hollow,100 ft.deep,course NW.

SUBDIVISIONS OF T.9 S., R.21 E.

CHAINS	
	Ascend.
88.39	Intersect Green River Guide Meridian, 1.98 chs. N. 0°21' W. of the cor. of secs. 7-12-13 and 18, heretofore described. Set a sandstone 20x12x4 ins., 15 ins. in the ground, for closing cor. of secs. 7 and 18, marked CC on E., with 4 grooves on the S. and 2 grooves on the N. face; and raise a mound of stone 2 ft. base, 1½ ft. high, E. of cor.
	Pits impracticable.
	I destroy all marks on old cor., pertaining to T.9 S., R. 21 E.
	Land mountainous.
	Soil; rocky, third rate.
	No timber.
	Mountainous land on 88.39 chs.

	N. 0°03' W., bet. secs. 7 and 8.
	Ascend over rocky land.
3.50	Top of spur projects NW. Descend.
36.00	Bottom of hollow, 100 ft. deep, course NW. Ascend.
40.00	Set a sandstone, 28x10x4 ins., 21 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.
43.00	Top of ridge bears E. and W. Descend.
69.00	Enter White River bottom, bearing E. and W.
	Over level land through dense artemisia.
77.55	To S. bank of White River, 1.75 chs. wide, course NW.
	Set a sandstone, 18x8x5 ins., 12 ins. in the ground, for witness cor. to cor. of secs. 5-6-7 and 8, marked WC on NE. face; with 5 notches on the S. and E. edges; dig pits 18x18x12 ins. in each sec., 5½ ft. dist.; and raise a mound of earth 4 ft. base, 2 ft. high, W. of cor.
80.00	The cor. of secs. 5-6-7 and 8 falls in river and cannot be set.
77.55 / 2.45	Land, mountainous and level.

SUBDIVISIONS OF T.9 S., R.21 E.

Chains	
	Soil; rocky and sandy, 3rd rate.
	No timber.
	Mountainous land or dense undergrowth on 77.55 chs.

	From witness cor., I run on random offset line
	N.89°57'E., 10.00 chs.,
	thence N.0°03'W., 2.45 chs.,
	Thence N.89°57'E. on random line bet. secs. 5 and 8.
40.00	Set temp. ¼ sec. cor.
80.02	Intersect N. and S. line 5 lks. N. of cor. of secs. 4-5-8 and 9 Thence S.89°59'W. on true line bet. secs. 5 and 8. Ascend over rolling land through dense artemisia.
	NOTE: From this cor., "Mollie's Nipple", which is a conical sandstone butte rising about 300 ft. above the surrounding country, bears S.71°45'W.
31.00	Top of spur projects NW.
	Descend.
39.00	Enter White River bottom over level land, bearing NE. and SW
40.01	Set a sandstone 18x10x5 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.
	NOTE: From this cor., "Mollie's Nipple" bears S.74°00'E.,
70.02	To S. bank of White River, 1.75 chs. wide, course SW.
	Set a sandstone, 18x12x4 ins., 12 ins. in the ground, for witness cor. to cor. of secs. 5-6-7 and 8, marked WC on NE. face, 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.
	From witness cor., I offset as follows:
	S.0°03'E., 2.45 chs.
	Thence S.89°59'W., 10.00 chs to
80.02	The witness cor. to cor. of secs. 5-6-7 and 8.
	Land, rolling, and level.
	Soil; sandy, 3rd rate.

SUBDIVISIONS OF T.9 S., R.21 E.

CHAINS	
	Timber, cottonwood.
	Dense undergrowth on 80.02 chs.
	June 5, 1904.

	June 6: At 7 a.m., l.m.t., I set off 40°03'N. on the lat. arc; 22°40'N. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 5-6-7-8.
	Knowing the line bet. secs. 6 and 7 will not close within limits on the W. bdy. of the Tp., I begin at the witness cor. to cor. of secs. 5-6-7-8, and run . . . .
	West, 2.70 chs.; thence N. 0°03'W., 2.45 chs., to
2.70	To S. bank of White River, course NW.
	Enter heavy cottonwood timber, bearing NW. and SE.
15.40	To S. bank of White River, 1.90 chs. wide, course SW.
	I offset S., 5 chs.; W., 13.60 chs.; N., 5.00 chs., to
29.00	To S. Bank of White River, course NW.
32.00	Leave river bottom and timber, bearing NW. and SE.
	Ascend.
40.00	Set a sandstone, 18x12x4 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.
46.00	Top of spur projects NW.
	Descend.
56.00	Enter bottom land along White River, bearing NE. and SW.
	Over level land.
88.67	Intersect GREEN RIVER GUIDE MERIDIAN, 2.44 chs., N. 0°10'E. of the cor. of secs. 1-6-7-12, heretofore described.
	Set a sandstone, 18x8x4 ins., 12 ins. in the ground, for closing cor. of secs. 6 and 7, marked C C on E., with 5 grooves on the S. and 1 groove on the N. face; dig pits, 24x18x12 ins., crosswise on each line, N. and S., 3 ft., and E. of stone, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, E. of cor.
	I destroy all marks on old cor., pertaining to T.9 S. R.21 E.

SUBDIVISIONS OF T. 9 S., R. 21 E.

CHAINS	
	Land, rolling and level.
	Soil; sandy third rate.
	Timber, cottonwood.
	Heavily timbered land or dense undergrowth on 88.67 chs.

	Knowing the line, bet. secs. 5 and 6 will not close within limits on the N. bdy. of the Tp., I begin at a point 1.05 chs. N. 0°03'W. of the true corner point for corner of secs. 5, 6, 7, and 8, which is on the North bank of White River, course NW., and run
[illegible]	[illegible] N. 0°03'W. on a true line bet. secs. 5 and 6
	Over level bottom land through dense young cottonwood timber, bearing E. and W.
5.00	Leave timber.
	Enter dense greasewood brush.
40.00	Set a sandstone, 15x12x4 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.
78.86	Intersect N. bdy. of the Tp., 9.85 chs., N. 89°33'E. of the cor of secs. 5-6-31 and 32, heretofore described.
	Set a sandstone, 20x8x4 ins., 15 ins. in the ground, for closing cor. of secs. 5 and 6, marked CC on S., with 5 grooves on the E. and 1 groove on the W. face; dig pits 24x18x12 ins., crosswise on each line, E. and W., 3 ft., and S. of stone, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, S. of cor.
	I destroy all marks on old cor., pertaining to T. 9 S., R. 21 E.
	Land, level.
	Soil; sandy, third rate.
	Timber, cottonwood.
	Heavily timbered land or dense undergowth on 78.86 chs.

SUBDIVISIONS OF T. 9 S., R.21 E.

CHAINS

June 6,1904.

General Description.

This township is mountainous throughout and badly broken by deep canons, ravines and hollows.
Soil of this township is rocky , and unfit for agricultural or grazing purposes, and there is very little vegetation to be found.
White River is the only water found in this township, about 1.50 chs. wide and about 3 ft. deep, flowing from east to west through the northern portion of the township. The river cuts the formation at an average depth of 800 ft. [illegible]; therefore its waters cannot be used for agricultural purposes.
There are no settlers in this township.
There is no mineral found in this township.

Harvey D. Hirst
U.S. Deputy Surveyor.

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BOOK A-324

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by ....., United States Deputy Surveyor, to assist in running, measuring, and ...king the lines and corners described in the foregoing field notes of the survey of .....

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

For final affidavits see book "Z12" 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 ...ose parts or portions of the ..... of the ..... meridian, ... of ....., which are represented ... the foregoing field notes as having been surveyed by him and under his direction; and that said survey ...as been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the ...orner monuments established, according to the instructions furnished by the United States Surveyor ...eneral for .....

For final affidavits see book "Z12" T.12 S.R.24 E....., *Chainman.*

....., *Chainman.*

....., *Moundman.*

....., *Moundman.*

....., *Axman.*

....., *Axman.*

....., *Flagman.*

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

SEAL

6—151

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

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

_____
United States Deputy Survey[illegible]

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.9 South, Range No.21 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 12, 1904, XXX, having bee[illegible] critically examined, and the necessary corrections and explanations made, the said field notes, and th[illegible] surveys they describe, are hereby approved.

Edward H. Anderson
United States Surveyor Gen[illegible]

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 Genera[illegible]

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4—679.

BOOK A-324

E.

FILED

JUL 30 1904

FIELD NOTES

OF THE re-SURVEY OF THE

North Boundary of

Township No. 9 South,

Range No. 22 East.

Of the Salt Lake Base & *Meridian,*

In the state of Utah.

AS SURVEYED BY

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

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

Survey commenced June 7, 1904., *189*

Survey completed June 8, 1904., *189*

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Length - 5-79-98

NAMES AND DUTIES OF ASSISTANTS.

Earl Woolley,	Chainmen.
Heber Christensen,	"
Andrew Stumpf,	Moundman.
Edward Beaird,	Axman.
John A. Neely,	Flagman.

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

BOOK A-324

INDEX DIAGRAM.

Township 9 S., *Range* 22 E.

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

Meanders Page

PRELIMINARY OATHS OF ASSISTANTS.

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

....., *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

.....

.....

6—151

RESURVEY OF N. BDY. T. 9 S., R. 22 E.

CHAINS

Survey commenced June 7th, 1904, and executed with a W. & L. E. Gurley light mountain transit, No. -, with solar attachment. The horizontal limb is provided with two double verniers placed opposite to eachother, reading to single minutes of arc, which is also the least count of the lat. and declination arcs.

The instrument was examined, tested on the true meridian at Salt Lake City, found correct, and was approved by the surveyor general for Utah, 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 previously established corner to Tps. 8 S., Rs. 21 and 22 E., in approximate latitude, 40°04'19"N., longitude 109°32'W., I set off 40°04'N. on the lat. arc; 22°48'N. on the decl. arc; and at 4h p.m., l.m.t., determine with the solar a meridian and mark a point thereof on a stone, firmly set in the ground, 5 chs. N. of the cor.

June 7, 1904.

June 8: At 2h 19m a.m., l.m.t., I observe Polaris at eastern elongation, in accordance with the Manual of Instructions; and mark a point in the line thus determined, on a peg driven in the ground, 5 chs. N. of my station.

At 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 7h a.m., l.m.t., I set off 40°04'N. on the lat. arc; 22°52'N. on the declarc; and mark a point in the meridian

RESURVEY of NBDY. OF T.9 S., R.22 E.

CHAINS

determined with the solar, by a cross on the stone, already set 5 chs. N. of my station; this mark falls 0.2 ins. east of the meridian determined by the Polaris observation.

The solar apparatus, by p, m, and a.m. observations, defines positions for meridians, respectively about 0'16" west and 0'11" east of the meridian established by the Polaris observations; therefore I conclude that the adjustments of the instrument are satisfactory.

The magnetic bearing of the true meridian is N.16°20'W.; the angle thus determined gives the mag. decl 16°20'E.

I commence at the cor. of Tps. 8 S., Rs. 21 and 22 E., heretofore described, and run

N.89°51'E., bet. secs. 6 and 31.

Over level bottom land along N. side of White River, through dense greasewood brush.

5.80 Intersect C.C. of Tps. 9 S., Rs. 21 & 22 E. heretofore described.

39.80 Fall 28 lks. N. of the old ¼ sec. cor., which is a sand stone, 12x4x4 ins. above ground, marked as described by the surveyor general; 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.

I continue the line with continuous measurement.

79.75 Fall 50 lks. N. of the old cor. of secs. 5-6-31 and 32, which is a sandstone, 12x4x4 ins. above ground, marked as described by the surveyor general; 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.

Course of this line is therefore S.89°45'E., and Dist., 79.75 chs.

Land level.

Soil; sandy, third rate.

No timber.

Dense undergrowth on 79.75 chs.

RESURVEY OF N.BDY.OF T.9 S.,R.22 E.

CHAINS	
	N.89°51'E.,bet.secs.5 and 32.
	Over level bottom land through dense greasewood brush.
40.28	Fall 43 lks.N.of the old ¼ sec.cor.,which is a cottonwood post,with marks nearly obliterated.
	I set a sandstone,24x12x6 ins.,18 ins.in the ground, for re-established 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.
	I continue the line with continuous measurement.
41.80	Wagon Road to Ouray Agency,bears N.and S.
	Leave river bottom,bearing NW.and SE.
	Ascend.
79.99	Fall 86 lks.N.of the old cor.of secs.4-5-32 and 33, which is a cottonwood post,with marks nearly obliterated.
	I set a sandstone,24x4x4 ins.,18 ins.in the ground, for re-established cor.of secs.4-5-32 and 33,marked with 2 notches on the W.and 4 notches on the E.edge; 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.
	Course of this line is therefore S.89°32'E.,and the Dist.,79.99 chs.
	Land level and rolling.
	Soil;sandy,third rate.
	No timber.
	Dense undergrowth on 79.99 chs.
	N.89°51'E.,bet.secs.4 and 33.
	Ascend over rolling land through dense artemisia.
39.95	Fall 46 lks.N.of old ¼ sec.cor.,which is a cottonwood post with marks nearly obliterated.
	I set a sandstone,18x12x4 ins.,12 ins.in the ground, for re-established 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.

RESURVEY OF N.BDY.OF T.9 S.,R.22 E.

CHAINS	
	Course of this line is therefore S.89°30'E.,and the Dist.,39.95chs.
	I offset over the ¼ sec.cor.,and run
	N.89°51'E.,bet.secs.4 and 33.
24.00	Top of ridge bears NW.and SE.
	Descend.
39.80	Fall 55 lks.N.of old cor.of secs.3-4-33 and 34,which is a cottonwood post,with marks nearly obliterated.
	I set a sandstone,18x12x4 ins.,12 ins.in the ground, for re-established cor.of secs.3-4-33 and 34,marked with 3 notches on the E.and W.edges;dig pits,18x18x12 ins.in each sec.,5½ ft.dist.;and raise a mound of earth 4 ft.base,2 ft.high,W.of cor.
	Course of this line is therefore S.89°22'E.,and the Dist.,39.80 chs.
	Land rolling.
	Soil;sandy,third rate.
	No timber.
	Dense undergrowth on 79.75 chs.

	June 8th:At the cor.of secs.3-4-33 and 34,I set off 22°52'N.on the decl.arc;and,at 11h 59m a.m.,l.m.t., observe the sun on the meridian;the resulting lat.is 40°04'N.
	Thence I run
	N.89°51'E.,bet.secs.3 and 34.
	Descend over rolling land through dense artemisia.
18.00	Bottom of hollow,100 ft.deep,course S.
	Ascend.
39.90	Fall 40 lks.N.of the old ¼ sec.cor.,which is a cottonwood post,with marks nearly obliterated.
	Set a sandstone,24x12x3 ins.,18 ins.in the ground, for re-established ¼ sec.cor.,marked ¼ on N.face,dig

RESURVEY OF N.BDY.OF T.9 S.,R.22 E.

CHAINS	
	pits 18x18x12 ins.,E.and W.of stone,3½ ft.dist.;and raise a mound of earth,3½ ft.base,1½ ft.high,N.of cor.
	I continue the line with continuous measurement.
80.02	Fall 79 lks.N.of the old.cor.of secs.2-3-34 and 35, which is a cottonwood post,with marks nearly obliterated.
	I set a sandstone,20x12x4 ins.,15 ins.in the ground, for re-established cor.of secs.2-3-34 and 35,marked with 2 notches on the E.and 4 notches on the W.edge; 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.
	Course of this line is therefore S.89°35'E.,and the Dist.,80.02 chs.
	Land,rolling.
	Soil;sandy,third rate.
	No timber.
	Dense undergrowth on 80.02 chs.

	N.89°51E.,bet.secs.2 and 35.
	Ascend over rolling sandy land through dense artemisia.
39.94	Fall 39 lks.N.of old ¼ sec.cor.,which is a cottonwood post,with marks nearly obliterated.
	Set a sandstone,15x10x4 ins.,10 ins.in the ground,for re-established 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.
	I continue the line with continuous measurement.
42.00	Top of clay ridge bears N.and S.
	Descend.
50.00	Begin ascent.
58.74	Top of clay knoll,100 ft.high,bears N.and S.
	Descend.
77.00	Bottom of hollow,100 ft.deep,course S.
	Ascend.
79.90	Fall 79 lks.N.of old sec.cor.,which is a sandstone

RESURVEY OF N.BDY.OF T.9 S., R.22 E.

CHAINS	
	12x6x6 ins.above ground,marked as described by the surveyor general;I raise a mound of stone,2 ft.base,1½ ft.high,W.of cor.
	Pits impracticable.
	Course of this line is therefore S.89°35'E.,and the Dist.,79.90 chs.
	Land rolling.
	Soil;clay and sandy and rocky,third rate.
	No timber.
	Dense undergrowth on 79.90 chs.

	N.89°51'E.,bet.secs.1 and 36.
	Ascend over sandy rolling land through dense artemisia.
4.00	Top of spur projects S.
	Descend.
26.00	Bottom of hollow,50 ft.deep.course S.
	Ascend.
40.03	Fall 44 lks.N.of the old ¼ sec.cor.,which is a sandstone, 8x8x8 ins.above ground,marked as described by the surveyor general;I 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.
	I continue the line with continuous measurement.
57.45	Top of spur projects S.
	Descend.
59.00	Foot of descent. Begin gradual ascent.
80.57	Fall 88 lks.N.of the cor.of Tps.8 and 9 S.,Rs.22 and 23 E.,which is a sandstone,12x12x5 ins.above ground,marked as described by the surveyor general; I raise a mound of stone,2 ft.base,1½ ft.high,S.of cor.
	Pits impracticable.
	Course of this line is therefore S.89°31'E.,and the Dist.80.57chs.
	Land rolling and mountainous.

Resurvey of N.BDY.of T.9 S.,R.22 E.

CHAINS

Soil;rocky and sandy,third rate.

No timber.

Mountainous land or dense undergrowth on 80.57 chs.

June 8,1904.

For general description see subdivision of this township.

Harvey D. Feist,

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

king the lines and corners described in the foregoing field notes of the survey of .....

.....

wing the respective capacities in which they acted:

....., *Chainman.*

For final affidavits see book "H" T.10 S.R.22 E. ....., *Chainman.*

....., *Moundman.*

....., *Moundman.*

....., *Axman.*

....., *Axman.*

....., *Flagman.*

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted .....

....., United States Deputy Surveyor, in surveying all

se parts or portions of the .....

.....

.....

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

..... meridian, ... of ....., which are represented

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

eneral for .....

For final affidavits see book "H" T.10 S.R.22 E. ....., *Chainman.*

....., *Chainman.*

....., *Moundman.*

....., *Moundman.*

....., *Axman.*

....., *Axman.*

....., *Flagman.*

.....

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

day of ....., 189

SEAL

6—151

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, ... United States Deputy Surveyor, o
solemnly swear that, in pursuance of a contract received from
United States Surveyor General for ....., bearing date of th
..... day of ....., 189 , I have well, faithfully, and truly, in my ow
proper person, and in strict conformity with the instructions furnished by the United States Surveyo
General for ....., the Manual of Surveying Instructions, and the laws of th
United States, surveyed all those parts or portions of .....
For final affidavit see book "H" T.10 S.R.22 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 re survey of the North Boundary of Township No. 9
South, Range No. 22 East 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, 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. 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-324

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JUL 30 1904

FIELD NOTES

OF THE SURVEY OF THE

East and South Boundaries,

of

Township No.9 South,

Range No.22 East.

Of the Salt Lake Base & *Meridian,*

in the State of Utah.

AS SURVEYED BY

Fredo R.Talamentos and Harvey D. Hoist, *United States Deputy Surveyors*

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

Survey commenced June 9,1904, *189*

Survey completed June 10,1904, *189*

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E Bdy high 5.78.00

S " " 5.74.06

BOOK A-324

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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Volume

#

R0324

BOOK A-324

INDEX DIAGRAM.

Township 9 S., , *Range* 22 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 th chain over even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; tha we will report the true distances to all notable objects, and the true lengths of all lines that we assist i measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey o .....

....., *Chainman*

....., *Chainman*

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

SEAL

.....

.....

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

.....

.....

EAST BDY. of T. 9 S., R. 22 E.

CHAINS	
	Survey commenced June 9, 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 June 7, 1904, and recorded in book "E" of this survey.
	At 7h a.m., l.m.t., I set off 40°04'N. on the lat. arc; 22°57'N. on the decl. arc; and determine a meridian with the solar at the cor. of Tps. 8 and 9 S., Rs. 22 and 23 E., heretofore described.
	Thence I run,
	South, on E. bdy. of the Tp.,
	Bet. secs. 1 and 6.
	Descend over rough broken country.
15.00	Bottom of hollow, 100 ft. deep, course W. Ascend.
38.00	Being equal to the distance on the W. bdy.,
	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.
55.00	Top of ridge, 200 ft. above bottom of hollow, bears E. and W.
	Descend.

EAST BDY. of T.9 S., R.22 E.

CHAINS	
62.00	Bottom of hollow, 150 ft. below top of ridge, course W.
	Ascend over very rough and broken country.
78.00	Set a sandstone, 18x8x6 ins., 12 ins. in the ground, for cor. of secs. 1-6-7 and 12, marked with 1 notch on the N., and 5 notches on the S. edge; 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.
	Soil; rocky and clay, 3rd rate.
	No timber.
	Mountainous land on 78.00 chs.

	South bet. secs. 7 and 12
	Ascend gradually through dense shadscale and greasewood brush.
2.50	Top of ridge bears E. and W.
	Descend.
13.00	Begin rough and precipitous descent over rocky land, bearing E. and W.
	Leave dense undergrowth.

EAST BDY.OF T.9 S.,R.22 E.

CHAINS	
40.00	Set a sandstone,24x10x6 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.
52.00	Wagon Road,bears E.and W.
64.50	Bottom of ravine,500 ft.below top of precipitous descent,course SW.
	Ascend.
68.00	Top of spur projects W.
	Descend.
72.00	Bottom of hollow,50 ft.below top of spur,course W.
	Ascend.
80.00	Set a sandstone,18x8x6 ins.,12 ins.in the ground,for cor.of secs.7-12-13 and 18,marked with 2 notches on the N.and 4 notches on the S.edge;and raise a mound of stone,2 ft.base,1½ ft.high,W.of cor.
	Pits impracticable.
	Land,mountainous.
	Soil;sandy loam,2nd rate,13.00 chs.:rocky and stony, third rate,67.00 chs.
	No timber.
	Dense undergrowth on 13.00 chs.;mountainous land on 80.00 chs.

	SOUTH,bet.secs.13 and 18.
	Ascend over rough rocky land.
3.25	Top of ridge bears E.and W.
	Descend.
15.50	Bottom of hollow,200 ft.below top of ridge,course W.
	Ascend.
	Enter dense shadscale and greasewood brush.
39.00	Top of spur projects E.
	Descend over perpendicular cliffs and sandstone boulders.
40.00	Set a sandstone,24x6x6 ins.,18 ins.in the ground,

CHAINS	
	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.
45.90	Bottom of gulch, 250 ft.below top of ridge, course E.
	Ascend.
58.00	Top of spur projects NW.
	Begin abrupt descent.
61.15	Bottom of gulch, 200 ft.deep, course NW.
	Begin abrupt ascent.
80.00	Set a sandstone, 18x6x6 ins., 12 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.
	Land, mountainous.
	Soil; rocky and stony, 4th rate.
	No timber.
	Mountainous land and dense undergrowth on 80.00 chs.
	June, 9: At this cor., I set off 22°58'N.on the decl. arc; and, at 11h 59m a.m., l.m.t., observe the sun on the meridian; the resulting lat.is 40°02'N.

South bet.secs.19 and 24.

	Ascend over rough broken land through dense shadscale and greasewood brush.
22.00	Top of ridge, 300 ft.above sec.cor., bears E.and W.
	Descend.
27.00	Bottom of hollow, 150 ft.below, top of ridge, course W.
	Ascend.
39.50	Top of spur projects N.70°W.
	Descend.
40.00	Set a sandstone, 24x10x6 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.
57.00	Bottom of ravine, 300 ft.below top of spur, course W.

East BDY. OF T. 9 S., R. 21 E.

CHAINS	
	Ascend.
65.00	Wagon Road, to Ouray Agency, bears E. and W.
80.00	Set a sandstone, 20x7x6 ins., 15 ins. in the ground, for cor. of secs. 19-24-25 and 30, marked with 4 notches on the N. and 2 notches on the S. edge; and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
	Pits impracticable.
	Land, mountainous.
	Soil; rocky and stony, 4th rate.
	No timber.
	Mountainous land and dense undergrowth on 80.00 chs.
	South bet. secs. 25 and 30.
	Ascend over rough broken land through dense shadscale and greasewood brush.
1.00	Top of spur projects W.
	Descend.
15.00	Bottom of hollow, 100 ft. below top of spur, course NW.
	Ascend.
40.00	Set a sandstone, 18x10x6 ins., 12 ins. in the ground, [illegible], 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	Top of spur projects E.
	Descend.
62.00	Bottom of gulch, 75 ft. deep, course NE.
	Ascend.
80.00	Set a sandstone, 20x8x6 ins., 15 ins. in the ground, for cor. of secs. 25-30-31 and 36, marked with 5 notches on the N. and 1 notch on the S. edge; and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
	Pits impracticable.

EAST BDY. OF T. 9 S., R. 22 E.

CHAINS	
	Land, mountainous.
	Soil; sandy and rocky, third rate.
	No timber.
	Mountainous land and dense undergrowth on 80.00 chs.

	South bet. secs. 31 and 36.
	Ascend over perpendicular cliffs and sandstone boulders.
0.85	Top of ridge bears E. and W.
	Descend.
38.75	Bottom of gulch, 350 ft. below top of ridge, course SW.
	Ascend.
40.00	Set a sandstone, 18x10x4 ins., 12 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
	Pits impracticable.
41.00	Top of spur projects W.
	Descend.
44.00	Bottom of gulch, 100 ft. below, top of spur, course NW.
	Ascend.
48.00	Top of spur projects E.
	Descend.
52.00	Bottom of gulch, 100 ft. below top of spur, course NE.
	Ascend.
55.00	Descend.
	Bottom of same gulch, course NW.
	Ascend.
64.00	Top of spur projects E.
	Descend.
68.75	Bottom of ravine, 100 ft. below top of spur, course E.
	Ascend.
74.50	Top of ridge bears E. and W.
	Descend.
80.00	Set a sandstone, 20x8x8 ins., 15 ins. in the ground, for cor. of Tps. 9 and 10 S., Rs. 22 and 23 E., marked with

EAST BDY. OF T. 9 S., R. 22 E.

CHAINS	
	9 S on NE.,
	23 E on SE.,
	10 S on SW., and
	22 E on NW. face; with 6 nothes on each edge; and
	raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, S. of cor.
	Pits impracticable.
	Land, mountainous.
	Soil; rocky, third rate.
	No timber.
	Mountainous land on 80.00 chs.
	June 9, 1904.

South BDY. OF T.9 S., R.22 E.

CHAINS	
	June 10, 1904: At 7h a.m., l.m.t., I set off 39°59'N. on the lat. arc; 23°02'N. on the decl. arc; and determine a meridian with the solar at the cor. of Tps. 9 and 10 S., Rs. 22 and 23 E., heretofore described.
	Thence I run
	West on a random line, along the S. bdy. of the Tp., setting temp. ¼ sec. and sec. cors. at intervals of 40.00 chs.; and, at 474.06 chs., intersect the E. bdy. of T.9 S., R.21 E., 28 lks. S. of the cor. of Tps. 9 and 10 S., Rs. 21 and 22 E., heretofore described.
	The falling answers to a correction of 0°02', or 5 lks. N. per mile, counting from the S.E. cor. of the township.
	Therefore I run
	S.89°58'E., bet. secs. 6 and 31, marking and blazing true line.
	Ascend abruptly over rocky land.
3.50	Enter broad level hollow, called "Nashio's Draw", course NE.; 250 ft. deep.
8.00	Leave bottom of draw and begin abrupt ascent over rough, rocky land.
18.00	Top of spur projects NW.
	Begin abrupt descent.
22.00	Bottom of hollow, 150 ft. deep, course NW.
	Begin abrupt ascent.
26.50	Top of spur projects SW.
	Descend.
34.00	In bottom of hollow, 100 ft. deep. course from NW. to SW.
	Set a sandstone, 20x10x4 ins., 15 ins. in the ground, for ¼ sec. cor., marked ¼ on N. face; and raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.
	Pits impracticable.
	Ascend.
74.00	Set a sandstone, 30x10x6 ins., 22 ins. in the ground, for cor. of secs. 5-6-31 and 32, marked with 1 notch on the

SOUTH BDY. OF T. 9 S., R. 22 E.

CHAINS	
	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, third rate.
	No timber.
	Mountainous land on 74.06 chs.

	S. 89°58' E., bet. secs. 5 and 32.
	Over rocky land ascend abruptly.
10.00	Top of ridge bears NW. and SE.
	Descend.
29.00	Bottom of hollow, 150 ft. deep, course NE.
	Begin abrupt ascent.
36.00	Top of spur projects N.
	Begin abrupt descent.
40.00	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.
40.25	Head of hollow, course N. Ascend.
45.00	Top of spur projects NE.
	Begin abrupt descent.
49.00	Bottom of hollow, 200 ft. deep, course NE.
	Ascend.
60.00	Top of spur projects N.
	Descend.
74.50	Bottom of hollow 150 ft. deep, course N. Ascend.
80.00	Set a sandstone, 18x10x8 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, third rate.
	No timber.

South BDY. of T.9 S., R.22 E.

CHAINS.	
	Mountainous land on 80.00 chs.

	S.89°58'E., bet. secs. 4 and 33.
	Ascend abruptly over rocky land.
7.00	Top of spur projects N.
	Descend.
13.00	Bottom of hollow, 100 ft. deep, course N.
	Begin abrupt ascent.
27.75	Top of ridge bears N. and S.
	Descend.
32.00	Head of hollow, course N.
	Begin abrupt ascent.
38.65	Top of rocky spur projects NE.
	Begin abrupt descent.
40.00	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.
57.75	Bottom of hollow, 150 ft. deep, course NE.
	Ascend.
62.00	Top of spur projects N.
	Descend.
71.50	Bottom of hollow, 150 ft. deep, course N.
	Begin abrupt ascent.
80.00	Set a sandstone, 24x12x5 ins., 18 ins. in the ground, for cor. of secs. 3-4-33 and 34, marked with 3 notches on the E. and W. edges; and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
	Pits impracticable.
	Land, mountainous.
	Soil; rocky, third rate.
	No timber.
	Mountainous land on 80.00 chs.
	June 10: At this cor., I set off 23°02' N. on the decl.

Chains.	
	arc; and at 11 h. 59 m.a.m.l.m.t., observe the sun on the meridian; the resulting lat.is 39°59'N.
	S.89°58'E.bet.secs.3 and 34.
	Ascend abruptly over very rough and rocky land.
5.25	Top of ridge bears N. and S.
	Begin abrupt descent over broken country.
40.00	Set a sandstone 20x6x5 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.
64.00	Bottom of hollow, 150 ft.deep, course NE. Ascend.
75.00	Top of spur projects NE.
	Begin abrupt descent.
80.00	Set a sandstone 24x8x5 ins.,18 ins.in the ground,for cor.of secs.2,3,34, and 35, marked with 4 notches on the W. and 2 notches on the E.edge; and raise a mound of stone 2 ft.base 1½ ft.high W.of cor.
	Pits impracticable.
	Land mountainous.
	Soil rocky; third rate.
	No timber.
	Mountainous land on 80.00 chs.
	S.89°58'E.bet.secs.2 and 35
	Descend abruptly over rough mountainous land.
2.00	Bottom of hollow, 150 ft.deep, course NE.
	Begin abrupt ascent.
14.00	Top of spur projects NE. Begin abrupt descent.
21.00	To left bank of White River, 1.25 chs.wide, course NW.
22.35	To right bank of White River.
	Over level bottom land; through dense greasewood brush.
31.00	Leave White River bottom bearing NW. and SE.

South.Bdy. of T. 9 S., R. 22 E.

Chains	
	Begin abrupt ascent; rough mountainous country.
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.
50.00	Bottom of gulch 300 ft.deep, course SW.
	Thence along south side of gulch.
59.00	Begin abrupt ascent.
70.00	Top of spur projects N. Descend.
76.00	Bottom of hollow 100 ft.deep, course N. Ascend.
80.00	Set a sandstone 15x10x5 ins.10 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 and level.
	Soil rocky and sandy; third rate.
	No timber.
	Mountainous land or dense undergrowth on 80.00 chs.

S.89°58'E.bet.secs.1 and 36

	Over rough broken land, ascend through dense shadscale and greasewood brush.
4.00	Top of spur projects N. Descend.
15.00	Bottom of ravine, 300 ft.deep, course NW.
	Ascend.
18.00	Descend.
22.00	Bottom of same ravine course SW.
	Ascend.
24.00	Descend.
27.00	Bottom of same gulch course NW.
	Ascend.
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

SOUTH BDY.T.9 S.,R.22 E.

CHAINS	
	Stone 2 ft.base,1½ ft.high,N.of cor.
	Pits impracticable.
47.00	Top of spur projects SW.
	Thence ascend along S.slope of spur.
68.00	Top of spur projects S.
	Descend.
80.00	The cor.of Tps.9 and 10 S.,Rs.22 and 23 E.
	Land mountainous.
	Soil;rocky,3rd rate.
	No timber.
	Mountainous land and dense undergrowth on 80.00 chs.

June 10,1904.

BOUNDARIES OF T.9 S.,R.22 E.

Latitudes,departures and closing errors.

Line designated.	True bearing.	Dist. chs.	Latitudes N. chs.	Latitudes S. chs.	Departures E. chs.	Departures W. chs.
S.Bdy.T.8 S.,R.22 E.						
S.Bdy.sec.31	S.89°45' E.	73.95		0.32	73.95	
" 32	S.89°32' E.	79.99		0.35	79.99	
" 33	S.89°30' E.	39.95		0.44	39.95	
" "	S.89°22' E.	39.80		0.58	39.80	
" 34	S.89°35' E.	80.02		0.58	80.02	
" 35	S.89°35' E.	79.90		0.68	79.90	
" 36	S.89°31' E.	80.57			80.57	
E.Bdy.T.9 S.,R.22 E.	South	478.00		478.00		
S.Bdy.T.9 S.,R.22 E.	N.89°58' W.	474.00	0.28			474.00
E.Bdy.T.9 S.,R.21 E.	North	481.00	481.00			
Convergency					0.01	
			481.88	481.60	474.79	474.00
			481.60		474.00	
			0.28		0.73	

Error in lat.and dep.

Harvey H. Hunt,
U.S.Deputy Surveyor.

For general description see subdivision of this township.

U.S.Deputy Surveyor.

Harvey L. Hirst

Volume
#
R0324

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

rking the lines and corners described in the foregoing field notes of the survey of .....

.....

owing 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

ose parts or portions of the .....

.....

.....

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

..... meridian, ... of ....., which are represented

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

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

.....

6-161

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, ... United States Deputy Surveyor solemnly swear that, in pursuance of a contract received from ..... United States Surveyor General for ....., bearing date of ..... day of ..... 189 , I have well, faithfully, and truly, in my c 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 "Z[11]" T 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 solem swear that all the corners of said survey have been established and perpetuated in strict accordance w the Manual of Surveying Instructions, and the special written instructions of the United States 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; and should any fraud be detected, I will sub 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 East and South Boundaries of Town ship No.2 South, Range No.22 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. ..... dated ....., 189 , having been critically examined, and the necessary corrections and explanations made, the said field notes, and the survey 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-324

FIELD NOTES

OF THE SURVEY OF THE

SUBDIVISIONS

OF

TOWNSHIP No. 9 SOUTH,

RANGE No. 22 EAST.

Of the SALT LAKE BASE & *Meridian,*

in the STATE of UTAH.

AS SURVEYED BY

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

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

Survey commenced June 10, 1904, *189*

Survey completed June 20, 1904, *189*

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Length 58.60.31

BOOK A-324

NAMES AND DUTIES OF ASSISTANTS.

EARL WOOLLEY, ... CHAINMAN.

HEBER CHRISTENSEN, ... CHAINMAN.

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-324

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Meanders Page

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PRELIMINARY OATHS OF ASSISTANTS.

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

....., *Chainma*

....., *Chainma*

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

SEAL

.....

.....

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

....., *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.9 S., R.22 E.

CHAINS

Survey commenced June 10, 1904, and executed with a W.& L.E.Gurley light mountain transit, No. , with solar attachment. The horizontal limb is provided with two double verniers placed opposite to eachother, reading to single minutes of arc, which is also the least count of the latitude and declination arcs.
The instrument was examined, tested on the true meridian at Salt Lake City, found correct, and was approved by the surveyor general for Utah, 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 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. 1-2-35 and 36, on the S. bdy. of T. 9 S. R. 22E., I set off 39°59'N. on the lat. arc; 23°03'N. on the decl. arc; and at 4h p.m., l.m.t., determine with the solar a meridian and mark a point thereof, on a stone, firmly set in the ground, 5 chs. N. of the cor.

June 10, 1904.

Junell: At 2h 07m a.m., l.m.t., I observe Polaris at eastern elongation, in accordance with the Manual of Instructions, and mark a point in the line thus determined, on a peg driven in the ground, 5 chs. N. of my station.
At 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 0.41ins. east of the mark determined by the solar.
At 7h a.m., l.m.t., I set off 39°59'N. on the lat. arc; 23°06'N. on the decl. arc; and mark a point in the meridian

SUBDIVISIONS OF T.9 S.,R.22 E.

CHAINS	
	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 determined 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 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°20'W.; the angle thus determined gives the mag. decl. 16°20'E.
	From the cor. of secs. 1-2-35 and 36, heretofore described, on the S. bdy. of the Tp., I run
	N.0°01'W., bet. secs. 35 and 36.
	Over rough rocky land descend through dense shadscale and greasewood brush.
33.00	Bottom of ravine, 500 ft. deep, course W.
	Begin abrupt ascent.
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.
43.00	Top of ridge bears E. and W.
	Descend.
51.00	Head of hollow, course W., 150 ft. deep.
	Ascend.
55.00	Top of spur projects NW.
	Descend.
72.00	Bottom of hollow, 200 ft. deep, course W.
	Ascend.
80.00	Set a sandstone, 14x12x5 ins., 9 ins. in the ground, for cor. of secs. 25-26-35 and 36, marked with 1 notch on the E. and S. edges; and raise a mound of stone, 2 ft. base, 1½

SUBDIVISIONS OF T.9 S.,R.22 E.

CHAINS	
	ft.high,W.of cor.
	Pits impracticable.
	Land mountainous.
	Soil;rocky,third rate.
	No timber.
	Mountainous land and dense undergrowth on 80.00 chs.

	S.89°58'E.on a random line bet.secs.25 and 36.
40.00	Set temp.$\frac{1}{4}$ sec.cor.
79.73	Intersect E.bdy.of the Tp.,32 lks.S.of the cor.of secs.25-30-31 and 36,heretofore described.
	Thence I run
	S.89°48'W.on a true line
	Bet.secs.25 and 36.
	Ascend over very rough broken country.
3.60	Top of ridge bears NW.and SE.
	Descend.
15.50	Bottom of ravine,500 ft.below top of ridge,course S.
	Ascend.
31.00	Top of spur projectsS.
	Descend.
37.00	Bottom of ravine,200 ft.deep,course S.
	Ascend.
39.87	Set a sandstone,18x8x6 ins.,12 ins.in the ground,for $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on N.face;and raise a mound of stone,2 ft.base,$1\frac{1}{2}$ ft.high,N.of cor.
	Pits impracticable.
52.00	Top of ridge bears N.and S.
	Descend.
79.73	The cor.of secs.25-26-35 and 36.
	Land mountainous.
	Soil;rocky,third rate.
	No timber.
	Mountainous land on 79.73 chs.

SUBDIVISIONS OF T. 9 S., R.22 E.

CHAINS	
	N.0°01'W., bet.secs.25 and 26.
	Ascend over rocky broken land.
12.00	Top of ridge bears E.and W.
	Descend.
20.00	Bottom of hollow, 150 ft.deep, course NW.
	Ascend.
25.00	Top of rocky spur projects W.
	Descend.
32.00	Bottom of hollow, 150 ft.deep, course NE. Ascend.
35.00	Descend.
38.00	Bottom of same hollow, 150 ft.deep, course NW.
	Ascend.
40.00	Set a sandstone, 16x8x8 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.
41.50	Top of spur projects W.
	Begin abrupt descent.
46.50	Bottom of ravine, 200 ft.deep, course W.
	Ascend.
56.00	Top of ridge bears NW.and SE.
	Descend.
80.00	Set a sandstone, 16x6x6 ins, 11 ins.in the ground, for cor.of secs.23-24-25 and 26, marked with 2 notches on the S.and 1 notch on the E.edge; and raise a mound of stone, 2 ft.base, 1½ ft.high, W.of cor.
	Pits impracticable.
	Land, mountainous.
	Soil; rocky, third rate. No timber.
	Mountainous land on 80.00 chs.
	June 11: At this cor., I set off 23°06'N.on the decl. arc; and, at 11h 59m a.m., l.m.t., observe the sun on the meridian; the resulting lat.is 40°01'N.

SUBDIVISIONS OF T. 9 S., R. 22 E.

CHAINS	
	N. 89°48' E. on a random line bet. secs. 24 and 25.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
79.84	Intersect the E. bdy. of Tp., 18 lks. N. of the cor. of secs. 19-24-25 and 30, heretofore described.
	Thence I run
	S. 89°56' W. on a true line
	Bet. secs. 24 and 25.
	Descend over rough broken country through dense shad scale and greasewood brush.
6.00	Bottom of ravine, 150 ft. above sec. cor., course NW.
	Ascend.
39.92	Set a sandstone, 20x10x5 ins., 15 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
	Pits impracticable.
49.30	Top of ridge bears N. and S.
	Descend.
79.84	The cor. of secs. 23-24-25 and 26.
	Land, mountainous.
	Soil; rocky, third rate.
	No timber.
	Mountainous land on 79.84 chs.

	N. 0°01' W., bet. secs. 23 and 24.
	Descend over rough broken land through dense shadscale and greasewood brush.
12.00	Bottom of hollow, 100 ft. deep, course W.
	Ascend.
38.00	Top of spur projects SW.
	Descend.
40.00	Set a sandstone, 18x12x6 ins., 12 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
	Pits impracticable.

SUBDIVISIONS OF T.9 S., R. 22 E.

CHAINS	
43.20	Bottom of hollow, 100 ft. deep, course W.
	Ascend.
47.00	Top of spur projects W.
55.00	Wagon Road to Ouray Agency, bears NW. and SE.
59.00	Bottom of swale, 150 ft. below top of spur, course W.
74.00	Top of ridge bears E. and W.
80.00	In head of hollow, course NE. Ascend.
	Set a sandstone, 16x10x4 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.
	Land mountainous.
	Soil; rocky and stony, 3rd rate.
	No timber.
	Mountainous land and dense undergrowth on 80.00 chs.

	N. 89°56' E. on a random line bet. secs. 13 and 24.
40.00	Set temp. ¼ sec. cor.
80.15	Intersect the E. bdy. of the T., 3 lks. S. of the cor. of secs. 13-18-19 and 24, heretofore described.
	Thence I run
	S. 89°55' W. on a true line
	Bet. secs. 13 and 24.
	Descend over rough broken land through dense shadscale and greasewood brush.
18.00	Bottom of gulch, 350 ft. below sec. cor., course N.
	Ascend.
35.00	Top of ridge bears N. and S.
	Descend.
40.08	Set a sandstone, 20x9x4 ins., 15 ins. in the ground, for ¼ sec. cor., marked ¼ on N. face; dig pits, 18x18x12 ins., N. and W. of stone, 3 ft. dist.; and raise a mound of earth, 3½ ft. base, 1½ ft. high, N. of cor.

SUBDIVISIONS OF T.9 S., R.22 E.

CHAINS	
65.00	Bottom of hollow, 100 ft. deep, course N.
	Ascend.
80.15	The cor. of secs. 13-14-23 and 24.
	Land mountainous.
	Soil; rocky and sandy, third rate.
	No timber.
	Mountainous land and dense undergrowth on 80.15 chs.
	June 11, 1904.

	June 12: At 7h a.m., l.m.t., I set off 40°02'N. on the lat. arc; 23°10'N. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 13-14-23 and 24.
	Thence I run
	N.0°01'W., bet. secs. 13 and 14.
	Ascend through dense shadscale and greasewood brush.
17.00	Top of spur projects E.
	Descend, over rough broken country.
40.00	Set a sandstone, 20x7x5 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.
46.00	Begin abrupt descent over sandstone ledges and boulders.
77.00	Bottom of hollow, 100 ft. deep, course NW.
	Ascend.
80.00	Set a sandstone, 18x8x6 ins., 12 ins. in the ground, for cor. of secs. 11-12-13 and 14, marked with 4 notches on the S. and 1 notch on the E. edge; 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.
	Soil; rocky and sandy, third rate.
	No timber.
	Mountainous land and dense undergrowth on 80.00 chs.

	N.89°55'E. on a random line bet. secs. 12 and 13.
40.00	Set temp. ¼ sec. cor.

SUBDIVISIONS OF T.9 S.,R.22 E.

CHAINS	
80.10	Intersect E.bdy.of Tp.,5 lks.S.of the cor.of secs. 7-12-13 and 18,heretofore described.
	Thence I run
	S.89°53'W.on a true line
	Bet.secs.12 and 13.
	Descend along N.slope of mountain through dense shad scale and greasewood brush.
10.00	Bottom of hollow,100 ft.deep,course SW.
	Ascend over rough broken land.
40.05	Set a sandstone,20x6x6 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.
42.00	Bottom of ravine,200 ft.deep,course NE.
	Ascend.
47.00	Top of spur projects S.
	Descend.
80.10	The cor.of secs.11-12-13 and 14.
	Land,mountainous.
	Soil;rocky and sandy,third rate .
	No timber.
	Mountainous land and dense undergrowth on 80.10 chs.

	N.0°01'W.,bet.secs.11 and 12.
	Ascend through dense shadscale and greasewood brush.
34.00	Top of ridge bears E.and W.
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.
43.25	Bottom of hollow,200 ft.below Top of ridge,course W.
	Ascend.
43.50	Old wagon road bears E.and W.
58.00	Top of ridge bears E.and W.
	Descend.

SUBDIVISIONS OF T.9 S., R. 22 E.

CHAINS	
80.00	Set a sandstone, 18x8x6 ins., 12 ins. in the ground, for cor. of secs. 1-2-11 and 12, marked with 5 notches on the S. and 1 notch on the E. edge; 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.
	Soil; rocky and sandy, third rate.
	No timber.
	Mountainous land and dense undergrowth on 80.00 chs.
	June 12: At this cor., I set off 23°10'N. on the decl. arc; and, at 12h m., l.m.t., observe the sun on the meridian; the resulting lat. is 40°03'N.

	N. 89°53'E. on a random line bet. secs. 1 and 12.
40.00	Set temp. ¼ sec. cor.
80.20	Intersect E. bdy. of the Tp., 18 lks. S. of the cor. of secs. 1-6-7 and 12, heretofore described.
	Thence I run
	S. 89°45'W. on a true line
	Bet. secs. 1 and 12.
	Descend over rocky broken land.
4.50	Bottom of ravine, 100 ft. below sec. cor., course N.
	Ascend.
22.50	Top of ridge, 300 ft. above bottom of ravine, bears NW. and SE.
	Descend.
	Enter dense greasewood and shadscale brush.
40.10	Set a sandstone, 14x8x8 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.
45.00	Begin abrupt descent, bearing NW. and SE.
80.20	The cor. of sec. 1-2-11 and 12.
	Land, mountainous.
	Soil; rocky and sandy, third rate.

SUBDIVISIONS OF T.9 S., R.22 E.

CHAINS	
	No timber.
	Mountainous land on 80.20 chs.;dense undergrowth on 57.70 chs.

	N.0°01'W.on a random line bet.secs.1 and 2.
40.00	Set temp.$\frac{1}{4}$ sec.cor.
79.10	Intersect N.bdy.of the Tp.,14 lks.E.of the cor.of secs.1-2-35 and 36,heretofore described.
	Thence I run
	S.0°07'E.on a true line
	Bet.secs.1 and 2.
	Descend over rough and broken country through dense shadscale and greasewood brush.
8.50	Bottom of ravine,100 ft.deep,course SE.
	Descend along W.side of ravine.
39.10	Set a sandstone,14x8x6 ins.,9 ins.in the ground,for $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on W.face;dig pits 18x18x12 ins., N.and S.of stone,3 ft.dist.;and raise a mound of earth, $3\frac{1}{2}$ ft.base,$1\frac{1}{2}$ ft.high,W.of cor.
42.50	Begin gradual ascent.
57.50	Top of spur projects SE.
	Descend.
76.50	Bottom of hollow,100 ft.deep,course W.
	Ascend.
79.10	The cor.of secs.1-2-11 and 12.
	Land mountainous.
	Soil;rocky and sandy,third rate.
	No timber.
	Mountainous land and dense undergrowth on 79.10 chs.
	June 12th,1904.

	June 13:At 7h a.m.,l.m.t.,I set off 39°59'N.on the lat. arc;23°14'N.on the decl.arc;and determine a meridian with the solar at the cor.of secs.2-3-34 and 35,on the

SUBDIVISIONS OF T.9 S., R. 22 E.

CHAINS	
	S.bdy.of the Tp., heretofore described.
	Thence I run
	N.0°01'W., bet.secs.34 and 35.
	Ascend over rocky land.
2.50	Top of spur projects NE.
	Begin abrupt descent.
	Enter bottom along White River.
	Over level land through dense greasewood brush.
20.00	To left bank of White River, 1.60 chs.wide in bottom of canon, 800 ft.deep, course NW.
24.50	To right bank of White River.
	Begin abrupt ascent over rocky land.
26.00	Top of perpendicular sandstone cliff bears E.and W.
	Ascend.
30.00	Top of spur projects NW.
	Descend.
40.00	Set a sandstone, 15x8x5 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.
48.00	Bottom of hollow, 200 ft.deep, course NW.
	Ascend.
65.00	Top of ridge bears NW.and SE.
	Descend.
78.00	Bottom of hollow, 100 ft.deep, course NW.
	Ascend.
80.00	Set a sandstone, 16x10x10 ins., 11 ins.in the ground, for cor.of secs.26-27-34 and 35, marked with 2 notches on E.and 1 notch on S.edge; and raise mound of stone, 2 ft. base, 1½ ft.high, W.of cor. Pits impracticable.
	Land, mountainous. Soil, rocky, third rate. No timber.
	Mountainous land or dense undergrowth on 80.00 chs.

	S.89°58'E.on a random line bet.secs.26 and 35.
40.00	Set temp.¼ sec.cor.

SUBDIVISIONS OF T. 9 S., R.22 E.

CHAINS	
80.04	Intersect N. and S. line, 9 lks. S. of the cor. of secs. 25-26-35 and 36.
	Thence I run
	S.89°58'W. on a true line
	Bet. secs. 26 and 35.
	Descend over rough mountainous land.
7.00	Bottom of hollow, 150 ft. below sec. cor., course S.
	Ascend.
35.00	Top of spur projects SW.
	Descend.
40.02	Set a sandstone, 14x12x5 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.
46.00	Bottom of hollow, 300 ft. below top of spur, course NW.
	Ascend.
69.00	Top of spur projects N.
80.04	The cor. of secs. 26-27-34 and 35.
	Land, mountainous.
	Soil; rocky, third rate.
	No timber.
	Mountainous land on 80.04 chs.

	N.0°01'W., bet. secs. 26 and 27.
	Ascend over rough mountainous land.
6.00	Top of spur projects W.
	Descend.
19.00	Enter bottom along White River.
	Over level land through dense greasewood brush.
31.00	To right bank of White River, 1.50 chs. wide, course N.
39.00	Leave White River, course NW.
40.00	Set a sandstone, 16x6x6 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	Foot of steep cliff, bears NW. and SE.

SUBDIVISIONS OF T. 9 S.,R.22 E.

CHAINS	
	Begin abrupt ascent.
65.00	Top of spur projects W.
	Descend.
70.00	Head of hollow, course SW.
	Ascend.
74.00	Top of spur projects NW.
	Descend.
80.00	In bottom of hollow, 200 ft. deep, course NW.
	Set a sandstone, 14x10x6 ins., 9 ins. in the ground, for cor. of secs. 22-23-26 and 27, marked with 2 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, and level
	Soil; rocky, third rate.
	No timber.
	Mountainous land or dense undergrowth on 80.00 chs.
	June 13: At this cor., I set off 23°14'N. on the decl. arc; and at 12h m., l.m.t., observe the sun on the meridian; the resulting lat. is 40°01'N.

	N.89°58'E. on a random line bet. secs. 23 and 26
40.00	Set temp. ¼ sec. cor.
79.98	Intersect N. and S. line, 13 lks. W. of the cor. of secs. 23-24-25 and 26.
	Thence I run
	N.89°56'W. on a true line
	Bet. secs. 23 and 26.
	Descend over broken mountainous land through dense artemisia and greasewood brush.
15.00	Head of hollow, course NW.
	Ascend.
35.00	Top of low spur projects NW.
	Descend.
39.99	Set a sandstone, 16x11x6 ins., 11 ins. in the ground,

SUBDIVISIONS OF T. 9 S., R. 22 E.

CHAINS	
	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.
44.00	Head of hollow, course NE.
	Begin abrupt ascent.
64.00	Top of ridge bears N. and S.
	Descend.
79.98	The cor. of secs. 22-23-26 and 27.
	Land mountainous.
	Soil; rocky, third rate.
	No timber.
	Mountainous land on 79.98 chs.

	N. 0°01'W., bet. secs. 22 and 23.
	Ascend through shadscale and dense greasewood brush.
25.00	Top of ridge bears NE. and SW.
	Descend.
30.00	Bottom of ravine, 100 ft. below, top of ridge, course NE.
	Ascend.
37.00	Top of spur projects E.
	Descend.
40.00	Set a sandstone, 24x6x6 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 gulch, 250 ft. below top of spur, course W.
	Ascend.
58.50	Top of ridge bears E. and W.
	Descend.
69.75	Bottom of gulch, 200 ft. below top of ridge, course W.
	Ascend.
80.00	Set a sandstone, 24x6x6 ins., 18 ins. in the ground, for cor. of secs. 14-15-22 and 23, marked with 3 notches on the S. and 2 notches on the E. edge; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

SUBDIVISIONS OF T. 9 S., R.22 E.

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

	S.89°56'E. on a random line bet. secs. 14 and 23.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.04	Intersect N. and S. line, 5 lks. S. of the cor. of secs. 13-14-23 and 24.
	Thence I run
	N.89°58'W. on a true line
	Bet. secs. 14 and 23.
	Ascend through dense shadscale and greasewood brush.
10.20	Top of ridge bears N. and S.
27.30	Bottom of gulch, 125 ft. above sec. cor., course NW.
	Ascend.
40.02	Set a sandstone, 24x8x6 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.
	Pits impracticable.
50.00	Top of ridge bears N.W. and SE.
	Descend.
52.00	Wagon Road to Ouray Agency, bears NW. and SE.
63.50	Same wagon road bears NE. and SW.
67.00	Same wagon road bears NW. and SE.
80.04	The cor. of secs. 14-15-22 and 23.
	Land, mountainous.
	Soil; rocky, third rate.
	No timber.
	Mountainous land and dense undergrowth on 80.04 chs.
	June 13, 1904.

SUBDIVISIONS OF T. 9 S., R.22 E.

CHAINS	
	June 14: At 7h a.m., l.m.t., I set off 40°02'N. on the lat. arc; 23°17'N. on the decl. arc; and determine a meridian with the solar, at the cor. of secs. 14-15-22 and 23.
	Thence I run
	N. 0°01'W., bet. secs. 14 and 15.
	Descend over broken and stony land.
3.40	Wagon Road to Ouray Agency, bears E. and W.
4.50	Bottom of gulch, 75 ft. below sec. cor., course W.
	Begin abrupt ascent.
7.00	Top of spur projects W.
	Descend.
20.90	Bottom of ravine, 150 ft. below top of ridge, course W.
	Ascend.
28.00	Top of spur projects E.
	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.
48.20	Bottom of gulch, 400 ft. below top of spur, course E.
	Ascend.
70.00	Top of ridge bears E. and W.
	Descend.
80.00	Set a sandstone, 18x8x8 ins., 12 ins. in the ground, for cor. of secs. 10-11-14 and 15, marked with 4 notches on the S. and 2 notches on the E. edges; and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
	Land, mountainous.
	Soil; rocky, third rate.
	No timber.
	Mountainous land on 80.00 chs.

	S. 89°58'E. on a random line bet. secs. 11 and 14.
40.00	Set temp. ¼ sec. cor.

SUBDIVISIONS OF T. 9 S., R. 22 E.

CHAINS	
79.96	Intersect N. and S. line, 7 lks. S. of the cor. of secs. 11-12-13 and 14.
	Thence I run
	S. 89°59' W. on a true line
	Bet. secs. 11 and 14.
	Descend through dense artemisia.
2.00	Bottom of hollow, 100 ft. deep, course NW.
	Ascend.
9.00	Top of spur projects NW.
	Descend.
39.93	Set a sandstone, 18x6x6 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.
45.00	Bottom of ravine, 500 ft. below top of spur, course N. Ascend.
71.00	Top of spur projects N.
	Descend.
74.00	Bottom of hollow, 100 ft. deep, course NW.
	Ascend.
79.96	The cor. of secs. 10-11-14 and 15.
	Land, mountainous.
	Soil; rocky, third rate.
	No timber.
	Mountainous land and dense undergrowth on 79.96 chs.

	N. 0°01' W., bet. secs. 10 and 11.
	Descend over rocky land.
1.75	Bottom of ravine, 100 ft. deep, course NW.
	Ascend.
4.50	Top of spur projects NW.
	Descend.
8.50	Enter dense shadscale and greasewood brush.
34.00	Bottom of hollow, 300 ft. below top of spur, course W.
	Ascend.
39.15	Old wagon road bears NW. and SE.
40.00	Set a sandstone, 14x10x5 ins., 9 ins. in the ground,

SUBDIVISIONS OF T.9 S., R.22 E.

CHAINS	
	for $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on W.face;dig pits,18x18x12 ins. N.and S.of stone,3 ft.dist.;and raise a mound of earth, $3\frac{1}{2}$ ft.base,$1\frac{1}{2}$ ft.high,W.of cor.
65.00	Leave undergrowth.
72.00	Begin abrupt ascent,bearing E.and W.
80.00	Point for cor.falls on a sandstone ledge;cut a cross(+) at exact corner point,for cor.of secs. 2-3-10 and 11,marked with 5 grooves S.and 2 grooves E.of cross;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,third rate.
	No timber.
	Mountainous land on 80.00 chs.;dense undergrowth on 56.50 chs.
	June 14:At this cor.,I set off 23°17'N.on the decl. arc;and at 12h m.,l.m.t.,observe the sun on the meridian; the resulting lat.is 40°03'N.

	N.89°59'E.on a random line bet.secs.2 and 11.
40.00	Set temp.$\frac{1}{4}$ sec.cor.
80.04	Intersect N.and S.line,5 lks.S.of the cor.of secs. 1-2-11 and 12.
	Thence I run
	S.89°57'W.on a true line
	Bet.secs.2 and 11.
	Descend gradually through dense greasewood and shad scale brush.
25.50	Bottom of hollow,75 ft.deep,course SW.
	Ascend.
32,00	Descend.
38.50	Bottom of hollow,75 ft.deep,course SW.
	Ascend.

SUBDIVISIONS OF T. 9 S., R. 22 E.

CHAINS	
40.02	Set a sandstone, 18x10x8 ins., 12 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; dig pits, 18x18x12 ins., E. and W. of stone, 3 ft. dist.; and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
49.10	Top of spur projects SW.
	Descend.
52.00	Bottom of gulch, 100 ft. deep, course SW.
	Ascend, over rough broken country.
80.04	The cor. of secs. 2-3-10 and 11.
	Land, mountainous and rolling.
	Soil; sandy and rocky, third rate.
	No timber.
	Mountainous land or dense undergrowth on 80.04 chs.

	N. 0°01'W. on a random line bet. secs. 2 and 3.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
79.50	Intersect the 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.
	Descend over rough broken country through dense shadscale and greasewood brush.
39.50	Set a sandstone, 20x8x4 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.
41.00	Foot of descent. Ascend, over broken and rough clay hills.
	Leave undergrowth.
49.25	Top of spur projects W.
	Descend.
54.00	Bottom of hollow, 50 ft. below top of spur, course W.
	Ascend.

SUBDIVISIONS OF T. 9 S., R.22 E.

CHAINS	
68.75	Top of ridge bears E.and W.
	Descend.
79.50	The cor.of secs.2-3-10 and 11.
	Land,mountainous.
	Soil;clay and rocky,third rate.
	No timber.
	Mountainous land on 79.50 chs.;dense undergrowth on 41.00 chs.
	June 14,1904.

	June 15:At 7h a.m.,l.m.t.,I set off 39°59'N.on the lat.arc;23°20'N.on the decl.arc;and determine a meridian with the solar at the cor.of secs.3-4-33 and 34,on the S.bdy.of the Tp., heretofore described.
	Thence I run
	N.0°02'W.,bet.secs.33 and 34.
	Over rocky land ascend abruptly.
2.00	Top of spur projects W.
	Descend abruptly.
12.00	Bottom of hollow,100 ft.deep,course NE.
	Ascend.
40.00	Set a sandstone,24x10x5 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.
	Pit impracticable.
56.50	Top of ridge bears NE.and SW.
	Descend over broken land.
74.00	Bottom of hollow,100 ft.deep,course W.
	Ascend.
78.00	Top of spur projects W.
	Begin abrupt descent.
80.00	In head of hollow,course NW.
	Set a sandstone,18x8x4 ins.,12 ins.in the ground,for cor.of secs.27-28-33 and 34,marked with 1 notch on the

SUBDIVISIONS OF T. 9 S., R. 22 E.

CHAINS	
	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, third rate.
	No timber.
	Mountainous land on 80.00 chs.

	S. 89°58'E. 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. N. of the cor. of secs. 26-27-34 and 35.
	Thence I run N. 89°56'W. on a true line Bet. secs. 27 and 34.
	Over rough and rocky land, descend abruptly.
0.50	Bottom of hollow, 100 ft. deep, course NW.
	Begin abrupt ascent.
8.00	Top of spur projects N.
	Begin abrupt descent.
12.00	Bottom of hollow, 150 ft. deep, course W.
	Descend along bottom of hollow.
17.00	Leave bottom of hollow, and begin ascent.
19.00	Top of spur projects N.
	Descend.
21.00	Set a sandstone, 14x6x6 ins., 9 ins. in the ground, for witness cor. to ¼ sec. cor., marked W C ¼ on N. face; and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
	Pits impracticable.
21.30	To right bank of White River, 1.50 chs. wide, course N.
22.80	To left bank of White River.
	Over level land.
38.00	Ascend abruptly over precipitous sandstone cliffs, bear N. and S.
40.05	Point for ½ sec. cor., falls on face of perpendicular

SUBDIVISIONS OF T.9 S.,R.22 E.

CHAINS	
	sandstone cliff and cannot be set.
45.00	Begin gradual ascent, over rocky land.
65.00	Top of spur projects N.
	Descend.
70.50	Bottom of hollow, 100 ft. deep. course N.
	Ascend.
78.00	Top of spur projects N.
	Descend.
80.10	The cor. of secs. 27-28-33 and 34.
	Land, mountainous and level.
	Soil; sandy and rocky, third rate.
	No timber.
	Mountainous land on 80.10 chs.

	N.0°02'W., bet. secs. 27 and 28.
	Ascend over rocky land.
8.50	Top of spur projects W.
	Begin abrupt descent.
35.00	To left bank of White River, 1.60 chs. wide, course W.
36.60	To right bank of White River.
	Begin abrupt ascent over rocky land, and sandstone cliffs.
40.00	Set a sandstone, 16x8x6 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. ba e, $1\frac{1}{2}$ ft. high, W. of cor.
	Pits impracticable.
48.00	Top of rocky spur projects SW.
	Descend.
70.00	Bottom of gulch, 100 ft. deep, course SW.
	Ascend.
74.00	Top of ridge bears E. and W.
	Descend, abruptly.
80.00	Set a sandstone, 16x10x8 ins., 11 ins. in the ground, for cor. of secs. 21-22-27 and 28, marked with 3 notches on the E. and 2 notches on the S. edge; and raise a mound of

SUBDIVISIONS OF T. 9 S., R. 22 E.

CHAINS	
	stone, 2 ft. base, 1½ ft. high, W. of cor.
	Pits impracticable.
	Land mountainous.
	Soil; rocky, third rate.
	No timber.
	Mountainous land on 80.00 chs.
	June 15: At this cor., I set off 23°20' N. on the decl. arc; and at 12h m., l.m.t., observe the sun on the meridian the resulting lat. is 40°01' N.

	S. 89°56' E. on a random line Bet. secs. 22 and 27.
40.00	Set temp. ¼ sec. cor.
80.04	Intersect N. and S. line, 3 lks. S. of the cor. of secs. 22-23-26 and 27.
	Thence I run N. 89°57' W. on a true line Bet. secs. 22 and 27.
	Ascend over mountainous land through dense shadscale and geasewood brush.
14.00	Top of spur projects N.
	Descend.
22.00	Bottom of hollow, 50 ft. deep, course NW.
	Ascend.
36.00	Top of spur projects N.
	Descend.
40.02	Set a sandstone, 15x10x8 ins., 10 ins. in the ground, for ¼ sec. cor., marked ¼ on N. face; and raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.
	Pits impracticable.
41.00	Bottom of hollow, 120 ft. below top of spur drains SW.
	Ascend.
70.00	Top of ridge bears NE. and SW.
	Descend.
80.04	The cor. of secs. 21-22-27 and 28.

SUBDIVISIONS OF T. 9 S., R. 22 E.

CHAINS	
	Land, mountainous.
	Soil; rocky, third rate.
	No timber.
	Mountainous land and dense undergrowth on 80.04 chs.

	N. 0°02'W., bet. secs. 21 and 22.
	Descend over broken rocky land through dense artemisia.
6.00	Bottom of hollow, 100 ft. deep, course W.
	Ascend.
10.00	Top of spur projects NW.
	Descend.
18.00	Head of hollow, course NE.
	Begin abrupt ascent.
19.00	Top of spur projects E.
	Descend.
24.00	Bottom of hollow, 100 ft. deep, course NW.
	Begin abrupt ascent.
30.00	Top of spur projects W.
	Descend abruptly.
35.00	Bottom of ravine, 150 ft. deep, course from W. to SW.
	Ascend.
40.00	Set a sandstone, 16x8x8 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	Begin abrupt ascent.
50.00	Top of spur projects W.
	Descend.
52.00	Bottom of hollow, 100 ft. deep, course W.
	Ascend.
60.00	Top of ridge bears E. and W.
	Descend.
72.00	Bottom of hollow, 120 ft. deep, course W.
	Ascend.

SUBDIVISIONS OF T.9 S.,R.22 E.

CHAINS	
80.00	Set a sandstone,14x12x5 ins.,9 ins.in the ground, for cor.of secs.15-16-21 and 22,marked 9 S on NE.,and 22 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.
	Land,mountainous.
	Soil;rocky,third rate.
	No timber.
	Mountainous land and dense undergrowth on 80.00 chs.

	S.89°57'E.on a random line bet.secs.15 and 22.
40.00	Set temp.¼ sec.cor.
79.96	Intersect N.and S.line,5 lks.S.of the cor.of secs. 14-15-22 and 23.
	Thence I run
	N.89°59'W.on a true line
	Bet.secs.15 and 22.
	Descend over rough broken land.
22.00	Bottom of hollow,100 ft.deep,course NW.
	Ascend.
26.00	Top of spur projects N.
	Descend.
31.20	Bottom of hollow,100 ft.deep,course N.
39.98	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.
41.00	Top of ridge bears NW.and SE.,400 ft.above bottom of hollow. Descend.
	Enter dense artemisia.
79.96	The cor.of secs.15-16-21 and 22.
	Land mountainous.
	Soil;rocky,third rate,

SUBDIVISIONS OF T.9 S.,R.22 E.

Chains	
	No timber.
	Mountainous land on 79.96 chs.;Dense undergrowth on 38.96 chs.
	June 15,1904.

	June 16:At 7h a.m.,l.m.t.,I set off 40°02'N.on the lat.arc;23°22'N.on the decl.arc;and determine a meridian with the solar at the cor.of secs.15,16,21 and 22.
	Thence I run
	N.0°02'W.,bet.secs.15 and 16.
	Ascend over rocky land through dense artemisia.
7.00	Top of spur projects NW. Descend.
20.00	Bottom of hollow,100 ft.deep,course NW.
	Ascend.
29.50	Top of spur projects W.
	Descend.
40.00	Set a trachyte stone,14x7x4 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.
46.00	Bottom of hollow,150 ft.deep,course NW.
	Ascend.
47.25	Wagon Road to Ouray Agency,bears E.and W.
53.00	Top of rocky spur projects W.
	Descend,abruptly.
61.00	Bottom of hollow,300 ft.deep,course W.
	Ascend.
70.00	Top of spur projects W.
	Descend.
76.00	Head of hollow,course W.
	Ascend.
79.50	Top of ridge bears NW.and SE.
	Descend.

SUBDIVISIONS OF T.9 S.,R.22 E.

CHAINS	
80.00	Set a sandstone,13x10x5 ins.,9 ins.in the ground,for cor.of secs.9-10-15 and 16,marked with 4 notches on the S.and 3 notches on the E.edge;and raise a mound of stone,2 ft.base,1½ ft.high,W.of cor.
	Pits impracticable.
	Land,mountainous.
	Soil;rocky,third rate.
	No timber.
	Mountainous land on 80.00 chs.
	S.89°59'E.on a random line bet.secs.10 and 15.
40.00	Set temp.¼ sec.cor.
80.02	Intersect N.and S.line,3 lks.N.of the cor.of secs. 10-11-14 and 15.
	Thence I run N.89°58'W.,on a true line Bet.secs.10 and 15.
	Ascend over broken country,through dense shadscale and greasewood brush.
19.75	Top of spur projects N.
	Descend.
31.25	Bottom of hollow,150 ft.below top of spur,course N.
	Ascend.
35.00	Top of spur projects N.
	Descend.
40.00	Set a sandstone,20x12x6 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.
61.00	Top of spur projects NE.
	Descend.
77.00	Bottom of hollow,300 ft.below top of spur,course NE.

SUBDIVISIONS OF T.9 S.,R.22 E.

CHAINS	
	Ascend.
80.02	The cor.of secs.9-10-15 and 16.
	Land,mountainous.
	Soil;rocky,third rate.
	No timber.
	Mountainous land and dense undergrowth on 80.02 chs.

	N.0°02'W.,bet.secs.9 and 10.
	Ascend along E.slope of rocky bluff,through dense shadscale and greasewood brush.
3.50	Top of ridge bears NE.and SW.
	Descend.
17.00	Bottom of ravine,100 ft.below top of ridge,course E.
	Ascend.
19.75	Top of spur projects E.
	Descend.
37.00	Bottom of hollow,250 ft.below top of spur ,course NW.
	Ascend.
40.00	Set a sandstone,26x4x4 ins.,19 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.
50.00	Top of spur projects W.
	Descend.
57.00	Bottom of hollow,150 below top of spur,course SW.
	Ascend.
64.00	Top of spur projects SW.
	Descend.
70.75	Bottom of hollow,50 ft.below top of spur,course SW.
71.00	Same hollow,course SE.
74.00	Same hollow,course SW.
	Ascend.
80.00	Set a sandstone,18x9x9 ins.,12 ins.in the ground,for cor.of secs.3-4-9 and 10,marked with 5 notches on the

SUBDIVISIONS OF T.9 S.,R.22 E.

CHAIN:

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;sandy and rocky,third rate.

No timber.

Mountainous land or dense undergrowth on 80.00 chs.

June 16:At this cor.,I set off 23°22'N.on the decl. arc;and at 12h 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.3 and 10.

40.00 Set temp.¼ sec.cor.

80.08 Intersect N.and S.line,9 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.

Descend over very rough and broken country.

5.00 Begin ascent.

36.00 Top of ridge bears NE.and S.

Descend.

40.04 Set a sandstone,16x7x7 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.

79.50 Bottom of hollow,50 ft.deep,course S.

Ascend over sandy rolling land,through dense artemisia.

80.08 The cor.of secs.3-4-9 and 10.

Land mountainous and rolling.

Soil;sandy and rocky,third rate.

No timber.

Mountainous land or dense undergrowth on 80.08 chs.

SUBDIVISIONS OF T.9 S.,R.22 E.

CHAINS	
	N.0°02'W.on a random line bet.secs.3 and 4.
40.00	Set temp.$\frac{1}{4}$ sec.cor.
79.96	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.
	Descend over rough broken land,through dense shadscale and greasewood brush.
15.00	Bottom of hollow,350 ft.below sec.cor.,course SE.
	Ascend.
19.50	Top of spur projects SE.
	Descend.
39.96	Set a sandstone,17x9x9 ins.,11 ins.in the ground,for $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on W.face;dig pits,18x18x12 ins., N.and S.of stone,3 ft.dist.;and raise a mound of earth,3$\frac{1}{2}$ ft.base,1$\frac{1}{2}$ ft.high,W.of cor.
45.00	Bottom of hollow,350 ft.below top of spur,course SW.
	Begin gradual ascent.
50.00	Begin gradual descent.
69.00	Bottom of same hollow,course S.15°E.
	Begin gradual ascent.
79.96	The cor.of secs.3-4-9 and 10.
	Land mountainous,and rolling.
	Soil;sandy.and rocky,third rate.
	No timber.
	Mountainous land or dense undergrowth on 79.96 chs.
	--------- June 16,1904.
	June 17:At 7h a.m.,l.m.t.,I set off 39°59'N.on the lat.arc;23°24'N.on the declarc;and determine a meridian with the solar at the cor.of secs.4-5-32 and 33,here to fore described,on the S.bdy.of the Tp.
	Thence I run

SUBDIVISIONS OF T.9 S., R.22 E.

CHAINS	
	N.0°03'W., bet.secs.32 and 33.
	Descend over rocky land.
2.00	Bottom of hollow, 100 ft. deep, course W.
	Begin abrupt ascent.
18.70	Top of spur projects W.
	Begin abrupt descent.
40.00	Set a sandstone, 18x8x5 ins., 12 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
	Pits impracticable.
46.00	Bottom of hollow, 100 ft. deep, course NE
	Ascend.
64.00	Top of rocky spur projects E.
	Descend.
70.00	Bottom of hollow, 150 ft. deep, course NW.
	Ascend.
74.00	Top of spur projects NW.
80.00	Set a sandstone, 20x8x6 ins., 15 ins. in the ground, for cor. of secs.28-29-32 and 33, marked with 4 notches on the E. and 1 notch on the S. 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, third rate.
	No timber.
	Mountainous land on 80.00 chs.

SUBDIVISIONS OF T. 9 S., R. 22 E.

CHAINS	
	S. 89°58'E. on a random line bet. secs. 28 and 33.
40.00	Set temp. ¼ sec. cor.
80.10	Intersect N. and S. line, 9 lks. S. of the cor. of secs. 27-28-33 and 34.
	Thence I run S. 89°58'W., on a true line b
	Bet. secs. 28 and 33.
	Descend over rocky land.
12.00	Bottom of hollow, 150 ft. deep, course NW.
	Begin abrupt ascent.
21.00	Top of spur projects N.
	Begin abrupt descent.
32.00	Bottom of hollow, 200 ft. deep, course N.
	Begin abrupt ascent.
40.05	Set a sandstone, 24x6x4 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.
49.00	Top of spur projects NW.
	Descend.
68.00	Bottom of hollow, 150 ft. deep, course N.
	Ascend.
72.00	Top of spur projects S.
	Descend.
75.00	Bottom of hollow, 150 ft. deep, course SE.
	Ascend.
80.10	The cor. of secs. 28-29-32 and 33.
	Land, mountainous.
	Soil: rocky, third rate,
	No timber.
	Mountainous land on 80.10 chs.

SUBDIVISIONS OF T.9 S.,R.22 E.

CHAINS	
	N.0°03'W.,bet.secs.28 and 29.
	Descend abruptly over rough mountainous land.
4.00	Bottom of hollow,150 ft.deep,course E.
	Begin abrupt ascent.
7.50	Top of spur projects E.
	Descend.
13.00	Bottom of hollow,150 ft.deep,course NE.
	Begin abrupt ascent.
37.00	Top of rocky spur projects E.
	Begin abrupt descent.
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.
46.00	Bottom of hollow,150 ft.deep,course E.
	Begin abrupt ascent.
50.00	Top of rocky spur projects E.
	Begin abrupt descent.
54.00	Bottom of hollow,100 ft.deep,course E.
	Ascend.
60.00	Top of spur projects E.
	Descend.
76.00	Bottom of hollow,100 ft.deep,course NE. Ascend.
80.00	On top of spur,projecting NE.,
[illegible]	Set a sandstone,15x10x8 ins.,10 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,third rate.
	No timber.
	Mountainous land on 80.00 chs.
	June 17:At this cor.,I set off 23°24'N.on the decl.arc; and at12h m.,l.m.t.,observe the sun on the meridian; the resulting lat.is 40°01'N.

SUBDIVISIONS OF T.9 S.,R.22 E.

CHAINS	
	N.89°58'E.on a random line bet.secs.21 and 28.
40.00	Set temp.¼ sec.cor.
80.06	Intersect N.and S.line,7 lks.N.of the cor.of secs. 21-22-27 and 28.
	Thence I run
	N.89°59'W.on a true line
	Bet.secs.21 and 28.
	Ascend along rough north slope of spur through dense artemisia.
28.00	Top of spur projects N.
	Descend over precipitous sandstone cliffs .
34.00	Enter bottom along White River,through scattering cottonwood timber.
40.00	Set a sandstone,16x8x4 ins.,11 ins.in the ground,for ¼ sec.cor.,marked ¼ on N.face;from which
	A cottonwood,8 ins.diam.,bears S.12°E.,12 lks.dist., marked ¼ S 28 BT.
	Acottonwood,8 ins.diam.,bears N.79°W.,21 lks.dist., marked ¼ S 21 B T.
41.00	To right bank White River,1.50 chs.wide,course NW.for 5 chs.;thence NE. Leave timber.
43.50	To left bank of White River.
	Over level bottom land.
45.00	Begin abrupt ascent,bearingNW.and SE.
53.00	Top of abrupt ascent.
	Ascend.
80.06	The cor.of secs.20-21-28 and 29.
	Land,mountainous.
	Soil;rocky,third rate.
	Timber,cottonwood.
	Mountainous land and dense undergrowth on 80.06 chs.

SUBDIVISIONS OF T.9 S.,R.22 E.

CHAINS	
	N.0°03'W.,bet.secs.20 and 21.
	Over rocky land descend abruptly.
10.00	Enter river bottom.
26.10	To left bank of White River,1.50 chs.wide,course W.
27.60	To right bank of White River.
	Enter heavy cottonwood timber,bearing E.and W.
36.50	Leave timber.
	Begin abrupt ascent bearing E.and W.
40.00	Set a sandstone,24x8x3 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.
66.00	Top of rocky spur projects W.
	Descend.
70.50	Bottom of hollow,100 ft.deep,course W. Ascend.
76.00	Top of ridge bears NW.and SE.
	Descend.
80.00	Set a sandstone,20x8x6 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 and sandy,third rate.
	Timber,cottonwood.
	Mountainous or heavily timbered land on 80.00 chs.

	S.89°59'E.on a random line bet.secs.16 and 21.
40.00	Set temp.¼ sec.cor.
79.94	Intersect N.and S.line,3 lks.S.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 rough mountainous land.

SUBDIVISIONS OF T.9 S.,R.22 E.

CHAINS	
25.00	Bottom of hollow, 150 ft. deep, course N.
	Descend.
39.97	Set a sandstone, 16x6x5 ins., 11 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
	Pits impracticable.
46.00	Top of spur projects N.
	Descend.
50.00	Head of hollow, course N.
	Begin abrupt ascent.
54.00	Top of spur projects N.
	Begin abrupt descent.
58.00	Bottom of hollow, 200 ft. deep, course N.E.
	Begin ascent.
65.00	Top of spur projects N.
	Begin abrupt descent.
78.00	Bottom of hollow, 100 ft. below top of spur, course N.
	Ascend.
79.94	The cor. of secs. 16-17-20 and 21.
	Land, mountainous.
	Soil; rocky, third rate.
	No timber.
	Mountainous land on 79.94 chs.

June 17, 1904.

June 18: At 7h a.m., l.m.t., I set off 40°02'N. on the lat. arc; 23°26'N. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 16-17-20 and 21.

Thence I run

SUBDIVISIONS OF T.9 S., R.22 E.

CHAINS.	
	N.0°03'W., bet.secs.16 and 17.
	Descend over broken rocky land through dense artemisia.
40.00	Set a trachyte stone, 24x8x4 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.
51.25	Wagon Road to Ouray Agency, bears E. and W.
80.00	Set a sandstone, 18x9x8 ins., 12 ins. in the ground, for cor. of secs.8-9-16 and 17, marked with 4 notches on the S. and E. edges; dig pits, 18x18x12 ins. in each sec., $5\frac{1}{2}$ ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, W. of cor.
	Land rolling.
	Soil; rocky and sandy, third rate.
	No timber.
	Dense undergrowth on 80.00 chs.

	East on a random line bet.secs.9 and 16.
40.00	Set temp. $\frac{1}{4}$ sec.cor.
80.02	Intersect N. and S. line, 7 lks. N. of the cor. of secs. 9-10-15 and 16.
	Thence I run
	N.89°57'W. on a true line
	Bet.secs.9 and 16.
	Ascend abruptly over rough mountainous land, through dense artemisia.
1.00	Top of spur projects N.
	Descend.
8.10	Head of hollow, course SW. Ascend.
	Thence along S. slope of mountain.
17.50	Top of ridge bears E. and W.
	Descend along top of ridge.
40.01	Set a sandstone, 14x10x5 ins., 9 ins. in the ground, for $\frac{1}{4}$ sec.cor., marked $\frac{1}{4}$ on N. face; and raise a mound of

SUBDIVISIONS OF T.9 S.,R.22 E.

CHAINS	
	stone,2 ft.base,1½ ft.high,N.of cor.
	Pits impracticable.
43.00	Top of spur projects NW.
	Descend.
79.00	Bottom of hollow,100 ft.deep,course NW.
	Ascend.
80.02	The cor.of secs.8-9-16 and 17.
	Land mountainous.
	Soil;rocky and sandy third rate.
	No timber.
	Mountainous land and dense undergrowth on 80.02 chs.

	N.0°03'W.,bet.secs.8 and 9.
	Descend over sandy land.
0.35	Bottom of hollow,100 ft.deep,course W.
	Ascend.
10.50	Top of ridge bears E.and W.
	Begin abrupt descent.
26.25	Enter level land in bottom of broad hollow,course W.
	Enter dense greasewood brush.
40.00	Set a sandstone,28x5x5 ins.,21 ins.in the ground, for ¼ sec.cor.,marked ¼ on W.face;dig pits,18x18x12 ins.N.&S.of stone,3 ft.dist.;and raise a mound of earth,3½ ft.base,1½ ft.high,W.of cor.
71.00	Leave bottom of hollow,course W.
	Ascend.
74.00	Top of spur projects W.
	Descend.
78.50	Foot of descent bears NE.and SW.
	Over level land.
80.00	Set a sandstone,18x12x4 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;dig pits,18x18x12 ins.in each sec.,5 ½ ft.dist.;and raise a mound of

SUBDIVISIONS OF T.9 S., R.22 E.

CHAINS	
	earth, 4 ft. base, 2 ft. high, W. of cor.
	Land, mountainous and level.
	Soil; rocky and sandy, third rate.
	Mountainous land or dense undergrowth on 80.00 chs.
	June 18: At this cor., I set off 23°25'N. on the decl. arc; and at 12h 01m p.m., l.m.t., observe the sun on the meridian; the resulting lat. is 40°03'N.

	S.89°57'E. on a random line bet. secs. 4 and 9.
40.00	Set temp. ¼ sec. cor.
80.06	Intersect N. and S. line, 5 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.
	Ascend through dense shadscale and greasewood brush.
26.00	Top of ridge bears NE. and SW.
	Descend.
40.03	Set a sandstone, 18x12x4 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.
55.00	Bottom of hollow, 100 ft. deep, course SW.
	Ascend.
67.00	Top of ridge bears NE. and SW.
	Descend.
71.00	Enter level land, bearing NE. and SW.
80.06	The cor. of secs. 4-5-8 and 9.
	Land mountainous and level.
	Soil; rocky and sandy; third rate. No timber. Mountainous land or dense undergrowth on 80.06 chs.

SUBDIVISIONS OF T.9 S.,R.22 E.

CHAINS.	
	N.0°03'W.on a random line bet.secs.4 and 5.
40.00	Set temp.$\frac{1}{4}$ sec.cor.
80.61	Intersect N.bdy.of the Tp.,21 lks.W.of the cor.of secs. 4-5-32 and 33,heretofore described.
	Thence I run
	S.0°06'W.on a true line
	Bet.secs.4 and 5.
	Over sandy land descend through dense artemisia.
40.61	Set a sandstone,20x12x4 ins.,15 ins.in the ground,for $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on W.face;dig pits,18x18x12 ins. N.and S.of stone,3 ft.dist.;and raise a mound of earth,3$\frac{1}{2}$ ft.base,1$\frac{1}{2}$ ft.high,W.of cor.
80.61	The cor.of secs.4-5-8 and 9.
	Land rolling.
	Soil;sandy,third rate.
	No timber.
	Dense undergrowth on 80.61 chs.
	June 18,1904.

June 19:At 7h a.m.,l.mt.,I set off 39°59'N.on lat.arc;23°27' on the decl.arc;and determine a meridian with the solar at the cor.of secs.5-6-31 and 32,on the S.bdy.of the Tp. heretofore described. Thence I run

N.0°03'W.,bet.secs.31 and 32.

	Ascend over rocky land.
8.00	Top of ridge bears E.and W.
	Descend over broken mountainous land.
40.00	In bottom of hollow,100 ft.deep,course NE.
	Set a trachyte stone,28x10x5 ins.,21 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. Ascend.
47.50	Top of ridge bears NE.and SW.

SUBDIVISIONS OF T.9 S.,R.22 E.

CHAINS	
	Descend.
80.00	Set a sandstone,18x8x6 ins.,12 ins.in the ground,for cor.of secs.29-30-31 and 32,marked with 5 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,third rate.
	No timber.
	Mountainous land on 80.00 chs.
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	S.89°58'E.on a random line bet.secs.29 and 32.
40.00	Set temp.¼ sec.cor.
80.06	Intersect N.and S.line,7 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.
	Descend abruptly over rocky land.
5.00	Bottom of hollow,150 ft.deep,course N.
	Ascend over broken land.
40.03	On top of ridge,bearing N.and S.,
	Set a sandstone,20x10x6 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. Descend.
60.00	Bottom of hollow,150 ft.deep,course NE.
	Ascend.
75.00	Top of spur projects N.
	Descend.
80.06	The cor.of secs.29-30-31 and 32.
	Land,mountainous.
	Soil;rocky,third rate.
	No timber.

SUBDIVISIONS OF T.9 S.,R.22 E.

CHAINS	
	Mountainous land on 80.06 chs.

	N.89°58'W. on a random line bet. secs.30 and 31.
40.00	Set temp. ¼ sec. cor.
73.98	Intersect the W. bdy. of Tp., 12 lks. N. of the cor. of secs.25-30-31 and 36, heretofore described.
	Thence I run
	N.89°57'E. on a true line
	Bet. secs.30 and 31.
	Descend abruptly over broken rocky land.
30.50	Enter bottom of "Nashio's Draw", 250 ft. deep, course NE.
	Over level land through dense greasewood brush.
33.98	Set a sandstone, 20x10x4 ins., 15 ins. in the ground, for ¼ sec. cor., marked ¼ on N. face; and raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.
	Pits impracticable.
35.00	Leave bottom of draw. Leave undergrowth.
	Begin abrupt ascent over broken rocky land.
73.98	The cor. of secs.29-30-31 and 32.
	Land mountainous and level.
	Soil; rocky and sandy, third rate.
	No timber.
	Mountainous land or dense undergrowth on 73.98 chs.
	June 19: At this cor., I set off 23°26'N. on the decl. arc; and at 12h 01m p.m., l.m.t., observe the sun on the meridian; the resulting lat. is 40°00'N.

	N.0°03'W., bet. secs.29 and 30.
	Descend abruptly over rocky broken land.
38.00	Foot of abrupt descent.
	Enter bottom of "Nashio's Draw", 250 ft. deep, course NE.
	Over level land through dense greasewood brush.
40.00	Set a sandstone, 26x8x5 ins., 20 ins. in the ground, for ¼ sec. cor., marked ¼ on W. face; and raise a mound of

SUBDIVISIONS OF T.9 S., R.22 E.

CHAINS	
	stone, 2 ft. base, 1½ ft. high, W. of cor.
	Pits impracticable.
47.00	Leave bottom of draw. Begin abrupt ascent.
	Leave dense undergrowth.
54.25	Top of rocky spur projects NE.
	Begin abrupt descent.
56.50	Bottom of hollow, 150 ft. deep, course NE.
	Begin abrupt ascent.
65.50	Top of spur projects E.
	Begin abrupt descent.
71.00	Bottom of hollow, 150 ft. deep, course E.
	Begin abrupt ascent.
80.00	Set a trachyte stone, 18x10x5 ins., 12 ins. in the ground, for cor. of secs. 19-20-29 and 30, marked with 2 notches on the S. and 5 notches on the E. edge; and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
	Pits impracticable.
	Land, mountainous and level.
	Soil; rocky, third and fourth rate.
	No timber.
	Mountainous land or 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. S. of the cor. of secs. 20-21-28 and 29.
	Thence I run
	S. 89°57'W. on a true line
	Bet. secs. 20 and 29.
	Descend over rocky land.
14.00	Bottom of hollow, 100 ft. deep, course NW.
	Ascend.
32.00	Top of spur projects NW.
	Descend.

SUBDIVISIONS OF T.9 S.,R.22 E.

CHAINS	
40.04	Set a sandstone,28x6x4 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.
55.00	Enter bottom of "Nashio's Draw",250 ft.deep,course NE.
	Over level land through dense greasewood brush.
62.00	Leave bottom of draw.
	Leave undergrowth.
80.08	The cor.of secs.19-20-29 and 30.
	Land mountainous and level.
	Soil;rocky and sandy,3rd and 4th rate.
	No timber.
	Mountainous land or dense undergrowth on 80.08 chs.

	S.89°57'W.on a random line bet.secs.19 and 30.
40.00	Set temp.¼ sec.cor.
73.88	Intersect W.bdy.of the Tp.,5 lks.S.of the cor.of secs.19-24-25 and 30,heretofore described.
	Thence I run
	N.89°59'E.on a true line
	Bet.secs.19 and 30.
	Over sandy land ascend through dense artemisia.
33.88	Set a sandstone,14x10x6 ins.,9 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.
58.00	Top of ridge bears NE.and SW.
	Descend over broken rocky land.
73.88	The cor.of secs.19-20-29 and 30.
	Land mountainous.
	Soil;rocky and sandy,3rd and 4th rate.
	No timber.
	Mountainous land and dense undergrowth on 73.88 chs.

SUBDIVISIONS OF T. 9 S., R. 22 E.

Chains.	
	N.0°03'W.bet.secs.19 and 20
	Ascending abruptly over rocky land.
9.50	Top of rocky spur projects E.
	Begin abrupt descent.
20.00	Begin more gradual descent.
40.00	Set a sandstone 20x6x6 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.
54.00	Bottom of hollow,150 ft.deep,course NE. Ascend.
59.00	Top of rocky spur projects NE.
	Descend.
63.00	Bottom of hollow 100 ft.deep,course NE. Ascend.
66.00	Top of rocky spur projects NE. Descend.
76.00	Bottom of hollow, 150 ft.deep. course E.
	Ascend.
80.00	Set a sandstone 18x10x5 ins.12 ins.in the ground for cor. to secs.17, 18, 19, and 20, marked with 3 notches on S. and 5 notches on E.edge; and raise a mound of stone 2 ft. base 1½ ft.high W. of cor.
	Pits impracticable.
	Land mountainous.
	Soil rocky; 3d rate.
	No timber.
	Mountainous land on 80.00 chs.
	N.89°57'E.on a random line bet.secs.17 and 20
40.00	Set temp.¼ sec.cor.
80.18	Intersect N.and S.line 16 lks.N.of the cor.of secs.16, 17,20, and 21; Thence I run
	N.89°56'W.on a true line bet.secs.17 and 20
	Ascending over mountainous land.
5. 00	Top of spur projects NW..

SUBDIVISIONS OF T.9 S., R. 22 E.

Chains	
	Begin abrupt descent.
37.00	Foot of abrupt descent; Enter bottom along White River bearing NW. and SE., over level land.
	Enter scattering cottonwood timber and dense artemisia.
40.09	Set a sandstone 18x12x6 ins., 12 ins in the ground, for ¼ sec.cor.,marked ¼ on N.face; from which
	A cottonwood 8 ins.diam.bears N.74°W., 70 lks.dist. marked ¼ S 17 B T
	A cottonwood 18 ins.diam.bears S.30°E. 30 lks.dist. marked ¼ S 20 B T
41.50	To right bank of White River, 1.60 chs.wide,course NW.
43.75	To left bank of White River.
49.00	Leave timber.
53.00	Leave river bottom bearing N. and S.
	Ascend over rocky land. Leave dense undergrowth.
80.18	The cor.of secs.17,18,19, and 20.
	Land mountainous or level.
	Soil sandy or rocky; third rate.
	Timber cottonwood.
	Mountainous land or dense undergrowth on 80.18 chs.

S.89°59'W. on a random line bet.secs.18 and 19

40.00	Set temp.¼ sec.cor.
73.80	Intersect W .bdy.of the Tp. 14 lks.S.of the cor.of secs. 13,18,19, and 24, heretofore described.
	Thence I run
	S.89°55'E.on a true line bet.secs.18 and 19
	Ascend over rocky broken land;through dense artemisia.
33.80	Set a sandstone 18x8x5 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.
40.00	Top of ridge bears NW. and SE.
	Descend.

SUBDIVISIONS OF T.9 S., R.22 E.

CHAINS	
73.80	The cor. of secs. 17-18-19 and 20.
	Land mountainous.
	Soil; rocky, third rate.
	No timber.
	Mountainous land and dense undergrowth on 73.80 chs. June 19, 1904.
	June 20: At 7h a.m., l.m.t., I set off 40°01'N. on the lat. arc; 23°28'N. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 17-18-19 and 20
	Thence I run N.0°03'W., bet. secs. 17 and 18.
	Ascend abruptly over rocky land.
25.00	Top of Spur projects NE.
	Begin abrupt descent.
36.50	To left bank of White River, 1.50 chs. wide, course W.
38.00	To right bank of White River. Over level land.
	Enter dense artemisia and scattering cottonwood timber.
40.00	Set a sandstone, 30x10x4 ins., 22 ins. in the ground, for ¼ sec. cor., marked ¼ on W. face; from which
	Cottonwood, 15 ins. diam., bears S.29°E., 18 lks. dist., marked ¼ S 17 B T.
	Cottonwood, 12 ins. diam., bears S.74°W., 40 lks. dist., marked ¼ S 18 B T.
56.00	Leave river bottom, bearing E. and W.
	Leave timber and undergrowth.
67.50	Pole fence, belonging to Pahwitch, an Indian, bears E. and W.
80.00	Set a sandstone, 18x9x4 ins.; 12 ins. in the ground, for cor. of secs. 7-8-17 and 18, marked with 5 notches on the E. and 4 notches on the S. edge; 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 level.
	Soil; sandy and rocky, third rate.
	Timber, cottonwood.
	Mountainous land or dense undergrowth on 80.00 chs.

SUBDIVISIONS OF T.9 S.,R.22 E.

CHAINS	
	S.89°58'E.on a random line bet.secs.8 and 17.
40.00	Set temp.$\frac{1}{4}$ sec.cor.
80.06	Intersect N.and S.line,15 lks.S.of the cor.of secs. 8-9-16 and 17.
	Thence I run
	S.89°58'W.,bet.secs.8 and 17.
	Descend through dense artemisia.
16.00	Bottom of hollow,100 ft.deep,course SW.
	Ascend.
23.00	Wagon Road to Ouray Agency bears N.and S.
34.00	Top of spur projects S.
	Descend.
40.03	Set a sandstone,18x10x6 ins.,12 ins.in the ground, for $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on N.face;and raise a mound of stone,2 ft.base,1$\frac{1}{2}$ ft.high,N.of cor.
	Pits impracticable.
47.10	Pole fence,belonging to Pahwitch,an Indian,bears NW.and SE.
61.50	Bottom of hollow,100 ft.deep,course S..
	Ascend.
62.50	Same pole fence bears NE.and SW.
74.00	Top of spur projects S.
	Descend.
80.06	The cor.of secs.7-8-17 and 18.
	Land mountainous.
	Soil;rocky,third rate.
	No timber.
	Mountainous land and dense undergrowth on 80.06 chs.

	N.89°55'W.on a random line bet.secs.7 and 18.
40.00	Set temp.$\frac{1}{4}$ sec.cor.
73.69	Intersect W.bdy.of the Tp.,16 lks.N.of the cor.of secs.7-12-13 and 18,heretofore described.
	Thence I run

SUBDIVISIONS OF T.9 S.,R.22 E.

CHAINS	
	N.89°58'E. on a true line
	Bet.secs.7 and 18.
	Over rocky land descend abruptly.
11.00	To left bank of White River, 1.60 chs. wide, course N.
12.60	To right bank of White River. Enter
	level bottom lands through dense greasewood brush.
33.69	Set a sandstone, 20x8x4 ins., 15 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.
41.50	Leave river bottom.
	Ascend over broken rocky land.
73.69	The cor. of secs.7-8-17 and 18.
	Land, mountainous, and level. Soil; rocky and sandy 3rd
	rate. No timber. Mountainous land or dense undergrowth
	73.69 chs.
	June 20: At this cor., I set off 23°27'N. on the decl. arc;
	and at 12h 01m p.m., l.m.t., observe the sun on the mer-
	idian; the resulting lat. is 40°03'N.
	N.0°03'W., bet.secs.7 and 8.
	Ascend over sandy land through dense artemisia.
28.00	Top of spur projects W.
	Descend.
38.00	Enter bottom of broad hollow, course SW.
	Over level land.
40.00	Set a sandstone, 18x10x6 ins., 12 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.
45.70	Road to Ouray. E. and W.
58.00	Wash, 1.00 chs. wide; 8 ft. deep, course SW.
71.00	Leave bottom of hollow, course SW.
	Ascend.
80.00	Set a sandstone, 24x12x3 ins., 18 ins. in the ground, for
	cor. of secs.5-6-7 and 8, marked with 5 notches on

SUBDIVISIONS OF T.9 S.,R.22 E.

CHAINS	
	S.and E.edges;dig pits,18x18x12 ins.,in each sec.,5½ ft.dist.;and raise a mound of earth,4 ft.base,2 ft.high, W.of cor.
	Land mountainous and level.
	Soil;sandy,third rate .
	No timber.
	Mountainous land or dense undergrowth on 80.00 chs.

	N.89°58'E.on a random line bet.secs.5 and 8.
40.00	Set temp.¼ sec.cor.
80.08	Intersect N.and S.line,3 lks.S.of the cor.of secs. 4-5-8 and 9.
	Thence I run
	S.89°57'W.on a true line
	Bet.secs.5 and 8.
	Over level land through dense greasewood brush.
21.00	Wagon Road to Ouray AGENCY bears N.and S.
36.00	Leave level land bearing NE.and SW.
	Ascend.
40.04	Set a sandstone,20x10x8 ins.,15 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.
65.00	Top of ridge bears N .and S .
	Descend.
80.08	The cor.of secs.-5-6-7 and 8.
	Land rolling and level.
	Soil;sandy,third rate.
	No timber.
	Dense undergrowth on 80.08 chs.

	S.89°58'W.on a random line bet.secs.6 and 7.
40.00	Set temp.¼ sec.cor.
73.61	Intersect W.bdy.of Tp.,9 lks.S.of the cor.of secs.

SUBDIVISIONS OF T.9 S.,R.22 E.

CHAINS	
	1-6-7 and 12, heretofore described.
	Thence I run
	S.89°58'E. on a true line
	Bet. secs. 6 and 7.
	Over rocky land descend through dense artemisia.
4.00	Enter bottom along White River, over level land through dense greasewood brush.
9.60	To left bank of White River, 1.55 chs. wide, course N.
11.15	To right bank of White River.
33.61	Set a sandstone, 18x10x8 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.
37.50	Wagon road to Ouray Agency bears NW. and SE.
50.50	Leave bottom land, bearing NW. and SE.
	Ascend over gravelly land, through dense artemisia.
73.61	The cor. of secs. 5-6-7 and 8.
	Land rolling and level.
	Soil; sandy and rocky, third rate.
	No timber.
	Dense undergrowth on 73.61 chs.

	N.0°03'W. on a random line bet. secs. 5 and 6.
40.00	Set temp. ¼ sec. cor.
81.28	Intersect N. bdy. of the Tp., 35 lks. W. of the cor. of secs. 5-6-31 and 32, heretofore described.
	Thence I run
	S.0°12'W., bet. secs. 5 and 6.
	Over level bottom land through dense greasewood brush.
41.28	Set a sandstone, 18x12x4 ins., 12 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.
46.75	Leave bottom land, bearing E. and W.

SUBDIVISIONS OF T.9 S., R.22 E.

CHAINS	
	Begin abrupt ascent.
52.50	Top of spur projects W.
	Descend.
81.28	The cor. of secs. 5-6-7-8.
	Land rolling and level.
	Soil; rocky and sandy, third rate; level land, 46.75 chs., 2nd rate. No timber.
	Dense undergrowth on 81.28 chs.

June 20, 1904.

GENERAL DESCRIPTION.

This township contains all mountainous land, badly broken and cut by many ravines, gulches and hollows.

The soil is mostly rocky of a sandstone formation, unfit for agricultural purposes, or for grazing of stock, and very little vegetation is found.

The only water found in this township is White River, averaging 1.50 chs. in width, and about 3 ft. deep, which flows through the township from southeast to northwest corner, cutting the formation at an average depth of 500 feet; it is therefore impossible to use the river for irrigation purposes.

The only timber in this township is a few scattering cottonwoods along White River.

The only settler in this township is an Indian, by name Pahwitch, who owns a ranch in secs. 7, 8, 17, and 18.

There are no indications of mineral in this township.

Harvey L. Flint
U. S. Deputy Surveyor

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

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

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

king the lines and corners described in the foregoing field notes of the survey of .....

.....

ving 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

se parts or portions of the .....

.....

.....

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

..... meridian, ... of ....., which are represented

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

neral for .....

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

....., *Chainman.*

....., *Moundman.*

....., *Moundman.*

....., *Axman.*

....., *Axman.*

....., *Flagman.*

.....

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

SEAL

.....

.....

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FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

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

For final affidavit see book "Z12" T.12 S.R.24 E.

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

.....
United States Deputy Surv...

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

SEAL

.....

.....

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, May 27, 1905

The foregoing field notes of the survey of the Subdivisional lines of Township No.9 South, Range No.22 East of the Salt Lake Base and Meridian, Uta...

executed by Alfredo R. Talamantes and Harvey D. Hoist, U.S. Deputy Surveyo... under their contract No. 285, dated April 12, 1904, ..., 189 , having be... critically examined, and the necessary corrections and explanations made, the said field notes, and ... surveys they describe, are hereby approved.

Edward H. Anderson
United States Surveyor Gen...

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

.....
United States Surveyor Gene...

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4-679.

FILED
JUL 30 1904

BOOK A-324

FIELD NOTES

OF THE RESURVEY OF THE

WEST BOUNDARY

of

Township NO.10 South,

Range No.22 East.

Of the Salt Lake Base and *Meridian,*

In the State of Utah.

AS SURVEYED BY

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

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

Survey commenced June 20, 1904. *189*

Survey completed June 21, 1904. *189*

Sign 6.10.58

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NAMES AND DUTIES OF ASSISTANTS.

Earl Woolley,	Chainmen.
Heber Christensen,	"
Andrew Stumpf	Moundman.
Edward J. Beaird	Axman.
John A. Heely,	Flagman.

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

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BOOK A-324

INDEX DIAGRAM.

Township 10 S., *Range* 22 E.

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

Meanders Page

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PRELIMINARY OATHS OF ASSISTANTS.

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

.....

....., *Chainm*

....., *Chainm*

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

SEAL

.....

.....

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

.....

....., *Moundm*

....., *Moundm*

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

SEAL

.....

.....

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

.....

....., *Axman*

....., *Axma*

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

SEAL

.....

.....

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

.....

....., *Flagman*

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

SEAL

.....

.....

RESURVEY OF W.BDY.OF T.10 S.,R.22 E.

CHAINS

Preliminary to running the south and east boundaries of this township, I retrace the west bdy. I proceed as follows:

Survey commenced June 20, 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 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. 21 and 22 E., which is a sandstone, 12x10x8 ins. above ground, marked as described by the surveyor general, on the Second Standard Parallel South; latitude, 39°53'53"N.; longitude, 109°31'46"W.; I set off 39°54'N. on the lat. arc; 23°27'N. on the decl. arc; and, at 4h p.m., l.m.t., determine with the solar a meridian and mark a point thereof, on a stone firmly set in the ground, 5 chs. N. of the cor.

June 20, 1904.

June 21: At 1h 28m a.m. l.m.t., I observe Polaris at eastern elongation, in accordance with the Manual of Instructions, and mark a point in the line thus determined, on a peg driven in the ground, 5 chs. N. of my station.

At 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 0.4 ins. east of the mark determined by the solar.

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

RESURVEY OF W.bdy.of T.10 S.,R.22 E.

CHAINS	
	23°28'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 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 7h 30 m a.m.,is N.16°18'W.;the angle thus determined gives the magnetic decl.16°18'E.
	From the standard Tp.cor.,already described,I run North,retracing bet.secs.31 and 36. At 40.00 chs., no trace can be found of the ¼sec.cor.,and at 80.00 chs.,no trace can be found of cor.to secs. 25-30-31 and 36. I continue the line,finding no trace of any corner,until at 480.58 chs.,the cor.of Tps.9 and 10 S.,Rs.21 and 22 E.,heretofore described, bears west,2.70 chs.dist.;the course of this line is therefore N.0°19'W.,and the proportionate dist.for each mile for the first 5 miles from the S.bdy. is 79.91 chs., the last mile,81.03 chs.
	I therefore proceed to re-establish the missing cors.as follows:
	I begin at the cor.of Tps.9 and 10 S.,Rs.21 and 22 E.,and run
	S.0°19'E.,resurveying bet.secs.1 and 6.
	Ascend over rocky land.
2.25	Top of rocky spur projects E.
	Descend.
8.00	Bottom of hollow,100 ft.deep,course E.
	Ascend.

RESURVEY OF WEST BDY. OF T.10 S., R.22 E.

CHAINS	
15.00	Top of spur projects E.
	Begin abrupt descent.
19.00	Enter bottom of Nashio's Draw, 200 ft. deep, course NE.
	Enter dense greasewood brush.
	Descend gradually along bottom of draw.
38.00	Leave bottom of draw.
41.03	Set a sandstone, 20x12x8 ins., 15 ins. in the ground, for re-established $\frac{1}{4}$ 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. After diligent search no trace can be found of old $\frac{1}{4}$ sec. cor.
51.00	Top of spur projects NW. Descend.
55.50	Bottom of hollow, 150 ft. deep, course NW.
	Begin abrupt ascent.
68.00	Top of spur projects NW.
	Descend.
74.00	Bottom of holow, 100 ft. deep, course NW.
	Ascend.
81.03	Set a sandstone, 24x12x8 ins., 18 ins. in the ground, for re-established cor. of secs. 1-6-7 and 12, marked with 1 notch on the N. and 5 notches on the S. edge; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
	Pits impracticable.
	After diligent search, no trace can be found of old sec. cor.
	Land, mountainous.
	Soil; rocky, and sandy, 3rd rate.
	No timber.
	Mountainous land or dense undergrowth on 81.03 chs.
	June 21: At this cor., I set-off 23°27'N. on the decl. arc; and at 12h 02m p.m., l.m.t., observe the sun on the meridian; the resulting lat. is 39°58'N.

S.01 9'E., bet. secs. 7 and 12.

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RESURVEY OF WEST BDY. OF T. 10 S., R. 22 E.

CHAINS	
	Ascend over rocky land.
3.00	Top of rocky spur projects NW.
	Descend.
9.00	Bottom of hollow, 150 ft. deep, course NW.
	Begin abrupt ascent.
23.00	Top of spur projects NW.
	Begin abrupt descent.
39.00	Bottom of hollow, 100 ft. deep, course W.
	Ascend.
39.95½	Set a sandstone, 20x8x6 ins., 15 ins. in the ground, for re-established 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.
	After diligent search no trace can be found of the old ¼ sec. cor.
55.00	Top of spur projects W.
	Begin abrupt descent.
66.00	Enter bottom of Nashio's Draw, 200 ft. deep, course NW.
	Over level land through dense greasewood brush.
78.00	Leave bottom of draw.
	Leave greasewood brush.
	Ascend.
79.91	Set a sandstone, 24x6x5 ins., 18 ins. in the ground, for re-established cor. of secs. 7-12-13 and 18, marked with 2 notches on the N. and 4 notches on the S. edge; and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
	Pits impracticable.
	After diligent search no trace can be found of old sec. cor.
	Land, mountainous and level.
	Soil; sandy and rocky, 3rd and 4th rate.
	No timber.
	Mountainous land or dense undergrowth on 79.91 chs.

RESURVEY OF WEST BDY. OF T.10 S., R.22 E.

CHAINS	
	S.0°19'E., bet. secs. 13 and 18.
	Ascend over rocky land.
5.50	Top of spur projects E.
	Begin abrupt descent.
12.50	Enter bottom of Nashio's Draw, 200 ft. deep, course NE.
	Over level land, through dense artemisia.
27.50	Leave bottom of draw. Leave dense undergrowth.
	Ascend.
30.00	Top of spur projects W.
	Begin abrupt descent.
32.00	Bottom of hollow, 100 ft. deep, course W.
	Begin abrupt ascent.
39.95½	Set a sandstone, 24x8x5 ins., 18 ins. in the ground, for re-established 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.
	After diligent search, no trace can be found of the old ¼ sec. cor.
50.25	Top of rocky spur projects NW.
	Begin abrupt descent.
56.75	Bottom of hollow, 150 ft. deep, course NW.
	Begin abrupt ascent.
79.00	Top of rocky spur projects SW.
	Descend.
79.91	Set a sandstone, 24x8x5 ins., 18 ins. in the ground, for re-established cor. of secs. 13-18-19 and 24, marked with 3 notches on the N. and S. edges; and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
	Pits impracticable.
	After diligent search no trace can be found of the old sec. cor.
	Land, mountainous.
	Soil; rocky and sandy, 3rd and 4th rate.
	No timber.

RESURVEY OF W.BDY.OF T.10 S.,R.22 E.

CHAINS	
	Mountainous land or dense undergrowth on 79.91 chs.

	S.0°19'E.,bet.secs.19 and 24.
	Over rocky land descend abruptly.
14.00	Bottom of hollow,150 ft.deep,course W.
	Ascend.
34.00	Top of spur projects NE.
	Descend.
37.50	Bottom of holow,100 ft.deep,course NE.
	Ascend.
39.95½	Set a sandstone,28x10x6 ins.,21 ins.in the ground,for re-established 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. After diligent serach,no trace can be found of the old ¼ sec.cor.
45.50	Top of ridge bears E.and W.
	Begin abrupt descent.
67.75	Bottom of hollow,150 ft.deep,course W.
	Begin abrupt ascent.
76.00	Top of spur projects W.
	Descend.
79.91	Set a sandstone,22x10x4 ins.,16 ins.in the ground,for re-established cor.of secs.19-24-25 and 30,marked with 4 notches on the N.and 2 notches on the S.edge;and raise a mound of stone,2 ft.base,1½ ft.high,W.of cor. Pits impracticable. After diligent search,no trace can be found of old sec. cor. Land,mountainous. Soil;rocky,4th rate. No timber. Mountainous land on 79.91 chs.

RESURVEY OF W.BDY.OF T.10 S.,R.22 E.

CHAINS	
	S.0°19'E.,bet.secs.25 and 30.
	Descend over rocky land.
1.25	Bottom of hollow,100 ft.deep,course W.
	Ascend.
21.50	Top of rocky spur projects W.
	Descend.
36.50	Bottom of hollow,100 ft.deep,course W.
	Ascend.
39.95½	Set a sandstone,20x10x8 ins.,15 ins.in the ground, for re-established ¼sec.cor.,marked ¼ on W.face;and raise a mound of stone,2 ft.base,1½ ft.high,W.of cor. After diligent search,no trace can be found of old ¼ sec. cor.
41.50	Top of spur projects W. Begin abrupt descent.
58.50	Bottom of hollow,150 ft.deep,course W.
	Begin abrupt ascent.
78.00	Top of spur projects W.
	Begin abrupt descent.
79.91	Set a sandstone,28x6x6 ins.,21 ins.in the ground, for re-established cor.of secs.25-30-31 and 36, marked with 5 notches on the N.and 1 notch on the S. edge;and raise a mound of stone,2 ft.base,1½ ft.high, W.of cor.
	Pits impracticable.
	After diligent search,no trace can be found of old sec.cor.
	Land,mountainous.
	Soil;rocky,4th rate.
	No timber.
	Mountainous land on 79.91 chs.

	S.0°19'E.,bet.secs.31 and 36.
	Descend abruptly over rocky land.
10.00	Bottom of hollow,150 ft.deep,course NE.to NW.
	Ascend.

RESURVEY OF W.BDY.OF T.10 S.,R.22 E.

CHAINS	
19.50	Top of spur projects W.
	Descend.
22.25	Bottom of same hollow, 150 ft.deep, course NW.
	Begin abrupt ascent.
39.95½	Set a sandstone, 24x10x4 ins., 18 ins.in the ground, for re-established 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. After diligent search, no trace can be found of old ¼ sec.cor.
65.00	Top of rocky spur projects E. Descend.
79.91	The standard cor.of Tp.10 S., Rs.21 and 22 E., heretofore described.
	Land mountainous.
	Soil; rocky, 4th rate.
	No timber.
	Mountainous land on 79.91 chs.

June 21, 1904.

For general description see notes of Subdivision of this Township.

Harry H. Hirst
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 Harvey D. Heist, ..., United States Deputy Surveyor, to assist in running, measuring, and ...king the lines and corners described in the foregoing field notes of the re-survey of ..... and S. bdys. of T. 9 S., R. 21 E.; N. bdy. of T. 9 S., R. 22 E.; W. bdy. of ...10 S., R. 22 E. of the Salt Lake Base and Meridian, Utah; ...wing the respective capacities in which they acted:

...arl Woolley, ..., *Chainman.*

...eber Christensen, ..., *Chainman.*

...ndrew Stumpf ....., *Moundman.*

....., *Moundman.*

...dward J. Beaird, ..., *Axman.*

....., *Axman.*

...ohn A. Neely, ..., *Flagman.*

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted Harvey D. Heist, ..., United States Deputy Surveyor, in re-surveying all ...ose parts or portions of the N. and S. bdys. of T. 9 S., R. 21 E.; N. bdy. of T. 9 S., R. 22 E.; and W. bdy. of T. 10 S., R. 22 E. ..... of the Salt Lake ...ase & ..... meridian, in the state of Utah, which are represented ...n the foregoing field notes as having been re-surveyed by him and under his direction; and that said survey ...as been in all respects, to the best of our knowledge and belief, well and faithfully re-surveyed, and the ...orner monuments established, according to the instructions furnished by the United States Surveyor ...eneral for Utah.

Earl Woolley, *Chainman.*

Heber Christensen, *Chainman.*

Andrew Stumpf, *Moundman.*

....., *Moundman.*

Edward J. Beaird, *Axman.*

....., *Axman.*

John A. Neely, *Flagman.*

Subscribed and sworn to before me this 22nd day of June, 1904, 189

[illegible] Lamaston
Notary Public

SEAL

My commission expires Feb. 6 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 12th day of April, 1904, 189 , I have well, faithfully, and truly, in my proper person, and in strict conformity with the instructions furnished by the United States Surv. General for Utah, the Manual of Surveying Instructions, and the laws of United States, re-surveyed all those parts or portions of N. and S. bdys. of T. 9 S., R. 21 E.; N. bdy. of T. 9 S., R. 22 E.; and W. bdy. of T. 10 S., R. 22 E.

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

Harvey D. Heist
United States Deputy Surve

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

The foregoing field notes of the re-survey of the West Boundary of T. 10 S., R. 22 E. of the Salt Lake Base and Meridian, in the State of Utah

executed by their Alfredo R. Talamantes and Harvey D. Heist, U. S. Deputy Surv under his contract No. 285, dated April 12, 1904, 189 , having be critically examined, and the necessary corrections and explanations made, the said field notes, and t re-surveys they describe, are hereby approved.

Edward H. Anderson
United States Surveyor Gen

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

United States Surveyor General

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BOOK A-324

FILED
JUL 30 1904

FIELD NOTES

OF THE SURVEY OF THE

W.H.

SECOND STANDARD PARALLEL SOUTH

through

RANGE No. 22 EAST.

Of the SALT LAKE BASE & *Meridian,*

In the STATE of UTAH.

AS SURVEYED BY

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

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

Survey commenced June 22, 1904., *189*

Survey completed June 24, 1904., *189*

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Sugh 5-7-97

NAMES AND DUTIES OF ASSISTANTS.

CHARLES HOEL,	CHAINMAN.
LEWIS HAHN ,	"
EARL WOOLLEY,	"
HEBER CHRISTENSEN,	"
ANDREW STUMPE,	MOUNDMAN.
EDWARD J. BEAIRD,	AXMAN.
JOHN A. NEELY,	FLAGMAN.

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BOOK A-324

INDEX DIAGRAM.

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PRELIMINARY OATHS OF ASSISTANTS.

We, Charles Noel, Lewis Hahn, Earl Woolley, Heber Christensen, do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level chain over even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; t we will report the true distances to all notable objects, and the true lengths of all lines that we assist measuring, to the best of our skill and ability, and in accordance with instructions given us, in the su... 2nd Standard Parallel South, through Rs. 22-23-24- and 25 E. of the Salt Lake Base and Meridian, Utah.

Charles Noel, Earl Woolley, Chain...
Lewis Hahn, Heber Christensen, Chain...

Subscribed and sworn to before me this 22nd day of June, 1904, 189

SEAL

Notary Public

~~We~~ I, Andrew Stumpf, and

do solemnly swear that ~~we~~ I will well and truly perform the duties of moundmen in the establishm of corners, according to the instructions given ~~us~~ me, to the best of ~~our~~ my skill and ability, in the survey 2nd Standard Parallel South, through Rs. 22-23-24 and 25 E. of the Salt L Base and Meridian, Utah.

Andrew Stumpf, Moundma
, Moundma

Subscribed and sworn to before me this 22nd day of June, 1904, 189

SEAL

Notary Public

~~We~~ I, Edward J. Beaird, and

do solemnly swear that ~~we~~ I will well and truly perform the duties of axmen in the establishment of co... and other duties, according to instructions given ~~us~~ me, to the best of ~~our~~ my skill and ability, in the survey 2nd Standard Parallel South, thro Rs. 22-23-24 and 25 E. of the Salt La Base and Meridian, Utah.

Edward J. Beaird, Axma
, Axma

Subscribed and sworn to before me this 22nd day of June, 1904, 189

SEAL

Notary Public

I, John A. Neely, do solemnly swear that I will well and trul perform the duties of flagman according to instructions given me, to the best of my skill and ability, in t survey of 2nd Standard Parallel South, through Rs. 22-23-24 and 25 E. of th Salt Lake Base and Meridian, Utah.

John A. Neely, Flagman

Subscribed and sworn to before me this 22nd day of June, 1904, 189

SEAL

Notary Public

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SECOND STANDARD PARALLEL SOUTH THROUGH RANGE 22E.

CHAINS

Survey commenced June 22,1904,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 merdiain determined by observations on Polaris, I proceed as follows: At the cor.of Tps.9 and 10 S.,Rs. 22 and 23 E.,heretofore described,in approximate latitude 39°59'N.,longitude 109°25'W.;I set off 39° 59'N.on the lat.arc23°27'N.on the decl.arc;and at 4h p.m.,l.m.t.,determine with the solar a meridian and mark a point thereof,on a stone firmly set in the ground 5 chs.N.of the cor.

June 22,1904.

June 23:At 1h 20m a.m.,l.m.t.,I observe Polaris at eastern elongation,in accordance with the Manual of Instructions and mark a point in the line thus determined by a peg driven in the ground,5 chs.N.of my station.
At 6h 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 on the stone set this morning,on which the meridian falls 0.4 ins.east of the mark determined by the solar.
At 7h a.m.,l.m.t.,I set off 39°59'N.on the lat.arc; 23°28'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 0°21'west and 0'16" east of the merdian established by the Polaris observations;

SECOND STANDARD PARALLEL SOUTH THROUGH R.22 E.

CHAINS

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°18'W.; the angle thus determined gives the mag.decl., 16°18'E.

From the Tp.cor., I run south on random line, and at intervals of 40.00 chs., set temp.¼ sec.and sec.cors.; and at 480.58 chs., establish temp.standard cor.ofTp.10 S., Rs.22 and 23 E.

June 23: At this cor., I set off 23°27'N.on the decl. arc; and at 12h 02m p.m., l.m.t., observe the sun on the meridian; the resulting lat.is 39°54'N.

Thence I run west on random line along south bdy.of the Tp., setting temp.¼ sec.and sec.cors., at intervals of 40.00 chs.; and at 471.97 chs., intersect W.bdy.of the Tp., 27 lks.S.of the standard cor.of Tps.10 S., Rs.21 and 22 E., heretofore described.

June 23, 1904.

June 24: At 7h a.m., l.m.t., I set off 39°54'N.on the lat. arc; 23°27'N.on the decl.arc; and determine a meridian with the solar at the standard cor.of Tp.10 S., Rs. 21 and 22 E. Thence I run'

East on the tangent, S.of sec.31.

Descend over rocky land through dense artemisia.

4.00 Bottom of hollow, 150 ft.deep, course N.

Ascend.

10.00 Top of spur projects S.

Descend.

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

Ascend.

18.50 Top of spur projects N.

Descend.

25.00 Bottom of same hollow, 100 ft.deep, course NW.

Begin abrupt ascent.

SECOND STANDARD PARALLEL, S.; Through RANGE 22 E.

CHAINS	
	Difference bet. measurements of 31.97 chs. by two sets of chainmen is 4 lks.; position of middle point
	By 1st set, 31.95 chs.,
	By 2nd set, 31.99 chs., the mean of which is
31.97	N., 0.2 lks. from the tangent,
	Set a sandstone, 20x8x6 ins., 15 ins. in the ground, for standard $\frac{1}{4}$ sec. cor., marked S C $\frac{1}{4}$ on N. face; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
	Pits impracticable.
	Difference bet. measurements of 71.97 chs. by two sets of chainmen is 6 lks.; position of middle point
	By 1st set, 71.94 chs.,
	By 2nd set, 72.00 chs., the mean of which is
71.97	N., 0.8 lks. from the tangent
	Set a sandstone, 20x10x8 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 raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
	Pits impracticable.
	Land, mountainous.
	Soil; rocky, 4th rate.
	No timber.
	Mountainous land and dense undergrowth on 71.97 chs.

	S. 89°59' E. on the tangent,
	S. of secs. 32.
	Ascend over rocky land through dense artemisia.
11.00	Top of ridge bears NW. and SE.
	Descend.
33.00	Bottom of hollow, 100 ft. deep, course NW.
	Ascend.
	Difference bet. measurements of 40.00 chs. by two sets of chainmen is 2 lks.; position of middle point

SECOND STANDARD PARALLEL S., THROUGH RANGE 22 E.

CHAINS	
	By 1st set, 40.01 chs.,
	By 2nd set, 39.99 chs., the mean of which is
40.00	N., 1.9 lks. from the tangent.
	Set a sandstone, 24x10x6 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.
61.00	Top of spur projects NW.
	Descend.
70.50	Bottom of hollow, 100 ft. deep, course NW.
	Ascend.
	Difference bet. measurements of 80.00 chs. by two sets of chainmen is 4 lks.; position of middle point
	By 1st set, 80.02 chs.,
	By 2nd set, 79.98 chs., the mean of which is
80.00	N., 3.4 lks. from the tangent. Top of ridge bears NW. and SE.
	Set a sandstone, 32x12x6 ins., 24 ins. in the ground, for standard cor. of secs. 32 and 33, marked S C on N., with 2 grooves on the W. and 4 grooves 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, fourth rate.
	No timber.
	Mountainous land and dense undergrowth on 80.00 chs.

	S. 89°58' E. on the tangent
	S. of secs. 33.
	Descend over rocky land through dense artemisia.
15.50	Bottom of hollow, 100 ft. deep, course NE.
	Ascend.
27.00	Top of spur projects NE.
	Descend.
34.75	Bottom of hollow, 100 ft. deep, course NE.

e Corrective
ter Book 2
Page 3

SECOND STANDARD PARALLEL SOUTH, THRROUGH R.22 E.

CHAINS	
	Ascend.
	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., 5.25 lks. from the tangent.
	Set a sandstone, 24x8x6 ins., 18 ins. in the ground, for standard ¼ sec. cor., marked S C ¼ on N. face; and raise amound of stone, 2 ft. base, 1½ ft. high, N. of cor.
	Pits impracticable.
60.00	Top of spur projects NE.
	Begin abrupt descent.
68.00	Bottom of hollow, 100 ft. deep, course NE.
	Ascend.
76.00	Top of ridge bears NE. and SW.
	Begin abrupt descent.
	Difference bet. measurements of 80.00 chs. by two sets of chainmen is 4 lks.; position of middle point
	By 1st set, 80.02 chs.,
	By 2nd set, 79.98 chs., the mean of which is
80.00	N., 7.6 lks. from the tangent
	Set a sandstone, 24x12x8 ins., 18 ins. in the ground, for standard cor. of secs. 33 and 34, marked S C on N., with 3 grooves on 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 and dense undergrowth on 80.00 chs.
	June 24: At this cor., I set off 23°26' N. on the decl. arc; and at 12h 02m p.m., l.m.t., observe the sun on the meridian; the resulting lat. is 39°54' N.

See Corrections Notes Book Page 3

See Corrections Notes Book Page -

SECOND STANDARD PARALLEL SOUTH THROUGH R.22 E.

CHAINS	
	S.89°57'E.on the tangent,
	South of sec.34.
	Descend abruptly over rocky land.
13.00	Enter bottom of "Bitter Creek Hollow",600 ft.deep, course N.
	Over level land through dense greasewood brush.
29.00	Leave bottom of hollow.
	Begin abrupt ascent over rocky land.
	Leave dense undergrowth.
	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.,the mean of which is
40.00	N.,10¼ lks.from the tangent
	Set a sandstone,20x8x6 ins.,15 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.
51.00	Top of spur projects NW.
	Begin abrupt descent.
60.50	Bottom of hollow,100 ft.deep,course NW.
	Ascend.
72.50	Top of ridge bears N.and S.
	Descend abruptly.
78.00	Bottom of hollow,100 ft.deep,course NE.
	Begin abrupt ascent.
	Difference between measurements of 80.00 chs.by two sets of chainmen is 10 lks.;position of middle point
	By 1st set,79.95 chs.,
	By 2nd set,80.05 chs.,the mean of which is
80.00	N.,13 lks.from the tangent.
	On top of spur projecting N.
	Set a sandstone,24x12x5 ins.,18 ins.in the ground, for standard cor.of secs.34 and 35,marked SC on N.,with

See Corrective Letter Book 2 Page 2

Corrective Book 2 p. 5

SECOND STANDARD PARALLEL SOUTH THROUGH R.22 E.

CHAINS.	
	4 grooves on the W. and 2 grooves on the E. face; and raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.
	Pits impracticable.
	Land mountainous and level.
	Soil; rocky and sandy, 3rd and 4th rate.
	No timber.
	Mountainous land or dense undergrowth on 80.00 chs.

	S.89°56'E. on the tangent, South of sec. 35.
	Descend over rocky land.
1.00	Bottom of hollow, 100 ft. deep, course NW.
	Begin abrupt ascent.
9.00	Top of spur projects NW.
	Descend.
17.75	Bottom of hollow, 100 ft. deep, course NW.
	Ascend.
24.00	Top of ridge bears NW. and SE.
	Descend.
32.00	Bottom of hollow, 100 ft. deep, course NW.
	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., 17 lks from the tangent.
	Set a sandstone, 24x8x6 ins., 18 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.
68.00	Top of ridge bears N. and S.
	Begin abrupt descent.
	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.,

See Corner Notice Bov, Page 2

SECOND STANDARD PARALLEL SOUTH, THROUGH RANGE 22 E.

CHAINS	
	By 2nd set, 79.93 chs., the mean of which is
80.00	N., 21 lks. from the tangent
	Set a sandstone, 28x10x6 ins., 21 ins. in the ground, for
	standard cor. of secs. 35 and 36, marked S C on N., 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.
	No timber.
	Mountainous land on 80.00 chs.

	S. 89°56' E. on the tangent, S. of sec. 36.
	Descend abruptly over rocky land.
18.00	Bottom of hollow, 300 ft. deep, course NE.
	Begin abrupt ascent over broken land.
	Difference bet. measurements of 40.00 chs. by two sets of
	chainmen is 10 lks.; position of middle point
	By 1st set, 39.95 chs.,
	By 2nd set, 40.05 chs., the mean of which is
40.00	N., 25.5 lks from the tangent
	Set a sandstone, 28x20x3 ins., 21 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.
51.00	Top of spur projects NW.
	Descend.
62.00	Bottom of hollow, 100 ft. deep, course N.
	Ascend.
	Enter scattering cedar timber.
66.50	Top of spur projects N.
	Descend.
76.00	Bottom of hollow, 100 ft. deep, course NW.
	Ascend.
	Leave timber.
	Difference bet. measurements of 80.00 chs. by two sets

See Corrective Notes Book 2 Page 1

See Corrective Notes Book 2 Page 1

SECOND STANDARD PARALLEL SOUTH THROUGH RANGE 22 E.

CHAINS

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.,30 lks.from the tangent

Set a sandstone,30x10x10 ins.,22 ins.in the ground,

for standard cor.of Tps.10 S.,Rs.22 and 23 E.,marked

S C 10 S on N.,

23 E on E.,and

22 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.

Destroy temporary standard corner previously set.

Land,mountainous.

Soil;rocky,4th rate.

Timber,cedar.

Mountainous land on 80.00 chs.

June 24,1904.

For general description see notes of Subdivision of Tp. 10 S., R. 22 E.

Harvey H. Hirst
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

king the lines and corners described in the foregoing field notes of the survey of .....

.....

wing 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

ose parts or portions of the .....

.....

.....

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

..... meridian, ... of ....., which are represented

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

Jeneral 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

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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 ..... day of ....., 189 , I have well, faithfully, and truly, in my proper person, and in strict conformity with the instructions furnished by the United States Surve 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 "Y" T.10 S.R.25 E.

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

United States Deputy Surve

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

SEAL

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL.

Salt Lake City, Utah , May 27, 190

The foregoing field notes of the survey of the Second Standard Parallel South, through Range 22, East of the Salt Lake Base and Meridian, ...

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

Edward H. Anderson

United States Surveyor Gene

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

United States Surveyor Genera

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BOOK A-324

corrected

FIELD NOTES

OF THE SURVEY OF THE

SECOND STANDARD PARALLEL
SOUTH THROUGH R. 22 E.

Of the SALT LAKE BASE and Meridian,
Utah

AS SURVEYED BY

Alfred R. Talamantes and Harvey D. Hulet, United States Deputy Surveyors
under ~~his~~ their Contract No. 285, dated APRIL 12, 1904
Survey commenced August 23, 1905
Survey completed August 23, 1905

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BOOK A-324

NAMES AND DUTIES OF ASSISTANTS.

Earl V. Woolley Egbert White Chainm

Harvey D. Hist Will White Chainm.

BOOK A-324

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Meanders Page . . . . . .

PRELIMINARY OATHS OF ASSISTANTS.

WE, Earl V Woolley, Egbert White and Harvey D. Hurt and Will
do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will l
chain upon even and uneven ground, and plumb the tally pins, either by sticking or dropping the sa
we will report the true distances to all notable objects, and the true lengths of all lines that we
measuring, to the best of our skill and ability, and in accordance with instructions given us, in the s
The Second Standard Parallel S thro. R 22 E. Salt and Meridi

Earl V. Woolley Egbert White, Cha
Harvey D. Hurt Will White, Cha

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

SEAL

Alfredo R. Talamanis
U S Deputy Surveyor

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

.....

....., Mou

....., Mou

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

.....

....., A

....., .

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,
survey of .....

....., Fla

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

SEAL

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CORRECTED NOTES OF

THE SECOND STANDARD PARALLEL SOUTH THRO.R.22 E.

CHAINS	
	Survey commenced, August 23, 1905, and executed with the instrument described in Book "1", of this survey.
	I know the instrument to be in adjustment from recent observations made August 20 and 21 and recorded in Book "1" of this survey.
	At the Stan.Cor.of Tps.10 S., Rs.22 and 23 E., described in original field notes, at 8h 2m a.m., l.m.t., I set off 39° 54'N.on lat.arc, 11°34'N.on decl.arc, and determine a meridian with the solar, thence I run with two sets of chainmen
	West along the S.Bdy.of sec.36.
	Difference bet.measurement of 40.00 chs.by two sets of chainmen is 16 lks., position of middle point
	By 1st.set, 39.92 chs.
	By 2nd.set, 40.08 chs., the mean of which is
40.00	The old Stan.¼ sec.cor.bears N.45°W., 16 lks.dist.
	I move this cor.to my new point and set same sandstone, 28x20x3 ins., 21 ins.in the ground, for Stan.¼ sec.cor., mkd:SC ¼ on N.face, and raise a mound of stone, 2 ft.base, 1½ ft.high, N.of cor.
	Pits impracticable.
	I destroy all traces of the old cor.
	Difference between measurement of 80.00 chs.by two sets of chainmen is 24 lks., position of middle point,
	By 1st.set 79.88 chs.
	By 2nd.set 80.12 chs., the mean of which is
80.00	The Stan.cor.of secs.35 and 36, bears N.9°W., 57 lks.dist.
	I move this cor.to my new point and set same sandstone, 28x10x6 ins., 21 ins.in the ground, for stan.cor.of secs. 35 and 36, mkd:SC on N.1 groove on E.and 5 grooves on W. faces, and raise a mound of stone, 2 ft.base, 1½ ft.high, N.of cor.
	Pits impracticable.
	I destroy all traces of the old cor.
	Note: There is no change of topography on this line.

CORRECTED NOTES OF

THE SECOND STANDARD PARALLEL SOUTH, THRO R.22 E.

CHAINS	
	West along the S.Bdy.of sec.35.
	Difference bet.measurement of 40.00 chs.by two sets of chainmen is 10 lks.,position of middle point
	By 1st.set,39.95 chs.
	By 2nd.set,40.05 chs.,the mean of which is
40.00	The old stan.$\frac{1}{4}$ sec.cor.to sec.35,bears N.2°W.,48 lks.dist
	I move this cor.to my new point and set same sandstone 24x8x6 ins.,18 ins.in the ground,for stan.$\frac{1}{4}$ sec.cor. mkd.SC $\frac{1}{4}$ on N.face,and raise a mound of stone,2 ft. base,1$\frac{1}{2}$ ft.high,N.of cor.
	Pits impracticable.
	I destroy all traces of the old cor.
	Difference bet.measurement of 80.00 chs.by two sets of chainmen is 12 lks.,position of middle point
	By 1st.set,79.94 chs.
	By 2nd.set,80.06 chs.,the mean of which is
80.00	The old stan.cor.of secs.34 and 35,bears N.45 lks.dist.
	I move this cor.45 lks.south and set same sandstone, 24x12x5 ins.,18 ins.in the ground,for stan.cor.of secs. 34 and 35,mkd SC on N.,2 grooves on E.and 4 grooves on W.faces,and raise a mound of stone,2 ft.base,1$\frac{1}{2}$ ft.high, N.of cor.
	Pits impracticable.
	I destroy all traces of the old cor.
	Note: There is no change of topography on this line.
	West,along the S.Bdy.of sec.34.
	Difference bet.measurement of 40.00 chs.by two sets of chainmen,is 6 lks.,position of middle point,
	By 1st.set 39.97 chs.
	By 2nd.set 40.03 chs.,the mean of which is
40.00	Fall 42 lks.S.of the stan.$\frac{1}{4}$ sec.cor.to sec.34.
	I move this cor.42 lks.S.and set same sandstone,20x8x6 ins.15 ins.in the ground,for stan.$\frac{1}{4}$ sec.cor.,mkd.SC $\frac{1}{4}$

CORRECTED NOTES OF

THE SECOND STANDARD PARALLEL SOUTH, THRO R.22 E.

CHAINS	
	on N.face, and raise a mound of stone, 2 ft.base, 1½ ft.high, N.of cor.
	Pits impracticable.
	I destroy all traces of the old cor.
	Difference of measurement 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	Fall 24 lks.S.of the stan.cor.to secs.33 and 34.
	I move this cor.24 lks.S.and set same sandstone, 24x12x8 ins., 18 ins.in the ground, for stan.cor.to secs.33 and 34, marked SC on N., with 3 grooves on E.and W.faces, and raise a mound of stone, 2 ft.base, 1½ ft.high, N.of cor.
	Pits impracticable.
	I destroy all traces of the old cor.
	Note: There are no changes of topography on this line.
	West, along the S.Bdy.of sec.33.
	Difference bet.measurement of 40.00 chs.by two sets of chainmen is 12 lks., position of middle point
	By 1st.set, 39.94 chs.
	By 2nd.set, 40.06 chs., the mean of which is
40.00	Fall 12 lks.S.of the stan.¼ sec.cor.to sec.33.
	I move this cor.12 lks.S.and set same sandstone, 24x8x6 ins. 18" in the ground, for stan.¼ sec.cor., mkd.SC¼ .on N.face, and raise a mound of stone, 2 ft.base, 1½ ft.high, N.of cor.
	Pits impracticable.
	I distroyed all traces of old cor.
	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	Intersect stan. cor.of secs.32and 33
	Note: No change in topography on this line.
	Aug. 21 1905.

Alfredo R Talamantes
U. S. Deputy Surveyor

Volume
#
R0324

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 making the lines and corners described in the foregoing field notes of the corrective survey of The Second Stan. Parallel S thro. R. 22 E. Salt Lake Base and Meridian Utah having the respective capacities in which they acted:

Earl V Woolley Egbert White, Chainmen.
Harvey D. Heist Will White, Chainmen.
, 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 Second Standard Parallel South through R. 22 E. of the Salt Lake Base and meridian, State of Utah, which are represented in the foregoing field-notes as having been surveyed by him and under his direction; and that said corrective survey has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the corner monuments established, according to the instructions furnished by the United States Surveyor General for Utah

Earl V Woolley Egbert White, Chainmen.
Harvey D Heist Will White, Chainmen.
, Moundman.
, Moundman.
, Axman.
, Axman.
, Flagman.

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

Alfredo R. Talamantes
U. S. Deputy Surveyor

SEAL

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FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, Alfredo R. Talamantes, United States Deputy Surv[illegible] solemnly swear that, in pursuance of a contract received from Edward H. Ans[illegible] United States Surveyor General for Utah, bearing dat[illegible] 12 day of April, 1904, I have well, faithfully, and truly, in proper person, and in strict conformity with the instructions furnished by the United States S[illegible] General for Utah, the Manual of Surveying Instructions, and the law[illegible] United States, surveyed all those parts or portions of The Second Standard Parallel South through R. 22 E.

of the Salt La[illegible] Base and meridian, in the State of Utah, which are represente[illegible] foregoing field notes as having been surveyed by me, and under my direction; and I do further s[illegible] swear that all the corners of said corrective survey have been established and perpetuated in strict accord[illegible] the Manual of Surveying Instructions, and the special written instructions of the United States S[illegible] General for Utah and in the specific manner described in the field notes, the foregoing are the original field notes of such corrective survey.

Alfredo R. Talamantes
United States Deputy S[illegible]

Subscribed by said Alfredo R. Talamantes, and sworn to before me this 18th day of October, 1905

Thomas Hull
U. S. Surveyor General
for Utah

SEAL

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, October 19

The foregoing field notes of the corrective survey of The Second Standard Parallel South through Range 22 East of the Salt Lake Base & Meridian, Utah

executed by Alfredo R. Talamantes and Harvey D. Hirst under the contract No. 285, dated April 12, 1904, hav[illegible] critically examined, and the necessary corrections and explanations made, the said field notes, [illegible] surveys they describe, are hereby approved.

Thomas Hull
United States Surveyor G[illegible]

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

United States Surveyor G[illegible]

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BOOK A-324

FILED
JUL 30 1904

FIELD NOTES

OF THE SURVEY OF THE

East Boundary

of

Township No. 10 South,

Range No. 22 East.

Of the Salt Lake Base & *Meridian,*

in the state of Utah.

AS SURVEYED BY

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

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

Survey commenced June 25, 1904, *189*

Survey completed June 25, 1904, *189*

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Sign 6.00.31

BOOK A-324

NAMES AND DUTIES OF ASSISTANTS.

Earl Woolley, ... Chainman.

Heber Christensen, ... Chainman

Andrew Stumpf, ... Moundsman.

Edward J. Beaird, ... Axman.

John A. Neely, ... Flagman

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

BOOK A-324

INDEX DIAGRAM.

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Meanders Page

PRELIMINARY OATHS OF ASSISTANTS.

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

..... *Moundm*

..... *Moundm*

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

SEAL

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

..... *Axma*

..... *Axma*

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

SEAL

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

..... *Flagma*

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

SEAL

EAST BDY. OF T. 10 S., R. 22 E.

CHAINS	
	Survey commenced June 25, 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 June 22, 1904, and recorded in Book "I" of this survey.
	At 7h a.m., l.m.t., I set off 39°54'N. on the lat. arc; 23°25'N. on the decl. arc; and determine a meridian with the solar at the standard cor. of T. 10 S., Rs. 22 and 23 E., heretofore described, on 2nd Standard Parallel South.
	Thence I run
	North on a true line, along E. bdy. of the Tp.,
	Bet. secs. 31 and 36.
	Ascend over rocky land.
1.00	Top of ridge bears NW. and SE. Descend.
4.00	Enter scattering cedar timber.
10.00	Head of Hollow, course NE. Ascend.
25.50	Top of ridge bears NE. and SW. Begin abrupt descent.
	Leave timber.
40.00	Set a sandstone, 24x8x4 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.
54.00	Bottom of hollow, 300 ft. deep. course NW. Ascend abruptly.
62.00	Top of spur projects W. Begin abrupt descent.
65.00	Bottom of hollow, 150 ft. deep, course W.
	Begin abrupt ascent.
69.00	Top of spur projects W.
	Begin abrupt descent.
74.50	Bottom of hollow, 200 ft. deep, course W.
	Begin abrupt ascent.
80.00	Set a sandstone, 28x10x6 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.

EAST BDY. OF T. 10 S., R. 22 E.

CHAINS	
	Pits impracticable.
	Land, mountainous.
	Soil; rocky, 4th rate.
	Timber cedar.
	Mountainous land on 80.00 chs.

	North bet. secs. 25 and 30.
	Ascend abruptly over rocky land.
2.00	Top of spur projects SW.
	Begin abrupt descent.
6.00	Bottom of hollow, 100 ft. deep, course W.
	Begin abrupt ascent.
11.75	Top of spur projects NW.
	Descend.
40.00	Set a sandstone, 20x12x8 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.
41.00	Bottom of hollow, 300 ft. deep, course NW.
	Begin abrupt ascent.
59.00	Top of ridge bears N.W. and SE.
	Begin abrupt descent.
80.00	Set a sandstone, 24x10x8 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, $1\frac{1}{2}$ ft. high, W. of cor.
	Pits impracticable.
	Land, mountainous.
	Soil; rocky, 4th rate.
	No timber.
	Mountainous land on 80.00 chs.

EAST BDY. OF T. 10 S., R. 22 E.

CHAINS	
	North, bet. secs. 19 and 24.
	Descend abruptly over rocky land.
10.00	Bottom of hollow, 300 ft. deep, course NW.
	Begin abrupt ascent.
12.50	"Pride of West" lode, a gilsonite vein, 15 ins. wide, bears NW. and SE.
23.00	Top of rocky spur projects NW.
	Begin abrupt descent.
40.00	Set a sandstone, 28x8x6 ins., 21 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.
44.00	Bottom of hollow, 400 ft. deep, course NW.
	Begin abrupt ascent.
62.20	Top of ridge bears NW. and SE.
	Begin abrupt descent.
80.00	Set a sandstone, 36-10x6 ins., 27 ins. in the ground, for cor. of secs. 13-18-19 and 24, marked with 3 notches on the S. and N. edges; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
	Pits impracticable.
	Land, mountainous.
	Soil: rocky, 4th rate.
	No timber.
	Mountainous land on 80.00 chs.
	June 25: At this cor., I set off 23°24' N. on the decl. arc; and at 12h 02m. p.m., l.m.t., observe the sun on the meridian; the resulting lat. is 39°56' N.

	North, bet. secs. 13 and 18.
	Descend abruptly over rocky land.
19.50	Enter scattering cottonwood timber,
22.00	Left bank of White River, 1.75 chs. wide, course SW.
24.10	Right bank of White River, in bottom of canon, 800 ft.

EAST BDY. OF T. 10 S., R. 22 E.

CHAINS	
	deep, course SW. Ascend.
26.00	Begin abrupt ascent over sandstone ledges.
37.50	Top of spur projects SW.
	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.
50.00	Bottom of hollow, 200 ft. deep, course NW.
	Ascend.
71.00	Top of spur projects NW.
	Descend abruptly over sandstone ledges.
75.00	Bottom of gulch, 500 ft. deep, course NW.
	Begin abrupt ascent over sandstone ledges.
80.00	Top of ridge bears NW. and SE.
	Set a sandstone, 16x10x8 ins., 11 ins. in the ground, for cor. of secs. 7-12-13 and 18, marked with 4 notches on S. and 2 notches on the W. edge; and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
	Pits impracticable.
	Land, mountainous.
	Soil: rocky, 4th rate.
	Timber scattering cottonwood.
	Mountainous land on 80.00 chs.

	North, bet. secs. 7 and 12.
	Descend over rocky broken land.
5.00	Head of hollow, course E.
	Ascend.
12.00	Top of ridge bears N. and W.
	Descend.
32.00	Bottom of hollow, 75 ft. deep, course NW.
	Ascend.
35.00	Top of spur projects west.
	Descend.

East BDY. OF T. 10 S., R. 22 E.

CHAINS	
39.00	Bottom of hollow, 50 ft. deep, course W.
	Ascend.
40.00	Set a sandstone, 16x10x6 ins., 11 ins. in the ground, for ¼ sec. cor., marked ¼ on W. face; and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
	Pits impracticable.
62.00	Top of spur projects W.
	Descend.
73.00	Bottom of hollow, 50 ft. deep, course NW.
	Ascend.
77.00	Top of spur projects W.
	Descend.
80.00	Set a sandstone, 24x8x8 ins., 18 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.
	Land, mountainous.
	Soil; rocky, 4th rate.
	No timber.
	Mountainous land on 80.00 chs.

	North bet. secs. 1 and 6.
	Descend over rocky land.
5.00	Bottom of hollow, 50 ft. deep, course NW.
	Ascend.
10.00	Top of spur projects NW.
	Descend.
15.00	Head of hollow, course NW.
	Ascend.
25.00	Top of spur projects NW.
	Descend.
30.00	Head of hollow, course NW.
	Ascend.
40.00	Set a sandstone, 16x10x6 ins., 11 ins. in the ground,

East BDY. OF T. 10 S., R. 22 E.

CHAINS

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 impractable.

48.00 Top of spur projects NW. Descend.

59.00 Head of hollow, course NW.

Ascend.

69.00 Top of spur projects NW.

Descend.

77.00 Bottom of hollow, 50 ft. deep, course SW.

Ascend.

80.31 The cor. of Tps. 9 and 10 S., Rs. 22 and 23 E., heretofore described.

Land mountainous.

Soil; rocky, 4th rate,

No timber.

Mountainous land on 80.31 chs. June 25, 1904.

Latitudes, Departures, and closing errors.

Line designated	True bearing.	Dist.	Latitudes N.	Latitudes S.	Departures E.	Departures W.
Convergency						0.60
S. bdy., T. 9 S., R. 22 E.	N. 89°58' W.	474.06	0.28			474.06
E. bdy., T. 10 S., R. 21 E.	S. 0°19' E.	480.58		480.58	2.70	
Second Standard Parallel, South.	-----East.	471.97			471.97	
E. bdy., T. 10 S., R. 22 E.	----North.	480.31	480.31			
			480.59	480.58	474.67	474.66
			480.58		474.66	
Error in lat.			---0.01	in Dep	---0.01	

For GENERAL DESCRIPTION SEE, Subdivision of T. 10 S R. 22 E.

Harry D. Hirst
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

arking the lines and corners described in the foregoing field notes of the survey of .....

.....

owing 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

hose parts or portions of the .....

.....

.....

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

..... meridian, ... of ....., which are represented

n the foregoing field notes as having been surveyed by him and under his direction; and that said survey 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 ..... day of ....., 189 , I have well, faithfully, and truly, in my proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for ....., the Manual of Surveying Instructions, and the laws of United States, surveyed all those parts or portions of .....

For final affidavis see book "Z 11" T.12 S.R.24 E.

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

.....
United States Deputy Surve

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

SEAL

.....

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah , May 27, 1905.

The foregoing field notes of the survey of East Boundary of Township No.10 Sout Range No.22 East of the S alt Lake Base and Meridian, Utah,

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

Edward H. Anderson
United States Surveyor Gene

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

.....
United States Surveyor Genera

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BOOK A-324

FIELD NOTES

OF THE SURVEY OF THE

SUBDIVISIONS

OF

TOWNSHIP No. 10 SOUTH,

RANGE No. 22 EAST.

Of the SALT LAKE BASE & *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 June 28, 1904, *189*

Survey completed July 6, 1904, *189*

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BOOK A-324

NAMES AND DUTIES OF ASSISTANTS.

EARL WOOLLEY, CHAINMAN.

HEBER CHRISTENSEN, CHAINMAN.

ANDREW STUMPE, 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-324

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PRELIMINARY OATHS OF ASSISTANTS.

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

.....

....., *Chainm*

....., *Chain*

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

SEAL

.....

.....

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

.....

....., *Mound*

....., *Mound*

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

SEAL

.....

.....

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

.....

....., *Axm*

....., *Axm*

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

SEAL

.....

.....

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

....., *Flagm*

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

SEAL

.....

.....

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SUBDIVISIONS OF T.10 S.,R.22 E.

CHAINS	
	Survey commenced June 26,1904,and executed with the instrument described in Book "A" of this survey.
	I know the instrument to be in adjustment from recent observations made June 22,1904,and recorded in Book "I" of this survey.
	June 26:At 7 h a.m.,l.m.t.,I set off 39°54'N.on the lat.arc;23°24'N.on the decl.arc;and determine a meridian with the solar at the standard cor.of secs.35 and 36, on the S.bdy.of this township,heretofore described.
	Thence I run
	N.0°01'W.,bet.secs.35 and 36.
	Ascend abruptly over rocky land.
5.50	Top of rocky spur projects NE.
	Begin abrupt descent.
12.00	Bottom of hollow,150 ft.deep,course NE.
	Begin abrupt ascent.
15.00	Top of rocky spur projects NE.
	Begin abrupt descent.
29.00	Bottom of hollow,150 ft.deep,course NE.
	Ascend.
36.00	Top of ridge bears NE.and SW.
	Descend.
40.00	Set a sandstone,30x12x12 ins.,22 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,100 ft.deep,course NE.
	Ascend.
79.00	Top of spur projects east.
	Descend.
80.00	Set a sandstone,28x8x8 ins.,16 ins.in the ground,for cor.of secs.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.

See Corner Note Book Page 1

See Corner Note Book Page 1

SUBDIVISIONS OF T.10 S.,R.22 E.

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

	East on a random line bet. secs. 25 and 36.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.08	Intersect E. bdy. of the Tp., 9 lks. S. of the cor. of secs. 25-30-31 and 36, heretofore described.
	Thence I run
	S. 89° 56' W. on a true line
	Bet. secs. 25 and 36.
	Ascend abruptly over rocky land.
2.00	Top of spur projects SW.
	Begin abrupt descent.
29.00	Bottom of hollow, 400 ft. deep, course N.
	Begin abrupt ascent.
40.04	Set a sandstone, 18x10x6 ins., 12 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
	Pits impracticable.
42.00	Top of rocky spur projects N.
	Begin abrupt descent.
47.50	Bottom of hollow, 200 ft. deep, course NE.
	Begin abrupt ascent.
61.50	Top of spur projects NE.
	Descend.
78.75	Bottom of hollow, 100 ft. deep, course N. to NW.
	Ascend.
80.08	The cor. of secs. 25-26-35 and 36.
	Land mountainous.
	Soil; rocky, 4th rate.
	No timber.

See Corrective Notes Book 3 Page 1

See Corrective Notes Book 3 Page 1

See corrective Notes Book 3 Page 1

SUBDIVISIONS OF T.10 S.,R.22 E.

CHAINS	
	Mountainous land on 80.08 chs.

	North 0°01'W.,bet.secs.25 and 26.
	Descend over rocky land.
4.00	Bottom of hollow,100 ft.deep,course NW.
	Ascend.
6.50	Top of rocky spur projects NW.
	Descend.
32.50	Bottom of hollow,150 ft.deep,course NE.
	Ascend.
37.00	Top of spur projects E.
	Begin abrupt descent.
40.00	Set a sandstone,24x8x5 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 hollow,100 ft.deep,course E.
	Begin abrupt ascent.
60.00	Top of ridge bears NE.and SW.
	Descend.
71.00	Head of hollow,course NW.
	Ascend.
73.00	Top of spur projects NW.
	Descend.
80.00	Set a sandstone,24x12x6 ins.,18 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.
	June 26:At this cor.,I set off 23°22'N.on the decl. arc;and at 9.h 03m p.m.,l.m.t.,observe the sun on the

SUBDIVISIONS OF T.10 S.,R.22 E.

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

	N.89°56'E.on a random line bet.secs.24 and 25.
40.00	Set temp.¼ sec.cor.
80.04	Intersect E.bdy.of the Tp.,5 lks.N.of the cor.of secs. 19-24-25 and 30,heretofore described.
	Thence I run
	S.89°58'W.on a true line
	Bet.secs.24 and 25.
	Abrupt ascent over rocky land.
2.10	Top of spur projects N.
	Begin abrupt descent.
5.00	Bottom of hollow,100 ft.deep,course NE.
	Begin abrupt ascent.
8.70	Top of spur projects N.
28.00	Bottom of hollow,400 ft.deep,course N.
	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.
74.50	Top of ridge bears NW.and SE.
	Begin abrupt descent.
79.00	Bottom of hollow,100 ft.deep,course NW.
	Ascend.
80.04	The cor.of secs.23-24-25-26.
	Land,mountainous.
	Soil;rocky,4th rate.
	No timber.
	Mountainous land on 80.04 chs.

	North 0°01'W.,bet.secs.23 and 24.
	Descend over rocky land.
6.00	Bottom of hollow,100 ft.deep,course NW.
	Begin abrupt ascent.

SUBDIVISIONS OF T.10 S.R.22 E.

Chains.	
11.35	Top of spur projects NW. Begin abrupt descent.
30.50	Bottom of hollow,200 ft.deep,course NE.;ascend abruptly.
40.00	Set a sandstone 28x15x6 ins.21 ins.in the ground,for ¼ sec. sec.cor.,mar ked ¼ on W.face;and raise a mound of stone 2 ft.base 1½ ft.high W.of cor.Pits impracticable.
	Top of spur projects NE. Begin abrupt descent.
45.50	Bottom of hollow,200 ft.deep,course NE. Begin abrupt ascent.
52.50	"Pride of West" lode,a gilsonite vein,15 ins.wide,bears NW.and SE.
56.00	Top of rocky spur projects NE. Begin abrupt descent.
67.50	Enter level bottom lands along White River,bearing NW. and SE. Enter dense greasewood brush.
76.00	Enter scattering cottonwood timber.
78.00	Set a sandstone 24x8x6 ind.18 ins.in the ground for witness cor.to cor.of secs.13,14,23,and 24,m rked WC on NE. face,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.
	A cottonwood 4 ins.diam.bears S.5°E.1.01 chs.dist. marked W C T 10 S.R.22 E. S 24 B T
	A cottonwood 9 ins.diam.bears S.33°W.2.25 chs.dist. marked W C T 10 S R 22 E S 23 B T
78.25	Left bank of White River,2.00 chs.wide,course W.
80.00	Point for sec.cor.falls in river;corner not set.
	Land mountainous.
	Soil rocky and sandy;3rd and 4th rate.
	Timber cottonwood.
	Mountainous land or dense undergrowth on 80.00 chs.

From witness corner to cor.secs.13,14,23 and 24 I run N.89°58'E.on random line bet.secs.13 and 24

38.00	Offset N.2.00 chs.to line.
40.00	Set temp.¼ sec.cor.
80.06	Intersect E.bdy.of the Tp.9 lks.N.of the cor.of secs.

SUBDIVISIONS OF T 10 S R 22 E

Chains	
	13,18,19 and 24,heretofore described.
	Thence I run
	N.89°58'W.on a true line bet.secs.13 and 24
	Ascend abruptly over rocky land.
2.00	Top of spur projects N.
	Begin abrupt descent.
6.50	Bottom of hollow 150 ft.deep,course N.
	Begin abrupt ascent.
9.00	Top of spur projects N.
	Begin abrupt descent.
24.00	Bottom of hollow 300 ft.deep,course N.
	Begin abdupt ascent.
36.00	Top of spur projects N.
	Descend.
40.03	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 2 ft.base,1½ ft.high N.of cor.Pits impracticable.
42.00	Left bank of White River 2.00 chs.wide ,course from SW. to W.
	To pass river,offset S.2.00 chs.
	Thence along S.side of river,through dense greasewood brush.N.89°58'W.with continuous measurement
80.06	Intersect witness cor.to cor.of secs.13,14,23,and 24, witnessed 2.00 chs.S.of true point for cor.
	Land mountainous and level.
	Soil rocky and sandy;3rd and 4th rate.
	No timber.
	Mountainous land or dense undergrowth on 80.06 chs.
	June 26,1904.

SUBDIVISIONS OF T.10 S.,R.22 E.

CHAINS	
	June 27:At 7h.a.m.,l.m.t.,I set off 39°56'N.on the lat. arc;23°21'N.on the decl.arc;and determine a meridian with the solar at the witness cor.to cor.of secs. 13-14-23 and 24.
	Thence I run N.0°01'W.,2.25 chs.to
0.25	Right bank of White River.,bet.secs.13 and 14.
	Knowing the line bet.secs.13 and 14 runs along impassable sandstone ledges,I off set as follows:
	East,13.00 chs.;thence
	N.0°01'W.,37.96 chs.to point on ledge,bearing NE.and SW.
	Set a sandstone,16x10x8 ins.,11 ins.in the ground, for witness cor.to ¼sec.cor.,marked W C ¼ on W.face; and raise a mound of stone,2 ft.base,1½ ft.high W.of cor.
	Pits impracticable.
40.00	Point for ¼ sec.cor.falls on face of perpendicular sandstone ledge and cannot be set.
	I continue offset line a dist.of 79.75 chs.to point on line bet.secs.12 and 13,on right bank of White River.
	Thence I offset west,13.00 chs.to
80.00	Set a sandstone,24x10x5 ins.,18 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 and sandy,3rd and 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.¼ sec.cor.
80.02	Intersect E.bdy.of the Tp.,7 lks.S.of the cor.of secs.

SUBDIVISIONS OF T.10 S., R.22 E.

CHAINS	
	7-12-13 and 18, heretofore described.
	Thence I run
	S.89°59'W. on a true line
	Bet. secs. 12 and 13.
	Descend abruptly over sandstone ledges.
3.00	Bottom of gulch, 1000 ft. deep, course NW.
	Begin abrupt ascent.
7.00	Sharp point of ledge projects N.
	Begin abrupt descent.
11.00	Descend along bottom of gulch.
40.01	Set a sandstone, 16x12x5 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.
61.50	Descend abruptly over broken sandstone ledges in gulch.
69.50	Right bank of White River, 1.50 chs. Wide, course N.
71.00	Left bank of White River. Begin abrupt ascent.
76.35	Top of spur projects NE.
	Begin abrupt descent.
80.02	The cor. of secs. 11-12-13 and 14.
	Land mountainous.
	Soil; rocky, 4th rate.
	No timber.
	Mountainous land on 80.02 chs.

	North, 0°01'W., bet. secs. 11 and 12.
	Over rocky land descend abruptly.
8.50	Bottom of hollow, 300 ft. deep, course NE.
	Begin abrupt ascent.
20.55	Top of rocky spur projects NE.
	Begin abrupt descent.
26.00	Bottom of hollow, 250 ft. deep, course NE.
	Begin abrupt ascent.
32.85	Top of rocky spur projects NE.
	Begin abrupt descent.

SUBDIVISIONS OF T.10 S., R.22 E.

CHAINS	
40.00	Set a sandstone, 28x8x6 ins., 21 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	Enter bottom along White River, bearing E. and W.
	Enter dense greasewood brush.
53.25	Left bank of White River.
55.00	Right bank of White River, 1.75 chs. wide, course W.
	Leave bottom land, and dense undergrowth.
	Begin abrupt ascent over rocky land, bearing E. and W.
72.00	Top of ridge bears E. and W.
	Descend.
80.00	Set a sandstone, 16x 8x 5ins., 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, $1\frac{1}{2}$ ft. high, W. of cor.
	Pits impracticable.
	Land, mountainous.
	Soil; rocky, and sandy, 3rd and 4th rate.
	Mountainous land or dense undergrowth on 80.00 chs.
	June 27: At this cor., I set off 23°20' 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°58' N.

	N. 89°59' E. on a random line bet. secs. 1 and 12.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
79.98	Intersect E. bdy. of the Tp., 3 lks. S. of the cor. of secs. 1-6-7-12, heretofore described.
	Thence I run
	S. 89°58' W. on a true line
	Bet. secs. 1 and 12.
	Descend aver broken rocky land.
3.00	Bottom of hollow, 50 ft. deep, course NW.
	Ascend.

SUBDIVISIONS OF T.10 S.,R.22 E.

CHAINS	
11.00	Top of spur projects NW.
	Descend.
21.00	Head of hollow, course N.
	Ascend.
32.00	Top of ridge bears NW. and SE.
	Descend.
39.99	Set a sandstone, 16x10x6 ins., 11 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
	Pits impracticable.
42.00	Head of hollow, course NW.
	Ascend.
55.00	Top of spur projects NW.
	Descend.
65.00	Head of hollow, course N.
	Ascend.
70.00	Top of spur projects N.W.
	Descend.
78.00	Head of hollow, course N.
	Ascend.
79.98	The cor. of secs. 1-2-11 and 12.
	Land mountainous.
	Soil; rocky, 4th rate.
	No timber.
	Mountainous land on 79.98 chs.

	N.0°01'W. on a random line bet. secs. 1 and 2.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.40	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.
	Ascend over broken land.

SUBDIVISIONS OF T.10 S.,R.22 E.

CHAINS	
16.00	Top of spur projects NE.
	Descend.
22.00	Head of hollow, course NE.
	Ascend.
28.00	Top of spur projects NE.
	Descend.
36.00	Head of hollow, course NE.
40.40	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.
48.00	Top of spur projects NW.
	Descend.
62.00	Bottom of gulch, 200 ft.deep, course W.
	Ascend.
80.40	The cor.of secs.1-2-11 and 12.
	Land, mountainous.
	Soil; rocky, 4th rate.
	No timber.
	Mountainous land on 80.40 chs.
	June 27, 1904.

June 28: At 7h a.m., l.m.t., I set off 39°54'N.on the lat. arc; 23°19'N.on the decl.arc; and determine a meridian with the solar at the standard cor.of secs.34 and 35, on the 2nd Standard Parallel South, heretofore described.

Thence I run

N.0°01'W., bet.secs.34 and 35.

	Descend over rocky land.
1.50	Bottom of hollow, 100 ft.deep, course NW. Ascend.
3.00	Top of spur projects W.
	Descend.
5.25	Bottom of same hollow, 100 ft.deep, course NE.
	Ascend.
9.00	Top of spur projects E.

SUBDIVISIONS OF T.10 S.,R.22 E.

CHAINS	
	Descend.
11.25	Bottom of same hollow, 100 ft. deep, course NW.
	Ascend.
13.25	Top of spur projects W.
	Descend.
16.25	Bottom of same hollow, 100 ft. deep, course NE.
	Begin abrupt ascent.
23.35	Top of spur projects E.
	Begin abrupt descent.
40.00	Set a sandstone, 24x8x8 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 same hollow, 200 ft. deep, course NW.
	Begin abrupt ascent.
50.00	Top of rocky spur projects W.
	Begin abrupt descent.
54.00	Bottom of same hollow, 200 ft. deep, course NE.
	Begin abrupt ascent.
57.00	Top of rocky spur projects E.
	Begin abrupt descent.
61.00	Bottom of same hollow, 250 ft. deep, course NW.
	Begin abrupt ascent.
80.00	Set a sandstone, 20x10x10 ins., 20 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, $1\frac{1}{2}$ ft. high, W. of cor.
	Pits impracticable.
	Land mountainous.
	Soil; rocky, 4th rate.
	No timber.
	Mountainous land on 80.00 chs.
	East on a random line bet. secs. 26 and 35.
40.00	Set temp. $\frac{1}{4}$ sec. cor.

See Corrective Note Book 3 Page 2

SUBDIVISIONS OF T.10 S.,R.22 E.

CHAINS	
80.12	Intersect N. and S. line, 7 lks. S. of the cor. of secs. 25-26-35 and 36.
	Thence I run
	S.89°57'W. on a true line
	Bet. secs. 26 and 35.
	Ascend over mountainous land.
3.00	Top of spur projects N.
	Descend.
10.00	Bottom of hollow, 100 ft. deep, course N.
	Ascend.
14.50	Top of spur projects N.
	Descend.
25.00	Bottom of hollow, 75 ft. deep, course NE.
	Ascend.
29.00	Top of ridge bears NW. and SE.
	Begin abrupt descent.
37.00	Bottom of hollow, 150 ft. deep, course NW.
	Ascend.
40.06	Set a sandstone 24x12x10 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.
44.00	Bottom of hollow, 150 ft. deep, course N.
	Begin abrupt ascent.
54.00	Top of spur projects NW.
	Descend.
69.00	Bottom of hollow, 200 ft. deep, course N.
	Ascend.
76.50	Top of rocky spur projects NW.
	Begin abrupt descent.
80.12	The cor. of secs. 26-27-34 and 35.
	Land mountainous.

SUBDIVISIONS OF T.10 S.,R.22 E.

CHAINS.	
	Soil;rocky,4th rate.
	No timber.
	Mountainous land on 80.12 chs.

	North 0°01'W.,bet.secs.26 and 27.
	Ascend abruptly over rocky land.
4.50	Top of rocky spur projects W.
	Begin abrupt descent.
26.00	Bottom of hollow,400 ft.deep,course W.
	Begin abrupt ascent.
36.00	Top of spur projects W.
	Begin abrupt descent.
40.00	Set a sandstone,28x8x4 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.
58.00	Bottom of hollow,150 ft.deep,course W.
	Begin abrupt ascent.
66.50	Top of spur projects W.
	Begin abrupt descent.
72.00	Bottom of hollow,100 ft.deep,course W.
	Begin abrupt ascent.
78.50	Top of spur projects W.
	Descend.
80.00	Set a sandstone,20x8x6 ins.,15 ins.in the ground,for cor.of secs.22-23-26 and 27,marked with 2 notches on the S.and E.edges;and raise a mound of stone,2 ft.base, 1½ ft.high,W.of cor.
	Pits impracticable.
	Land mountainous.
	Soil;rocky,4th rate.
	No timber.
	Mountainous land on 80.00 chs.
	June 28:At this cor.,I set off 23°17'N.on the decl.

SUBDIVISIONS OF T.10 S.,R.22 E.

CHAINS	
	arc;and at 0h 03m p.m.,l.m.t.,observe the sun on the meridian;the resulting lat.is 39°56'N.

	N.89°57'E.on a random line bet.secs.23 and 26.
40.00	Set temp.$\frac{1}{4}$ sec.cor.
79.92	Intersect N.and S.line,3 lks.S.of the cor.of secs.23-24-25 and 26.
	Thence I run
	S.89°56'W.on a true line
	Bet.secs.23 and 26.
	Ascend over rocky land.
0.50	Top of spur projects N.
	Begin abrupt descent.
5.00	Bottom of hollow,150 ft.deep,course NW.
	Begin abrupt ascent.
12.00	Top of spur projects N.
	Begin abrupt descent.
23.00	Bottom of hollow,100 ft.deep,course NE.
	Begin abrupt ascent.
24.75	Top of spur projects NE.
	Begin abrupt descent.
28.00	Bottom of hollow,150 ft.deep,course NE.
	Begin abrupt ascent.
35.00	Top of spur projects N.
	Descend.
39.96	Set a sandstone,24x10x6 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.
	Pits impracticable.
44.00	Bottom of hollow,100 ft.deep,course N
	Ascend.
54.00	Top of ridge bears N.and S.
	Descend.
70.50	Bottom of hollow,100 ft.deep,course N.

SUBDIVISIONS OF T.10 S.,R.22 E.

CHAINS	
	Ascend.
79.00	Top of ridge bears N.and S.
	Descend.
79.92	The cor.of secs.22-23-26 and 27.
	Land mountainous.
	Soil;rocky,4th rate.
	No ti mber.
	Mountainous land on 79.92 chs.

	N.0°01'W.,bet.secs.22 and 23.
	Descend over rocky land.
4.00	Head of hollow,course SW.
	Ascend.
9.35	Top of ridge bears NE.and SW.
	Begin abrupt descent.
35.50	Bottom of hollow,450 ft.deep,course W.
	Begin abrupt ascent.
40.00	Set a sandstone,15x10x7 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.
53.00	Top of spur projects W.
	Begin abrupt descent.
73.50	Bottom of hollow,450 ft.deep,course W.
	Begin abrupt ascent.
80.00	Set a sandstone,30x12x8 ins.,22 ins.in the ground,for cor.of secs.14-15-22 and 23,marked with 3 notches on the S.and 2 notches on the E.edge;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.

SUBDIVISIONS OF T'10 S.R.22 E.

Chains.	
	N.89°56'E.on a random line bet.secs.14 and 23
40.00	Set temp.$\frac{1}{4}$ sec.cor.
64.06	Left bank of White River,course W.to NW.
	To pass river I offset S.2.00 chs.;thence N.89°56'E.
	16.00 chs.to
80.06	Intersect N.and S.line 7 lks.N.of the witness cor.to
	cor.of secs.13,14,23,and 24,set 2.00 chs.S.of true
	cor.point.
	Thence I run
	S.89°59'W.on a true line bet.secs.14 and 23
	Along south side of White River,over level bottom land;
	through dense greasewood brush.
16.00	I offset N.2.00 chs.to sec.line.
	Left bank of White River,1.75 chs.wide,course W.to NW.
	Leave bottom land and dense undergrowth,and ascend ab-
	ruptly over rocky land.
33.75	Top of rocky spur projects NE.
	Begin abrupt descent.
36.00	Bottom of hollow,200 ft.deep,course NE.
	Begin abrupt ascent.
40.03	Set a sandstone 24x10x6 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.
	Pits impracticable.
46.00	"Pride of West Lode",a gilsonite vein 15 ins.wide,
	bears NW.and SE.
48.00	Top of rocky spur projects NE.;descend.
53.50	Bottom of hollow 100 ft.deep,course NE.
	Ascend.
58.00	Top of ridge bears N.and S.
	Descend.
64.00	Bottom of hollow 100 ft.deep,course SW.
	Ascend.
67.50	Top of spur projects S.
	Descend.

SUBDIVISIONS OF T.10 S.R.22 E.

Chains.	
71.00	Bottom of hollow 100 ft.deep,course S.
	Ascend.
75.00	Top of spur projects SW.
	Descend.
79.50	Head of hollow,course S.
	Ascend.
80.06	The cor.of secs.14,15,22,and 23.
	Land mountainous.
	Soil rocky and sandy;3rd and 4th rate.
	No timber.
	Mountainous land or dense undergrowth on 80.06 chs.
	June 28,1904.

June 29: At 7 h.a.m.l.m.t.I set off 39°56'N.on the lat. arc;23°16'N.on the decl.arc;and determine a meridian with the solar at the cor.of secs.14,15,22,and 23.

Thence I run

N.0°01'W.bet.secs.14 and 15

	Ascend abruptly over sandstone ledges.
1.50	Top of sandstone spur projects SW.
	Begin abrupt descent over rocky land.
25.00	"Pride of West Lode",a gilsonite vein 12 ins.wide,bears NW.and SE..
40.00	Set a sandstone 18x12x5 ins.12 ins.in the ground,for $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on W.face;and raise a mound of stone 2 ft.base $1\frac{1}{2}$ ft.high W.of cor.
	Pits impracticable.
45.00	Bottom of hollow 300 ft.deep,course W.
	Begin abrupt ascent.
66.50	Top of spur projects W.
	Begin abrupt descent.

SUBDIVISIONS OF T.10 S.,R.22 E.

CHAINS	
	Begin abrupt ascent.
75.50	Bottom of hollow, 200 ft. deep, course W.
	Begin abrupt ascent.
80.00	Set a sandstone, 24x12x5 ins., 18 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.
	No timber.
	Mountainous land on 80.00 chs.

	N.89°59'E. on a random line bet. secs. 11 and 14.
40.00	Set temp. ¼ sec. cor.
79.98	Intersect N. and S. line, 5 lks. N. of the cor. of secs. 11-12-13 and 14.
	Thence I run
	N.89°59'W. on a true line
	Bet. secs. 11 and 14.
	Descend abruptly over rocky land.
5.00	Bottom of hollow, 300 ft. deep, course NE.
	Begin abrupt ascent.
10.25	Top of ridge bears NE. and SW.
	Begin abrupt descent.
19.00	Bottom of hollow, 150 ft. deep, course NE.
	Begin abrupt ascent.
24.00	Top of ridge bears N. and S.
	Begin abrupt descent.
30.00	Head of hollow, course N.
	Ascend.
37.00	Top of spur projects N.
	Descend.

SUBDIVISIONS OF T.10 S.,R.22 E.

CHAINS	
39.99	Set a sandstone,32x10x8 ins.,24 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.
44.50	Bottom of hollow,100 ft.deep,course N.
	Begin abrupt ascent.
48.00	Top of spur projects N.
	Descend.
51.00	Bottom of hollow,100 ft.deep,course N.
	Begin abrupt ascent.
58.00	Top of ridge bears NW.and SE.
	Descend.
76.00	Bottom of hollow,100 ft.deep,course SW.
	Begin abrupt ascent.
79.98	The cor.of secs.10-11-14 and 15.
	Land,mountainous.
	Soil;rocky,4th rate.
	No timber.
	Mountainous land on 79.98 chs.

	N.0°01'W.,bet.secs.10 and 11.
	Ascend over rocky land.
5.00	Top of spur projects SW.
	Begin abrupt descent.
10.50	Bottom of hollow,100 ft.deep,course W.
	Begin abrupt ascent.
17.00	Top of rocky spur projects W.
	Begin abrupt descent.
40.00	Set a sandstone,28x10x8 ins.;21 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	Enter bottom of Bitter Creek hollow,300 ft.deep, course NE.

SUBDIVISIONS OF T.10 S.,R.22 E.

CHAINS	
	Enter dense greasewood brush over level land.
73.00	Leave Bitter Creek hollow.
	Leave dense undergrowth.
	Begin abrupt ascent over rocky land.
75.00	Top of rocky spur projects SE.
	Descend.
77.50	Bottom of hollow,50 ft.deep,course SE.
	Ascend.
80.00	On top of spur projecting S.,
	Set a sandstone,24x12x4 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.
	Pits impracticable.
	Land mountainous.
	Soil;rocky and sandy,3rd and 4th rate.
	No timber.
	Mountainous land or dense undergrowth on 80.00 chs.
	June 29-At this cor.,I set off 23°14'N.on the decl. arc;and at 0 h 03m p.m.,l.m.t.,observe the sun on the meridian;the resulting lat.is 39°58'N.

	S.89°59'E.on a random line bet.secs.2 and 11.
40.00	Set temp.¼ sec.cor.
80.04	Intersect N.and S.line,5 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 abruptly over rocky land.
2.00	Top of spur projects N.
	Descend.
7.00	Head of hollow,course N.
	Ascend.
22.00	Top of spur projects N.

SUBDIVISIONS OF T.10 S.,R.22 E.

CHAINS	
	Descend.
30.00	Head of hollow, course N.
	Ascend.
34.00	Set a sandstone, 24x12x5 ins., 18 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked W·C $\frac{1}{4}$ on N. face; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor. Pits impracticable.
34.50	Top of spur projects N. Begin abrupt descent.
37.00	Enter bottom along White River, bearing N. and S.
	Enter dense greasewood brush over level land.
40.02	Point for $\frac{1}{4}$ sec. cor., falls in bottom land in dense undergrowth; cannot set.
63.00	Right bank of White River, 1.75 chs. wide, course NW.
65.50	Left bank of White River, at mouth of Bitter Creek hollow course NE.
70.00	Begin abrupt ascent over sandstone ledges, bearing SW. and NW.
	Leave dense undergrowth.
80.04	The cor. of secs. 2-3-10 and 11.
	Land mountainous.
	Soil; rocky and sandy, 3rd and 4th rate.
	No timber.
	Mountainous land or dense undergrowth on 80.04 chs.

	N. 0°01'W. on a random line bet. secs. 2 and 3.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.27	Intersect N. bdy. of the Tp., 5 lks. E. of the cor. of secs. 2-3-34 and 35., heretofore described.
	Thence I run
	S. 0°03'E. on a true line
	Bet. secs. 2 and 3.
	Descend abruptly over rocky land.
4.00	Bottom of hollow, 150 ft. deep, course NE.
	Begin abrupt ascent.
40.27	Set a sandstone, 15x12x6 ins., 10 ins. in the ground,

SUBDIVISIONS OF T.10 S., R.22 E.

CH. LINKS	
	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.
55.00	Top of rocky spur projects NE.
	Begin abrupt descent.
67.50	Bottom of hollow, 100 ft.deep, course E.
	Begin abrupt ascent.
75.00	Top of spur projects E.
	Begin abrupt descent.
80.27	The cor.of secs.2-3-10 and 11.
	Land, mountainous.
	Soil; rocky, third and fourth rate.
	No timber.
	Mountainous land on 80.27 chs.
	June 29, 1904.

	June 30: At 7h a.m., l.m.t., I set off 39°54'N.on the lat. arc; 23°17'N.on the decl.arc; and determine a meridian with the solar at the standard cor.of secs.33 and 34; on the Second Standard Parallel South, heretofore described.
	Thence I run
	N.0°02'W., bet.secs.33 and 34.
	Ascend abruptly over rocky land.
9.50	Top of rocky spur projects NE.
	Begin abrupt descent.
34.00	Bottom of hollow, 400 ft.deep, course NE.
	Begin abrupt ascent.
40.00	Point for $\frac{1}{4}$ sec.cor.falls on steep slope of sandstone spur and cannot be set.
42.10	Cut a cross(X)on side of sandstone spur, for witness cor.to $\frac{1}{4}$ sec.cor., marked W C $\frac{1}{4}$ on W.side of cross; and raise a mound of stone, 2 ft.base, $1\frac{1}{2}$ ft.high, W.of cor.
	Pits impracticable.
42.30	Top of sandstone spur projects NE.

See Corr. Notes P. Page 2

SUBDIVISIONS OF T.19 S., R.28 E.

CHAINS	
	Begin abrupt descent.
57.00	Bottom of ravine, 400 ft. deep, course NE.
	Begin abrupt ascent.
69.50	Top of ridge bears NE. and SW.
	Descend.
79.00	Bottom of hollow, 100 ft. deep, course W.
	Begin abrupt ascent.
80.00	Set a sandstone, 24x8x5 ins., 18 ins. in the ground, for cor. of secs. 27-28-33 and 34, marked with 3 notches on the E. and 1 notch on the S. edge; and raise a mound of stone 2 ft. base, 1½ ft. high, E. of cor.
	Pits impracticable.
	Land, mountainous.
	Soil: rocky, 4th rate.
	No timber.
	Mountainous land on 80.00 chs.

	Part on a random line bet. secs. 27 and 34:
40.00	Set temp. ¼ sec. cor.
69.10	Intersect N. and S. line, 3 lks. S. of the cor. of secs. 20-27-34 and 35
	Thence I run
	S. 89° 30' W. on a true line
	Bet. secs. 27 and 34.
	Over rocky land descend abruptly.
5.00	Bottom of hollow, 300 ft. deep, course NW. to SW.
	Begin abrupt ascent.
11.30	Top of spur projects S.
	Begin abrupt descent.
17.00	Bottom of hollow, 400 ft. deep, course NW.
	Begin abrupt ascent.
22.32	Top of rocky spur projects NW.
	Begin abrupt descent.
34.00	Enter bottom of Bitter Creek Hollow, 500 ft. deep, course

SUBDIVISIONS OF T.10 S.,R.22 E.

CHAINS	
	N.
	Enter dense greasewood brush.
40.08	Set a sandstone,28x10x8 ins.,21 ins.in the ground,for $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on N.face;dig pits,18x18x12 ins., E.and W.of stone,3 ft.dist.;and raise a mound of earth $3\frac{1}{2}$ ft.base,$1\frac{1}{2}$ ft.high,N.of cor.
	Leave bottom of hollow,course N. Leave undergrowth.
49.00	Begin abrupt ascent over rocky land.
74.00	Top of rocky spur projectsN.
	Begin abrupt descent.
80.16	The cor.of secs.27-28-33 and 34.
	Land,mountainous.
	Soil;rocky and sandy,3rd and 4th rate.
	No timber.
	Mountainous land or dense undergrowth on 80.16 chs.

	N.0°02'W.,bet.secs.27 and 28.
	Ascend over rocky land.
2.00	Top of rocky spur projects NW.
	Begin abrupt descent.
9.50	Bottom of hollow,400 ft.deep,course NE.
	Begin abrupt ascent.
40.00	Set a sandstone,14x10x7 ins.,9 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.
41.00	Top of spur projects NE.
	Begin abrupt descent.
62.00	Bottom of hollow,400 ft.deep,course NE.
	Begin abrupt ascent.
71.00	Top of ridge bears NE.and SW.
	Descend.
80.00	Set a sandstone,20x10x4 ins.,15 ins.in the ground,for cor.of secs.21-22-27 and 28,marked with 2 notches on

SUBDIVISIONS OF T.10 S.,R.22 E.

CHAINS	
	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 on 80.00 chs.
	June 30:At this cor.,I set off 23°11'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°56'N.

	N.89°59'E.on a random line bet.secs.22 and 27.
40.00	Set temp.¼ sec.cor.
79.98	Intersect N.and S.line,5 lks.N.of the cor.of secs.22-23 26-27.
	Thence I run
	N.89°59'W.on a true line
	Bet.secs.22 and 27.
	Descend abruptly over rocky land.
8.00	Bottom of hollow,150 ft.deep,course SW.
	Begin abrupt ascent.
12.00	Top of rocky spur projects SW.
	Begin abrupt descent.
28.00	Enter bottom of Bitter Creek Hollow,500 ft.deep,course N.
	Over level land through dense greasewood brush.
39.99	Set a sandstone,20x8x8 ins.,15 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.
41.50	Leave bottom of hollow,bearing N.and S.
	Leave dense undergrowth.
57.00	Top of rocky spur projects NE.
	Begin abrupt descent.

SUBDIVISIONS OF T.10 S.,R.22 E.

CHAINS	
72.50	Bottom of hollow,150 ft.deep,course NE.
	Begin abrupt ascent.
76.00	Top of spur projects NE.
	Descend.
79.98	The cor.of secs.21-22-27 and 28.
	Land,mountainous.
	Soil;rocky and sandy;3rd and 4th rate.
	No timber.
	Mountainous land or dense undergrowth 79.98 chs.

	N.0°02'W.,bet.secs.21 and 22.
	Descend abruptly over rocky land.
1.75	Bottom of hollow,100 ft.deep,course NE.
	Begin abrupt ascent.
4.50	Top of spur projects NE.
	Descend.
20.50	Bottom of hollow,150 ft.deep,course E.
	Begin abrupt ascent.
35.00	Top of ridge bears NE.and SW.
	Descend.
40.00	Set a sandstone,24x12x4 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.
80.00	Set a sandstone,28x10x6 ins.,21 ins.in the ground,for cor.of secs.15-16-21 and 22,marked
	10 S on NE.,and
	22E on SE.face;with 3 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,4th rate.
	No timber.
	Mountainous land on 80.00 chs.

SUBDIVISIONS OF T.10 S.,R.22 E.

CHAINS	
	S.89°59'E.on a random line bet.secs.15 and 22.
40.00	Set temp.¼ sec.cor.
80.06	Intersect N.and S.line,7 lks.N.of the cor.of secs.14-15-22 and 23.
	Thence I run
	N.89°56'W.on a true line
	Bet.secs.15 and 22.
	Begin abrupt ascent over sandstone ledges.
1.50	Top of sandstone spur projects SW.
	Begin abrupt descent.
16.00	Enter bottom of Bitter Creek hollow,500 ft.deep,course N.
	Over level bottom land through dense greasewood brush.
27.00	Leave bottom of hollow and dense undergrowth.
	Begin abrupt ascent over rocky land.
38.50	Top of spur projects NE.,400 ft.above bottom of hollow.
40.03	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.
47.50	Head of hollow,course NE.
	Ascend.
68.00	Top of spur projects NE.
	Descend.
80.06	The cor.of secs.15-16-21 and 22.
	Land,mountainous.
	Soil;rocky and sandy,3rd and 4th rate.
	No timber.
	Mountainous land or dense undergrowth on 80.06 chs.

June 30,1904.

JULY 1,1904:At 7 h a.m.,l.m.t.,I set off 39°56'N.on the lat.arc;23°9'N.on the decl.arc;and determine a meridian with the solar at the cor.of secs.15-16-21 and 22.

SUBDIVISIONS OF T.10 S.,R.22 E.

CHAINS	
	Thence I run
	N.0°02'W.,bet.secs.15 and 16.
	Descend over broken mountainous land.
2.00	Bottom of hollow,100 ft.deep,course E.
	Ascend.
8.00	Top of spur projects E.
	Descend.
12.00	Bottom of hollow,100 ft.deep,course E.
	Ascend.
15.00	Top of spur projects NE.
	Begin abrupt descent.
32.00	Bottom of hollow,100 ft.deep,course E.
	Begin abrupt ascent.
35.00	Top of spur projects E.
	Begin abrupt descent.
39.50	Bottom of hollow,100 ft.deep,course E.
	Ascend.
40.00	Set a sandstone,24x10x6 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.
41.50	Top of spur projects E.
	Descend.
44.00	Bottom of hollow,100 ft.deep,course SE.
	Ascend.
64.00	Top of ridge bears NE.and SW.
	Descend.
70.00	Bottom of hollow,100 ft.deep,course NE.
	Begin abrupt ascent.
75.00	Top of spur projects E.
	Begin abrupt descent.
78.50	Bottom of hollow,100 ft.deep,course SE.
	Begin abrupt ascent.
80.00	Set a sandstone,24x12x5 ins.,18 ins.in the ground,for

SUBDIVISIONS OF T.10 S., R.22 E.

CHAINS	
	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; 4th rate.
	No timber.
	Mountainous land on 80.00 chs.

	S. 89°56'E. on a random line bet. secs. 10 and 15.
40.00	Set temp. ¼ sec. cor.
80.08	Intersect N. and S. line, 3 lks. S. of the cor. of secs. 10-11-14 and 15.
	Thence I run
	N. 89°57'W. on a true line
	Bet. secs. 10 and 15.
	Ascend over rocky land.
4.00	Top of spur projects SW.
	Begin abrupt descent.
12.00	Enter bottom of Bitter Creek hollow, 500 ft. deep, course N.
	Over level bottom land through dense greasewood brush.
24.00	Leave bottom of hollow, bearing N. and S.
	Leave dense undergrowth.
35.00	Top of spur projects NE.
	Descend.
40.04	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.
45.50	Bottom of hollow, 100 ft. deep, course NE.
	Begin abrupt ascent.
66.00	Top of spur projects NE.
	Descend.

SUBDIVISIONS OF T.10 S.,R.22 E.

CHAINS	
69.00	Bottom of hollow,100 ft.deep,course NE.
	Ascend.
75.50	Top of spur projects SE.
	"Pride of West Lode",a gilsonite vein,6 ins.wide,bears NW.and SE.
	Descend.
80.08	The cor.of secs.9-10-15 and 16.
	Land,mountainous.
	Soil;rocky and sandy,3rd and 4th rate.
	No timber.
	Mountainous land or dense undergrowth on 80.08 chs.

	N.0°02'W.,bet.secs.9 and 10.
	Ascend over rocky land.
0.90	"Pride of West Lode",a gilsonite vein,6 ins.wide,bears NW.and SE.
14.50	Top of ridge bears NW.and SE.
	Descend.
38.50	Bottom of hollow,150 ft.deep,course SE.
	Begin abrupt ascent.
40.00	Set a sandstone,24x6x6 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 ridge bears E.and W.
	Descend.
79.00	Bottom of hollow,150 ft.deep,course NE.
	Ascend.
80.00	Set a sandstone,24x8x6 ins.,18 ins.in the ground,for cor.of secs.3-4-9 and 10,marked with 5 notches on the S. and 3 notches on the E.edge;and raise a mound of stone, 2 ft.base,1½ ft.high,W.of cor.
	Land,mountainous.
	Soil;rocky,4th rate.
	No timber.

SUBDIvisions of T.10 S.,R.22 E.

CHAINS	
	Mountainous land on 80.00 chs.
	JULY 1:At this cor.,I set off 23°7'N.on the decl.arc; and at 0 h 04m p.m.,l.m.t.,observe the sun on the meridian ;the resulting lat.is 39°58'N.

	S.89°57'E.on a random line bet.secs.3 and 10.
40.00	Set temp.¼ sec.cor:
79.88	Intersect N.and S.line;5 lks.S.of the cor.of secs. 2-3-10 and 11.
	Thence I run
	N.89°59'W.on a true line
	Bet.secs.3 and 10.
	Descend abruptly over rocky land.
2.25	Bottom of hollow,100 ft.deep,course SE.
	Begin abrupt ascent.
13.00	Top of spur projects SE.
	Descend.
26.00	Head of hollow,course SE.
	Begin abrupt ascent.
39.94	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.
42.00	Top of ridge bears NE.and SW.
	Descend.
77.50	Bottom of hollow,150 ft.deep,course NE.
	Ascend.
79.88	The cor.of secs.3-4-9 and 10.
	Land,mountainous.
	Soil;rocky,4th rate.
	No timber.
	Mountainous land on 79.88 chs.

SUBDIVISIONS OF T.10 S.,R.22 E.

CHAINS	
	N.0°02'W.,on a random line bet.secs.3 and 4.
40.00	Set temp.¼ sec.cor.
80.21	Intersect N.bdy.of the Tp.,9 lks.E.of the cor.of secs. 3-4-33 and 34,heretofore described.
	Thence I run
	S.0°06'E.on a true line
	Bet.secs.3 and 4.
	Descend over rocky broken land.
40.21	In bottom of hollow,100 ft.deep,course NW.
	Set a sandstone,24x 8x 4ins.,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.
	Ascend.
45.00	Top of spur projects E. Descend.
51.00	Bottom of hollow,100 ft.deep,course NE.
	Ascend.
56.00	Top of spur projects W,
	Descend.
61.50	Bottom of hollow,100 ft.deep,course NW.
	Ascend.
71.00	Top of spur projects E.
	Descend.
80.21	
	The cor.of secs.3-4-9 and 10.
	Land,mountainous.
	Soil;rocky,4th rate.
	No timber.
	Mountainous land on 80.21 chs.
	July 1st,1904.

July2:At 7h a.m,l.m.t.,I set off 39°54'N.on the lat. arc;23°4'N.on the decl.arc;and determine a meridian with the solar at the standard cor.of secs.32 and 33,on the Second Prallel South,heretofore described.

Thence I run

N.0°03'W.,bet.secs.32 and 33.

SUBDIVISIONS OF T.10 S.,R.22 E.

CHAINS	
	Descend over rocky land through dense artemisia.
3.50	Head of hollow, course E.
	Ascend.
11.00	Top of ridge bears NE. and SW.
	Descend.
40.00	Set a sandstone, 28x8x6 ins., 21 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
	Pits impracticable.
48.00	Bottom of hollow, 100 ft. deep, course NE.
	Ascend.
69.00	Top of ridge bears NE. and SW.
	Descend.
80.00	Set a sandstone, 24x10x5 ins., 18 ins. in the ground, for cor. of secs. 28-29-32 and 33, marked with 1 notch on the S. and 4 notches on the E. edge; 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 and dense undergrowth on 80.00 chs.

	East on a random line bet. secs. 28 and 33.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.02	Intersect N. and S. line, 7 lks. S. of the cor. of secs. 27-28-33 and 34.
	Thence I run
	S. 89° 57' W. on a true line
	Bet. secs. 28 and 33.
	Descend abruptly over rocky land.
3.00	Bottom of hollow, 150 ft. deep, course N.
	Begin abrupt ascent.
7.00	Top of rocky spur projects N.

SUBDIVISIONS OF T.10 S.,R.22 E.

CHAINS	
	Descend.
11.00	Bottom of hollow, 200 ft. deep, course N.
	Begin abrupt ascent.
14.50	Top of rocky spur projects N.
	Begin abrupt descent.
17.00	Bottom of hollow, 150 ft. deep, course NE.
	Begin abrupt ascent.
23.00	Top of rocky spur projects S.
	Begin abrupt descent.
25.00	Bottom of same hollow, 150 ft. deep, course SE.
	Begin abrupt ascent.
29.00	Top of spur projects N.
	Begin abrupt descent.
31.00	Bottom of same hollow, 150 ft. deep, course NE.
	Begin abrupt ascent.
40.01	Set a sandstone, 24x12x4 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.
	Pits impracticable.
49.00	Top of ridge bears NE. and SW.
	Descend.
65.00	Bottom of hollow, 100 ft. deep, course NE.
	Ascend.
80.02	The cor. of secs. 28-29-32 and 33.
	Land, mountainous.
	Soil; rocky 4th rate.
	No timber.
	Mountainous land and dense undergrowth on 80.02 chs.

	N. 0°03' W., bet. secs. 28 and 29.
	Over rolling land descend through dense artemisia.
18.00	Bottom of hollow, 100 ft. deep, course NE.
	Ascend.
40.00	Set a sandstone, 20x6x6 ins., 15 ins. in the ground, for

SUBDIVISIONS OF T.10 S.,R.22 E.

CHAINS	
	$\frac{1}{4}$ 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.
50.00	Top of ridge bears NE.and SW.
	Descend.
80.00	Set a sandstone,28x15x10 ins.,21 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 raisea mound of stone,2 ft.base,$1\frac{1}{2}$ ft.high,W.of cor.
	Pits impracticable.
	Land mountainous,and rolling.
	Soil;rocky;4th rate. No timber.
	Mountainous land or dense undergrowth on 80.00 chs.
	July 2:At this cor.,I set off 23°3'N.on the decl. arc;and,at 0 h 04m p.m.,l.m.t.,observe the sun on the meridian;the resulting lat.is 39°56'N.

	N.89°57'E.on a random line bet.secs.21 and 28.
40.00	Set temp.$\frac{1}{4}$ sec.cor.
80.10	Intersect N.and S.line,3 lks.N.of the cor.of secs. 21-22-27 and 28.
	Thence I run
	S.89°58'W.on a true line
	Bet.secs.21 and 28.
	Descend abruptly over rocky land.
2.50	Bottom of hollow,100 ft.deep,course NE.
	Begin abrupt ascent.
20.00	Top of ridge bears NE.and SW.
	Descend.
30.50	Head of hollow,course NE.
	Begin abrupt ascent.
35.00	Top of ridge bears NE.and SW.
	Descend over rolling land.
40.05	Set a sandstone,24x8x4 ins.,18 ins.in the ground,for $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on N.face;and raise a mound of

SUBDIVISIONS OF T.10 S.,R.22 E.

CHAINS	
	stone, 2 ft. high, 1½ ft. high, N. of cor.
	Pits impracticable.
80.10	The cor. of secs. 20-21-28 and 29.
35 10 / 45 10	Land mountainous and rolling.
	Soil; rocky, 4th rate.
	No timber.
	Mountainous land on 35.00 chs.

	N. 0°03' W., bet. secs. 20 and 21.
	Descend, over rocky land.
2.00	Bottom of hollow, 100 ft. deep, course NE.
	Ascend.
5.00	Top of ridge bears NE. and SW.
	Descend over rolling land.
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, 20x15x7 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.
5 00 / 75 10	Pits impracticable.
	Land mountainous and rolling.
	Soil; rocky, 4th rate.
	No timber.
	Mountainous land on 5.00 chs.

	N. 89°58' E. on a random line bet. secs. 16 and 21.
40.00	Set temp. ¼ sec. cor.
80.02	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

SUBDIVISIONS OF T.10 S.,R.22 E.

CHAINS	
	Bet,secs.16 and 21.
	Ascend over rocky land.
23.00	Top of ridge bears N.and S.
	Descend.
40.01	Set a sandstone,20x10x5 ins.,15 ins.in the ground,for $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on N.face;and raise a mound of stone,2 ft.base,$1\frac{1}{2}$ ft.high,N.of cor.
	Pits impracticable.
70.50	Bottom of hollow,100 ft.deep,course NW.
	Ascend.
79.00	Top of spur projects N.
	Descend.
80.02	The cor.of secs.16-17-20 and 21.
	Land,mountainous.
	Soil;rocky,4th rate.
	No timber.
	Mountainous land on 80.02 chs.
	July 2,1904.

	July 3:At 7h a.m.,l.m.t.,I set off 39°56'N.on the lat. arc;23°00'N.on the decl.arc;and determine a meridian with the solar at the cor.of secs.16-17-20 and 21.
	Thence I run
	N.0°03'W.,bet.secs.16 and 17.
	Descend over rocky land through dnse artemisia.
15.00	Bottom of hollow,75 ft.deep,course NW.
	Ascend.
19.75	Top of spur projects W.
	Descend.
40.00	Set a sandstone,28x18x5 ins.,21 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.

SUBDIVISIONS OF T.10 S.,R.22 E.

CHAINS	
40.60	Bottom of hollow,100 ft.deep,course NE.
	Ascend.
56.00	Top of spur projects E.
	Descend.
69.00	Bottom of same hollow,100 ft.deep,course NW.
	Ascend.
80.00	Set a sandstone,24x8xx6 ins.,18 ins.in the ground,for cor.of secs.8-9-16 and 17,marked with 4 notches on the S.and E.edges;dig pits,18x18x12 ins.in each sec.,5½ ft.dist.;and raise a mound of earth,4 ft.base,2 ft.high, W.of cor.
	Land,mountainous.
	Soil;rocky and sandy;3rd and 4th rate.
	No timber.
	Mountainous land and dense undergrowth on 80.00 chs.

	S.89°58'E.on a random line bet.secs.9 and 16.
40.00	Set temp.¼ sec.cor.
79.96	Intersect N.and S.line,3 lks.N.of the cor.of secs. 9-10-15 and 16.
	Thence I run
	N.89°57'W.on a true line
	Bet.secs.9 and 16.
	Descend abruptly over rocky land.
2.50	Bottom of hollow,100 ft.deep,course SE.
	Begin abrupt ascent.
20.00	Top of ridge bears N.and S.
	Descend.
39.98	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.
53.75	Bottom of hollow,100 ft.deep,course NW.
	Ascend.

SUBDIVISIONS OF T.10 S.,R.22 E.

CHAINS	
58.00	Top of spur projects N.
	Descend.
64.00	Bottom of hollow,100 ft.deep,course NW.
	Ascend.
71.00	Top of ridge bears N.and S.
79.96	The cor.of secs.8-9-16 and 17.
	Land mountainous.
	Soil:rocky and sandy,3rd and 4th rate.
	No timber.
	Mountainous land on 79.96 chs.

	N.0°03'W.,bet.secs.8 and 9.
	Ascend over rocky land.
14.50	Top of spur projects W.
	Descend.
20.00	Bottom of hollow,100 ft.deep,course NE.
	Ascend.
37.00	Top of rocky spur projects E.
	Begin abrupt descent.
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.
42.00	Bottom of hollow,150 ft.deep,course NE. Ascend.
67.25	Top of rocky spur projects E.
	Descend.
78.00	Bottom of hollow,100 ft.deep,course NE.
	Ascend.
80.00	Set a sandstone,28x6x6 ins.,21 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 and sandy,3rd and 4th rate.
	No timber.

SUBDIVISIONS OF T.10 S., R.22 E.

CHAINS	
	Mountainous land on 80.00 chs.
	July 3: At this cor., I set off 22°58'N. on the decl. arc; and at 0h 04m p.m., l.m.t., observe the sun on the meridian; the resulting lat. is 39°58'N.

	S.89°57'E. on a random line bet. secs. 4 and 9.
40.00	Set temp. ¼ sec. cor.
79.94	Intersect N. and S. line, 9 lks. S. of the cor. of secs. 3-4-9 and 10.
	Thence I run S.89°59'W. on a true line
	Bet. secs. 4 and 9.
	Ascend over rocky and broken land.
39.97	Set a sandstone, 24x10x6 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.
46.00	Top of ridge bears N. and S.
	Begin abrupt descent.
74.75	Bottom of hollow, 150 ft. deep, course N.
	Ascend.
79.94	The cor. of secs. 4-5-8 and 9.
	Land, mountainous.
	Soil; rocky, 4th rate.
	No timber.
	Mountainous land on 79.94 chs.

	N.0°03'W., on a random line bet. secs. 4 and 5.
40.00	Set temp. ¼ sec. cor.
80.25	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°10'E. on a true line
	Bet. secs. 4 and 5:
	Over broken rocky land ascend abruptly.

SUBDIVISIONS OF T.10 S.,R.22 E.

CHAINS	
20.25	Top of ridge bears E.and W.
	Begin abrupt descent.
25.00	Bottom of hollow,150 ft.deep,course NE.
	Ascend.
37.00	Top of spur projects W.
	Descend.
40.25	Set a sandstone,22x8x4 ins.,16 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.
44.00	Bottom of same hollow,150 ft.deep,course NW.
	Ascend.
68.00	Top of spur projects E.
	Descend.
80.25	The cor.of secs.4-5-8 and 9.
	Land,mountainous.
	Soil;rocky and sandy,3rd and 4th rate.
	No timber.
	Mountainous land on 80.25 chs.

July 3,1904.

July 4:At 7h a.m.,l.m.t.,I set off 39°54'N.on the lat. arc;22°55'N.on the decl.arc;and determine a meridian with the solar at the standard cor.of secs.31 and 32, on the Second Standard Parallel South,heretofore described. Thence I run

N.0°03'W.,bet.secs.31 and 32.

	Over rocky land ascend through dense artemisia.
3.00	Top of rocky ridge bears E.and W.
	Descend.
38.00	Bottom of hollow,100 ft.deep,course NW.
	Ascend.
40.00	Set a sandstone,20x10x8 ins.,15 ins.in the ground,for ¼ sec.cor.,marked ¼ on W.face;and raise a mound of

SUBDIVISIONS OF T.10 S.,R.22 E.

CHAINS	
	stone,2 ft.base,1½ ft.high,W.of cor.
	Pits impracticable.
60.50	Top of ridge bears NW.and SE.
	Descend.
79.00	Bottom of hollow,100 ft.deep,course NW.
	Ascend.
80.00	Set a sandstone,18x8x6 ins.,12 ins.in the ground,for cor.of secs.29-30-31 and 32,marked with 5 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 and dense undergrowth on 80.00 chs.

	E.on a random line bet.secs.29 and 32.
40.00	Set temp.¼ sec.cor.
79.96	Intersect N.and S.line,3 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.
	Over rolling land ascend through dense artemisia.
38.00	Top of ridge bears N.and S.
	Descend.
39.98	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.
50.00	Bottom of hollow,100 ft.deep,course NW.
	Ascend.
58.00	Top of spur projects N.
	Descend.

SUBDIVISIONS OF T.10 S.,R.22 E.

CHAINS	
79.96	The cor.of secs.29-30-31 and 32.
	Land mountainous and rolling.
	Soil;rocky,4th rate.
	No timber.
	Mountainous land and dense undergrowth on 79.96 chs.

	West on a random line bet.secs.30 and 31.
40.00	Set temp.$\frac{1}{4}$ sec.cor.
72.37	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.
	Ascend over rocky land.
5.00	Top of spur projects NW.
	Descend.
31.50	Bottom of hollow,100 ft.deep,course NW.
	Ascend.
32.37	Set a sandstone,20x8x8 ins.,15 ins.in the ground,for $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on N.face;and raise a mound of stone,2 ft.base,1$\frac{1}{2}$ ft.high,N.of cor.
	Pits impracticable.
63.00	Top of ridge bears NW.and SE.
	Descend.
71.75	Bottom of hollow,100 ft.deep;course N.
	Ascend.
72,37	The cor.of secs.29-30-31 and 32.
	Land,mountainous.
	Soil;rocky,4th rate.
	No timber.
	Mountainous land on 72.37 chs.
	JULY 4:At this cor.,I set off 22°53'N.on the decl.arc; and at 0 h 04m p.m.,l.m.t.,observe the sun on the meridian;the resulting lat.is 39°55'N.

SUBDIVISIONS OF T.10 S.,R.22 E.

CHAINS	
	N.0°03'W.,bet.secs.29 and 30.
	Descending through dense artemisia.
1.00	Enter bottom of hollow,course N.
40.00	Leave bottom of hollow,course NE. Ascend.
	Set a sandstone,18x8x5 ins.,12 ins.in the ground,for $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on W.face;dig pits,18x18x12 ins., N.and,S.of stone,3 ft.dist.;and raise a mound of earth,$3\frac{1}{2}$ ft.base,$1\frac{1}{2}$ ft.high,W.of cor.
49.50	Top of spur projects E.
	Descend.
80.00	Set a sandstone,20x8x6 ins.,15 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,$1\frac{1}{2}$ ft.high,W.of cor.
	Pits impracticable.
	Land,mountainous and rolling.
	Soil;sandy and rocky,3rd and 4th rate.
	No timber.
	Mountainous land or dense undergrowth on 80.00 chs.

	N.89°59'E.on a random line bet.secs.20 and 29.
40.00	Set temp.$\frac{1}{4}$ sec.cor.
80.08	Intersect N.and S.line,7 lks.S.of the cor.of secs. 20-21-28 and 29.
	Thence I.run
	S.89°56'W.on a true line
	Bet.secs.20 and 29.
	Descend over rocky land through dense artemisia.
3.50	Bottom of hollow,100 ft.deep,course NE.
	Ascend.
20.20	Top of ridge bears NE.and SW.
	Descend.
40.04	Set a sandstone,30x10x4 ins.,22 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.

SUBDIVISIONS OF T.10 S.,R.22 E.

CHAINS	
	Pits impracticable.
42.50	Bottom of hollow,100 ft.deep,course NW.
	Ascend.
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.

	S.89°58'W.on a random line bet.secs.19 and 30.
40.00	Set temp.¼ sec.cor.
72.81	Intersect W.bdy.of the Tp.,9 lks.N.of the cor.of secs.19-24-25 and 30,heretofore described.
	Thence I run
	N.89°54'E.on a true line
	Bet.secs.19 and 30.
	Ascend over rocky broken land .
32.81.	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.
53.00	Top of ridge bears N.and S.
	Begin abrupt descent.
72.81	The cor.of secs.19-20-29 and 30.
	Land,mountainous.
	Soil;rocky,4th rate.
	No timber.
	Mountainous land on 72.81 chs.
	July 4,1904.

	July 5:At 7h a.m.,l.m.t.,I set off 39°56'N.on the lat. arc;22°50'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

SUBDIVISIONS OF T.10 S.,R.22 E.

CHAINS	
	N.0°03'W.,bet.secs.19 and 20.
	Descend over rocky land through dense artemisia.
6.00	Bottom of hollow,100 ft.deep,course NE.
	Ascend.
17.00	Top of spur projects NE.
	Descend.
24.00	Bottom of hollow,100 ft.deep,course NE.
	Ascend.
33.00	Top of spur projects NE.
	Descend.
40.00	Set a sandstone,24x12x6 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.
62.00	Bottom of two hollows at their junction,courses NE.and SW.respectively,100 ft.deep;
	Thence along bottom of hollow,course N.
80.00	In bottom of same hollow,course 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 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.17 and 20.
40.00	Set temp.¼ sec.cor.
80.06	Intersect N.and S.line,7 lks.N.of the cor.of secs. 16-17-20 and 21.
	Thence I run
	S.89°59'W.on a true line

SUBDIVISIONS OF T.10 S.,R.22 E.

CHAINS	
	Bet.secs.17 and 20.
	Descend over rocky land.
15.50	Bottom of hollow,75 ft.deep,course NE.
	Ascend.
29.00	Top of ridge bears N.and S.
	Descend.
40.03	Set a sandstone,18x8x6 ins.,12 ins.in the ground.
	for $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on N.face;and raise a mound of
	stone,2 ft.base,$1\frac{1}{2}$ ft.high,N.of cor.
	Pits impracticable.
57.00	Bottom of hollow,75 ft.deep,course SW.
	Ascend.
65.00	Top of spur projects S.
	Descend.
80.06	In bottom of hollow,100 ft.deep,course NW.
	The cor.of secs.17-18-19 and 20.
	Land,mountainous.
	Soil;rocky,4th rate.
	No timber.
	Mountainous land on 80.06 chs.

	S.89°54'W.on a random line bet.secs.18 and 19
40.00	Set temp.$\frac{1}{4}$ sec.cor.
73.11	Intersect W.bdy.of the Tp.,7 lks.N.of the cor.of
	secs.13-18-19 and 24,heretofore described.
	Thence I run N.89°51'E.on a true line
	Bet.secs.18 and 19.
m	Descend over rocky land.
10.00	Head of hollow,course S.
	Ascend.
15.15	Top of ridge bears NW.and SE.
	Descend.
24.75	Head of hollow,course NW.
	Ascend.

SUBDIVISIONS OF T.10 S.,R.22 E.

CHAINS	
28.00	Top of rocky spur projects N.
	Descend.
33.11	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.
44.00	Head of hollow course NW.;ascend.
48.50	Top of rocky ridge bears NW.and SE.
	Begin abrupt descent.
54.00	Bottom of hollow,100 ft.deep,course N.
	Begin abrupt ascent.
62.00	Top of rocky spur projects N.
	Begin abrupt descent.
73.11	In bottom of hollow,course NW.
	The cor.of secs.17-18-19 and 20.
	Land,mountainous.
	Soil;rocky,third rate.
	No timber.
	Mountainous land on 73.11 chs.
	July 5th:At this cor.,I set off 22°48'N.on the decl. arc;and at 0h.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.17 and 18.
	Ascend over rocky land through dense artemisia.
9.50	Top of spur projects NW.
	Descend.
22.00	Bottom of hollow,100 ft.deep,course W.
	Begin abrupt ascent.
40.00	On top of ridge bearing E.and W.,
	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.
45.00	Bottom of hollow,75 ft.deep,course E.

SUBDIVISIONS OF T.10 S.,R.22 E.

CHAINS	
	Ascend.
53.00	Top of ridge bears E.and W.
	Descend.
80.00	Set a sandstone,24x10x7 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 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.8 and 17.
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'W.on a true line
	Bet.secs.8 and 17.
	Descend through dense artemisia.
5.50	Bottom of hollow,100 ft.deep,course N.
	Ascend.
34.00	Top of spur projects NE.
	Descend.
40.02	Set a sandstone,20x10x6 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.
49.50	Bottom of hollow,150 ft.deep,course NE.
	Begin abrupt ascent.
62.00	Top of ridge bears NE.and SW.
	Descend.

SUBDIVISIONS OF T.10 S.,R.22 E.

CHAINS	
77.50	Bottom of hollow,100 ft.deep,course N.
	Descend.
80.04	The cor.of secs.7-8-17 and 18.
	Land mountainous.
	Soil;rocky,4th rate.
	No timber.
	Mountainous land and dense artemisia,on 80.04 chs.

	S.89°51'W.on a random line bet.secs.7 and 18.
40.00	Set temp.¼ sec.cor.
73.33	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°49'E.on a true line
	Bet.secs.7 and 18.
	Descend over rocky land.
6.00	Enter bottom of Nashio's Draw,200 ft.deep,course N.
	Over level bottom land.
12.00	Leave bottom of draw,course N.
	Begin abrupt ascent over rocky land,bearing N.and S.
25.00	Top of rocky spur projects NW.
	Begin abrupt descent.
33.33	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,3 ft.base,1½ ft.high,N.of cor.
	Pits impracticable.
35.25	Bottom of hollow,150 ft.deep,course NW.
	Begin abrupt ascent .
59.00	Top of spur projects NW.
	Descend.
64.00	Bottom of hollow,100 ft.deep,course N. Ascend.
69.50	Top of spur projects N. Descend.
73.33	The cor.of secs.7,8,17,and 18.
	Land mountainous.
	Soil rocky;4th rate.

SUBDIVISIONS OF T.10 S.,R.22 E.

CHAINS	
	No timber.
	Mountainous land 73.33 chs. July 5,1904.

	July 6:At 7h a.m.,l.m.t.,I set off 39°57'N.on the lat. arc;22°44'N.on the decl.arc;and determine a meridian with the solar at the cor.of secs.7-8-17 and 18.
	Thence I run
	N.0°03'W.,bet,secs.7 and 8.
	Descend over rocky land.
12.00	Bottom of hollow,100 ft.deep,course W.
	Ascend.
24.00	Top of ridge bears E.and 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.
63.00	Bottom of hollow,100 ft.deep,course NW.
	Begin abrupt ascent.
77.00	Top of ridge bears NE.and SW.
	Descend.
80.00	Set a sandstone,24x8x8 ins.,18 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 on 80.00 chs.

	N.89°57'E.on a random line,bet.secs.5 and 8.
40.00	Set temp.¼ sec.cor.,
80.08	Intersect N.and S.line,3 lks.S.of the cor.of secs.

SUBDIVISIONS OF T.10 S.,R.22 E.

CHAINS	
	4-5-8 and 9.
	Thence I run
	S.89°56'W.on a true line
	Bet.secs.5 and 8.
	Ascend abruptly over rocky land.
18.50	Top of ridge bears NE.and SW.
	Begin abrupt descent.
25.00	Bottom of hollow,150 ft.deep,course NE.
	Begin abrupt ascent.
40.04	On top of spur projecting N.
	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.
45.00	Bottom of hollow,150 ft.deep,course N.
	Begin abrupt ascent.
54.00	Top of ridge bears N.and S.
	Descend.
60.00	Bottom of hollow,100 ft.deep,course N.
	Ascend.
79.00	Top of spur projects N.
	Descend.
80.08	The cor.of secs.5-6-7 and 8.
	Land,mountainous.
	Soil;rocky,4th rate.
	No timber.
	Mountainous land.on 80.08 chs.

	S.89°49'W.on a random line bet.secs.6 and 7.
40.00	Set temp.¼ sec.cor.
73.63	Intersect W.bdy.of the Tp.,19 lks.N.of the cor.of secs. 1-6-7 and 12,heretofore described.
	Thence I run
	N.89°41'E.on a true line

SUBDIVISIONS OF T.10 S.,R.22 E.

CHAINS	
	Bet.secs.6 and 7.
	Over rocky land ascend abruptly.
8.50	Top of ridge bears N.and S.
	Descend.
18.00	Bottom of hollow,150 ft.deep,course N.
	Ascend.
29.50	Top of ridge bears N.and S.
	Begin abrupt descent.
33.63	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.
46.40	Bottom of hollow,200 ft.deep,course NW.
	Begin abrupt ascent.
62.50	Top of spur projects N.
	Descend.
67.50	Bottom of hollow,100 ft.deep,course N.
	Ascend.
73.63	The cor.of secs.5-6-7 and 8.
	Land,mountainous.
	Soil;rocky,4th rate.
	No timber.
	Mountainous land on 73.63 chs.

	N.0°03'W.,on a random line.bet.secs.5 and 6.
40.00	Set temp.¼ sec.cor.
80.48	Intersect N.bdy.of the Tp.,9 lks.E.of the cor.of secs. 5-6-31 and 32,heretofore described.
	Thence I run
	S.0°07'E.on a true line
	Bet.secs.5 and 6.
	Descend abruptly over rocky land.
14.00	Bottom of hollow,100 ft.deep,course W.
	Begin abrupt ascent.

SUBDIVISIONS OF T.10 S.,R.22 E.

CHAINS	
24.00	Top of rocky spur projects W.
	Descend.
37.00	Bottom of hollow,150 ft.deep,course W.
	Ascend.
40.48	Set a sandstone,24x10x4 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.
80.48	The cor.of secs.5-6-7 and 8.
	Land,mountainous.
	Soil;rocky,4th rate.
	No timber.
	Mountainous land on 80.48 chs.

July 6,1904.

GENERAL DESCRIPTION.

This township contains all mountainous land,badly broken by many deep and narrow ravines and hollows. The soil is generally rocky of a sandstone formation, and is unfit for agricultural or grazing purposes, and very little vegetation is found on the township. The only water found in this township is White River a stream,about 1.50 chs.wide and about 3 ft.deep, which flows through the NE.cor.of the township. Said river cuts the formation at an average depth of 800 ft.;therfore its waters cannot be used for irrigation purposes.

There are no settlers in this township.

A gilsonite vein,which is an extension of the "Pride of West Lode",has an average width of 15 ins..and runs in a northwesterly direction through secs,9-10-14-15-23 and 24.

There is no other mineral found in this township.

I return the S.$\frac{1}{2}$ and NW$\frac{1}{4}$ sec.24;NE$\frac{1}{4}$ and NE$\frac{1}{4}$ of NW$\frac{1}{4}$

SUBDIVISIONS OF T.10 S., R.[illegible] E.

sec.22; the SW¼ sec.14; the NE¼ of SE¼, SW¼ of NE¼, and NW¼ sec.15; and SE¼ of SE¼ sec.9; and SW¼ of NW¼ sec.10 as mineral land.

[signature]

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

rking the lines and corners described in the foregoing field notes of the survey of .....

.....

wing the respective capacities in which they acted:

For final affidavitssee 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

ose parts or portions of the .....

.....

.....

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

..... meridian, ... of ....., which are represented

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

eneral for .....

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

....., *Chainman.*

....., *Moundman.*

....., *Moundman.*

....., *Axman.*

....., *Axman.*

....., *Flagman.*

.....

ubscribed 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 Surveyo
solemnly swear that, in pursuance of a contract received from .....
United States Surveyor General for ....., bearing date o
..... day of ....., 189 , I have well, faithfully, and truly, in my
proper person, and in strict conformity with the instructions furnished by the United States Surv
General for ....., the Manual of Surveying Instructions, and the laws o
United States, surveyed all those parts or portions of .....
For final affidavit see book "Z[12] " T.12 S.R.24 E.
.....
.....
.....of the.....
..... meridian, in the.....of....., which are represented in
foregoing field notes as having been surveyed by me, and under my direction; and I do further sol
swear that all the corners of said survey have been established and perpetuated in strict accordance
the Manual of Surveying Instructions, and the special written instructions of the United States 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 Su

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

SEAL

.....
.....

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah , May 27, 1905.

The foregoing field notes of the survey of the Subdivisional lines of Townshi
No.10 South, Range No.22 East of the Salt Lake Base and Meridian, Ut
.....
.....
.....
.....
.....
executed by their Alfredo R. Talamantes and Harvey D. Heist, U.S. Deputy Survey
under his contract No. 285, dated April 12, 1904, ..., 189 , having b
critically examined, and the necessary corrections and explanations made, the said field notes, and
surveys they describe, are hereby approved.

Edward H. Anderson
United States Surveyor Ge

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

.....
United States Surveyor Gene

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BOOK A-324

CORRECTED

FIELD NOTES

OF THE SURVEY OF THE

Subdivisions

T10S, R. 22 E.

Of the Salt Lake Base and Meridian,

Utah

AS SURVEYED BY

...b R. Talamantis and Harvey D. Hirst, United States Deputy Surveyors,

...der ~~his~~ their Contract No. 285, dated April 12, 1904

...rvey commenced August 24, 1905

...rvey completed August 24, 1905

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BOOK A-324

NAMES AND DUTIES OF ASSISTANTS.

Earl V. Woolley	Chainman
Harvey D. Hurst	Chainman

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BOOK A-324

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Meanders Page .....

300K 4-524

PRELIMINARY OATHS OF ASSISTANTS.

We, Earl V. Woolley and Harvey D. Hirst do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will be 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 a measuring, to the best of our skill and ability, and in accordance with instructions given us, in the su correct

Subdivisions of T10 S, R22 E, Salt Lake Base and Merid

Earl V. Woolley, Cha

Harvey D. Hirst, Cha

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

SEAL

Alfredo R. Talamantes
U. S. Deputy Surveyor

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

..... Moun

..... Moun

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

SEAL

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

..... A

..... A

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

..... Fla

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

SEAL

CORRECTED NOTES OF

SUBDIVISIONS OF T.IOS.R.22 E.

CHAINS	
	Survey commenced, August 24, I905, and executed with the instrument desctibed in Book "I", of this survey.
	I know the instrument to be in adjustment from recent observations made August 20 and 2I and recorded in Book "I" of this survey.
	At the Stan. COr. of secs. 35 and 36 T.IO S.R.22 E., heretofore described, at 8h. 2m a.m., l.m.t., I set off 39°54' N. on lat. arc, 11°13' N. on decl. arc, and determine a true meridian with the solar,
	Thence I run
	N.0°01'W. bet. secs. 35 and 36
40.00	Set a sandstone 28x11x10 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.
40.59	The old ¼ sec. cor.
	I distroyed all traces of old cor.
80.00	Intersect cor. of secs. 25, 26, 35 and 36.
	Note: No change in topography on this line.

	N.89°56'E. on a random line bet, secs. 25 and 36
38.93	Fall 2 lks. N. of ¼ sec. cor.
	I distroyed all traces of old cor.
40.00	Set a temp. ¼ sec. cor.
80.03	Intersect E. bdy. of Tp. 17 lks. S. of cor. of secs. 25, 30, 3I and 36 described in original notes.
	Thence I run
	S.89°49' W. on a true line bet. secs. 25 and 36
40.0I	Set a sandstone I6x9x7 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.
80.03	The cor. of secs. 25, 26, 35 and 36
	Note: No change in topography on this line.

CORRECTED NOTES OF

SUBDIVISIONS OF T.10 S.R.22 E.

CHAINS

August 25,1905 at 8h.2.a.m.l.m.t.I set off 39°54' on the lat. arc,10°53' on the decl. arc,and determine a true meridian with the solar at the cor. of secs.26,27, 34 and 35 described in the original field notes

Thence I run

S.0°01'E.bet. secs. 34 and 35.

39.21 The ¼ sec.cor.

I distroyed all traces of old ¼ sec.cor

40.00 Set a sandstone 28x7x7 ins. 12 ins. in the ground,for ¼ sec.cor.marked ¼ on W.,face:and raise a mound of stone,2ft. base 1½ ft. high,W.of cor.

Pits impracticable.

80.00 The Stan cor.of secs.34 and 35 heretofore described.

Note:No change in topography in this line.

August 25,1905 at2h.2.a.m.l.m.t.I set off 39°54'N' on the lat arc,10°47'N.on the decl. arc,and determine a true meridianwith the solar at the Stan.cor.of secs.33 and 34 heretofore described

Thence I run

N.0°02'W.bet. sec. 33 and 34.

42.10 Fall 15 lks.W.of witness ¼ sec.cor. As marked on ledge I distroyed said marks and at a point 15 lks.W.

Cut a cross (x)on a sandstone spur for witness ¼sec. cor.,marked W.C.¼ W.of cross,and raise a mound of stone,2 ft. base 1½ ft. high W.of cor.point.

Pits impracticable.

Note:Nochange of topography on this line.

Alfredo R Talamantes
U.S. Deputy Surveyor

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by 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 T. 10 S., R. 22 E., Salt Lake Base and Meridian 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. 10 S., R. 22 E., of the Salt Lake Base and meridian, State of Utah, which are represented in the foregoing field notes as having been surveyed by him and under his direction; and that said survey has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the corner monuments established, according to the instructions furnished by the United States Surveyor General for Utah.

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 Survey solemnly swear that, in pursuance of a contract received from Edward H. Anders United States Surveyor General for Utah, bearing date 12 day of April, 1904, I have well, faithfully, and truly, in m proper person, and in strict conformity with the instructions furnished by the United States Sur General for Utah, the Manual of Surveying Instructions, and the laws United States, surveyed all those parts or portions of Subdivisions of T. 10 S., R. 2 of the Salt Lake Base and meridian, in the State of Utah, which are represented foregoing field notes as having been surveyed by me, and under my direction; and I do further sol swear that all the corners of said correct survey have been established and perpetuated in strict accordan the Manual of Surveying Instructions, and the special written instructions of the United States Su General for Utah and in the specific manner described in the field notes, an the foregoing are the original field notes of such correct survey.

Alfredo R. Talamantes
United States Deputy Su

Subscribed by said Alfredo R. Talamantes, and sworn to before me this 18th day of October, 1905

Thomas Hull
U. S. Surveyor General
for Utah

SEAL

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, October 19,

The foregoing field notes of the survey of correct The Subdivisions of Township 10 South Range 2 East of the Salt Lake Base and Meridian Utah

executed by Alfredo R. Talamantes and Harvey D. Heist under their contract No. 285, dated April 12th, 1905, having critically examined, and the necessary corrections and explanations made, the said field notes, an correct surveys they describe, are hereby approved.

Thomas Hull
United States Surveyor Ge

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

United States Surveyor Ge

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BOOK A-324

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JUL 30 1904

FIELD NOTES

OF THE SURVEY OF THE

SECOND STANDARD PARALLEL SOUTH,

through

RANGE No. 23 EAST.

Of the SALT LAKE BASE & *Meridian,*

In the STATE of UTAH.

AS SURVEYED BY

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

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

Survey commenced July 7, 1904., *189*

Survey completed July 9, 1904., *189*

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high 600.00

BOOK A-324

NAMES AND DUTIES OF ASSISTANTS.

Charles Hool,	Chainman.
Lewis Hahn,	"
Heber Christenson,	"
Earl Woolley,	"
Andrew Stumpf,	Roundman.
Edward J. Beaird,	Axman.
John A. Neely,	Flagman.

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

BOOK A-324

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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 leve
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 as-
measuring, to the best of our skill and ability, and in accordance with instructions given us, in the su.,

.....

..... *Chai..*

..... *Chain*

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

.....

SEAL

.....

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

.....

..... *Mound*

..... *Mound*

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

.....

SEAL

.....

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

.....

..... *Ax*

..... *Ax*

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

.....

SEAL

.....

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

..... *Flag*

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

.....

SEAL

.....

Second Standard Parallel South thro R.23 E.

CHAINS

Survey commenced July 7th, 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.22 and 23 E., on the Second Standard Parallel South, heretofore described, in approximate latitude 39°53'53"N., longitude, 109°25'W., I set off 39°54'N. on the lat. arc; 22°35'N. on the decl. arc; and at 4h 05m 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.

July 7, 1904.

July 8, 1904.

At 12h 22m a.m., l.m.t., I observe Polaris at eastern elongation, in accordance with the Manual of Instructions, and mark a point in the line thus determined, on a peg driven in the ground, 5 chs. N. of my station.

At 6h a.m., 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 a.m., l.m.t., I set off 39°54'N. on the lat. arc; 22°31'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 thro R.23 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 instrument are satisfactory. The magnetic bearing of the true meridian, at 7h 30m. a.m., is N.16°24'W.; which gives the mag.decl.16°24'E. Commencing at the standard cor. of Tp.10 S., R.22 and 23 E., heretofore described on the Second Standard Parallel South, I run
	E. on the tangent
	S. of sec.31.
	Ascend over rocky land.
2.00	Top of ridge bears NW. and SE.
	Descend.
4.00	Enter scattering cedar timber.
11.50	Bottom of hollow, 100 ft. deep, course N.
	Ascend.
14.00	Top of spur projects N.
	Descend.
18.00	Bottom of hollow, 100 ft. deep, course N.
	Ascend.
35.00	Top of ridge bears N. and S.
	Begin abrupt descent.
	Difference between measurements of 40.00 chs. by two sets of chainmen is 8 lks.; position of middle point by 1st set, 40.04 chs.; by 2nd set, 39.96 chs., the mean of which is
40.00	N., 0.2 lks. from the tangent.
	Set a sandstone, 18x12x8 ins., 12 ins. in the ground, for standard ¼ sec. cor., marked SC¼ on N. face; from which
	A cedar, 6 ins. diam., bears N.2°E., 45 lks. dist., marked S C ¼ S BT
	A cedar, 8 ins. diam., bears N.74°W., 54 lks. dist., marked S C ¼ S BT
42.75	Bottom of hollow, 100 ft. deep, course SE.
	Leave timber.
	Ascend.

Second Standard Parallel South Thro R.23 E.

CHAINS	
46.25	Top of spur projects SE.
	Begin abrupt descent.
51.00	Bottom of hollow, 200 ft. deep, course NE.
	Begin abrupt ascent.
62.40	Top of spur projects N.
	Begin abrupt descent.
74.00	Bottom of west fork of Saddle Tree Draw, 300 ft. deep, course NE.
	Begin abrupt ascent.
74.75	The "South Harrison Lode", a gilsonite vein, 12 ins. wide, bears NW. and SE.
	Difference between measurements of 80.00 chs. by two sets of chainmen is 10 lks.; position of middle point
	By 1st set, 79.95 lks.,
	By 2nd set, 80.05 chs., the mean of which is
80.00	N., 0.8 lks. from the tangent
	Set a sandstone, 24x12x8 ins., 18 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 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 on 80.00 chs.

	S 89°59' E. on the tangent S. of sec. 32
	Ascend abruptly over rocky land.
17.00	Top of rocky ridge bears NW. and SE.
	Begin abrupt descent.
	Enter scattering cedar timber.
21.00	Bottom of hollow, 150 ft. deep, course N.
	Ascend.
29.35	Top of spur projects N.
	Begin abrupt descent.

SECOND STANDARD PARALLEL SOUTH THRO R.23 E.

CHAINS	
	Difference between measurements of 40.00 chs.by two sets of chainmen is 10 lks.;position of middle point
	By.1st set,39.95 chs.,
	By 2nd set,40.05 chs.,the mean of which is
40.00	N.,1.9 lks.from the tangent.
	Set a sandstone,24x8x6 ins.,18 ins.in the ground,for standard ¼ sec.cor.,marked SC¼ on N.face;from which
	A cedar,5 ins.diam.,bears N.60°E.,76 lks.dist., marked SC ¼ S BT [illegible].
	A cedar,5 ins.diam.,bears N.58°W.,25 lks.dist., marked SC ¼ S BT [illegible].
42.00	Bottom of hollow,100 ft.deep,course N.
	Begin abrupt ascent.
45.50	Top of spur projects N.
	Begin abrupt descent.
50.00	Bottom of hollow,200 ft.deep,course NW.
	Begin abrupt ascent.
59.50	Top of spur projects NW.
	Begin abrupt descent.
73.00	Bottom of east fork of"Saddle Tree Draw",300 ft.deep, course NE.
	Begin abrupt ascent. Leave timber.
	Difference between measurements of 80.00 chs.by two sets of chainmen is 12 lks.;position of middle point
	By 1st set,79.94 chs.,
	By 2nd set,80.06 chs.,the mean of which is
80.00	N.,3.4 lks.from the tangent.
	Set a sandstone,28x15x4 ins.,21 ins.in the ground,for standard cor.of secs.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,2 ft.base,1½ ft.high,N.of cor.
	Pits impracticable.
	Land,mountainous.
	Soil;rocky,third rate.

SECOND STANDARD PARALLEL SOUTH THRO R.23 E.

CHAINS	
	Timber cedar.
	Mountainous land on 80.00 chs.
	July 8:At this cor.,I set off 22°28'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°54'N.

	S.89°58'E.on the tangent,S.of sec.33.
	Ascend abruptly over rocky land.
1.00	Top of spur projects N. Descend.
4.50	Bottom of hollow,100 ft.deep,course NW.
	Begin abrupt ascent.
	Enter scattering cedar timber.
11.00	Top of ridge bears NW.and SE.
	Descend.
17.50	Bottom of hollow,150 ft.deep,course N.
	Begin abrupt ascent.
27.60	Top of rocky spur projects N.
	Begin abrupt descent.
32.50	Bottom of hollow,300 ft.deep,course NE. Ascend.
37.55	Top of rocky spur projects N.
	Begin abrupt descent. Leave timber.
	Difference between 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.,5.25 lks.from the tangent .
	Set a sandstone,20x18x5 ins.,15 ins.in the ground,for standard ¼ sec.cor.,marked SC¼ 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,100 ft.deep,course N.
	Ascend.
45.00	Top of rocky spur projects N.
	Begin abrupt descent.

Second Standard Parallel South thro R.23 E.

CHAINS	
53.00	Bottom of hollow, 100 ft. deep, course N.
	Ascend.
58.10	Top of spur projects N.
	Descend.
67.15	The "Harrison Lode", a gilsonite vein, 18 ins. wide, bears NW. and SE. Leave timber.
	Difference between meausrements of 80.00 chs. by two sets of chainmen is 14 lks.; postion of middle point by
	1st set, 80.07 chs.,
	By 2nd set, 79.93 chs., the mean of which is
80.00	N., 7.6 lks. from the tangent.
	Set a sandstone, 18x10x8 ins., 12 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; and raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.
	Pits impracticable.
	Land, mountainous.
	Soil: rocky, 4th rate.
	Timber scattering cedars.
	Mountainous land on 80.00 chs.

	S. 89°57' E. on the tangent, S. of sec. 34.
	Descend over rocky land.
10.00	Bottom of Atchee's Draw, 400 ft. deep, course NW.
	Begin abrupt ascent. Enter scattering cedar timber.
26.00	Top of ridge bears NW. and SE.
	Begin abrupt descent.
29.00	Bottom of hollow, 150 ft. deep, course NW.
	Begin abrupt ascent.
36.15	Top of rocky spur projects N.
	Begin abrupt descent.
	Difference between measurements of 40.00 chs. by two sets of chainmen is 12 lks.; position of middle point
	By 1st set, 39.94 chs.,

SECOND STANDARD PARALLEL SOUTH THRO R.23 E.

CHAINS	
	By 2nd set, 40.06 chs., the mean of which is
40.00	N., 10½ lks. from the tangent.
	Set a sandstone, 24x10x6 ins, 18 ins. in the ground, for standard ¼sec. cor., marked SC¼ on N. face; from which
	A cedar, 8 ins. diam., bears N.48°E., 1.00 chs. dist., marked S C ¼ S B T.
	A cedar 6 ins. diam., bears N.42°W., 1.08 chs. dist., marked S.C ¼ S B T.
45.50	Bottom of hollow, 200 ft. deep, course NW.
	Ascend over rocky broken country.
69.65	Top of spur projects S.
	Descend.
73.00	Bottom of hollow, 150 ft. deep, course NW. to SW.
	Begin abrupt ascent.
	Difference between 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., 13.0 lks. from the tangent.
	Set a sandstone, 18x12x8 ins., 12 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, 12 ins. diam., bears N.23°W., 30 lks. dist., marked T 10 S R 23 E S 34. B T.
	A cedar, 10 ins. diam., bears N.18°30'E., 12 lks. dist., marked T 10 S R 23 E S 35 B T.
	Land, mountainous. Soil; rocky, 4th rate.
	Timber, cedar. Mountainous land on 80.00 chs.
	July 8, 1904.
	JUly 9: At 7h a.m., l.m.t., I set off 39°54. N. on the lat. arc; 22°24' N. on the decl. arc; and determine a meridian with the solar at the standard cor. of secs. 34 and 35.
	Thence I run

Second Parallel South thro R.23 E.

CHAINS	
	E. on the tangent, S. of sec. 35.
	Ascend abruptly over rocky land through scattering cedar timber.
4.40	Top of rocky spur projects SW.
	Begin abrupt descent.
6.91	Pride of West Lode, a gilsonite vein, 24 ins. wide, bears NW. and SE.
9.00	Bottom of hollow, 200 ft. deep, course NW. to SW.
	Begin abrupt ascent.
23.10	Top of ridge bears N. and S.
	Begin abrupt descent.
35.50	Bottom of hollow, 150 ft. deep, course NE. Ascend.
39.00	Top of spur projects N. Descend.
	Difference between 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, 28x12x8 ins., 21 ins. in the ground, for standard ¼ sec. cor., marked SC¼ 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 N.
	Begin abrupt ascent.
67.00	Top of spur projects NW.
	Begin abrupt descent.
	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	In bottom of hollow, 200 ft. deep, course NW.
	N. 0.8 lks. from the tangent.
	Set a sandstone, 30x10x4 ins., 22 ins. in the ground, for

SECOND STANDARD PARALLEL SOUTH THRO R.23 E.

CHAINS	
	standard cor. of secs.35 and 36, marked SC on N., with 5 grooves on the W. and 1 groove on the E. face; from which
	A cedar, 6 ins. diam., bears N.23°W., 69 lks. dist., marked T 10 S R 23 E S 35 B T.
	A cedar, 14 ins. diam., bears N.41°E., 83 lks. dist., marked T 10 S R 23 E S 36 B T.
	Land, mountainous.
	Soil; rocky, 4th rate.
	Cedar timber.
	Mountainous land on 80,00 chs.

	S.89°59'E. on the tangent, S. of sec.36.
	Ascend abruptly over rocky land through scattering cedar timber.
4.40	Top of ridge bears N. and S.
	Descend abruptly.
34.00	Bottom of hollow, 100 ft. deep, course SE.
	Ascend.
37.50	Top of spur projects S.
	Descend.
	Difference between measurements of 40.00 chs. by two sets of chainmen is 16 lks.; position of middle point
	By 1st set, 40.08 chs.,
	By 2nd set, 39.92 chs., the mean of which is
40.00	N., 1.9 lks. from the tangent.
	Set a sandstone, 18x10x5 ins., 12 ins. in the ground for standard $\frac{1}{4}$ sec. cor., marked SC$\frac{1}{4}$ on N. face; from which
	A cedar, 6 ins. diam., bears N.1°E., 58 lks. dist., marked SC $\frac{1}{4}$ S B T.
	A cedar, 8 ins. diam., bears N.31°W., 75 lks. dist., marked S C $\frac{1}{4}$ S B T.
41.00	Bottom of hollow, 100 ft. deep, course S.
	Ascend.
44.00	Top of spur projects S.

See Cor. Notes Bk. Page 1.

SECOND PARALLEL SOUTH THRO R.23 E.

CHAINS	
	Begin abrupt descent.
	Leave timber.
54.25	Bottom of hollow, 150 ft. deep, course NE.
	Begin abrupt ascent.
56.00	Top of sandstone spur projects NE.
	Begin abrupt descent.
67.00	Bottom of Asphalt Wash, 200 ft. deep, course NE.
	Begin abrupt ascent.
77.00	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, 28x15x4 ins., 21 ins. in the ground, for standard cor. of Tps. 10 S., Rs. 23 and 24 E., marked
	S C 10 S on N.,
	24 E. on E., and
	23 E on W.; with 6 grooves on the 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.
	Timber scattering cedar [illegible] chs.
	Mountainous land on 80.00 chs. July 9, 1904.

For general description see notes of the Subdivisions of this township.

Harvey L. Hirst,
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

arking the lines and corners described in the foregoing field notes of the survey of .....

.....

owing 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

hose parts or portions of the .....

.....

.....

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

..... meridian, ... of ....., which are represented

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

Teneral 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—151

BOOK A-324

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

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

For final affidavit see book "Y" T.10 S.R.25 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; and should any fraud be detected, I will suff the penalty of perjury under the provisions of an Act of Congress approved August 8, 1846.

.....
United States Deputy Survey

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 Second Standard Parallel South through Range 23 East of the Salt Lake Base and Meridian, Utah,

executed by Zlfredo R. Talamantes and Harvey D. Heist, U.S. Deputy Surveyor under their contract No. 285, dated April 12, 1904, ~~189~~ , having be critically examined, and the necessary corrections and explanations made, the said field notes, and t surveys they describe, are hereby approved.

Edward H. Anderson
United States Surveyor G...

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

.....
United States Surveyor Genera

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BOOK A-324

4—679.

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FILED
OCT 18 1905

CORRECTED

FIELD NOTES

OF THE SURVEY OF THE

Second Standard Parallel
south through Range 23 E.

Of the Salt Lake Base and Meridian,
Utah

AS SURVEYED BY

...de R Talamantis and Harvey D. Hirst, United States Deputy Surveyor,

...der ~~his~~ their Contract No. 285, dated April 12, 1904

...rvey commenced August 26, 1905

...rvey completed August 26, 1905

6—161

NAMES AND DUTIES OF ASSISTANTS.

Earl V. Woolley Egbert White Chainmen

Harvey D. Hirst Will White Chainmen

6—151

BOOK A-324

INDEX DIAGRAM.

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

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

Meanders Page .....

PRELIMINARY OATHS OF ASSISTANTS.

WE, Earl V. Woolley, Egbert White, Harvey L. Hirst and Will White, do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will le chain upon even and uneven ground, and plumb the tally pins, either by sticking or dropping the sam we will report the true distances to all notable objects, and the true lengths of all lines that we a measuring, to the best of our skill and ability, and in accordance with instructions given us, in the su One

The Second Standard Parallel South through R23E, Salt Lake Ba Meridian

Earl V. Woolley, Egbert White, Chai

Harvey L. Hirst, Will White, Chai

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

SEAL

Alfredo R. Talamanc
U. S. Deputy Surveyor

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

..... Moun

..... Moun

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

SEAL

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

..... A

..... A

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

..... Flag

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

SEAL

6—14

CORRECTED NOTES OF

THE SECOND STANDARD PARALLEL SOUTH THROUGH R.23 E.

CHAINS	
	Survey commenced, August 26, 1905, executed with the instrument described in Book "I", of this survey.
	I know the instrument to be in adjustment from recent observations made August 20 and 21 and recorded in Book "I" of this survey.
	At the Stan. Cor. of Tps. 10 S., Rs. 23 and 24 E., described in original field notes, at $8^h 2^m$ a.m., l.m.t., I set off 39°54' N. on the lat. arc, 10°32' N. on the decl. arc, and determine a true meridian with the solar, thence I run with two sets of chainmen
	West along the S. bdy. of sec. 36.
	Difference bet. measurement of 40.00 chs. by two sets of chainmen is 14 lks., position of middle point
	By 1st. set, 39.93 chs.
	By 2nd. set, 4007 chs., the mean of which is
40.00	Intersect the Stan. ¼ sec. cor.
	Note: No change in topography on this ½ mile
43.10	Top of spur projects S. Descend
46.40	Bottom of hollow 125 ft. deep drains S.E. Ascend
69.00	Ascend abruptly
76.20	Top of ridge bears N. and S..
	Difference bet. measurement of 80.00 chs. by two sets of chainmen is 18 lks., position of middle point
	By 1st. set, 79.91 chs.
	By 2nd. set, 80.09 chs., the mean of which is
80.00	The Stan. cor. of secs. 35 and 36, bears W. 42 lks. dist.
	I move this cor. to my new point and
	Set a sandstone 26x8x4 ins. 19 ins. in the ground, for standard cor. of secs. 35 and 36, marked S.C. on N., with 5 grooves on the W. and 1 groove on the E. faces: from which
	A cedar tree 5 ins. diam. bears N.44°W. 88 lks, dist., marked T.10 S., R.23 E. S.35 B.T.
	A cedar tree 12 ins. diam., bears N.11°E. 64 lks. dist. marked T.10 S., R.23 E. S.36 B.T.

CORRECTED NOTES OF

THE SECOND STANDARD PARALLEL SOUTH THROUGH R.23 E.

CHAINS	
	West along the S.Bdy.of sec.35.
	Difference bet. measurement 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., the mean of which is
40.00	The Stan. $\frac{1}{4}$ sec.cor.on the S.Bdy. of sec.35 bears W.23 lks.
	I move this cor.to my new point and set same sandstone 28xI2x8 ins., 2I ins., in the ground, for Stan. $\frac{1}{4}$ sec.cor. marked SC$\frac{1}{4}$ on N.face, and raise a mound of stone, 2 ft. base $1\frac{1}{2}$ ft. high, N.of cor.
	Pits impracticable.
	I destroyed all traces of old cor.
	Difference bet.measurement of 80.00 chs. by two sets of chainmen is I6 lks., position of middle point
	By 1st.set 79.92 chs.
	By 2nd.set, 80.08 chs., the mean of which is
80.00	Intersect the Stan. cor. of secs.34 and 35 described in the original field notes
	Note: No change in topography on this line.

Alfredo R Talamantes
U S Deputy Surveyor

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by Alfredo R. Talamantes, United States Deputy Surveyor, to assist in running, measuring, and arking the lines and corners described in the foregoing field notes of the Conective survey of The Second Stan. Par. S. through R. 23 E. Salt Lake Base and Meridian Utah owing the respective capacities in which they acted:

Earl V. Woolley Egbert White, Chainman.
Harvey D. Hirst Will White, 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 hose parts or portions of the Second Standard Parallel South through R. 23 E. of the Salt Lake Base and meridian, State of Utah, which are represented n the foregoing field notes as having been surveyed by him and under his direction; and that said Conective survey as been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the orner monuments established, according to the instructions furnished by the United States Surveyor General for Utah

Earl V. Woolley Egbert White, Chainman.
Harvey D. Hirst Will White, Chainman.
, Moundman.
, Moundman.
, Axman.
, Axman.
, Flagman.

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

Alfredo R. Talamantes
U. S. Deputy Surveyor

SEAL

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FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, Alfredo R Talamantes, United States Deputy Survey solemnly swear that, in pursuance of a contract received from Edward K Anderson United States Surveyor General for Utah, bearing date 12 day of April, 1904, I have well, faithfully, and truly, in proper person, and in strict conformity with the instructions furnished by the United States Su General for Utah, the Manual of Surveying Instructions, and the laws United States, surveyed all those parts or portions of The Second Standard P. South through R. 23 E.

of the Salt Lake Base and meridian, in the State of Utah, which are represented foregoing field notes as having been surveyed by me, and under my direction; and I do further so swear that all the corners of said corrective survey have been established and perpetuated in strict accordanc the Manual of Surveying Instructions, and the special written instructions of the United States Su General for Utah and in the specific manner described in the field notes, an the foregoing are the original field notes of such corrective survey.

Alfredo R Talamantes
United States Deputy Su

Subscribed by said Alfredo R Talamantes, and sworn to before me this 18th day of October, 1905

SEAL

Thomas Hull
U.S. Surveyor General
for Utah

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City Utah October 19, 1

The foregoing field notes of the corrective survey of The Second Standard Parallel South through Range 23 East of the Salt Lake Base and Meridian Utah

executed by Alfredo R Talamantes and Harvey D Reist under his contract No. 285, dated April 12th, 1904, having critically examined, and the necessary corrections and explanations made, the said field notes, an corrective surveys they describe, are hereby approved.

Thomas Hull
United States Surveyor Ge

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

United States Surveyor Gen

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4—679.

BOOK A-324

FILED JUL 30 1904

FIELD NOTES

OF THE SURVEY OF THE

East and North Boundaries

of

Township No. 10 South,

Range No. 23 East.

Of the Salt Lake Base & *Meridian,*

IN THE STATE OF UTAH,

AS SURVEYED BY

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

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

Survey commenced July 9, 1904, ~~189~~

Survey completed July 12, 1904, ~~189~~

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E. bdy - 6-00.81
N. bdy - 5-79.40

NAMES AND DUTIES OF ASSISTANTS.

Earl Woolley,	Chainman.
Heber Christensen,	Chainman.
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-324

INDEX DIAGRAM.

Township 10 S., *Range* 23 E.

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PRELIMINARY OATHS OF ASSISTANTS.

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

.....

....., *Chain*

....., *Chain*

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

SEAL

.....

.....

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

.....

....., *Mound*

....., *Mound*

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

SEAL

.....

.....

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

.....

....., *Axm*

....., *Axm*

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

SEAL

.....

.....

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

....., *Flagma*

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

SEAL

.....

.....

EAST BDY. OF T.10 S., R.23 E.

CHAINS	
	Survey commenced July 9th, 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 7, 1904, and recorded in Book "L" of this survey.
	At 2h 05m p.m., l.m.t., I set off 39°54'N. on the lat. arc; 22°21'N. on the decl. arc; and determine a meridian with the solar at the standard cor. of Tp.10 S., Rs.23 and 24 E., heretofore described.
	Thence I run
	N. along the E. bdy. of T.10 S., R.23 E., bet. secs.31 and 36.
	Descend abruptly over rocky land.
4.00	Bottom of hollow, 150 ft. deep, course NW.
	Begin abrupt ascent.
8.35	Top of spur projects W,
	Begin abrupt descent.
13.50	Enter bottom of Asphalt Wash, 200 ft. deep, course NE. to N.
	Descend along bottom of wash through dense greasewood brush.
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.
80.00	Set a sandstone, 28x8x6 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 or dense undergrowth on 80.00 chs.

EAST BDY. OF T. 10 S., R. 23 E.

CHAINS	North bet. secs. 25 and 30.
	Alongbottom of Asphalt Wash, course N., through dense greasewood brush.
13.00	Leave bottom of wash course NE. Ascend abruptly, over rocky land. Leave dense undergrowth.
25.00	Top of spur projects NE.
	Descend.
27.00	Bottom of hollow, 100 ft. deep, course NE.
	Ascend.
30.00	Top of spur projects NE.
	Descend.
37.00	Bottom of hollow, 100 ft. deep, course NE.
	Ascend.
40.00	On top of spur projecting NE.,
	Set a sandstone, 28x12x5 ins., 21 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
	Pits impracticable. Begin abrupt descent.
47.00	Bottom of hollow, 100 ft. deep, course NE.
	Ascend.
52.25	Top of spur projects NE.
	Begin abrupt descent.
75.00	Foot of abrupt descent bears NW. and SE.
	Enter bottom of Asphalt Wash, 300 ft. deep, course NW.
	Begin gradual descent along bottom of wash.
80.00	Set a sandstone, 18x12x6 ins., 12 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, $1\frac{1}{2}$ ft. high, W. of cor.
	Pits impracticable.
	Land, mountainous.
	Soil; rocky, 4th rate.
	No timber.
	Mountainous land or dense undergrowth on 80.00 chs.

July 9, 1904.

EAST BDY. OF T. 10 S., R. 23 E.

CHAINS	
	July 10: At 7h a.m., l.m.t., I set off 39°56'N. on the lat. arc; 22°17'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.
	In bottom of Asphalt Wash, course NW., ascend gradually through dense greasewood brush.
22.00	Leave bottom of wash, course NW.
	Leave undergrowth.
	Begin abrupt ascent over rocky land.
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.
72.55	Top of ridge bears NW. and SE.
	Descend.
	Enter scattering cedar timber.
80.00	Set a sandstone, 18x8x6 ins., 12 ins. in the ground, for cor. of secs. 13-18-19 and 24, marked with 3 notches on the N. and S. edges; from which
	A cedar, 5 ins. diam., bears N. 21°E., 91 lks. dist., marked T 10 S R 24 E S 18 B T.
	A cedar, 5 ins. diam., bears S. 83°30'E., 35 lks. dist., marked T 10 S R 24 E S 19 B T.
	A cedar, 8 ins. diam., bears S. 67°W., 46 lks. dist., marked T 10 S R 23 E S 24 B T.
	A cedar, 6 ins. diam., bears N. 25°W., 91 lks. dist., marked T 10 S R 23 E S 13 B T.
	Land, mountainous.
	Soil; rocky 4th rate.
	Timber, cedar.
	Mountainous land or dense under growth on 80.00 chs.

EAST BDY. OF T. 10 S., R. 23 E.

CHAINS	
	North bet. secs. 13 and 18.
	Descend over rocky land through scattering cedar timber.
5.00	Bottom of hollow, 100 ft. deep, course NE.
	Begin abrupt ascent.
	Leave timber.
37.05	Top of spur projects E.
	Set a sandstone, 25x15x4 ins., 19 ins. in the ground, for witness cor. to $\frac{1}{4}$ sec. cor., marked WC$\frac{1}{4}$ on W. face; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
	Pits impracticable.
	Begin abrupt descent over sandstone ledges.
39.00	Bottom of cove in sandstone, 150 ft. deep, course E.
	Begin abrupt ascent.
40.00	Point for $\frac{1}{4}$ sec. cor., falls on perpendicular face of sandstone ledge, and cannot be set.
44.70	Top of sandstone spur projects E.
	Begin abrupt descent.
80.00	Set a sandstone, 20x10x6 ins., 15 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, $1\frac{1}{2}$ ft. high, W. of cor.
	Pits impracticable.
	Land, mountainous.
	Soil; rocky, 4th rate.
	Timber cedar.
	Mountainous land on 80.00 chs.
	July 10: At this cor., I set off 22°15'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°57'N.

EAST BDY. OF T.10 S., R.23 E.

CHAINS	North bet. secs. 7 and 12.
	Descend over rocky broken land.
10.00	Enter dense greasewood brush.
14.25	Left bank of White River, 1.75 chs. wide, course W.
16.00	Right bank of White River.
19.00	Ascend abruptly along east slope.
	Leave undergrowth.
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.
43.00	Bottom of gulch, 700 ft. deep, course S. to SE.
	Ascend along bottom of gulch.
50.00	Leave bottom of gulch, course SW. to S.
58.50	Top of spur projects E.
	Descend, abruptly.
62.00	Bottom of gulch, 550 ft. deep, course SE.
	Ascend abruptly over sandstone ledges.
77.50	Top of leadges bears NW. and SE., 700 ft. above bottom of gulch.
80.00	Set a sandstone, 14x8x8 ins., 9 ins. in the ground, for cor. of secs. 1-6-7 and 12, marked with 5 notches on the S. and 1 notch on the N. edge; and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
	Pits impracticable.
	Land, mountainous.
	Soil; rocky, 3rd and 4th rate.
	No timber.
	Mountainous land or dense undergrowth on 80.00 chs.

EAST BDY. OF T. 10 S., R. 23 E.

CHAINS	
	North bet. secs. 1 and 6.
	Ascend over rocky land.
1.00	Point of spur projects E.
	Begin abrupt descent.
10.00	Head of hollow, course SE.
	Begin abrupt ascent.
16.00	Top of spur projects SW.
	Descend.
24.00	Bottom of hollow, 100 ft. deep, course SW.
	Ascend.
30.00	Top of spur projects SW. Descend.
35.00	Bottom of hollow, 50 ft. deep, course west.
	Ascend.
40.00	Set a sandstone, 14x11x6 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.
48.50	Wagon road from Rangely to Ouray Agency, bears NE. and SW.
56.00	Bottom of hollow, 150 ft. deep, course W. Ascend.
56.75	Wagon road bears NE. and SW.
64.00	Top of ridge bears NE. and SW.
	Descend.
80.31	Set a sandstone, 18 x7 x6 ins., 12 ins. in the ground, for cor. of Tps. 9 and 10 S., Rs. 23 and 24 E., marked 9 S on NE., 24 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 10, 1904.

North Bdy. of T. 10 S., R. 23 E.

CHAINS	
	July 11, 1904. At 7h a.m., l.m.t., I set off 39°59'N. on the lat. arc; 22°09'N. on the decl. arc; and determine a meridian with the solar at the cor. of Tps. 9 and 10 S., Rs. 23 and 24 E., just established.
	Thence I run
	West on a random line, along the north bdy. of the Tp., setting temp. ¼ sec. and sec. cors. at intervals of 40.00 chs.; and at 479.40 chs., intersect east bdy. of T. 10 S., R. 22 E., 15 lks. S. of the cor. of Tps. 9 and 10 S., Rs. 22 and 23 E., heretofore described.
	The falling answers to a correction of 0°01', or 3 lks. N. per mile. Therefore I run
	S. 89°59'E., bet. secs. 6 and 31, marking and blazing true line.
	Ascend over broken rocky land.
6.00	Top of spur projects NW.
	Descend.
15.00	Head of hollow, course N.
	Ascend.
39.40	Set a sandstone, 16x6x6 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.
50.00	Top of spur projects NE.
	Begin abrupt descent.
56.10	Bottom of hollow, 100 ft. deep, course NW.
	Ascend.
60.00	Point of spur projects N.
	Descend.
63.00	Bottom of hollow, 100 ft. deep, course NW.
79.40	Top of spur projects NW.
	Set a sandstone, 18x12x6 ins., 12 ins. in the ground, for cor. of secs. 5, 6, 31 and 32, marked with 1 notch on W. and 5 notches on the E. edge; and raise a mound of stone,

North Bdy of T.10 S.,R.23 E.

CHAINS.	
	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.
	July 11: At this cor., I set off 22°06'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°59'N.

	S.89°59'E., bet.secs.5 and 32.
	Descend over broken land.
18.00	Head of hollow, course N.
	Ascend.
23.00	Top of spur projects NE.
	Begin abrupt descent.
31.00	Bottom of hollow, 150 ft.deep, course NE.
	Ascend.
36.00	Top of spur projects N.
	Descend.
40.00	Set a sandstone, 15x7x5 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	Bottom of hollow, 75 ft.deep, course NW.
	Ascend.
50.00	Top of spur projects N.
	Descend.
54.00	Bottom of hollow, 100 ft.deep, course W.to NW.
	Ascend, along bottom of hollow.
58.00	Leave bottom of hollow, course SW.to W.
	Ascend.
65.00	Top of spur projects N.
	Descend

North BDY. OT T. 10 S., R. 23 E.

CHAINS	
72.00	Bottom of same hollow, 100 ft. deep, course NW.
	Ascend.
80.00	Set a sandstone, 18x6x6 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°59' E., bet. secs. 4 and 33.
	Ascend over rocky land.
3.00	Top of spur projects N.
	Descend.
18.00	Head of hollow, course NE.
	Ascend.
23.00	Top of spur projects NW.
	Descend.
26.00	Head of hollow, course N.
	Ascend.
29.00	Top of spur projects N.
	Descend.
40.00	Set a sandstone, 18x8x5 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.
50.00	Bottom of hollow, 150 ft. deep, course NW.
	Ascend.
70.00	Top of ridge bears NW. and SE.
	Descend.
80.00	Set a sandstone, 18x6x5 ins., 12 ins. in the ground, for cor. of secs. 3-4-33 and 34, marked with 3 notches on the

NORTH BDY. OF T. 10 S., R. 23E.

CHAINS	
	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.
	July 11, 1904.

	July 12: At 7h 05m a.m., l.m.t., I set off 39°59'N. on the lat. arc; 22°01'N. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 3-4-33 and 34.
	Thence I run
	S. 89°59'E., bet. secs. 3 and 34.
	Descend over rocky broken land.
1.00	Bottom of hollow, 100 ft. deep, course N.
	Begin abrupt ascent.
4.00	Top of spur projects N.
	Descend.
19.00	Bottom of hollow, 100 ft. deep, course NW.
	Ascend.
29.00	Top of spur projects NW.
	Descend.
30.00	Bottom of hollow, 150 ft. deep, course NW.
	Wagon Road from Rangely to Ouray Agency, bears NW. and SE.
	Ascend.
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.
45.00	Top of spur projects N.
	Descend.
56.00	Bottom of hollow, 100 ft. deep, course SW.

NORTH BDY. OF T. 10 S., R. 23 E.

CHAINS	
	Ascend.
70.00	Top of spur projects NW.
	Descend.
80.00	In head of hollow, course NW.
	Set a sandstone, 16x10x6 ins., 11 ins. in the ground, for cor. of secs. 2-3-34 and 35, marked with 4 notches on the W. and 2 notches on the E. edge; and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
	Pits impracticable.
	Land, mountainous.
	Soil; rocky, 4th rate.
	No timber.
	Mountainous land on 80.00 chs.

	S. 89°59'E., bet. secs. 2 and 35.
	Ascend over rocky land.
9.00	Top of spur projects NW.
	Descend.
14.00	Head of hollow, course NW.
	Ascend.
19.00	Top of ridge bears NE. and SW.
	Descend.
24.00	Head of hollow, course SW.
	Ascend.
38.00	Top of ridge bears NW. and SE.
	Descend.
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.
48.00	Bottom of hollow, 100 ft. deep, course NW.
	Ascend.
55.00	Top of spur projects NW.
	Descend.

North Bdy. of T. 10 S., R. 23 E.

CHAINS	
67.00	Bottom of hollow, 100 ft. deep, course NE.
	Ascend.
70.00	Top of spur projects NE.
	Descend.
80.00	In head of hollow, course NW.
	Set a sandstone, 18x12x5 ins., 12 ins. in the ground, for cor. of secs. 1-2-35 and 36, marked with 5 notches on the W. and 1 notch on the E. edge; and raise a mound of stone, 2 ft. base, 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., bet. secs. 1 and 36.
	Ascend over rocky land.
17.00	Top of spur projects NE.
	Descend.
35.00	Bottom of hollow, 100 ft. deep, course NW.
	Ascend.
40.00	Set a sandstone, 16 x 6 x 6 ins., 11 ins. in the ground, for ¼ sec. cor., marked ¼ on N. face; and raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.
	Pits impracticable.
46.00	Top of spur projects NW.
	Descend.
74.00	Bottom of hollow, 100 ft. deep, course NW.
	Ascend.
80.00	The cor. of Tps. 9 and 10 S., Rs. 23 and 24 E.
	Land mountainous.
	Soil; rocky, 4th rate.
	No timber.
	Mountainous land on 80.00 chs.

July 12, 1904.

NORTH BDY. OF T.10 S., R.23 E.

CHAINS

BOUNDARIES OF T.10 S., R.23 E.

Latitudes, departures and closing errors.

Line designated	True bearing.	Dist.	Latitudes. N.	Latitudes. S.	Departures. E.	Departures. W.
		chs.	chs.	chs.	chs.	chs.
E. Bdy., T.10 S., R.22 E.	South,	480.31		480.31		
2nd Standard Parallel South.	East,	480.00			480.00	
N. Bdy., T.10 S., R.23 E.	North,	480.31	480.31			
N. Bdy., T.10 S., R.23 E.	N.89°59'W.	479.40	0.15			479.40
Convergency						0.61
	Totals.....		480.46	480.31	480.00	480.01
			480.31			480.00
	Error in lat.....		0.15	In dep.....		0.01

For general description see notes of subdivision of this township.

Harvey D. Gist,
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[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

6-161

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

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

For final affidavit see book "Z11" T.12 S.R.24 E.

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

United States Deputy Surve

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

SEAL

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah , May 27, 190

The foregoing field notes of the survey of the East and North Boundaries of Township No.10 South, Range No.23 East of the Salt Lake Base and Mer ian, Utah,

executed by their Alfredo R. Talamantes and Harvey D. Heist, U.S. Deputy Surveys under his contract No. 285, dated April 12, 1904, ~~189~~, having critically examined, and the necessary corrections and explanations made, the said field notes, and surveys they describe, are hereby approved.

Edward H. Anderson

United States Surveyor Gene

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

United States Surveyor Gene

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BOOK A-324

FILED
JUL 30 1904

FIELD NOTES

OF THE SURVEY OF THE

SUbdivisions

OF

TOWNSHIPS No.10 SOUTH,

Range No.23 East.

Of the Salt Lake Base & *Meridian,*

In the STATE of UTAH.

AS SURVEYED BY

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

Under his Contract No. 285, *dated* April 12, 1904, *189*

Survey commenced July 13, 1904, *189*

Survey completed July 27, 1904, *189*

6—151

High 59-56.52
low 34.00

BOOK A-324

NAMES AND DUTIES OF ASSISTANTS.

EARL WOOLLEY ..... CHAINMAN.

HEBER CHRISTENSEN, ... CHAINMAN.

ANDREW STUMPE, ... MOUNDMAN.

EDWARD J. BEAIRD, ... AXMAN.

JOHN A. NEELY, ... FLAGMAN.

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

BOOK A-324

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

..... *Chainman*

..... *Chainman*

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

SEAL

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

..... *Moundman*

..... *Moundman*

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

SEAL

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

..... *Axman*

..... *Axman*

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

SEAL

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

..... *Flagman*

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

SEAL

SUBDIVISIONS OF T.10 S.,R.23 E.

CHAINS	
	Survey commenced July 13,1904,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 7,1904,and recorded in book "L"of this survey.
	At 7h 05m a.m.,l.m.t.,I set off 39°54'N.on the lat. arc;21°52'N.on the decl.arc;and determine a meridian with the solar at the standard cor.of secs.35 and 36, on the Second Standard Parallel South, heretofore described. Thence I run
	N.0°01'W.,bet.secs.35 and 36.
	Ascend over rocky land.
9.80	Top of spur projects NW.
	Begin abrupt descent.
16.00	Bottom of hollow,200 ft.deep,course NW.
	Ascend abruptly over broken land.
40.00	Set a sandstone,28x6x6 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.
80.00	On top of rocky spur projecting W.
	Point for cor.falls on a sandstone ledge.
	I mark a cross(+) at exact corner point,for cor.of secs.25-26-35 and 36,marked with 1 groove S.,and E. of cross;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.

	E.on a random line bet.secs.25 and 36.
40.00	Set temp.¼ sec.cor.

See Correct Notes Book Page 2

See Correct Notes Book Page 2

SUBDIVISIONS OF T.10 S.,R.23 E.

	CHAINS	
See Corrective Note Book 5 Page 3	80.06	Intersect E.bdy.of the Tp.,7 lks.N.of the cor.of secs. 25-30-31 and 36,heretofore described.
		Thence I run
		N.89°57'W.on a true line
		Bet.secs.25 and 36.
		Over level land in bottom of Asphalt Wash,through dense greasewood brush.
	4.00	Leave bottom of wash,course N. Leave dense undergrowth.
		Begin abrupt ascent over rocky land.
	24.50	Top of rocky spur projects N.
		Descend.
	29.00	Bottom of hollow,100 ft.deep,course NE.
		Begin abrupt ascent.
See Corrective Note Book 5 Page 3	40.03	Set a sandstone,30x12x6 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.
	44.50	Top of ridge bears N.and S.
		Begin abrupt descent.
	53.00	Bottom of hollow,300 ft.deep,course NW.
		Ascend.
	78.60	Top of ridge bears N.and S.
		Descend.
See Corrective Note Book 5 Page 3	80.06	The cor.of secs.25-26-35 and 36.
		Land,mountainous.
		Soil;rocky,4th rate.
		No timber.
		Mountainous land or dense undergrowth on 80.06 chs.
		July 13:At this cor.,I set off 21°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.

SUBDIVISIONS OF T.10 S.,R.23 E.

CHAINS		
	N.0°01'W.,bet.secs.25 and 26.	
	Ascend abruptly over rocky land.	
4.50	Head of hollow,course W.	
	Ascend.	
7.20	Top of ridge bears NW.and SE.	
	Begin abrupt descent over broken land.	
40.00	Set a sandstone,18x15x4 ins.,12 ins.in the ground,for $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on W.face;and raise a mound of stone,2 ft.base,$1\frac{1}{2}$ ft.high,W.of cor.	See Corrected Notes Book Page 3
	Pits impracticable.	
47.00	Bottom of hollow,150 ft.deep,course NW.	
	Ascend over broken land.	
80.00	Set a sandstone,24x10x5 ins.,18 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,$1\frac{1}{2}$ ft.high,W.of cor.	
	Pits impracticable.	
	Land,mountainous and level.	
	Soil:rocky,4th rate.	
	No timber.	
	Mountainous land on 80.00 chs.	
	S.89°57'E.on a random line bet.secs.24 and 25.	
40.00	Set temp.$\frac{1}{4}$ sec.cor.	
80.02	Intersect E.bdy.of the Tp.,3 lks.N.of the cor.of secs. 19-24-25 and 30,heretofore described.	
	Thence I run	
	N.89°56'W.on a true line	
	Bet.secs.24 and 25.	
	Over level land in bottom of Asphalt Wash,course NW., through dense greasewood brush.	
1.50	Leave bottom of wash,and dense undergrowth.	
	Begin abrupt ascent over rocky land bearing NW.and SE.	
37.65	Top of ridge bears N.and S.	
	Begin abrupt descent.	

SUBDIVISIONS OF T.10 S.,R.23 E.

CHAINS	
40.01	Set a sandstone,18x18x10 ins.,12 ins.in the ground,for $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on N.face;and raise a mound of stone,2 ft.base,$1\frac{1}{2}$ ft.high,N.of cor.
	Pits impracticable.
80.02	The cor.of secs.23-24-25 and 26.
	Land,mountainous.
	Soil;rocky 4th rate.
	No timber.
	Mountainous land or dense undergrowth 80.02 chs.
	July 13,1904.

	July 14:At 7h 06m a.m.,l.m.t.,I set off 39°56'N.on the lat.arc;21°43'N.on the decl.arc;and determine a meridian with the solar at the cor.of secs.23-24-25-26.
	Thence I run
	N.0°01'W.,bet.secs.23 and 24.
	Ascend over broken land.
29.50	Top of spur projects W.
	Descend.
38.00	Bottom of hollow,100 ft.deep,course W.
	Begin abrupt ascent.
40.00	Set a sandstone,18x15x5 ins.,12 ins.in the ground,for $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on W.face;and raise a mound of stone,2 ft.base,$1\frac{1}{2}$ ft.high,W.of cor.
	Pits impracticable.
48.80	Top of rocky spur projects NW.
	Begin abrupt descent.
72.50	Enter level bottom land along White River,bearing E. and W.
	Enter dense greasewood brush.
80.00	Set a sandstone,20x8x6 ins.,15 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;dig pits,18x18x12 ins.

SUBDIVISIONS OF T.10 S.,R.23 E.

CHAINS	
	in each sec.,5½ ft.dist.;and raise a mound of earth,
	4 ft.base,2 ft.high,W.of cor.
	Land,mountainous and level.
	Soil;rocky and sandy,third and fourth rate.
	No timber.
	Mountainous land or dense undergrowth on 80.00 chs.

	S.89°56'E.on a random line bet.secs.13 and 24.
	To pass White River,1 offset S.0°01'E.,1.00 ch.;S.89°
	56'E.,7.10 chs.;N.0°01'W.,1.00 ch.to
7.10	Left bank of White River.
40.00	Set temp.¼ sec.cor.
80.10	Intersect E.bdy.of the Tp.,12 lks.S.of the cor.of
	secs.13-18-19 and 24,heretofore described.
	Thence I run
	S.89°59'W.on a true line
	Bet.secs.13 and 24.
	Ascend over rocky land through scattering cedar timber.
2.60	Top of ridge bears NW.and SE.
	Begin abrupt descent.
40.05	Set a sandstone,28x12x4 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.
50.00	Enter bottom of Asphalt Wash,300 ft.deep,course NW.
	Over level bottom land through dense greasewood brush.
65.00	Leave bottom of wash.
	Ascend.
	Leave dense undergrowth.
66.00	Top of spur projects NE.
	Descend.
67.00	Enter level bottom land along White River,bearing
	NE.and SW.
	Enter dense greasewood brush.

SUBDIVISIONS OF T.10 S.,R.23 E.

CHAINS	
73.00	To left bank of White River,1.75 chs.wide,bearing NE. and SW. Course of river,W.
	To pass river,I off set S.0°01'E.,1.00 ch.;
	S.89°59'W.on offset line,7.10 chs.;thence N.0°01'W.,1.00
[illegible]	ch.to
80.10	The cor.of secs.13-14-23 and 24.
	Land mountainous,and level.
	Soil;rocky and sandy,third and fourth rate.
	Timber cedar.
	Mountainous land or dense undergrowth on 80.10 chs.
	July 14:At this cor.,I set off 21°41'N.on the decl. arc;and at 12 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.
	From sec.cor.on left bank of White River;bank bearing NW.and SE.,at an elbow in river.
3.30	Left bank of White River,bears NE.and SW.
	Over level bottom land through dense greasewood brush.
9.00	To left bank of White River,1.40 chs.wide,course W.
10.40	Right bank of White River.
	Begin abrupt ascent over rocky land.
29.00	Top of spur projects SE.
	Descend.
35.00	Bottom of hollow.50 ft.deep,course SE.
	Begin abrupt ascent,over sandstone ledges.
40.00	Point for ¼ sec.cor.,falls on perpendicular face of sandstone ledge,and cannot be set.
41.50	Top of sharp ledge spur projects SE.
	Set a sandstone,14x12x4 ins.,9 ins.in the ground,for witness cor.to ¼ sec.cor.,marked WC¼ on W.face;and raise a mound of stone,2 ft.base,1½ ft.high,W.of cor.
	Pits impracticable. Begin abrupt descent.
51.00	Head of hollow,course E.
	Ascend abruptly over sandstone ledges.

SUBDIVISIONS OF T.10 S.,R.23 E.

CHAINS	
60.00	Point of ledge spur projects E.
	Begin abrupt descent.
80.00	Set a sandstone, 14x8x6 ins., 9 ins. in the ground, for cor. of secs. 11-12-13 and 14, marked with 4 notches on the S. and 1 notch on the E. edge; and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
	Pits impracticable.
	Land, mountainous and level.
	Soil; rocky and sandy, third and fourth rate.
	No timber.
	Mountainous land or dense undergrowth on 80.00 chs.

	N.89°59'E. on a random line bet. secs. 12 and 13.
40.00	Set temp. ¼ sec. cor.
79.94	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°56'W. on a true line b
	Bet. secs. 12 and 13.
	Over level and broken land through dense greasewood brush.
26.25	To left bank of White River, course SW.
28.00	To right bank of White River, 1.50 chs. wide.
	Ascend.
39.97	Set a sandstone, 16x12x6 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.
	From this cor., An indian's cabin, 12x20 ft. bears S.41°E., 7.25 chs. dist.
	From this cor., an indian's cabin 10x14 ft., bears S. 78°E.; 6.10 chs. dist.
	From this cor., an indian's cabin, 16x24 ft., bears N.78° 30'E.; 9.23 chs. dist.
	From this cor., a corral bears N.69°30'E., 10.50 chs. dist.

SUBDIVISIONS OF T.10 S.,R.23 E.

CHAINS.	
	These cabins have the appearance of having been abondoned for some time.
55.00	Top of spur projects SW.
	Descend.
60.00	Bottom of hollow,50 ft.deep,course SE.
	Begin abrupt ascent.
79.94	The cor.of secs.11-12-13 and 14.
	Land,mountainous and level.
	Soil,rocky and sandy,3rd and 4th rate.
	No timber.
	Mountainous land or dense undergrowth on 79.94 chs.
	July 14,1904.

	July 15:At 7h 06m a.m.,l.m.t.,I set off 39°57'N.on the lat.arc;21°34'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 abruptly over rough and broken land.
10.50	Bottom of gulch,400 ft.deep,course SE.
	Ascend.
24.00	Top of spur projects SE.
	Descend along rough east slope.
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.
51.00	Head of hollow,course E.
	Ascend.
56.00	Top of spur projects E.
	Descend.
69.00	Bottom of hollow,150 ft.deep,course E.
	Ascend.

SUBDIVISIONS OF T.10 S.,R.23 E.

CHAINS	
77.00	Top of spur projects E.
	Descend.
80.00	Set a sand stone 16x7x5 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 on 80.00 chs.
	N.89°56'E.on a random line bet.secs.1 and 12.
40.00	Set temp.¼ sec.cor.
79.90	Intersect the E.bdy.of Tp.,5 lks.N.of the cor.of secs. 1-6-7-12,heretofore described.
	Thence I run
	S.89°58'W.on a true line
	Bet.secs.1 and 12.
	Ascend abruptly over rocky land.
5.00	Top of spur projects S.
	Descend.
10.00	Bottom of hollow,200 ft.deep,course SE.
	Ascend. Wagon Road bears NE.and SW.
29.00	Top of ridge bears NE.and SW.
	Descend.
39.95	Set a sandstone,16x11x5 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.
40.50	Bottom of hollow,150 ft.deep,course NW.
	Wagon Road bears NW.and SE.
	Ascend.
52.00	Point of spur projects NW.

SUBDIVISIONS OF T.10 S.,R.23 E.

CHAINS	
	Descend.
61.00	Bottom of hollow,300 ft.deep,course SW.
	Wagon road bears NE.and SW.
	Begin abrupt ascent,over sandstone ledges.
66.00	Top of sandstone ledges bears NW.and SE. Ascend.
79.90	The cor.of secs.1-2-11 and 12.
	Land,mountainous.
	Soil;rocky,4th rate.
	No timber.
	Mountainous land on 79.90 chs.
	July 15:At this cor.,I set off 21°31'N.on the decl. arc;and at 12h 06m p.m.,l.m.t.,observe the sun on the meridian;the resulting latitude is 39°58'N.

	N.0°01'W.on a random line bet.secs.1 and 2.
40.00	Set temp.¼ sec.cor.
80.28	Intersect N.bdy.of the Tp.,7 lks.W.of the cor.of secs. 1-2-35 and 36,heretofore described.
	Thence I run
	S.0°02'W.on a true line
	Bet.secs.1 and 2.
	Ascend over broken rocky land.
18.00	Top of ridge bears E.and W.
	Descend.
35.20	Wagon road from Rangely to Ouray Agency bears NW.and SE.
40.28	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.
44.00	Head of hollow,course NE.
	Ascend.
52.80	Top of ridge bears E.and SW.
	Descend.
63.00	Bottom of hollow,200 ft.deep,course SE.

SUBDIVISIONS OF T.10 S.,R.23 E.

CHAINS	
	Begin abrupt ascent.
70.50	Top of spur projects E.
	Begin abrupt descent.
75.00	Bottom of hollow,150 ft.deep,course NE.
	Begin abrupt ascent.
80.28	The cor.of secs.1-2-11 and 12.
	Land,mountainous.
	Soil:rocky,4th rate.
	No timber.
	Mountainous land on 80.28 chs.
	July 15,1904.

	July 16:At 7h 06m a.m.,l.m.t.,I set off 39°54'N.on the lat.arc;21°25'N.on the decl.arc;and determine a meridian with the solar at the standard cor.of secs. 34 and 35,on the Second Standard Parallel South, heretofore described. Thence I run
	N.0°01'W.,bet.secs.34 and 35.
	Abrupt ascent over rocky land through scattering cedar timber.
4.67	"Pride of West Lode",a gilsonite vein,24 ins.wide,bears NW.and SE.
6.40	Top of ridge bears E.and W.
	Descend.
9.00	Bottom of hollow,100 ft.deep,course NW.
	Ascend.
13.50	Top of rocky spur projects NW.
	Begin abrupt descent.
25.00	Bottom of hollow,200 ft.deep,course NW.
	Begin abrupt ascent.
37.00	Top of spur projects W.
	Begin abrupt descent.
40.00	Set a sandstone,24x12x5 ins.,18 ins.in the ground,for ¼ sec.cor.,marked ¼ on W.face;from which
	A pinon,6 ins.diam.,bears N.88°W.,16 lks.dist.,

SUBDIVISIONS OF T.10 S.,R.23 E.

CHAINS	
	marked ¼ S 34 B T.
	A cedar,6 ins.diam.,bears S.31°E.,28 lks.dist., marked ¼ S 35 B T.
44.50	Bottom of hollow,200 ft.deep,course W.
	Begin abrupt ascent.
47.00	Top of ridge bears NW.and SE.
	Begin abrupt descent.
80.00	Set a sandstone,24x10x6 ins.,18 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;from which
	A cedar,5 ins.diam.,bears N.9°E.,1.36 chs.dist., marked T 10 S R 23 E S 26 B T.
	A cedar,4 ins.diam.,bears S.13°E.,1.28 chs.dist., marked T 10 S. R 23 E S 35 B T.
	A cedar,9 ins.diam.,bears S.33°W.,42 lks.dist., marked T 10 S R 23 E S 34 B T.
	A cedar,8 ins.diam.,bears N.28°W.,94 lks.dist., marked T 10 S R 23 E S 27 B T.
	Land,mountainous.
	Soil;rocky,4th rate.
	Timber,cedar.
	Mountainous land on 80.00 chs.

	E.on a random line bet.secs.26 and 35.
40.00	Set temp.¼ sec.cor.
80.10	Intersect N.and S.line,5 lks.S.of the cor.of secs. 25-26-35 and 36.
	Thence I run
	S.89°58'W.on a true line
	Bet.secs.26 and 35.
	Descend over rocky broken land.
38.50	Bottom of hollow,200 ft.deep,course N.
	Begin abrupt ascent.
40.05	Set a sandstone,20x14x4 ins.,15 ins.in the ground,for

SUBDIVISIONS OF T.10 S.,R.23 E.

See Correction Notes Book Page 3

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. Ascend.
43.00	Top of spur projects N.
	Descend.
46.00	Bottom of hollow,100 ft.deep,course N.
	Ascend.
	Enter scattering cedar timber.
57.80	Top of spur projects N.
	Descend.
63.00	Bottom of hollow,100 ft.deep,course N.
	Ascend.
65.00	Top of spur projects N.
	Descend.
73.00	Bottom of hollow,150 ft.deep,course NE.
	Ascend.
80.10	The cor.of secs.26-27-34 and 35.
	Land,mountainous.
	Soil;rocky,4th rate.
	Timber,cedar.
	Mountainous land om 80.10 chs.
	July 16:At this cor.,I set off 21°22'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.26 and 27.
	Descend over rocky land through scattering cedar timber.
7.00	Bottom of hollow,100 ft.deep,course E.
	Begin abrupt ascent.
	Leave timber.
18.00	Top of rocky spur projects NE.
	Begin abrupt descent.
29.00	Bottom of hollow,150 ft.deep,course NE.

SUBDIVISIONS OF T.10 S.,R.23 E.

CHAINS	
	Begin abrupt ascent.
40.00	Set a sandstone,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.
	Pits impracticable.
58.00	Top of ridge bears NE.and SW.
	Begin abrupt descent.
78.50	Bottom of hollow,100 ft.deep,course NE.
	Ascend.
80.00	Set a sandstone,30x10x4 ins.,22 ins.in the ground,for cor.of secs.22-23-26 and 27,marked with 2 notches on the S.and E.edges;and raise a mound of stone,2 ft.base, 1½ ft.high,W.of cor.
	Pits impracticable.
	Land mountainous.
	Soil;rocky,4th rate.
	Timber,cedar.
	Mountainous land on 80.00 chs.

	N.89°58'E.on a random line bet.secs.23 and 26.
40.00	Set temp.¼ sec.cor.
79.92	Intersect N.and S.line,7 lks.S.of the cor.of secs. 23-24-25-26.
	Thence I run
	S.89°55'W.on a true line
	Bet.secs.23 and 26.
	Descend abruptly over rocky land.
13.50	To left bank of White River,course S.
15.10	To right bank of White River,1.60 chs.wide.
	Begin abrupt ascent.
24.00	Top of spur projects S.
	Begin abrupt descent.
33.50	To right bank of White River,course N.
35.70	To left bank of White River,2.20 chs.wide.

SUBDIVISIONS OF T.10 S.,R.23 E.

CHAINS	
	Begin abrupt ascent.
39.96	On top of spur projecting NE.,
	Set a sandstone,18x10x6 ins.,12 ins.in the ground,for $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on N.face;and raise a mound of stone,2 ft.base,$1\frac{1}{2}$ ft.high,N.of cor.
	Pits impracticable.
	Begin abrupt descent.
78.00	Bottom of hollow,150 ft.deep,course NE.
	Begin abrupt ascent.
79.92	The cor.of secs.22-23-26 and 27.
	Land,mountainous.
	Soil;rocky,4th rate.
	No timber.
	Mountainous land on 79.92 chs.
	July 16,1904.

	July 17:At 7h 06m a.m.,l.m.t.,I set off39°56'N.on the lat.arc;21°15'N.on the decl.arc;and determine a meridian with the solar at the cor.of secs.22-23-26 and 27.
	Thence I run
	N.0°01'W.,bet.secs.22 and 23.
	Ascend abruptly over rocky land.
2.30	Top of spur projects NE.
	Descend.
16.00	Bottom of hollow,100 ft.deep,course NE.
	Ascend.
21.00	Top of spur projects NE.
	Descend.
34.25	Bottom of hollow,100 ft.deep,course NE.
	Ascend.
36.50	Top of spur projects NE.
	Descend.
40.00	Set a sandstone,18x10x5 ins.,12 ins.in the ground,for

SUBDIVISIONS OF T.10 S.,R.23 E.

CHAINS	
	¼ sec.cor.,marked ¼ on W.face;and raise a mound of stone,2 ft.base,1½ ft.high,W.of cor.
	Pits impracticable.
49.00	Enter scattering cottonwood timber,over level land.
51.25	To left bank of White River,course SW.
53.65	To right bank of White River,1.50 chs.wide.
55.50	Leave timber.
	Begin abrupt ascent over rocky land.
73.00	Top of rocky spur projects W.
	Begin abrupt descent.
80.00	Set a sandstone,16x10x5 ins.,11 ins.in the ground, for cor.of secs.14-15-22 and 23,marked with 3 notches on the S.and 2 notches on the E.edge;and raise a mound of stone,2 ft.base,1½ ft.high,W.of cor.
	Pits impracticable.
	Land,mountainous,and level.
	Soil;rocky,and sandy;3rd and 4th rate.
	Timber,cottonwood.
	Mountainous land on 56.00 chs.

	N.89°55'E.on a random line bet.secs.14 and 23.
40.00	Set temp.¼ sec.cor.
80.10	Intersect N.and S.line,15 lks.N.of the cor.of secs. 13-14-23 and 24.
	Thence I run
	N.89°59'W.on a true line
	Bet.secs.14 and 23.
	Over level bottom land through dense greasewood brush:
3.60	To left bank of White River,course S.to SW.
4.70	To right bank of White River,1.10chs.wide.
13.00	Leave bottom land and dense undergrowth.
	Begin abrupt ascent over rocky land,bearing NE.and SW.
40.05	Set a sandstone,16x10x5 ins.,11 ins.in the ground,

SUBDIVISIONS OF T.10 S.,R.23 E.

CHAINS	
	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.
52.50	Top of sandstone ledges,bears NE.and SW.
65.00	Top of ridge bears NE.and SW.
	Descend.
69.00	Begin abrupt descent over sandstone ledges,bearing NE.and SW.
80.10	The cor.of secs.14-15-22 and 23.
	Land mountainous.
	Soil;rocky and sandy,3rd and 4th rate.
	No timber.
	Mountainous land or dense undergrowth on 80.10 chs.
	July 17:At this cor.,I set off 21°12'N.on the decl. arc;and at 12h06m 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.
	Descend abruptly over sandstone ledges.
2.00	Bottom of gulch,1000 ft.deep,course SW.
	Begin abrupt ascent over sandstone ledges.
27.50	Top of ridge bears NE.and W.
	Descend.
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.
80.00	Set a sandstone,16x10x8 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.
	No timber.

SUBDIVISIONS OF T.10 S.,R.23 E.

CHAINS	
	Mountainous land on 80.00 chs.

	S.89°59'E.on a random line bet.secs.11 and 14.
40.00	Set temp.$\frac{1}{4}$ sec.cor.
79.80	Intersect N.and S.line,7 lks.S.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 rough broken land.
6.00	Top of spur projects N.
	Descend.
21.00	Bottom of gulch,300 ft.deep,course NE.
	Begin abrupt ascent.
37.00	Top of spur projects N.
	Descend.
39.90	Set a sandstone,16x8x5 ins.,11 ins.in the ground,for $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on N.face;and raise a mound of stone,2 ft.base,$1\frac{1}{2}$ ft.high,N.of cor.
	Pits impracticable.
50.00	Top of ridge bears NW.and S.
	Descend.
58.00	Bottom of hollow,150 ft.deep,course NW.
	Ascend.
63.00	Point of spur projects N.
	Descend.
76.00	Bottom of hollow,100 ft.deep,course NW.
	Ascend.
79.80	The cor.of secs.10-11-14 and 15.
	Land,mountainous.
	Soil;rocky,4th rate.
	No timber.
	Mountainous land on 79.80 chs.
	July 17,1904.

SUBDIVISIONS OF T.10 S.,R.23 E.

CHAINS	
	July 18:At 7h 06m a.m.,l.m.t.,I set off 39°57'N.on the lat.arc;21°4'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 over broken land.
6.00	Top of spur projects NE.
	Descend.
17.00	Bottom of hollow,125 ft.deep,course NW.
	Ascend.
22.00	Point of spur projects W. Descend.
29.00	Bottom of hollow,100 ft.deep,course SW.
	Ascend.
34.00	Top of spur projects SW.
	Descend.
40.00	Set a sandstone,16x10x6 ins.,11 ins.in the ground,for ¼ sec.cor.,marked ¼ on W.face;and raise a mound of stone,2 ft.base,1½ ft.high,W.of cor.
	Pits impracticable.
47.00	Head of hollow,course W.
	Ascend.
50.00	Top of spur projects W.
	Descend.
61.00	Bottom of hollow,125 ft.deep,course SW.
	Ascend.
68.00	Top of spur projects SW.
	Descend.
74.00	Bottom of hollow,75 ft.deep,course SW.
	Ascend.
80.00	Set a sandstone,16x8x8 ins.,11 ins.in the ground,for cor.of secs.2-3-10-11,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.
	Pits impracticable.
	Land,mountainous.

SUBDIVISIONS OF T.10 S.,R.23 E.

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

	N.89°58'E.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. 1-2-11 and 12.
	Thence I run
	N.89°59'W.on a true line
	Bet.secs.2 and 11.
	Ascend over rocky broken land.
11.00	Top of ridge bears NE.and SW.
	Descend.
36.00	Bottom of hollow,100 ft.deep,course NW.
	Ascend.
39.98	On top of spur projecting N.,
	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.
48.00	Bottom of hollow,100 ft.deep,course SW.
	Ascend.
60.00	Top of spur projects SW.
	Descend.
76.00	Head of hollow,course SW.
	Ascend.
79.96	The cor.of secs.2-3-10 and 11.
	Land mountainous.
	Soil;rocky,4th rate.
	No timber.
	Mountainous land on 79.96 chs.
	July 18:At this cor.,I set off 21°1'N.on the decl.arc; and at 12h 00m p.m.,l.m.t.,observe the sun on the

SUBDIVISIONS OF T.10 S.,R.23 E.

CHAINS	
	meridian;the resulting lat.is 39°58'N.

	N.0°01'W.on a random line bet.secs.2 and 3.
40.00	Set temp.¼ sec.cor.
80.30	Intersect N.bdy.of the Tp.,15 lks.W.of the cor.of secs. 2-3-34 and 35,heretofore described.
	Thence I run
	S.0°05'W.on a true line bet.secs.2 and 3.
	Ascend over broken land.
6.00	Top of spur projects NW. Descend.
11.00	Wagon road bears NE.and SW.
	Bottom of hollow,100 ft.deep,course NW.
11.50	Wagon road from Rangely to Ouray Agency,bears NW.and SE.
12.75	Wagon road from White River bears NE.and SW.
40.30	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.
53.00	Top of spur projects NW.
	Descend.
64.00	Head of hollow,course NW.
	Ascend.
70.00	Top of ridge bears E.and W.
	Descend.
80.30	The cor.of secs.2-3-10 and 11.
	Land mountainous.
	Soil;rocky,4th rate.
	No timber.
	Mountainous land on 80.30 chs.
	July 18,1904.

SUBDIVISIONS OF T.10 S.,R.23 E.

CHAINS	
	July 19:At 7h 06m a.m.,l.m.t.,I set off 39°54'N.on the lat.arc;20°54'N.on the decl.arc;and determine a meridian with the solar at the standard cor.of secs.33 and 34, on the Second Standard Parallel South;heretofore describe
	Thence I run
	N.0°02'W.,bet.secs.33 and 34.
	Descend over rocky land.
10.60	Bottom of Atchee's Draw,400 ft.deep,course NW.
	Begin abrupt ascent.
20.15	Top of spur projects NW.
	Descend.
33.25	Bottom of hollow,150 ft.deep,course NW.
	Ascend.
39.00	Top of 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;and raise a mound of stone,2 ft.base,1½ ft.high,W.of cor.
	Pits impracticable.
	From this cor.,a rock cabin,15x10 ft.,belonging toSt.Lou Gilsonite Co.,bears N.56°W.
43.81	The "Pride of West" lode, a gilsonite vein, 18 ins.diam., bears NW and SE.
44.00	Bottom of hollow,100 ft.deep,course NW.
	Ascend.
60.40	Top of spur projects NW.
	Descend.
64.00	Bottom of hollow,100 ft.deep,course NW.
	Begin abrupt ascent over broken land.
80.00	Set a sandstone,28x18x5 ins.,21 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.

SUBDIVISIONS OF T.10 S.,R.23 E.

CHAINS	
	From this cor.,same cabin bears S.30°23'W.
	Land,mountainous.
	Soil;rocky,4th rate.
	No timber.
	Mountainous land on 80.00 chs.

	E.on a random line bet.secs.27 and 34.
40.00	Set temp.¼ sec.cor.
80.08	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.
12.60	Top of ridge bears N.and S.
	Descend.
16.00	Bottom of hollow,150 ft.deep,course NW.
	Ascend.
23.50	Top of rocky spur projects NW.
	Begin abrupt descent.
40.04	Set a sandstone,28x12x10 ins.,21 ins.in the ground,for ¼ sec.cor.,marked ¼ on N.face;from which
	A cedar,6 ins.diam.,bears N.61°E.,66 lks.dist., marked ¼ S 27 B T.
	A cedar,4 ins.diam.,bears S.35°30'E.,73 lks.dist., marked ¼ S 34 B T.
45.00	Bottom of hollow,600 ft.deep,course N.
	Begin abrupt ascent.
	Leave timber.
51.00	Top of ridge bears N.and S.
	Begin abrupt descent.
55.50	Head of hollow,course NW.
	Ascend.

SUBDIVISIONS OF T.10 S.,R.23 E.

CHAINS	
74.00	Top of spur projects NW.
	Descend.
80.08	The cor.of secs.27-28-33 and 34.
	Land,mountainous.
	Soil;rocky,4th rate.
	Timber cedar.
	Mountainous land on 80.08 chs.
	July19:At this cor.,I set off 20°51'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°02'W.,bet.secs.27 and 28.
	Over rocky land ascend abruptly.
2.00	Top of rocky spur projects W.
	Begin abrupt descent.
18.00	Bottom of hollow,150 ft.deep,course NW.
	Begin abrupt ascent.
40.00	Top of spur projects NW.
	Set a sandstone,32x10x8 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. Begin abrupt descent.
74.00	Enter level bottom land along White River,bearing NE.and SW.
	Enter dense greasewood and shadscale undergrowth.
78.20	Set a sandstone,24x10x3 ins.,12 ins.in the ground,for witness cor.to cor.of secs.21-22-27 and 28,marked WC on NE.face,with 2 notches on the S.and 3 notches on the E.edge;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.
80.00	To right bank of White River,2.25 chs.wide,course SW. Point for sec.cor.falls in river and cannot be set. Land,mountainous.
	Soil;rocky and sandy,3rd and 4th rate.

SUBDIVISIONS OF T.10 S.,R.23 E.

CHAINS	
	No timber.
	Mountainous land or dense undergrowth on 80.00 chs.

	N.89°56'E.on a random line bet.secs.22 and 27.
	From witness cor.to cor.of secs.21-22-27 and 28,I run N.89°56'E.,8.58 chs.;thence on offset line, N.0°02'W.,1.80 chs.to
8.58	Left bank of White River.
40.00	Set temp.$\frac{1}{4}$ sec.cor.
80.08	Intersect N.and S.line,3 lks.N.of the cor.of secs. 22-23-26 and 27.
	Thence I run
	S.89°57'W.on a true line
	Bet.secs.22 and 27.
	Ascend abruptly over rocky land.
10.00	Top of ridge bears NW.and SE.
	Descend.
11.50	Bottom of hollow,100 ft.deep,course NW.
	Ascend.
14.00	Top of rocky spur projects NW.
	Begin abrupt descent.
40.04	Set a sandstone,20x15x4 ins.,15 ins.in the ground, for $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on N.face;and raise a mound of stone,2 ft.base,$1\frac{1}{2}$ ft.high,N.of cor. Pits impracticable.
55.00	Bottom of hollow,100 ft.deep,course NW.
	Ascend.
58.00	Top of spur projects NW.
	Descend.
60.50	Enter level bottom land along White River,bearing NE.and SW.
	Enter dense greasewood brush.
71.50	To left bank of White River,2.00 chs.wide;course SW.

See Correc Notee Book Page 2

SUBDIVISIONS OF T.10 S.,R.23 E.

CHAINS	
	Thence I offset S.0°02'E.,1.80 chs.;S.89°57'W.,8.58 chs.t
80.08	The witness cor.to cor.of secs.21-22-27 and 28.
	Land,mountainous.
	Soil,rocky and sandy,3rd and 4th rate.
	No timber.
	Mountainous land or dense undergrowth on 80.08 chs.
	July 19,1904.

	July 20:At 7h 06m a.m.,l.m.t.,I set off 39°56'N.on the lat.arc;20°43'N.on the decl.arc;and determine a meridian with the solar at witness cor.for secs.21,22,27 and 28. From true point for corner I run
	N.0°02'W.,bet.secs.21 and 22.
	Ascend over broken land.
19.00	Begin abrupt ascent over sandstone ledges,bearing E.and W
25.50	Top of sandstone ledges bears E.and W. Ascend.
37.00	Top of spur projects NW.
	Descend.
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.
46.00	Bottom of hollow,100 ft.deep,course NW.
	Ascend.
56.00	Point of spur projects W.
	Descend.
61.00	Bottom of hollow,150 ft.deep,course W.
	Ascend.
68.00	Top of spur projects NW.,at junction with a spur projecting W.
	Descend.
80.00	Set a sandstone,16x12x5 ins.,11 ins .in the ground, for cor.of secs.15-16-21 and 22,marked

SUBDIVISIONS OF T.10 S., R.23 E.

Chains	
	10 S on NE., and
	23 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 co
	cor.Pits impracticable!
	Land mountainous.
	Soil rocky; 4th rate.
	No timber.
	Mountainous land on 80.00 chs.
	N.89°57'E.on a random line bet.secs.15 and 22
40.00	Set temp.¼ sec.cor.
79.90	Intersect N. and S.line 5 lks.N.of the cor.of secs.
	14.15.22. and 23. Thence I run
	S.89°59'W.on a true line bet.secs.15 and 22
	Descend over rocky land.
1.00	Bottom of gulch 1000 ft.deep,course SW.
	Ascend abruptly over sandstone ledges.
6.50	Top of ledge spur projects SW.
	Descend abruptly over sandstone ledges.
15.00	Bottom of gulch 500 ft.deep,course SW.
	Ascend abruptly over sandstone ledges.
39.95	Point for ¼ sec.cor.falls on perpendicular face of
	sandstone ledge and cannot be set.
58.50	Top of sandstone ledges bear NE. and SW.
	Set a sandstone 18x12x5 ins.,12 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.
59.50	Top of ridge bears NE.and SW.; descend.
66.00	Head of hollow, course NW.;ascend.
74.00	Point of spur projects NW.; descend.
77.00	Bottom of hollow, 150 ft.deep,course NW.
79.00	The cor.of secs.15,16,21, and 22.

Chains.	
	Land mountainous.
	Soil rocky; 4th rate.
	No timber.
	Mountainous land on 79.90 chs.
	July 20: At this cor.I set off 20°39'N.on the decl. arc; and at 12 h.06 m.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
	Descend abruptly over broken land.
2.00	Bottom of hollow, 250 ft.deep,course NW.
	Begin abrupt ascent.
8.00	Point of spur projects W.; descend.
21.00	Bottom of hollow 300 ft.deep,course W.
	Ascend.
30.00	Point of spur projects SW.
	Descend.
39.00	Bottom of hollow 250 ft.deep,course SW.
	Ascend.
40.00	Set a sandstone 16x8x6 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.
45.00	Top of ridge bears E.and W.
	Descend.
66.00	Head of hollow course NW.
	Begin abrupt ascent.
72.00	Top of abrupt ascent bears NW. and SE.
80.00	On top of spur projecting NW.
	Set a sandstone 14x12x4 ins.,9 ins.in the ground, for cor.of secs.9,10,15, and 16, marked with 4 notches on the S. and 3 notches on the E. edge; and raise a mound of stone 2 ft.base $1\frac{1}{2}$ ft.high W.of cor.

SUBDIVISIONS OF T.10 S.,R.23 E.

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

	N.89°59'E. on a random line bet. secs. 10 and 15.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.08	Intersect N. and S. line, 9 lks. N. of the cor. of secs. 10-11-14 and 15.
	Thence I run
	N.89°57'W. on a true line
	Bet. secs. 10 and 15.
	Ascend over broken rocky land.
8.00	Top of ridge bears N. and S.
	Descend.
15.00	Bottom of hollow, 100 ft. deep, course NW. to W.
18.00	Leave bottom of hollow, course NW.
21.00	Point of spur projects N.
	Descend.
35.00	Bottom of hollow, 150 ft. deep, course N.
	Ascend.
40.04	Set a sandstone, 16x8x5 ins., 11 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
	Pits impracticable.
43.00	Top of ridge bears NW. and SE.
	Descend.
56.00	Bottom of hollow, 100 ft. deep, course NW.
	Begin abrupt ascent.
60.50	Top of spur projects NW.
	Descend.
67.00	Bottom of hollow, 300 ft. deep, course NW.
	Begin abrupt ascent.

SUBDIVISIONS OF T.10 S.,R.23 E.

CHAINS	
77.50	Point of spur projects NE.
	Descend.
80.08	The cor. of secs.9-10-15 and 16.
	Land, mountainous.
	Soil; rocky, 4th rate.
	No timber.
	Mountainous land on 80.08 chs. July 20-1904.

	July 21: At 7h 06m a.m., l.m.t., I set off 39°57'N. on the lat. arc; 20°31'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 abruptly over rocky broken land.
5.00	Bottom of hollow, 150 ft. deep, course NW. to N.
	Descend along bottom of same hollow, course N.
18.00	Leave bottom of same hollow; 300 ft. deep, course NW.
	Ascend.
27.00	Top of spur projects NW.
	Begin abrupt descent.
31.00	Bottom of hollow, 300 ft. deep, course SW. Ascend.
40.00	Set a sandstone, 14x10x6 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.
51.50	Top of spur projects W.
	Descend.
70.50	Bottom of hollow, 100 ft. deep, course W.
	Ascend.
75.00	Top of spur projects SW.
	Descend.
80.00	Set a sandstone, 16x6x6 ins., 11 ins. in the ground, for cor. of secs.3-4-9 and 10, marked with 5 notches on the

SUBDIVISIONS OF T.10 S.,R.23 E.

CHAINS	
	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 on 80.00 chs.

	S.89°57'E.on a random line bet.secs.3 and 10.
40.00	Set temp.¼ sec.cor.
80.10	Intersect N.and S.line,3 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.
	Ascend over broken land.
9.00	Top of spur projects SW.
	Descend.
34.00	Bottom of hollow,75 ft.deep,course SW.
	Ascend.
40.05	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.
45.00	Top of ridge bears NE.and SW.
	Descend.
50.00	Bottom of hollow,100 ft.deep,course SW.
	Ascend.
56.00	Top of spur projects SW.
	Descend.
64.00	Bottom of hollow,100 ft.deep,course SW.
	Ascend.
70.25	Top of spur projects SW.
	Descend.

SUBDIVISIONS OF T.10 S.,R.23 E.

CHAINS	
80.10	The cor.of secs.3-4-9 and 10.
	Land,mountainous.
	Soil;rocky,4th rate.
	No timber.
	Mountainous land on 80.10 chs.
	July 21:At this cor.,I set off 20°28'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°58'N.

	N.0°02'W.on a random line bet.secs.3 and 4.
40.00	Set temp.¼ sec.cor.
80.32	Intersect N.bdy.of the Tp.,27 lks.W.of the cor.of secs.3-4-33 and 34,heretofore described.
	Thence I run S.0°10'W.on a true line bet.secs.3 and 4..
	Ascend over rocky land.
20.00	Top of ridge bears NW.and SE.
	Descend.
30.00	Head of hollow,course W.
	Ascend.
40.32	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.
45.00	Top of ridge bears E.and W.
	Descend.
50.00	Bottom of hollow,150 ft.deep,course SW.
	Ascend.
52.00	Wagon road bears NE.and SW.
63.20	Top of spur projects SW.
	Descend.
76.00	Bottom of hollow,100 ft.deep,course SW.
	Ascend.
80.32	The cor.of secs.3-4-9 and 10.
	Land,mountainous.

SUBDIVISIONS OF T.10 S.,R.23 E.

CHAINS	
	Soil;rocky,4th rate.
	No timber.
	Mountainous land on 80.32 chs. July 21,1904.

	July 22:At 7h 06m a.m.,l.m.t.,I set off 39°54'N.on the lat. arc;20°20'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 abruptly over rocky land.
5.75	Bottom of hollow,200 ft.deep,course NW.
	Begin abrupt ascent. Enter scattering cedar timber.
32.35	Top of ridge bears NW.and SE.
	Descend.
40.00	Set a sandstone,20x12x8 ins.,15 ins.in the ground,for ¼ sec.cor.,marked ¼ on W.face;from which
	A cedar,5 ins.diam.,bears S,14°30'E.,14 lks.dist., marked ¼ S 33 B T.
	A cedar,8 ins.diam.,bears N.65°W.,44 lks.dist., marked ¼ S 32 B T.
46.30	"Harrison Lode",a gilsonite vein,12 ins.diam.,bears NW.and SE.
48.00	Bottom of hollow,150 ft.deep,course NE.
	Begin abrupt ascent.
52.45	Top of spur projects NE.
	Begin abrupt descent.
66.00	Bottom of hollow,200 ft.deep,course NE.
	Begin abrupt ascent.
72.00	Top of spur projects NE.
	Descend.
80.00	Set a sandstone,18x15x5 ins.,12 ins.in the ground,for cor.of secs.28-29-32 and 33,marked with 1 notch on

SUBDIVISIONS OF T.10 S.,R.23 E.

CHAINS	
	the S.,and 4 notches on the E.edge;from which
	A cedar,10 ins.diam.,bears N.23°E.,53 lks.dist., marked T 10 S R 23 E S 28 B T.
	A cedar,8 ins.diam.,bears S.9°30'E.,25 lks.dist., marked T 10 S R 23 E S 33 B T.
	A cedar,12 ins.diam.,bears S.82°W.,29 lks.dist., marked T 10 S R 23 E S 32 B T.
	A cedar,6 ins.diam.,bears N.59°W.,24 lks.dist., marked T 10 S R 23 E S 29 B T.
	Land,mountainous.
	Soil;rocky,4th rate.
	Timber,cedar.
	Mountainous land on 80.00 chs.

	E.on a random line bet.secs.28 and 33.
40.00	Set temp.$\frac{1}{4}$ sec.cor.
80.06	Intersect N.and S.line,5 lks.S.of the cor.of secs.27-28-33 and 34.
	Thence I run
	S.89°58'W.on a true line
	Bet.secs.28 and 33.
	Descend abruptly over rocky land.
19.50	Bottom of Atchee's Draw,400 ft.deep,course N..
	Begin abrupt ascent.
40.03	Set a sandstone,24x10x4 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.
	Pits impracticable.
48.00	Enter scattering cedar timber.
72.00	"Pride of West Lode",a gilsonite vein,18 ins.wide, bears NW.and SE.
74.50	Top of spur projects NE.
	Descend.
77.00	Bottom of hollow,100 ft.deep,course NE.
	Ascend.

SUBDIVISIONS OF T.10 S.,R.23 E.

CHAINS	
80.06	The cor.of secs.28-29-32 and 33.
	Land,mountainous.
	Soil;rocky,4th rate
	Timber cedar.
	Mountainous land on 80.06 chs.
	July 22-At this cor.,I set off 20°16'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°03'W.,bet.secs.28 and 29.
	Descend abruptly over rocky land through scattering cedar timber.
5.00	"Pride of West Lode",a gilsonite vein,18 ins.wide,bears NW.and SE.
9.50	Bottom of hollow,150 ft.deep,course NE.
	Begin abrupt ascent.
13.50	Top of spur projects NE.
	Begin abrupt descent.
26.00	Bottom of hollow,200 ft.deep,course NE.
	Begin abrupt ascent.
28.60	Top of rocky spur projects E.
	Begin abrupt descent.
39.50	Bottom of hollow,400 ft.deep,course NE.
	Begin abrupt ascent.
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.
51.40	Top of rocky ridge bears NE.and SW.
	Begin abrupt descent.
56.00	Bottom of hollow,300 ft.deep,course NE.
	Begin abrupt ascent.
	Leave timber.
63.40	Top of rocky spur projects E.

SUBDIVISIONS OF T.10 S.,R.23 E.

CHAINS	
	Begin abrupt descent.
80.00	Set a sandstone,28x12x4 ins.,21 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.

	N.89°58'E.on a random line bet.secs.21 and 28.
40.00	Set temp.¼ sec.cor.
61.36	To left bank of White River.
	To pass river,I offset S.0°02'E.,10.00chs.;then,on the offset line
	N.89°58'E.,18.70 chs.,to line bet.secs.27 and 28;
	N.0°02'W.,8.20 chs.,to random line at
80.06	Fall 5 lks.S.of witness cor.set 1.80 chs.S.of cor.of secs.21-22-27 and28.
	From the witness cor.,I offset
	S.0°02'E.,8.20 chs.;then,on offset line
	S.89°56'W.,18.70 chs.;
	N.0°02'W.,10.00 chs.,to true line at
18.70	To left bank of White River,1.50 chs.wide,course NW.
	Thence S.89°56'W.on a true line bet.secs.21 and 28.
	Over level bottom land through dense greasewood brush.
33.00	Leave bottom land,bearing NW.and SE.
	Begin abrupt ascent.
40.03	Set a sandstone,24x12x4 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.
65.40	Top of rocky spur projects N.

SUBDIVISIONS OF T.10 S.,R.23 E.

CHAINS	
	Descend.
72.50	Bottom of hollow,200 ft.deep,course N.
	Ascend.
80.06	The cor.of secs.20-21-28 and 29.
	Land,mountainous,and level.
	Soil;rocky,and sandy,3rd and 4th rate.
	No timber.
	Mountainous land or dense undergrowth on 80.06 chs. July 22,1904.

	July 23:At 7h 06m a.m.,l.m.t.,I set off 39°56'N.on the lat.arc;20°07'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
	N.0°03'W.,bet.secs.20 and 21.
	Descend abruptly over rocky land.
22.00	Bottom of hollow,200 ft.deep,course NE.
	Begin abrupt ascent.
37.85	Top of rocky spur projects NE.
	Begin abrupt descent.
40.00	Set a sandstone,24x10x10 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.
65.50	To left bank of White River,1.60 chs.wide,course NW.
67.50	To right bank of White River.
	Ascend through dense greasewood brush.
80.00	Set a sandstone,16x8x4 ins.,11 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 and sandy,3rd and 4th rate.

SUBDIVISIONS OF T.10 S.,R.23 E.

CHAINS	
	No timber.
	Mountainous land or dense undergrowth 80.00 chs.

	N.89°56'E.on a random line bet.secs.16 and 21.
40.00	Set temp.¼ sec.cor.
79.80	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.
	Ascend abruptly over rocky land.
7.50	Top of spur projects NW.
	Begin abrupt descent.
11.00	Bottom of hollow,250 ft.deep,course NW.to W.
	Descend along bottom of hollow.
25.00	Leave bottom of same hollow,300 ft.deep,course NW.
	Ascend.
37.50	Top of spur projects NW.
	Descend.
39.90	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.
70.00	Bottom of gulch,600 ft.deep,course S. Ascend abruptly.
74.00	Top of spur projects S. Descend.
78.00	Wagon road from White River bears N.and S.
79.80	The cor.of secs.16-17-20 and 21.
	Land,mountainous.
	Soil,rocky,4th rate.
	No timber.
	Mountainous land on 79.80 chs.
	JUly 23:At this cor.,I set off 20°04'N.on the decl.arc; and at 12h06m p.m.,l.m.t.,observe the sun on the

SUBDIVISIONS OF T.10 S.,R.23 E.

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

	N.0°03'W.,bet.secs.16 and 17.
	Ascend abruptly over rocky land along west side of hollow.
6.00	Bottom of hollow,300 ft.deep,course SW.
	Ascend.
32.00	Top of spur projects NE.
	Begin abrupt descent.
37.00	Bottom of same hollow,course S.to SE.
	Ascend along bottom of hollow.
40.00	Set a sandstone,14x11x5 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.
45.00	Leave bottom of hollow,course SW.to S.
	Begin abrupt ascent.
56.00	Foot of sandstone ledges bears NE.and SW.
	Ascend over precipitous sandstone ledges.
65.00	Top of rocky spur projects NE.
	Descend.
80.00	Set a sandstone,16x10x8 ins.,11 ins.in the ground,for cor.of secs.8-9-16 and 17,marked with 4 notches on the S.and E.edges;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.

SUBDIVISIONS OF T.10 S.,R.23 E.

CHAINS	
	E.on a random line bet.secs.9 and 16.
40.00	Set temp.$\frac{1}{4}$ sec.cor.
80.10	Intersect N.and S.line,7 lks.S.of the cor.of secs. 9-10-15 and 16.
	Thence I run
	S.89°57'W.on a true line
	bet.secs.9 and 16.
	Descend abruptly over rocky land.
15.00	Bottom of hollow,400 ft.deep,course NW.
23.50	Top of spur projects NW.
	Descend,abruptly.
34.50	Bottom of hollow,500 ft.deep,course SW.to W.
	Descend along bottom of hollow.
40.05	Set a sandstone,16x7x5 ins.,11 ins.in the ground,for $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on N.face;and raise a mound of stone,2 ft.base,1$\frac{1}{2}$ ft.high,N.of cor.
	Pits impracticable.
42.00	Leave bottom of hollow,course NW.
	Ascend.
50.00	Top of spur projects NW.
	Descend.
54.00	Bottom of hollow,300 ft deep,course S, Ascend abruptly.
	Wagon road from White River bears N.and S.
61.50	Top of spur projects N.
	Descend.
80.10	The cor.of secs.8-9-16 and 17.
	Land,mountainous.
	Soil;rocky,4th rate.
	No timber.
	Mountainous land on 80.10 chs.

July 23,1904.

SUBDIVISIONS OF T.10 S.,R.23 E.

CHAINS	
	July 24:At 7h.06m a.m.,l.m.t.,I set off 39°57'N.on the lat.arc;19°55'N.on the decl.arc;and determine a meridian with the solar at the cor.of secs.8-9-16 and 17.
	Thence I run
	N.0°03'W.,bet.secs.8 and 9.
	Descend over rocky land.
26.00	Bottom of hollow,300 ft.deep,course NE.
	Begin abrupt ascent.
37.00	Top of spur projects E.
	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.
55.00	Bottom of hollow,300 ft.deep,course SE.
	Begin abrupt ascent.
60.00	Top of spur projects W.
	Descend
72.00	Head of hollow,course W,
	Ascend.
78.00	Top of spur projects W.
	Descend.
80.00	Set a sandstone,16x8x5 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.

SUBDIVISIONS OF T.10 S.,R.23 E.

CHAINS	
	N.89°57'E.on a random line bet.secs.4 and 9.
40.00	Set temp.¼ sec.cor.
80.08	Intersect N.and S.line,21 lks.N.of the cor.of secs.3-4-9 and 10.
	Thence I run
	N.89°54'W.on a true line bet.secs.4 and 9
	Descending over rocky land.
6.00	Bottom of hollow,150 ft.deep,course SW.
	Begin abrupt ascent.
11.00	Top of spur projects SW.
	Begin abrupt descent.
16.00	Bottom of hollow,200 ft.deep,course SW.
	Ascend
24.00	Top of spur projects S.
	Descend.
33.00	Bottom of hollow,100 ft.deep,course S.
	Ascend.
40.04	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.
60.00	Top of ridge bears N.and S.
	Descend. Wagon road bears N.and S.
64.00	Head of hollow,course NW.
	Ascend.
69.00	Point of spur projects NW.
	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.
	July 24:At this cor.,I set off 19°52'N.on the decl. arc;and at 12h 06m p.m.,l.m.t.,observe the sun on the

SUBDIVISIONS OF T.10 S.,R.23 E.

CH.INS	
	meridian;the resulting lat.is 39°58'N.

	N.0°03'W.on a random line bet.secs.4 and 5.
40.00	Set temp.$\frac{1}{4}$ sec.cor.
80.31	Intersect N.bdy.of the Tp.,18 lks.W.of the cor.of secs.4-5-32 and 33,heretofore described.
	Thence I run
	S.0°05'W.on a true line
	bet.secs.4 and 5.
	Descend over rocky land.
7.00	Bottom of hollow,100 ft.deep,course NW.
	Ascend.
27.00	Top of ridge bears NW.and SE.
	Descend abruptly.
37.00	Bottom of hollow,100 ft.deep,course SW.
	Ascend abruptly.
40.31	Set a sandstone,16x10x5 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.
42.50	Top of spur projects SW.
	Descend.
59.00	Bottom of hollow,150 ft.deep,course SW.
	Ascend.
67.00	Top of spur projects W.
	Descend.
77.00	Bottom of hollow,100 ft.deep,course W.
	Ascend.
80.31	The cor.of secs.4-5-8 and 9.
	Land,mountainous.
	Soil;rocky,4th rate.
	No timber.
	Mountainous land on 80.31 chs.
	July 24,1904.

SUBDIVISIONS OF T.10 S.,R.23 E.

CHAINS	
	July 25:At 7h 06m a.m.,l.m.t.,I set off 39°54'N.on the lat.arc;19°42'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.
	Ascend abruptly over rocky land.
13.70	Top of rocky spur projects W.
	Begin abrupt descent.
28.00	Bottom of west fork of Saddle Tree Draw,400 ft.deep, course NE.
	Begin abrupt ascent.
39.00	Top of rocky spur projects E.
	Begin abrupt descent.
40.00	Set a sandstone,20x10x10 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.
48.50	Bottom of hollow,300 ft.deep,course NE.
	Begin abrupt ascent.
58.50	Top of rocky ridge bears NE.and SW.
	Descend.
80.00	Set a sandstone,24x15x6 ins.,18 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 earth,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.

SUBDIVISIONS OF T.10 S.,R.23 E.

CHAINS	
	E.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.S.of the cor.of secs. 28-29-32 and 33.
	Thence I run
	S.89°55'W.on a true line
	bet.secs.29 and 32.
	Ascend over rocky land through scattering cedar timber.
1.50	Top of spur projects N.
	Descend.
8.00	Bottom of hollow,100 ft.deep,course N.
	Ascend.
12.25	Top of ridge bears N.and S.
	Begin abrupt descent. Leave timber.
39.95	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.
43.50	Bottom of Saddle Tree Draw,500 ft.deep,course N.
	Begin abrupt ascent.
51.23	"Harrison Lode",a gilsonite vein,18 ins.wide.,bears NW.and SE.
64.00	Top of rocky spur projects NE.
	Descend abruptly.
79.90	The cor.of secs.29-30-31 and 32.
	Land,mountainous.
	Soil;rocky,4th rate.
	Timber,cedar.
	Mountainous land on 79.90 chs.
	July 25:At this cor.,I set off 19°39'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.

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SUBDIVISIONS OF T.10 S.,R.23 E.

CHAINS	
	W.on a random line bet.secs.30 and 31.
40.00	Set temp.$\frac{1}{4}$ sec.cor.
79.96	Intersect W.bdy.of the Tp.,7 lks.N.of the cor.of secs. 25-30-31 and 36,heretofore described.
	Thence I run
	N.89°57'E.on a true line
	bet.secs.30 and 31.
	Ascend abruptly over broken and rocky land.
32.00	Top of ridge bears N.and S.
	Descend.
38.00	Bottom of hollow,150 ft.deep,course NE.
	Begin abrupt ascent.
39.96	Set a sandstone,24x12x4 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.
	Pits impracticable.
46.00	Top of spur projects N.
	Begin abrupt descent.
58.00	Bottom of hollow,150 ft.deep,course NW.
	Begin abrupt ascent.
66.00	Top of ridge bears N.and S.
	Begin abrupt descent.
79.30	Bottom of hollow,250 ft.deep,course NE.
	Ascend.
79.96	The cor.of secs.29-30-31 and 32.
	Land,mountainous.
	Soil;rocky,4th rate.
	No timber.
	Mountainous land on 79.96 chs.

	N.0°03'W.,bet.secs.29 and 30.
	Descend over rocky land.
0.75	Bottom of hollow,200 ft.deep,course NE.
	Begin abrupt ascent.

SUBDIVISIONS OF T.10 S.,R.23 E.

CHAINS	
20.50	"Harrison Lode",a gilsonite vein,18 ins.wide,bears NW.and SE.
26.00	Top of rocky spur projects E.
	Descend.
39.00	Bottom of hollow,150 ft.deep,course NE.
	Ascend.
40.00	Set a sandstone,18x15x5 ins.,12 ins.in the ground,for $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on W.face ;and raise a mound of stone,2 ft.base,$1\frac{1}{2}$ ft.high,W.of cor.
	Pits impracticable.
48.55	"Pride of West Lode",a gilsonite vein,18 ins.wide, bears NW.and SE.
53.55	Top of rocky spur projects E.
	Begin abrupt descent.
80.00	Set a sandstone,15x10x4 ins.,10 ins.in the ground,for cor.of seds.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,$1\frac{1}{2}$ ft.high,W.of cor.
	Pits impracticable.
	Land,mountainous.
	Soil;rocky,4th rate.
	No timber.
	Mountainous land on 80.00 chs.
	July 25,1904.

	July 26:At 7h 06m a.m.,l.m.t.,I set off 39°56'N.on the lat.arc;19°29'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
	N.89°55'E.on a random line bet.secs.20 and 29.
40.00	Set temp.$\frac{1}{4}$ sec.cor.
80.08	Intersect N.and S.line,19 lks.N.of the cor.of secs. 20-21-28 and 29.
	Thence I run

SUBDIVISIONS OF T.10 S.,R.23 E.

CHAINS	
	N.89°57'W.on a true line bet.secs.20 and 29.
	Ascend abruptly over rocky land.
1.50	Top of rocky spur projects N.
	Begin abrupt descent.
11.50	Bottom of hollow,300 ft.deep,course NE.
	Begin abrupt ascent.
16.00	Top of rocky spur projects NE.
	Begin abrupt descent.
21.00	Bottom of hollow,150 ft.deep,course NE.
	Begin abrupt ascent.
24.25	Top of ridge bears N.and S.
	Begin abrupt descent.
25.50	Head of hollow,course N.
	Ascend.
31.50	Top of rocky spur projects NW.
	Begin abrupt descent.
40.04	Set a sandstone,24x10x10 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.
65.50	Bottom of Saddle Tree Draw,500 ft.deep,course N.
	Begin abrupt ascent.
68.90	Top of spur projects NE.
	Descend.
71.00	Bottom of hollow,100 ft.deep,course NE.
	Ascend.
80.08	The cor.of secs.19-20-29 and 30.
	Land,mountainous.
	Soil;rocky,4th rate.
	No timber.
	Mountainous land on 80.08 chs.

SUBDIVISIONS OF T.10 S.,R.23 E.

CHAINS	
	S.89°57'W.on a random line bet.secs.19 and 30.
40.00	Set temp.¼ sec.cor.
79.84	Intersect W.bdy.of the Tp.,14 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.
	Descend abruptly over rocky land.
4.00	Bottom of hollow,300 ft.deep,course NW.
	Begin abrupt ascent.
13.45	Top of ridge bears NW.and SE.
	Descend.
18.00	Head of hollow,course NW. Ascend.
21.25	Top of ridge bears NW.and SE. Descend.
21.40	"Pride of West Lode",a gilsonite vein,18 ins.wide,bears NW.and SE.
28.00	Bottom of hollow,100 ft.deep,course NE.
	Ascend.
35.25	Top of spur projects NE.
	Begin abrupt descent.
39.84	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.
67.50	Bottom of hollow,300 ft.deep,course NE.
	Ascend.
76.50	Top of ridge bears N.and S.
	Descend.
79.84	The cor.of secs.19-20-29 and 30.
	Land,mountainous .
	Soil;rocky,4th rate.
	No timber.
	Mountainous land on 79.84 chs.

SUBDIVISIONS OF T.10 S.,R.23 E.

CHAINS	
	N.0°03'W.,bet.secs.19 and 20.
	Descend over rocky land.
8.00	Bottom of hollow,100 ft.deep,course NE.
	Ascend.
12.00	Top of spur projects NE.
	Descend.
21.00	Bottom of hollow,100 ft.deep,course NE. Ascend.
29.00	Top of spur projects NE. Descend.
35.00	Enter level bottom land along White River,through dense greasewood brush.
40.00	Set a sandstone,28x12x5 ins.,21 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.
41.00	To White River,1.75 chs.wide,course SW.
43.50	To Right bank of White River.
	Begin abrupt ascent over rocky land.
	Leave dense undergrowth.
59.00	Top of spur projects W.
	Descend.
71.00	Bottom of gulch,500 ft.deep,course W.
	Begin abrupt ascent.
80.00	Set a sandstone,16x12x4 ins.,11 ins.in the ground,for cor.of secs.17-18-19 and 20,marked with 3 notches on the S.and 5 notches on the E.edges;and raise a mound of stone,2 ft.base,1½ ft.high,W.of cor.
	Pits impracticable.
	Land mountainous.
	Soil;rocky,4th rate.
	No timber.
	Mountainous land or dense undergrowth on 80.00 chs.

SUBDIVISIONS OF T.10 S.,R.23 E.

CHAINS	
	July 26:At the cor.of secs.17-18-19 and 20,I set off 19°26'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.
	Thence I run
	S.89°57'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.S.of the cor.of secs. 16-17-20 and 21.
	Thence I run
	N.89°59'W.on a true line bet.secs.17 and 20.
	Descend over rocky land .
2.00	Bottom of hollow;600 ft.deep,course S.
	Ascend.
9.00	Point of spur projects S.
	Descend.
15.00	Right bank of White River,1.50 chs.wide,course NW.
16.70	Left bank of White River.
	Over level land through dense greasewood brush.
34.00	Left bank of White River,1.50 chs.wide,course SW.
36.00	Right bank of White River.
37.50	At mouth of gulch,1000 ft.deep,course SE.
	Begin abrupt ascent.
	Leave dense undergrowth.
40.05	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.
79.00	Top of ridge bears SE.and NW.
	Begin abrupt descent.
80.10	The cor.of secs.17-18-19 and 20.
	Land,mountainous,and level.
	Soil;rocky and sandy,3rd and 4th rate.

SUBDIVISIONS OF T.10 S.,R.23 E.

CHAINS	
	No timber.
	Mountainous land or dense undergrowth on 80.10 chs.

	N.89°57'W.on a random line bet.secs.18 and 19.
40.00	Set temp.$\frac{1}{4}$ sec.cor.
79.70	Intersect W.bdy.of the Tp.,7 lks.N.of the cor.of secs. 13-18-19 and 24,heretofore described.
	Thence I run
	East on a true line
	bet.secs.18 & 19.
	Descend over broken land.
3.50	Bottom of hollow,300 ft.deep.course NE.
14.20	Top of spur projects N.
	Begin abrupt descent.
19.85	Left bank of White River,1.75 chs.Wide,course NW.
24.00	Right bank of White River. Ascend over rocky land.
39.70	Set a sandstone,14x10x6 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.
	Begin abrupt ascent.
48.00	Top of ledge spur projects S.
	Begin abrupt descent.
53.00	Bottom of gulch 200 ft.deep,course SW.
	Ascend.
72.00	Top of spur projects SW.
	Begin abrupt descent.
76.00	Bottom of hollow,100 ft.deep,course SW.
	Begin abrupt ascent.
79.70	The cor.of secs.17-18-19 and 20.
	Land,mountainous.
	Soil;rocky,4th rate.
	No timber.
	Mountainous land on 79.70 chs.

SUBDIVISIONS OF T.10 S.,R.23 E.

CHAINS	
	N.0°03'W.,bet.secs.17 and 18.
	Ascend abruptly over rocky land.
2.00	Top of ridge bears NW.and SE.
	Begin abrupt descent.
16.00	Foot of abrupt descent bears NW.and SE.
	Descend.
32.00	Enter bottom of gulch,600 ft.deep,course SE.
35.50	Leave bottom of gulch.
	Begin abrupt ascent over sandstone ledges.
40.00	Point for ¼ sec.cor.,falls on perpendicular face of sandstone ledge;cannot be set.
41.00	Top of sandstone ledges bears NW.and SE.
	Set a sandstone,16x9x6 ins.,11 ins.in the ground,for witness cor.to ¼sec.cor.,marked WC ¼ on W.face;and raise a mound of stone,2 ft.base,1½ ft.high,W.of cor.
	Pits impracticable.
45.00	Point of spur projects E.
	Begin abrupt descent.
54.00	Bottom of gulch,300 ft.deep,course SE.
	Begin abrupt ascent.
69.00	Top of ridge bears E.and W.
	Descend.
80.00	Set a sandstone,16x10x4 ins.,11 ins.in the ground, for cor.of secs.7-8-17 and 18,marked with 4 notches on the S.and 5 notches on the E.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 26,1904.

SUBDIVISIONS OF T.10 S.,R.23 E.

CHAINS	
	July 27:At 7h 06m a.m.,l.m.t.,I set off 39°57'N.on the lat.arc;and 19°16'N.on the decl.arc;and determine a meridian with the solar at the cor.of secs.7-8-17 and 18.
	Thence I run
	S.89°59'E.on a random line bet.secs.8 and 17.
40.00	Set temp.¼ sec.cor.
80.02	Intersect N.and S.line,7 lks.S.of the cor.of secs. 8-9-16 and 17.
	Thence I run
	S.89°58'W.on a true line bet.secs.8 and 17.
	Descend abruptly over rocky land.
9.00	Bottom of hollow,200 ft.deep,course NE.
	Ascend. ?
25.00	Top of spur projects NE.
	Descend.
31.00	Head of hollow,course NE.
	Ascend.
40.01	Top of ridge bears N.and S.
	Set a sandstone,14x10x6 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.
	Descend.
47.00	Bottom of hollow,100 ft.deep,course SE.
	Ascend.
61.00	Top of ridge bears N.and S.
	Descend.
80.02	The cor.of secs.7-8-17 and 18.
	Land,mountainous.
	Soil;rocky,4th rate.
	No timber.
	Mountainous land on 80.02 chs.

Subdivisions of T 10 S [illegible] 23 F -C [illegible]

Chains	
	West, on a random line bet. secs. 7 and 18.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
79.65	Intersect W. bdy. of the Tp., 12 lks. N. of the cor. of secs. 7, 12, 13, and 18, heretofore described.
	Thence I run
	N. 89°55'E. on a true line bet. secs. 7 and 18.
	Descend abruptly over rocky land.
5.00	Bottom of gulch, 200 ft. deep, course N.
	Ascend.
29.00	Top of spur, projects NW. Descend.
39.65	Set a sandstone, 16x8x6 ins., 11 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
	Pits impracticable.
40.10	Bottom of hollow, 100 ft. deep, course NW.
	Ascend.
66.00	Top of ridge, bears NE. and SW.
	Descend.
77.00	Head of hollow, course NE.
	Ascend.
79.65	The cor. of secs. 7, 8, 17, and 18.
	Land, mountainous.
	Soil, rocky; 4th rate.
	No timber.
	Mountainous land on 79.65 chs.

	N. 0°03'W., bet. secs. 7 and 8.
	Descend over rocky broken land.
8.00	Hollow 50 ft. deep, course E.
	Ascend.
14.00	Top of spur, projects E.
	Descend.
21.00	Head of hollow, course NE.

Subdivisions of T.10 S., R.23 E.-Continued.

Chains	
	Ascend.
30.00	Top of spur, projects NE.
	Descend.
35.00	Head of hollow, course E.
40.00	On top of spur projecting NE.,
	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.
	Descend.
48.00	Bottom of hollow, 50 ft. deep, course NE.
	Ascend.
52.00	Top of spur, projects NE.
	Descend.
58.00	Bottom of hollow, 50 ft. deep, course NW.
	Ascend.
64.00	Top of ridge, bears E. and W.
	Descend.
69.00	Bottom of hollow, 100 ft. deep, course NW. Ascend.
80.00	On top of spur projecting W.,
	Set a sandstone, 16x6x6 ins., 11 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 on 80.00 chs.
	July 27: At this cor. I set off 19°12'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°58'N.

SUBDIVISIONS OF T.10 S.,R.23 E.

CHAINS	
	N.89°58'E.on a random line bet.secs.5 and 8.
40.00	Set temp.¼ sec.cor.,
80.04	Intersect N.and S.line,11 lks.S.of the cor.of secs. 4-5-8 and 9.
	Thence I run
	S.89°53'W.on a true line
	Bet.secs.5 and 8.
	Descend over broken and rocky land.
10.50	Bottom of McCook's Hollow,200 ft.deep,course S.
	Ascend.
40.02	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.
61.00	Top of ridge bears N.and S.
	Descend,along spur.
80.04	The cor.of secs.5-6-7 and 8.
	Land,mountainous.
	Soil;rocky,4th rate.
	No timber.
	Mountainous land on 80.04 chs.
	S.89°55'W.on a random line bet.secs.6 and 7.
40.00	Set temp.¼ sec.cor.
79.50	Intersect W.bdy.of the Tp.,9 lks.S.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.
	Descend over broken and rocky land.
11.00	Bottom of hollow,100 ft.deep,course N.W.
	Ascend .
17.00	Top of ridge bears NW.and SE.
	Descend.

SUBDIVISIONS OF T.10 S.,R.23 E.

CHAINS	
39.50	Set a sandstone,16x10x5 ins.,11 ins.in the ground, for $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on N.face;and raise a mound of stone,2 ft.base,$1\frac{1}{2}$ ft.high,N.of cor.
	Pits impracticable.
41.00	Bottom of hollow,50 ft.deep,course NE.
	Ascend.
46.00	Top of spur projects NW.
	Descend.
50.00	Bottom of hollow,100 ft.deep,course NW.
	Ascend.
61.00	Top of spur projects from W.to NW.
	Ascend along top of spur.
79.50	The cor.of secs.5-6-7 and 8.
	Land,mountainous.
	Soil;rocky,4th rate .
	No timber.
	Mountainous land on 79.50 chs.

	N.0°03'W.,on a random line bet.secs.5 and 6.
40.00	Set temp.$\frac{1}{4}$ sec.cor.
80.29	Intersect N.bdy.of the Tp.,3 lks.E.of the cor.of secs . 5-6-31 and 32,heretofore described.
	Thence I run
	S.0°04'E.on a true line
	bet.secs.5 and 6.
	Descend over rocky land.
6.00	Bottom of hollow,100 ft.deep,course NW.
	Ascend abruptly.
13.00	Top of spur projects NW.
	Descend.
16.00	Bottom of hollow,45 ft.deep,course NW. Ascend.
25.00	Top of spur projects NW.
	Descend.
31.00	Bottom of hollow,50 ft.deep,course NW.

SUBDIVISIONS OF T.10 S.,R.23 E.

CHAINS	
	Ascend.
40.29	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.
42.00	Top of spur projects NW.
	Descend.
57.00	Bottom of hollow,75 ft.deep,course NW.
	Ascend.
80.29	The cor.of secs.5-6-7 and 8.
	Land,mountainous.
	Soil;rocky third rate.
	No timber.
	Mountainous land on 80.29 chs.
	July 27,1904.

GENERAL DESCRIPTION.

This township is all mountainous,and is situated on the breaks along White River,which flows through the center of the township from east to west.

Deep hollows and ravines cut through sandstone formation, and drain into White River from both sides,making the country rugged and unfit for agricultural or grazing purposes.

Scattering cedar timber is found in the southern portion while scattering cottonwood timber is found occasionally along bottoms of White River.

Gilsonite veins,namely the "Pride of West","Harrison" and "South Harrison" lodes,are found in this township,running through secs.19-28-29-30-31-32-33-34 and.35.

There is no other mineral found in this township.

A rock cabin belonging to St.Louis Gilsonite Co., is situated in sec.33.

SUBDIVISIONS OF T.10 S., R.23 E.

CHAINS

GENERAL DESCRIPTION(cont.)

A dirt and log cabin, in sec.12,

A corral in sec.12,

2 dirt and log cabins in sec.13,

All belonging to McCook, an Indian.

The McCook cabins and corral have the appearance of being abandoned.

The following are returned as mineral lands:-SW¼ of SW¼ sec.35;SE¼sec.34;N½ of SW¼ sec.34;SW¼ of NW¼ sec.34;all of sec.33;SW¼ of SW¼ sec.28;NE¼and NE¼;of NW¼ sec.32;S½ and SW¼ of NW¼ sec.29;E½ and NE¼ of NW¼ sec.30;SE¼ of SW¼ and lot 4 sec.19;and the SE¼ of sec. 31.

Harvey L. Grant,
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 affidavit 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 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

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FORM A-324

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

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

.....

United States Deputy Su.

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

SEAL

.....

.....

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City,Utah , May 2 7, 19

The foregoing field notes of the survey of the Subdivisional lines of Townshi No.10 S.R.23 E.of the Salt Lake Base and Meridian,Utah

.....

.....

.....

.....

.....

executed by Alfredo R.Talamantes and Harvey D.Heist,U.S.Deputy Surve under their contract No. 285, dated April 12,1904, xxx, 189, having critically examined, and the necessary corrections and explanations made, the said field notes, an surveys they describe, are hereby approved.

Edward H. Anderson

United States Surveyor G.

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

.....

United States Surveyor Ge

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BOOK A-324

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5

Corrected

FIELD NOTES

OF THE SURVEY OF THE

Subdivisions

T. 10 S., R. 23 E.

Of the Salt Lake Base and Meridian,

Utah

AS SURVEYED BY

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

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

Survey commenced August 27, 1905

Survey completed August 28, 1905

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BOOK A-324

NAMES AND DUTIES OF ASSISTANTS.

Earl V. Woolley	Chainman
Harry D. Hust	Chainman

BOOK A-324

INDEX DIAGRAM.

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

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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 chain upon even and uneven ground, and plumb the tally pins, either by sticking or dropping the s. 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 Subdivisions of T. 10 S., R. 23 E. Salt Lake Base. Utah

Earl V. Woolley, C.
Harvey D. Hist, C.

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

SEAL

Alfredo R. Talamantes
U. S. Deputy Surveyor

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

..... Me
..... Me

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

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

SEAL

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

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

SEAL

(I)

CORRECTED NOTES OF

SUBDIVISIONS OF T.10 S., R.23 E.

CHAINS

Survey commenced, August 27, 1905, and executed with the instrument described in book "I", of this survey.

I know the instrument to be in adjustment from recent observations made August 20 and 21 and recorded in book "I" of this survey.

At the Stan.cor.of secs.34 and 35, T.10 S., R.23 E. described in original field notes, at 8 h.2 m.a.m.l.m.t. I set off 39°54' N. on the lat.arc, 10°11' N. on the decl. arc, and determine a true meridian with the solar, thence I run

N.0°01'W. bet. secs.34 and 35.

40.00 Fall 24 lks. E. of ¼ sec. cor.

Move the cor. 24 lks. E. and set same sandstone 24x12x5 ins., 18 ins. in the ground, for ¼ sec.cor.marked ½ on W. face, and raised a mound of stone 2 ft.base 1½ ft. high, W of cor.

Pits impracticable.

80.00 Fall 54 lks.E.of cor.of secs.26, 27, 34 and 35.

I move the cor. 54 lks. E.

Set a sandstone 23x9x5 ins., 18 ins.in the ground, for cor. of secs.26, 27.34 & 35, mkd. with 2 notches on E. and I notch on the S.edges:from which

A cedar tree 6 ins.diam., bears N.47°E.71 lks.dist. marked T.10 S., R.23 E S.26 B.T.

A cedar tree 8ins. diam., bears S.28°E.88lks.dist. marked T.10 S., R.23 E.S.35 B.T.

A cedar tree 9 ins. diam., bears S.64°W.80 lks.dist. marked T.10 S. R.23 E.S.34 B.T.

A cedar tree 8 ins.diam., bears N.48°W.125 lks.dist. marked T.10S., R.23 E.S.27 B.T.

Note:No change in topography in this line

Note: I distroyed all traces of old cors.

CORRECTED NOTES OF

SUBDIVISIONS OF T.10 S., R.23 E.

CHAINS

AT the cor.of secs.22,23,26and 27,described in original field notes ,at 10,02 a.m.l.m.t.,I set off 39°56'N.on the lat.arc,10°02'N.on the decl.arc,and determine a meridian with the solar,thence I run

S.89°57'W. on a true line bet.secs.22 and 27

40.04 The ¼ sec.cor. bears S.89°57W.25 lks.dist.,

I move this cor.to my new point and

Set same sandstone 20x15x4 ins.15 ins.in the ground,for ¼sec.cor.,marked ¼ on N.face:and raise a mound of stone 2 ft.base 1½ ft.high N.of cor.

Pits impracticable. Note:I distroye alltraces of old cor.

Note:No change in topography on this line.

August 27,1905

August 28,1905 at the Stsn. cor.of secs.35 and 36 heretofore described at 8 h 1 m a.m.l.m.t. I set off 39°54'N. on the lat.arc,9°50'N.on the decl.arc,and determine a meridian with the solar,thence I run

N.0°01'W.bet.secs.35 and 36.

40.00 Fall 49 lks. E. of ¼ sec.cor.

I move ¼ cor. 49 lks.E.,and

Set a sandstone 20x7x7 ins.19 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.Note:I distroyed all traces of old cor.

80.00 Fall 53 lks.E.of cor.of secs.25,26,35 and 36 as marked on ledge I distroyed said marks and at a point 53 lks.E.

I marked a cross (x) at exact cor.point,for cor.of secs. 25,26,35 and 36 marked I groove S.and E.,of cross:and raise a mound of stone 2 ft.base 1½ ft.high W.of cross.

Pits impracticable.

Note:No change in topography on this line.

(3)

CORRECTED NOTES OF

SUBDIVISION OF TIO'S R'S

CHAINS	
	S.89°57'E.on a random line bet.secs.25 and 36
39.95	Intersect ¼ sec.cor.
	Note:I distroyed all traces of old cor.and at
40.00	Set a temp. ¼ sec.cor.
80.3I	Intersect the E.bdy.at the cor. of secs.25,30,3I and 36
	Thence I run
	N.89°57'W.on a true line bet. secs. 25 and 36
40.I5	Set a sandstone 26xI0x5 ins. I9 ins. in the ground,for
	¼ sec. cor.,marked ¼ on N.face:and raise a mound of
	stone 2 ft.base 1½ ft.high N.of cor.
	Pits impracticable.
80.3I	The cor.of secs.25,26,35 and 36.
	Note:No change in topography on this line.

	S.89°58'W.on a random line bet. secs.26 and 35
39.5I	Intersect ¼ sec.cor.
	Note: I distroyed all rtaces of old cor.and at
40.00	Set a temp.¼ sec.cor.
80.I0	Intersect the cor. of secs.26,27,34 and 35.
	Thence I run
	N.89°58'E.on a true line bet. secs. 26 and 35
40.05	Set a sandstone I8xI3x4 ins.I2 ins.in the ground,for
	¼ sec. cor.,marked ¼ on N.face:and raise a mound of
	stone 2ft. base 1½ ft.high N. of cor.
	Pits impracticable.
80.I0	The cor. of secs. 25,26,35 and 36.
	Note: No change in topographgy on this line.
	----------Augus 28,I905
	N.0°0I'W.bet. secs.25 and 26
40.00	Fall 26 lks.E.of ¼ sec.cor
	I move cor. 26 lks.E.,and
	Set same sandstone I8xI5x4 ins.I2 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.

CORRECTED NOTES OF
SUBDIVISIONS OF T.10 S., R.23 E.

CHAINS	
	Note: I distroyed all traces of old cor,
80.00	Intersect cor. of secs. 23, 24, 25 and 26.
	Note: No change in topographyon this line.

Alfredo R. Talamantes
U. S. Deputy Surveyor

There being no notary public or other officer autorized to administer oath, with a reasonable distance at the beginning and ending of this survey, in order to save time and expense, I administer the oaths for corrections on contract No. 285, myself.

Alfredo R. Talamantes
U. S. Deputy Surveyor

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by 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 correct survey of Subdivisions of T. 10 S., R. 23 E., Salt Lake Base and Meridian Utah, showing the respective capacities in which they acted:

Earl V. Woolley, Chainman.
Harvey D. Hurst, 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 Subdivision of T. 10 S., R. 23 E. of the Salt Lake Base and meridian, State of Utah, which are represented in the foregoing field notes as having been surveyed by him and under his direction; and that said correct 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. Hurst, 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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BOOK A-324

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 12 day of April, 1904, I have well, faithfully, and truly, in my c proper person, and in strict conformity with the instructions furnished by the United States Surve General for Utah, the Manual of Surveying Instructions, and the laws of United States, surveyed all those parts or portions of Subdivision of T.10 S., R.23 E.

of the Salt Lake Base and meridian, in the State of Utah, which are represented in foregoing field notes as having been surveyed by me, and under my direction; and I do further solem swear that all the corners of said corrective survey have been established and perpetuated in strict accordance w the Manual of Surveying Instructions, and the special written instructions of the United States Surve General for Utah and in the specific manner described in the field notes, and t the foregoing are the original field notes of such corrective survey.

Alfredo R. Talamantes
United States Deputy Survey

Subscribed by said Alfredo R. Talamantes and sworn to before me this 18th day of October, 1905

Thomas Hull
U. S. Surveyor General for Utah

SEAL

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, October 19, 190

The foregoing field notes of the corrective survey of the Subdivisions of Township 10 South Range 23 East of the Salt Lake Base & Meridian, Utah

executed by Alfredo R. Talamantes and Harvey D. Hurst under their contract No. 285, dated April 12, 1904, having be critically examined, and the necessary corrections and explanations made, the said field notes, and corrective surveys they describe, are hereby approved.

Thomas Hull
United States Surveyor Gene

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

United States Surveyor Gene

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BOOK A-324

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AUG 31 1904

N.

FIELD NOTES

OF THE SURVEY OF THE

EAST AND NORTH BOUNDARIES

OF

TOWNSHIP No. 9 SOUTH.

RANGE No. 23 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 ~~his~~ their *Contract No.* 285, *dated* APRIL 12, 1904., *189*

Survey commenced JULY 11, 1904., *189*

Survey completed JULY 13, 1904., *189*

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NAMES AND DUTIES OF ASSISTANTS.

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

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BOOK A-324

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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 th chain over even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; tha we will report the true distances to all notable objects, and the true lengths of all lines that we assist i measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey EAST & NORTH BDYS. OF T. 9 S., R. 23 E. of the Salt Lake Base and Meridi Utah.

Julius H. White, Chainman
Egbert White, Chainman

Subscribed and sworn to before me this 11th day of July, 1904, 189

SEAL

E. T. Carlen
Notary Public

~~WE~~, I, HOWARD M. HODGE and
do solemnly swear that ~~we~~ I will well and truly perform the duties of moundman in the establishmen of corners, according to the instructions given ~~us~~ me, to the best of ~~our~~ my skill and ability, in the survey o EAST AND NORTH BDYS. OF T. 9 S., R. 23 E. of the Salt Lake Base and Merid ian, Utah.

Howard M. Hodge, Moundman
, Moundman

Subscribed and sworn to before me this 11th day of July, 1904, 189

SEAL

E. T. Carlen
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 c

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 EAST AND NORTH BDYS. OF T. 9 S., R. 23 E. of the Salt Lake Base and Meridian, Utah.

William L. White, Flagman.

Subscribed and sworn to before me this 11th day of July, 1904, 189

SEAL

E. T. Carlen
Notary Public

6—151

East Bdy. of T.9 S., R.23 E.

CHAINS

Survey commenced July 11, 1904, and executed with a W. & L.E. Gurley light mountain transit No. , with solar attachment. The horizontal limb is provided with two double verniers placed opposite to eachother and reading to single minutes of arc, which is also the least count of the verniers of the latitude and declination arcs.

The instrument was examined, tested on the true meridian at Salt Lake City, found correct, and was approved by the surveyor general for Utah, June 3, 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 Tps. 9 and 10 S., Rs. 23 and 24 E., hereto fore described; latitude 39°59'06"N., longitude 109° 18'15.2"W.; I set off 39°59'N. on the lat. arc; 22° 06'N. on the decl. arc; and, at 4h05m 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.

July 11, 1904.

July 12: At 12h 06m 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.

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 0.4 ins. east of the mark determined by the solar.

EAST BDY. OF T. 9 S., R. 23 E.

CHAINS	
	At 7h 05m a.m., l.m.t., I set off 39°59'N. on the lat. arc; 22°01'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 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 7h 30m a.m., is N. 16°10'W.; the angle thus determined gives the mag. decl. 16°10'E.
	From the Tp. cor. already described, I run
	North on the E. bdy. of the tp., bet. secs. 36 and 31.
	Descend over broken land.
17.00	Bottom of hollow, 35 ft. deep, course SW.
	Ascend.
23.00	Top of spur projects W.
	Descend.
30.00	Bottom of hollow, 100 ft. deep, course NW.
	Ascend.
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.
42.00	Top of spur projects W.
	Descend.
52.00	Head of hollow, course W.
	Ascend.
67.00	Top of spur projects NE.
	Descend.
73.00	Head of hollow, course NE.

EAST BDY. OF T. 9 S., R. 23 E.

CHAINS	
	Ascend.
78.00	Top of ridge bears NE. and SW.
	Descend.
80.00	Set a sandstone, 20x5x6 ins., 15 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 over rocky land.
2.00	Head of hollow, course NW.
	Ascend.
6.00	Top of spur projects NW.
	Descend.
14.00	Bottom of hollow, 150 ft. deep, course NW.
	Ascend.
27.00	Top of ridge bears NW. and SE.
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.
41.96	Intersect Uintah Lode, a gilsonite vein, 12 ins. wide, bearing NW. and SE.
58.00	Bottom of gulch, 200 ft. deep, course NW.
	Ascend.
70.00	Point of spur projects NW.
	Descend.
77.00	Head of hollow, course W.
	Ascend.

EAST BDY.OF T.9 S.,R.23 E.

CHAINS	
80.00	Set a sandstone,20x7x5 ins.,15 ins.in the ground,for cor.of secs.19-24-25 and 30,marked with 2 notches on the S.and 4 notches on the N.edge;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.19 and 24.
	Ascend abruptly over rocky broken land.
2.00	Top of spur projects W.
	Descend.
29.00	Bottom of hollow,120 ft.deep,course NW.
	Ascend.
40.00	Top of ridge bears NW.and SE.
	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.
74.00	Bottom of hollow,100 ft.deep,course N.0°05'W.
	Ascend.
80.00	Set a sandstone,16x6x6 ins.,11 ins.in the ground,for cor.of secs.13-18-19 and 24,marked with 3 notches on the S.and N.edges;and raise a mound of stone,2 ft.base 1½ ft.high,W.of cor.
	Pits impracticable.
	Land,mountainous.
	Soil;rocky,4th rate.
	No timber.
	Mountainous land on 80.00 chs.
	July 12:At this cor.,I set off 21°58'N.on the decl. arc;and at 12h 05m p.m.,l.m.t.,observe the sun on

EAST BDY. OF T. 9 S., R. 23 E.

CHAINS	
	the meridian; the resulting lat. is 40°02'N.

	North bet. secs. 13 and 18.
	Ascend over broken and rocky land.
5.00	Top of spur projects W.
	Descend.
23.00	Bottom of hollow, 130 ft. deep, course NW.
	Ascend.
38.00	Top of spur projects NW.
	Descend.
40.00	Set a limestone, 16x6x6 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	Bottom of hollow, 50 ft. deep, course W.
	Ascend.
53.00	Top of spur projects NW.
	Descend.
63.00	Bottom of hollow, 50 ft. deep, course NW.
	Ascend.
80.00	Set a sandstone, 16x9x4 ins., 11 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.

	North, bet. secs. 7 and 12.
	Ascend over rocky land.
7.00	Top of spur projects NW.
	Descend.

East BDY. OF T. 9 S., R. 23 E.

CHAINS	
38.00	Bottom of hollow, 35 ft. deep, course NW.
	Begin gradual ascent.
40.00	Set a sandstone, 16x8x5 ins., 11 ins. in the ground, for ¼ sec. cor., marked ¼ on W. face; and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
	Pits impracticable.
60.00	Top of low ridge bears NW. and SE.
	Descend.
80.00	Set a sandstone, 14x10x5 ins., 9 ins. in the ground, for cor. of secs. 1-6-7 and 12; marked with 5 notches on the S. and 1 notch on the N. edge; and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
	Pits impracticable.
	Land, mountainous.
	Soil, rocky, 4th rate.
	No timber.
	Mountainous land on 80.00 chs.

	North, bet. secs. 1 and 6.
	Descend gradually over rocky land.
10.00	Bottom of hollow, 35 ft. deep, course NE.
	Ascend.
40.00	Set a sandstone, 16x9x5 ins., 11 ins. in the ground, for ¼ sec. cor., marked ¼ on W. face; and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
	Pits impracticable.
50.00	Top of low ridge bears NW. and SE.
	Descend.
77.00	Bottom of hollow, 40 ft. deep, course NW.
	Ascend.
78.00	Set a sandstone, 18x8x6 ins., 12 ins. in the ground, for cor. of tps. 8 and 9 S., Rs. 23 and 24 E., marked

EAST BDY OF T 9 S R 23 E

Chains: 8.S on NE.,

24 E on SE.,

9 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 78.00 chs.

July 12,1904.

Volume
#
R0324

NORTH BOUNDARY OF T. 9 SOUTH R 23 EAST.

Chains.	
	July 13: At 7 h. 05m.a.m.l.m.t., I set off 40°04'N.on the lat.arc; 21°52'N.on the decl.arc; and determine a meridian with the solar at the cor.of Tps.8 and 9 S.,Rs. 23 and 24 E., heretofore described.
	Thence I run
	West on a random line, along the N.bdy.of the township, setting temp.$\frac{1}{4}$ sec.and sec.cors., at intervals of 40.00 chs.; and at 478.75 chs. intersect W.bdy.of the Tp.72 lks.S.of the cor.of Tps.8 and 9 S., Rs.22 and 23 E., heretofore described. The falling answers to a correction of 0°05' or 12 lks.N.per mile counting from the NE. cor.of the Tp.; therefore I run
	S.89°55'E.on a true line bet.secs.6 and 31
	Ascend gradually through dense shadscale and greasewood brush, over rolling land.
37.50	Dry wash 30 lks.wide, 10 ft.deep,course SW.
	Thence over level land.
38.75	Set a sandstone 15x10x4 ins.,10 ins.in the ground for $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on N.face; dig pits 18x18x12 ins. E. and W.of stone 3 ft.dist.; and raise a mound of earth $3\frac{1}{2}$ ft.base $1\frac{1}{2}$ ft.high N.of cor.
39.90	Dry wash 35 lks.wide, 9 ft.deep,course NW.
	Begin gradual ascent.
43.00	Dry wash 30 lks.wide, 8 ft.deep,course SW.
78.75	Set a sandstone 20x10x4 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 $1\frac{1}{2}$ ft.high W.of cor.
	Pits impracticable.
	Land mountainous.
	Soil rocky and sandy; 4th rate.
	No timber.

North Bdy. of T. 9 S., R. 23 E.

CHAINS	
	Mountainous land or dense undergrowth on 78.75 chs.

	S. 89°55'E., bet. secs. 5 and 32.
	Ascend through dense shadscale and greasewood brush.
20.00	Begin more abrupt and precipitous ascent.
25.00	Top of ridge bears NE. and SW., 300 ft. above sec. cor.
	Descend.
35.00	Bottom of ravine, 250 ft. below top of ridge, course S.
	Ascend.
40.00	Set a sandstone, 18x6x6 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.
60.00	Top of spur projects S., 250 ft. above ravine.
	Descend.
75.00	Bottom of gulch, 150 ft. deep, course S.
	Ascend.
80.00	Set a sandstone, 18x9x7 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; sandy and rocky, 4th rate.
	Mountainous land or dense undergrowth on 80.00 chs.

	S. 89°55'E., bet. secs. 4 and 33.
	Ascend over rough broken land through shadscale and greasewood brush.
13.60	Top of ridge bears N. and S.
	Descend over rolling land.
40.00	Set a sandstone, 18x9x5 ins., 12 ins. in the ground, for ¼ sec. cor., marked ¼ on N. face; dig pits, 18x18x12 ins.,

North Bdy. of T. 9 S., R. 23 E.

CHAINS	
	E. and W. of stone, 3 ft. dist.; and raise a mound of earth, 3½ ft. base, 1½ ft. high, N. of cor.
55.00	Bottom of gulch, 200 ft. below top of ridge course S.
	Over level land.
75.00	Dry wash, 35 lks. wide, 6 ft. deep, course SW.,
	Over level land.
79.00	Begin gradual ascent, over rough and broken land.
80.00	Set a sandstone, 18x10x4 ins., 12 ins. in the ground, for cor. of secs. 3-4-33 and 34, marked with 3 notches on the E. and W. edges; and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
	Pits impracticable.
	Land, mountainous, and rolling.
	Soil; sandy and rocky, 4th rate.
	No timber.
	Mountainous land or dense undergrowth on 80.00 chs.
	July 13: At this cor., I set off 21°54'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°04'N.

	S. 89°55'E., bet. secs. 3 and 34.
	Ascend over rough and broken land through dense shadscale and grease wood brush.
40.00	Set a sandstone, 14x9x8 ins., 9 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., 1½ ft. high, N. of cor.
52.60	Top of ridge bears N. and S.
	Descend.
80.00	Set a sandstone, 14x9x8 ins., 9 ins. in the ground, for cor. of secs. 2-3-34 and 35, marked with 4 notches on the W. and 2 notches on the E. edge; and raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.

North Bdy. of T. 9 S., R. 23 E.

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

	S. 89°55' E., bet. secs. 2 and 35.
	Descend over rolling land through dense shadscale, and greasewood brush and dense artemisia.
40.00	Set a sandstone, 14x8x6 ins., 9 ins. in the ground, for ¼ sec. cor., marked ¼ on N. face; and 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.
80.00	Set a sandstone, 16x10x4 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; dig pits, 18x18x12 ins., in each sec., 5½ ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, W. of cor.
	Land, rolling.
	Soil; sandy, 4th rate.
	No timber
	Dense undergrowth on 80.00 chs.

	S. 89°55' E., bet. secs. 1 and 36.
	Descend over rolling land through dense shadscale and greasewood brush and dense artemisia.
27.00	Dry wash, 30 lks. wide, 10 ft. deep, course SW.
	Begin gradual ascent.
40.00	Set a sandstone, 14x9x8 ins., 9 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.
63.00	Top of low spur projects N.
	Descend.
75.00	Bottom of hollow, 50 ft. deep, course NW.

North bdy. of T.9 S., R.23 E.

CHAINS	
	Ascend.
80.00	The cor. of Tps.8 and 9 S., Rs.23 and 24 E.
	Land mountainous and rolling.
	Soil; sandy and rocky, 4th rate.
	No timber.
	Mountainous land or dense undergrowth on 80.00 chs.

July, 13, 1904.

For general description, see Subdivisions of T. 9 S., R.23 E.

Boundaries of T.9 S., R.23 E.

Latitudes, departures and closing errors.

Line designated.	True bearing.	Dist.	Latitudes. N.	Latitudes. S.	Departures. E.	Departures. W.
		chs.	chs.	chs.	chs.	chs.
N. Bdy., T.9 S., R.23 E.	N.89°55'W.	478.75	0.72			478.75
E. Bdy., T.9 S., R.22 E.	South	478.00		478.00		
N. Bdy., T.10 S., R.23E.	S.89°59'E.	479.40		0.15	479.40	
E. Bdy., T.9 S., R.23 E.	North	478.00	478.00			
Convergency						0.61
	Totals.....		478.72	478.15	479.40	479.36
			478.15		479.36	
	Error in lat....		0.57	In dep...	0.04	

Alfredo R Talamantes

U.S. Deputy Surveyor.

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by 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 EAST AND NORTH BDYS. OF T. 9 S., R. 23 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 EAST AND NORTH BDYS. OF T. 9 S., R. 23 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 13th day of JULY, 1904, 189

SEAL

E. T. Parker
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, 189 , I have well, faithfully, and truly, in my proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for UTAH, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of EAST AND NORTH BDYS. OF T. 9 S., R. 23 E. of the SALT LAKE BASE AND meridian, in the STATE of UTAH, which are represented in the foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for 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

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

SEAL

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, May 27, 1904

The foregoing field notes of the survey of the East and North Boundaries of Township No. 9 South, Range No. 23 East 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, 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 , has been correctly copied from the original notes on file in this office.

United States Surveyor General.

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BOOK A-324

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FIELD NOTES

OF THE SURVEY OF THE

SUBDIVISIONS

OF

TOWNSHIP No.9 SOUTH

RANGE No.23 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 JULY 14,1904., *189*

Survey completed JULY 24,1904., *189*

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BOOK A-324

NAMES AND DUTIES OF ASSISTANTS.

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

Volume
#
R0324

BOOK A-324

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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 SUBDIVISIONS OF T.9 S., R.23 E. of the Salt Lake Base and Meridian, Utah.

Julius H. White, Chainman
Egbert White, Chainman

Subscribed and sworn to before me this 14th day of July, 1904., 189

SEAL

E. T. Carlen
Notary Public

We, HOWARD M. HODGE and

do solemnly swear that ~~we~~ I will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given ~~us~~ me, to the best of ~~our~~ my skill and ability, in the survey of SUBDIVISIONS OF T.9 S., R.23 E. of the Salt Lake Base and Meridian, Utah.

Howard M. Hodge, Moundman
, Moundman

Subscribed and sworn to before me this 14 day of JULY, 1904., 189

SEAL

E. T. Carlen
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 SUBDIVISIONS OF T.9 S., R.23 E. of the Salt Lake Base and Meridian, Utah.

William L. White, Flagman

Subscribed and sworn to before me this 14th day of JULY, 1904., 189

SEAL

E. T. Carlen
Notary Public

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SUBDIVISIONS OF T. 9 S., R. 23 E.

CHAINS	
	SURVEY commenced July 14, 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 July 11, 1904, and recorded in book "N" of this survey.
	July 14: At 7h 05m a.m., l.m.t., I set off 39°59'N. on the lat. arc; 21°43'N. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 1-2-35 and 36, heretofore described on the S. bdy. of this township.
	Thence I run
	N. 0°01' W., bet. secs. 35 and 36.
	Ascend over rough and broken country through dense shadscale and greasewood brush.
14.00	Top of spur projects W.
	Descend.
20.00	Bottom of ravine, 150 ft. deep, course W.
	Ascend.
26.50	Top of spur projects NW., 300 ft. above bottom of ravine.
	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.
46.00	Bottom of gulch, 400 ft. deep, course NW.
	Ascend.
78.00	Top of ridge, 500 ft. above bottom of gulch, bears E. and W.
	Descend.
80.00	Set a sandstone, 20x10x8 ins., 15 ins. in the ground, for cor. of secs. 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.

SUBDIVISIONS OF T.9 S.,R.23 E.

CHAINS	
	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. 25 and 36.
40.00	Set temp. ¼ sec. cor.
79.80	Intersect E. bdy. of Tp., 5 lks. S. of the cor. of secs. 25-30-31 and 36, heretofore described.
	Thence I run
	S.89°59'W. on a true line
	bet. secs. 25 and 36.
	Descend over rough broken country through dense artemisia.
39.90	Set a sandstone, 16x12x6 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	Bottom of swale, 500 ft. below ¼ sec. cor., course NW.
	Ascend.
63.00	Top of ridge spur projects N.
	Descend.
67.00	Bottom of ravine, 100 ft. deep, course N.
	Ascend.
79.80	The cor. of secs. 25-26-35 and 36.
	Land, mountainous.
	Soil; rocky, 4th rate.
	No timber.
	Mountainous land and dense undergrowth on 79.80 chs.

	N.0°01'W., bet. secs. 25 and 26.
	Descend over rocky land through dense artemisia.
5.00	Bottom of descent bears E. and W.
	Ascend.
8.00	Top of knoll, 150 ft. high.

SUBDIVISIONS OF T.9 S.,R.23 E.

CHAINS	
	Descend.
28.00	Bottom of ravine,150 ft.below top of knoll,course E.
	Ascend.
35.00	Top of spur projects E.
	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.
45.00	Bottom of gulch,200 ft.below top of spur ,course NW.
	Ascend.
66.00	Top of ridge bears E.and W.
	Descend.
80.00	Set a sandstone,24x7x5 ins.,18 ins.in the ground,for cor.of secs.23-24-25 and 26,marked with 1 notch on the E.and 2 notches on the S.edge;and raise a mound of stone,2 ft.base,1½ ft.high,W.of cor.
	Pits impracticable.
	Land,mountainous.
	Soil;rocky,4th rate.
	No timber.
	Mountainous land and dense undergrowth on 80.00 chs.
	July 14:At this cor.,I set off 21°41'N.on the decl. arc;and at 12h06m p.m.,l.m.t.,observe the sun on the meridian;the resulting lat.is 40°01'N.

	N.89°59'E.on a random line bet.secs.24 and 25.
40.00	Set temp.¼ sec.cor.
79.82	Intersect E.bdy.of the Tp.,5 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.
	Descend over rocky land through dense artemisia.

SUBDIVISIONS OF T.9 S.,R.23 E.

CHAINS	
28.00	Bottom of gulch,600 ft.below sec.cor.,course N.
	Ascend.
39.91	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.
44.50	Top of ridge bears NE.and S.
	Descend.
79.60	Bottom of ravine,200 ft.below top of ridge,course NW.
79.82	The cor.of secs.23-24-25 and 26.
	Land,mountainous.
	Soil;rocky,4th rate.
	No timber.
	Mountainous land and dense undergrowth on 79.82 chs.

	N.0°01'W.,bet.secs.23 and 24.
	Descend over rough and broken country through dense artemisia.
0.75	Bottom of gulch,150 ft.deep,course NW.
	Ascend.
10.00	Top of ridge spur projects W.
	Descend.
40.00	Set a sandstone,16x7x6 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.
57.00	Bottom of gulch,100 ft.deep,course N.15°E.
	Ascend.
79.30	Top of low spur projects E.
	Descend.
80.00	Set a sandstone,20x7x6 ins.,15 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.

SUBDIVISIONS OF T.9 S.,R.25 E.

CHAINS	
	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.13 and 24.
40.00	Set temp. $\frac{1}{4}$ sec.cor.
79.90	Intersect N.and S.line, 12 lks.S.of the cor.of secs. 13-18-19 and 24, heretofore described.
	Thence I run
	S.89°56'W., on a true line
	bet.secs.13 and 24.
	Descend over rough and broken country through dense artemisia.
1.00	Bottom of hollow, 120 ft.deep, course N.W. Ascend.
34.00	Top of spur projects NE.
	Descend.
39.95	Set a sandstone, 20x10x4 ins., 15 ins.in the ground, for $\frac{1}{4}$ sec.cor., marked $\frac{1}{4}$ on N.face; and raise a mound of stone, 2 ft.base, $1\frac{1}{2}$ ft.high, N.of cor.
	Pits impracticable.
59.00	Bottom of swale, 200 ft.deep, course N.
	Ascend.
63.00	Top of ridge bears N.and S.
	Descend, over sandstone cliffs and boulders.
79.20	Bottom of gulch, 500 ft.deep, course N.to NW. Ascend.
79.90	The cor.of secs.13-14-23 and 24.
	Land, mountainous.
	Soil, rocky, 4th rate.
	No timber.
	Mountainous land and dense undergrowth on 79.90 chs.
	July 14, 1904.

SUBDIVISIONS OF T.9 S.,R.23 E.

CHAINS	
	July 15:At 7h 06m a.m.,l.m.t.,I set off 40°02'N.on the lat.arc;21°34'N.on the decl.arc;and determine a meridian with the solar at the cor.of secs.13-14-23 and 24.
	Thence I run
	N.0°01'W.,bet.secs.13 and 14.
	Descend over rocky land through dense artemisia.
1.00	Bottom of gulch 500 ft.deep,course NW.
	Ascend over sandstone cliffs and boulders.
15.00	Top of spur projects W.
	Descend.
40.00	Set a sandstone,20x6x5 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.
49.00	Bottom of gulch,100 ft.deep,course W.
	Ascend.
52.00	Top of ridge spur projects W.
	Descend.
60.00	Bottom of hollow,50 ft.deep,course W.
	Ascend.
80.00	Set a sandstone,14x12x8 ins.,9 ins.in the ground,for cor.of secs.11-12-13 and 14,marked with 4 notches on the S.and 1 notch on the E.edge;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 and dense undergrowth on 80.00 chs.
	N.89°56'E.on a random line bet.secs.12 and 13.
40.00	Set temp.$\frac{1}{4}$ sec.cor.
79.90	Intersect E.bdy.of the Tp.,15 lks.S.of the cor.of

SUBDIVISIONS OF T.9 S.,R.23 E.

CHAINS	
	secs,7-12-13 and 18,heretofore described.
	Thence I run
	S.89°50'W.on a true line
	bet.secs.12 and 13.
	Descend over rough land through dense artemisia.
37.50	Bottom of dry wash,250 ft.below sec.cor.;20 lks.wide 6 ft.deep,course NW.
	Begin gradual ascent,over rolling sandy land.
39.95	Set a sandstone,20x10x5 ins.,15 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.
72.00	Top of ridge bears S.and NW.
	Descend.over rocky land.
79.90	The cor.of secs.11-12-13 and 14.
	Land mountainous and rolling.
	Soil sandy and rocky,4th rate.
	No timber.
	Mountainous land and dense undergrowth on 79.90 chs.

	N.0°01'W.,bet.secs.11 and 12.
	Ascend over broken land through dense artemisia.
2.00	Top of ridge bears E.and W.
	Begin gradual descent.
40.00	Set a sandstone,14x12x3 ins.,9 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.
43.00	Bottom of dry wash,30 lks.wide,6 ft.deep,course W.
	Begin gradual ascent.
65.00	Top of ridge bears E.and W.
	Descend.
80.00	Set a sandstone,18x6x5 ins.,12 ins.in the ground,for cor.of secs.1-2-11 and 12,marked with 5 notches on

SUBDIVISIONS OF T.9 S.,R.23 E.

CHAINS	
	the S.and 1 notch on the E.edge;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.
	Soil;rocky and sandy,4th rate.
	No timber.
	Mountainous land or dense undergrowth on 80.00 chs.

	N.89°50'E.on a random line bet.secs,1 and 12.
40.00	Set temp.¼ sec.cor.
79.86	Intersect E.bdy.of the Tp.,23 lks.S.of the cor.of secs.1-6-7 and 12,heretofore described.
	Thence I run
	S.89°40'W.on a true line bet.secs.1 and 12.
	Ascend over broken land through dense artemisia.
22.50	Top of ridge bears NE.and SW.
	Descend along N.slope of ridge.
39.93	Set a sandstone,18x8x5 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.
60.00	Head of hollow,course NW.
	Ascend.
79.86	The cor.of secs.1-6-11 and 12.
	Land,mountainous.
	Soil;rocky and sandy,4th rate.
	No timber.
	Mountainous land or dense undergrowth on 79.86 chs.
	July 15:At this cor.,I set off 21°31'N.on the decl. arc;and,at 12h 08m p.m.,l.m.t.,observe the sun on the meridian;the resulting lat,is 40°03'N.

SUBDIVISIONS OF T.9 S., R. 23 E.

Chains.	
	N.0°01'W.on a random line bet.secs.1 and 2
40.00	Set temp.$\frac{1}{4}$ sec.cor.
78.05	Intersect N.bdy.of the Tp., 21 lks.E.of the cor.of secs.1,2,35,and 36, heretofore described.
	Thence I run
	S.0°10' E. on a true line
	Bet.secs.1 and 2
	Descend gradually over rolling land; through dense artemisia.
32.00	Dry wash, 30 lks.wide, 8 ft.deep,course SW.
	Thence over level land.
38.05	Set a sandstone 16x10x4 ins.,11 ins.in the ground, for $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on W.face; dig pits 18x18 x12 ins., N.and S.of stone 3 ft.dist.; and raise a mound of earth $3\frac{1}{2}$ ft.base $1\frac{1}{2}$ ft.high W.of cor.
38.30	Dry wash 30 lks.wide, 7 ft. deep,course W.
60.50	Dry wash 15 lks.wide, 6 ft.deep, course NW.
	Begin gradual ascent.
78.05	The cor.of secs.1,2,11, and 12.
	Land rolling and level.
	Soil clay and sandy; 4th rate.
	No timber.
	Dense undergrowth on 78.05 chs.
	July 15,1904.

July 16: At 7 h. 06 m.a.m.l.m.t.I set off 39°59'N. on the lat.arc; 21° 25' N.on the decl.arc; and determine a meridian with the solar at the cor.of secs.2,3,34, and 35 on the S.bdy.of the Tp. heretofore described. Thence I run

N.0°01'W.bet.secs.34 and 35

Descend over rough and broken country through dense artemisia.

10.50 Top of ridge, 200 ft.above sec.cor.,bears E. and W.

SUBDIVISIONS OF T.9 S., R. 23 E.

Chains.	
	Descend.
40.00	Set a sandstone 18x8x5 ins.,12 ins.in the ground, for $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on W.face; and raise a mound of stone 2 ft.base $1\frac{1}{2}$ ft.high W.of cor.
	Pits impracticable.
48.00	Bottom of gulch, 400 ft.below top of ridge, course NE. Ascend over cliffs and sandstone ledges.
63.50	Top of ridge bears E.and W. Descend.
80.00	Set a sandstone 18x8x6 ins.,12 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; 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 and dense undergrowth on 80.00 chs.

S.89°59'E.on a random line bet.secs.26 and 35

40.00	Set temp.$\frac{1}{4}$ sec.cor.
80.06	Intersect N. and S.line, 3 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 over rocky land.
10.00	Top of spur projects NW.
	Descend.
37.00	Bottom of hollow 75 ft.deep,course N.
	Ascend.
40.03	Set a sandstone 14x8x6 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.

SUBDIVISIONS OF T.9 S.,R.23 E.

CHAINS	
52.00	Top of spur projects NW.
	Descend.
56.00	Bottom of hollow,100 ft.deep,course NW.
	Ascend.
70.00	Top of spur projects N. Descend.
73.00	Bottom of hollow,100 ft.deep,course N.
	Ascend.
80.06	The cor.of secs.26-27-34 and 35.
	Land,mountainous.
	Soil;rocky,4th rate.
	No timber.
	Mountainous land and dense undergrowth on 80.06 chs.

	N.0°01'W.,bet.secs.26 and 27.
	Descend over rough and broken land through dense artemisia.
40.00	Set a sandstone,15x10x5 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.
42.00	Bottom of ravine,1000 ft.below sec.cor.,course E. Begin abrupt ascent.
48.00	Top of ridge bears NW.and SE.
	Descend.
80.00	Set a sandstone,24x8x4 ins.,18 ins.in the ground,for cor.of secs.22-23-26 and 27,marked with 2 notches on the S.and E.edges;and raise a mound of stone,2 ft.base, 1½ ft.high,W.of cor.
	Pits impracticable.
	Land,mountainous.
	Soil;rocky 4th rate.
	No timber.
	Mountainous land and dense undergrowth on 80.00 chs.
	July 16:At this cor.,I set off 21°22'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.

SUBDIVISIONS OF T.9 S.,R.23 E.

CHAINS	
	S.89°58'E.on a random line bet.secs.23 and 26.
40.00	Set temp.$\frac{1}{4}$ sec.cor.
80.02	Intersect N.and S.line,11 lks.N.of the cor.of secs. 23-24-25 and 26.
	Thence I run
	N.89°54'W.on a true line
	bet.secs.23 and 26.
	Ascend over broken land through dense artemisia.
23.00	Top of spur projects NW.
	Descend.
28.00	Bottom of gulch,200 ft.deep,course NW.
	Descend.
40.01	Set a sandstone,16x7x7 ins.,11 ins.in the ground,for $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on N.face;and raise a mound of stone,2 ft.base,$1\frac{1}{2}$ ft.high,N.of cor.
	Pits impracticable.
52.00	Top of ridge bears N.and S.
	Descend.
63.00	Bottom of gulch,200 ft.deep,course N.
	Ascend.
76.00	Top of spur projects N.
	Descend.
80.02	The cor.of secs.22-23-26 and 27.
	Land mountainous.
	Soil;rocky,4th rate.
	No timber.
	Mountainous land and dense undergrowth on 80.02 chs.

	N.0°01'W.,bet.secs.22 and 23.
	Descend over rocky land through dense artemisia.
7.00	Bottom of hollow,200 ft.deep,course E.
	Ascend over cliffs and sandstone ledges.
14.00	Top of spur projects NE.
	Descend.
28.00	Bottom of ravine,150 ft.deep,course W.

SUBDIVISIONS OF T. 9 S., R. 23 E.

CHAINS	
	Ascend.
31,00	Top of ridge bears E. and W.
	Descend.
35.00	Bottom of ravine, 100 ft. deep, course E.
	Ascend.
40.00	Set a sandstone, 20x6x5 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.
43.00	Top of spur projects NE.
	Descend.
80.00	Set a sandstone, 16x6x6 ins., 11 ins. in the ground, for cor. of secs. 14-15-22 and 23, marked with 3 notches on the S. and 2 notches on the E. edge; 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 and dense undergrowth on 80.00 chs.

	S. 89°54' E. on a random line bet. secs. 14 and 23.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.08	Intersect N. and S. line, 5 lks. N. of the cor. of secs. 13-14-23 and 24.
	Thence I run
	N. 89°52' W. on a true line bet. secs. 14 and 23.
	Ascend over rocky land through dense artemisia.
12.00	Top of ridge bears NW. and SE.
27.00	Bottom of gulch, 200 ft. deep, course NW.
	Ascend.
40.04	Set a sandstone, 20x12x8 ins., 15 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; and raise a mound of

SUBDIVISIONS OF T.9 S., R.23 E.

CHAINS	
	stone, 2 ft. base, 1½ ft. high, N. of cor.
	Pits impracticable.
62.00	Top of ridge bears N. and S.
	Descend.
76.00	Bottom of gulch, 100 ft. deep, course N. to NW.
	Ascend.
80.08	The cor. of secs. 14-15-22 and 23.
	Land, mountainous.
	Soil; rocky, 4 th rate.
	No timber.
	Mountainous land and dense undergrowth on 80.08 chs.
	July 16, 1904.

	July 17: At 7h 06m a.m., l.m.t., I set off 40°02'N. on the lat. arc; 21°15'N. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 14-15-22 and 23.
	Thence I run
	N. 0°01'W., bet. secs. 14 and 15.
	Descend over rocky land through dense artemisia,
5.00	Bottom of gulch, 100 ft. deep, course NW.
	Ascend.
12.00	Top of spur projects W.
	Descend.
40.00	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 impractica ble.
40.25	Bottom of hollow, 400 ft. below top of spur, course W.
	Ascend.
67.00	Top of ridge bears E. and W.
	Descend.
77.00	Head of hollow, course W.
	Ascend over sandstone ledges and boulders.

SUBDIVISIONS OF T.9 S.,R.23 E.

CHAIN.	
80.00	Set a sandstone,18x8x8 ins.,12 ins.in the ground,for cor.of secs.10-11-14 and 15,marked with 4 notches on the S.and 2 notches on the E.edge;and raise a mound of stone,2 ft.base,1½ ft.high,W.of cor.
	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.11 and 14.
40.00	Set temp.¼ sec.cor.
80.06	Intersect N.and S.line,16 lks.S.of the cor.of secs. 11-12-13 and 14.
	Thence I run
	N.89°59'W.on a true line bet.secs.11 and 14.
	Ascend gradually over broken land through dense artemisia.
14.30	Top of spur projects SW.
	Descend.
40.03	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,1½ ft.high,N.of cor.
	Pits impracticable.
65.00	Bottom of ravine,300 ft.deep,course N.
	Ascend.
77.00	Top of spur projects N.
	Descend over sandstone ledges and boulders.
80.06	The cor.of secs.10-11-14 and 15.
	Land,mountainous.
	Soil;rocky,4th rate.
	No timber.
	Mountainous land and dense undergrowth on 80.06 chs.

SUBDIVISIONS OF T.9 S.,R.23 E.

CHAINS	
	N.0°01'W.,bet.secs.10 and 11.
	Ascend over cliffs and sandstone ledges,thro' dense artemis
1.50	Top of spur projects W.
	Descend.
22.00	Bottom of ravine,200 ft.deep,course W.
	Ascend.
33.00	Top of spur projects W.
	Begin gradual descent,over rolling land.
40.00	Set a sandstone,14x10x4 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.
64.00	Dry wash,30 lks.wide,6 ft.deep,course W.
	Begin gradual ascent.
80.00	Set a sandstone,18x8x6 ins.,12 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.
	Pits impracticable.
	Land mountainous and rolling.
	Soil sandy and rocky,4th rate.
	No timber.
	Mountainous or dense undergrowth on 80.00 chs.
	July 17:At this cor.,I set off 21°12'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°03'N.

	S.89°59'E.on a random line bet.secs.2 and 11.
40.00	Set temp.¼ sec.cor.
80.10	Intersect N.and S.line,3 lks.N.of the cor.of secs. 1-2-11 and 12.
	Thence I run
	N.89°58'W.on a true line bet.secs.2 and 11.

SUBDIVISIONS OF T.9 S.,R.23 E.

CHAINS	
	Ascend gradually over rolling land through dense artemisia.
12.00	Top of spur projects NE.
	Descend, gradually.
40.05	Set a sandstone, 14x12x6 ins., 9 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; dig pits, 18x18x12 ins., E. and W. of stone, 3 ft. dist.; and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
73.00	Dry wash, 30 lks. wide, 7 ft. deep, course SW.
	Begin gradual ascent.
80.10	The cor. of secs. 2-3-10 and 11.
	Land, rolling.
	Soil; sandy and rocky, 4th rate.
	No timber.
	Dense undergrowth on 80.10 chs.

	N. 0°01' W. on a random line bet. secs. 2 and 3.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
78.10	Intersect N. bdy. of the Tp., 26 lks. E. of the cor. of secs. 2-3-34 and 35, heretofore described.
	Thence I run
	S. 0°12' E. on a true line
	bet. secs. 2 and 3.
	Descend over rolling land through dense artemisia.
38.10	Set a sandstone, 18x6x6 ins., 12 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
	Pits impracticable.
39.50	Dry wash, 30 lks. wide, 10 ft. deep, course SW.
	Begin gradual ascent.
78.10	The cor. of secs. 2-3-10 and 11.
	Land rolling.
	Soil; rocky, sandy and clay, 4th rate.
	No timber.
	Dense undergrowth on 78.10 chs. July 17, 1904.

SUBDIVISIONS OF T.9 S.,R.23 E.

CHAINS	
	July 18:At 7h 06m a.m.,l.m.t.,I set off 39°59'N.on the lat.arc;21°04'N.on the 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'W.,bet.secs.33 and 34.
	Ascend over rough broken country through dense artemisia.
6.00	Top of spur projects E.,100 ft.above cor.
	Descend.
30.00	Bottom of ravine,100 ft.below top of spur;course E.
	Ascend.
33.00	Wagon road from Rangely to Ouray Agency bears NW. and SE.
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.
62.00	Top of spur projects NE.,400 ft.above bottom of ravine.
	Descend.
80.00	Set a sandstone,20x6x6 ins.,15 ins.in the ground,for cor.of secs.27-28-33-34,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°59'E.on a random line bet.secs.27 and 34.
40.00	Set temp.¼ sec.cor.
80.10	Intersect N.and S.line,7 lks.S.of the cor.of secs. 26-27-34-35.

SUBDIVISIONS OF T.9 S.,R.23 E.

CHAINS	
	Thence I run
	S.89°58'W.on a true line
	bet.secs.27 and 34.
	Ascend over rough and broken country through dense artemisia.
20.00	Top of spur projects N.
	Descend.
34.00	Bottom of ravine,300 ft.below,top of spur course NW.
	Ascend.
40.05	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.
43.00	Top of low ridge bears N.and S.
	Descend.
65.00	Bottom of ravine,150 ft.below top of ridge,course N.
	Ascend.
72.00	Top of ridge bears N.and SE.,100 ft.above bottom of ravine.
	Descend.
79.00	Bottom of gulch,200 ft.below top of ridge bears NW.
	Ascend.
80.10	The cor.of secs.27-28-33 and 34.
	Land,mountainous.
	Soil;rocky,4th rate.
	No timber.
	Mountainous land and dense undergrowth on 80.10 chs.

SUBDIVISIONS OF T.9 S.,R.23 E.

CHAINS	
	N.0°02'W.,bet.secs.27 and 28.
	Descend over rocky land through dense artemisia.
8.00	Bottom of gulch,100 ft.below sec.cor.,course NW.
	Begin abrupt ascent.
13.50	Top of small spur projects W. Descend.
20.00	Bottom of same gulch,200 ft.deep,course NE. Ascend.
37.00	Top of spur projects E.,200 ft.above bottom of gulch.
	Descend.
40.00	Set a sandstone,18x9x6 ins.,12 ins.in the ground,for $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on W.face;and raise a mound of stone,2 ft.base,$1\frac{1}{2}$ ft.high,W.of cor.
	Pits impracticable.
70.00	Bottom of same gulch,200 ft.deep,course NW.
	Ascend abruptly.
80.00	Set a sandstone,20x8x6 ins.,15 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,$1\frac{1}{2}$ ft.high,W.of cor.
	Pits impracticable.
	Land,mountainous.
	Soil,rocky,4th rate.
	No timber.
	Mountainous land and dense undergrowth on 80.00 chs.
	July 18:At this cor.,I set off 21°01'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.89°58'E.on a random line bet.secs.22 and 27.
40.00	Set temp.$\frac{1}{4}$ sec.cor.
80.12	Intersect N.and S.line,15 lks.N.of the cor.of secs. 22-23-26 and 27.
	Thence I run
	N.89°56'W.on a true line
	Bet.secs.22 and 27.

SUBDIVISIONS OF T.9 S.,R.23 E.

CHAINS	
	Descend over rocky land through dense artemisia.
10.00	Bottom of hollow,100 ft.deep,course NE.
	Ascend.
25.00	Top of ridge bears N.and S.
	Descend.
30.00	Bottom of ravine,150 ft.deep,course N.
	Ascend.
40.06	Set a sandstone,18x12x6 ins.,12 ins.in the ground,for $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on N.face;and raise a mound of stone,2 ft.base,$1\frac{1}{2}$ ft .high,N.of cor.
	Pits impracticable.
48.00	Top of spur projects N.,300 ft.above bottom of ravine.
	Descend.
80.12	The cor.of secs. 21-22-27 and 28.
	Land,mountainous.
	Soil;rocky,4th rate.
	No timber.
	Mountainous land and dense undergrowth on 80.12 chs.

	N.0°02'W.,bet.secs.21 and 22.
	Ascend abruptly over sandstone ledges and boulders.
3.00	Top of spur projects W.,100 ft.above sec.cor.
	Descend.
10.00	Bottom of ravine,300 ft.below top of spur,course W.
	Ascend.
18.50	Top of spur,250 ft.above bottom of ravine,projects W.
	Descend over rough broken land through dense artemisia.
40.00	Set a sandstone,16x8x5 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.
67.00	Bottom of ravine,500 ft.below top of spur,course NW.
	Ascend.
72.00	Top of ridge projects W.

SUBDIVISIONS OF T.9S.,R.23 E.

CHAINS	
	Descend.
80.00	Set a sandstone,20x10x4 ins.,15 ins.in the ground,for cor.of secs.15-16-21 and 22,marked 9 S on NE.,and 23 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 or dense undergrowth on 80.00 chs.

	S.89°56'E.on a random line bet.secs.15 and 22.
40.00	Set temp.¼ sec.cor.
80.04	Intersect N.and S.line,10 lks.S.of the cor.of secs. 14-15-22 and 23,
	Thence I run S.89°59'W.on a true line bet.secs.15 and 22.
	Ascend over rough and broken land through dense artemisia.
4.00	Top of ridge bears N.and S.,100 ft.above sec.cor.
	Descend.
35.00	Bottom of gulch,200 ft.below top of ridge ,course S.
	Ascend.
39.00	Top of spur projects S.
	Descend.
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.
59.20	Bottom of hollow,150 ft.deep,course NW.
	Ascend.

SUBDIVISIONS OF T.9 S.,R.23 W.

CHAINS	
75.00	Top of ridge bears N.and S.,250 ft.above bottom of hollow.
	Descend.
80.04	The cor.of secs.15-16-21 and 22.
	Land,mountainous.
	Soil:rocky,4th rate.
	No timber.
	Mountainous land and dense undergrowth on 80.04 chs.
	July 18,1904.

	July 19:At 7h 06m a.m,,l.m.t.,I set off 40°02'N.on the lat.arc;20°54'N.on the decl.arc;and determine a meridian with the solar at the cor.of secs.15-16-21 and 22.
	Thence I run
	N.0°02'W.,bet.secs.15 and 16.
	Descend over rough land through dnse artemisia.
18.00	Bottom of ravine,200 ft.deep,course W.
	Ascend.
29.50	Top of ridge bears E.and W.,300 ft.above bottom of ravine.
	Descend over sandstone boulders.
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.
80.00	Set a sandstone,24x10x8 ins.,18 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 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.23 E.

CHAINS	
	N.89°59'E.on a random line bet.secs.10 and 15.
40.00	Set temp.¼ sec.cor.
80.06	Intersect N.and S.line,18 lks.N.of the cor.of secs. 10-11-14 and 15.
	Thence I run
	N.89°53'W.on a true line
	bet.secs.10 and 15.
	Descend over sandstone boulders and ledges.
10.00	Bottom of hollow,200 ft.deep,course NW
	Ascend. Enter dense artemisia.
22.00	Top of spur projects N.,200 ft.above bottom of hollow.
	Descend.
40.03	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.
43.20	Bottom of hollow,250 ft.below top of spur,course SW.
	Ascend.
65.00	Top of spur,200 ft.above bottom of hollow,projects S.
	Descend.
76.50	Bottom of hollow,200 ft.below top of spur,course NW.
	Ascend.
80.06	The cor.of secs.9-10-15 and 16.
	Land,mountainous.
	Soil;rocky,4th rate.
	No timber.
	Mountainous land or dense undergrowth on 80.06 chs.

	N.0°02'W.,bet.secs.9 and 10.
	Descend over rough and broken land through dense artemisia.
2.00	Bottom of hollow,50 ft.below sec.cor.,course NW.
	Ascend over sandstone cliffs and boulders.

SUBDIVISIONS OF T.9 S.,R.23 E.

CHS.	S
25.00	Top of ridge bears E.and W.
	Descend gradually over sandy rolling land.
40.00	Set a sandstone,20x8x6 ins.,15 ins.in the ground,for $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on W.face;dig pits,18x18x12 ins., N.and S.of stone,3 ft.dist.;and raise a mound of earth, $3\frac{1}{2}$ ft.base,$1\frac{1}{2}$ ft.high,W.of cor.
80.00	Set a sandstone,20x8x4 ins.,15 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;dig pits,18x18x12 ins., in each sec.,$5\frac{1}{2}$ ft.dist.;and raise a mound of earth, 4 ft.base,2 ft.high,W.of cor.
	Land,mountainous and rolling.
	Soil;sandy and rocky,4th rate.
	No timber.
	Mountainous land or dense undergrowth on 80.00 chs.
	July 19:At this cor.,I set off 20°50'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°03'N.

	S.89°53'E.on a random line bet.secs.3 and 10.
40.00	Set temp.$\frac{1}{4}$ sec.cor.
80.10	Intersect N.and S.line,7 lks.S.of the cor.of secs. 2-3-10 and 11.
	Thence I run
	N.89°56'W.on a true line bet.secs.3 and 10.
	Ascend gradually over rolling sandy land through dense artemisia.
40.05	Set a sandstone,18x10x4 ins.,12 ins.in the ground,for $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on N.face;dig pits,18x18x12 ins., E.and W.of stone,3 ft.dist.;and raise a mound of earth,$3\frac{1}{2}$ ft.base,$1\frac{1}{2}$ ft.high,N.of cor.
55.00	Top of low spur projects NE.
	Descend gradually.
80.10	The cor.of secs.3-4-9 and 10.

SUBDIVISIONS OF T. 9 S., R. 23 E.

CHAINS	
	Land, rolling.
	Soil; sandy, 4th rate.
	No timber.
	Dense undergrowth on 80.10 chs.

	N. 0°02' W. on a random line bet. secs. 3 and 4.
40.00	Set temp. ¼ sec. cor.
78.08	Intersect N. bdy. of the Tp., 15 lks. E. of the cor. of secs. 3-4-33 and 34, heretofore described.
	Thence I run
	S. 0°08' E. on a true line bet. secs. 3 and 4.
	Descend gradually over rolling sandy land through dense artemisia.
29.00	Bottom of hollow, 50 ft. deep, course SW.
	Ascend.
36.00	Top of low spur projects W.
	Begin gradual descent.
38.08	Set a sandstone, 18x6x6 ins., 12 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.
70.00	Dry wash, 30 lks. wide, 8 ft. deep, course W.
	Ascend gradually.
78.08	The cor. of secs. 3-4-9 and 10.
	Land, rolling.
	Soil; sandy, 4th rate.
	No timber.
	Dense undergrowth on 78.08 chs.
	July 19, 1904.

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SUBDIVISIONS OF T.9 S.,R.23 E.

CHAINS	
	July 20:At 7h 06m a.m.,l.m.t.,I set off 39°59'N,on the lat.arc;20°43'N.on the decl.arc;and determine a meridian with the solar at the cor.of secs.4-5-32 and 33,here-to fore described,on the S.bdy.of the Tp.
	Thence I run
	N.0°03'W.,bet.secs.32 and 33.
	Ascend over rough broken land through dense artemisia.
40.00	Set a sandstone,20x10x6 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	Top of ridge bears E.and W.,500 ft.above sec.cor.on S.bdy.
	Descend.
80.00	Set a sandstone,24x10x4 ins.,18 ins.in the ground,for cor.of secs.28-29-32 and 33,marked with 1 notch on the S.and 4 notches on the E.edge;and raise a mound of stone,2 ft.base,1½ ft.high,W.of cor.
	Pits impracticable.
	Landmountainous.
	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.28 and 33.
40.00	Set temp.¼ sec.cor.
80.02	Intersect N.and S.line,3 lks.N.of the cor.of secs. 27-28-33 and 34.
	Thence I run
	N.89°58'W.on a true line bet.secs.28 and 33.
	Ascend over rough broken land through dense artemisia.
6.00	Top of spur projects NE.,200 ft.above sec.cor.

SUBDIVISIONS OF T.9 S.,R.23 E.

CHAINS	
	Descend.
25.00	Bottom of gulch,400 ft.below top of spur,course N.
	Ascend.
40.01	Set a sandstone,20x8x6 ins.,15 ins.in the ground,for $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on N.face;and raise a mound of stone,2 ft.base,$1\frac{1}{2}$ ft.high,N.of cor.
	Pits impracticable.
67.00	Top of ridge bears N.and S.,500 ft.above bottom of gulch.
	Descend. Wagon road to Ouray Agency bears NW.and SE.
80.02	The cor.of secs.28-29-32 and 33.
	Land mountainous.
	Soil;rocky,4th rate.
	No timber.
	Mountainous land and dense undergrowth on 80.02chs.
	N.0°03'W.,bet.secs.28 and 29.
	Descend over rocky land through dense artemisia.
8.50	Wagon road from Rangely to Ouray Agency bears NW.and SE.
21.00	Bottom of gulch,125 ft.below sec.cor.,course W.
	Ascend.
27.50	Top of spur,100 ft.above bottom of gulch,projects W.
	Descend.
40.00	Set a sandstone,18x10x4 ins.,12 ins.in the ground,for $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on W.face;and raise a mound of stone,2 ft.base,$1\frac{1}{2}$ ft.high,W.of cor.
47.00	Bottom of hollow,100 ft.deep,course W.
	Ascend.
64.00	Top of ridge bears E.and W.
	Descend.
73.00	Bottom of gulch,100 ft.deep,course NE.
	Ascend.
80.00	Set a sandstone,18x8x6 ins.,12 ins.in the ground,for cor.of secs.20-21-28 and 29,marked with 2 notches on

SUBDIVISIONS OF T.9 S.,R.23 E.

CHAINS	
	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.
	July 20:At this cor.,I set off 20°39'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.

	S.89°58'E.on a random line bet.secs.21 and 28.
40.00	Set temp.¼ sec.cor.
79.96	Intersect N.and S.line,18 lks.N.of the cor.of secs. 21-22-27 and 28.
	Thence I run
	N.89°50'W.on a true line
	bet.secs.21 and 28.
	Descend over rough and broken land through dense artemisia.
6.90	Bottom of gulch,200 ft.deep,course N.
	Ascend.
39.98	Set a sandstone,18x8x5 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.
50.00	Top of ridge bears NW.and S.,500 ft.above bottom of gulch.
	Descend over sandstone ledges.
58.00	Bottom of gulch,200 ft.below top of ridge,course NE.
	Ascend.
79.96	The cor.of secs.20-21 28 and 29.
	Land mountainous.
	Soil;rocky,4th rate.
	No timber.

SUBDIVISIONS OF T.9 S.,R.23 E.

CHAINS	
	Mountainous land and dense undergrowth on 79.96 chs.
	N.0°03'W.,bet.secs.20 and 21.
	Ascend over rocky land through dense artemisia.
4.00	Top of spur,150 ft.above sec.cor.,projects E.
	Descend.
33.00	Bottom of gulch,500 ft.below top of spur,course NE.
	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.
48.00	Top of spur,150 ft.above bottom of gulch,projects E.
	Descend.
55.00	Bottom of ravine,100 ft.deep,course W.
	Ascend.
63.00	Top of spur 200 ft.above bottom of ravine,projects SW.
	Descend.
74.00	Bottom of gulch,150 ft.below top of spur,course SW.
	Ascend.
80.00	Set a lime rock,18x10x4 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.

SUBDIVISIONS OF T.9 S.,R.23 E.

CHAINS	
	S.89°50'E.on a random line bet.secs.16 and 21.
40.00	Set temp.¼ sec.cor.
79.96	Intersect N.and S.line,15 lks.S.of the cor.of secs. 15-16-21 and 22.
	Thence I run N.89°56'W.on a true line bet.secs.16 and 21.
	Descend over rocky land through dense artemisia.
18.00	Bottom of gulch,150 ft.below sec.cor.,course N.
	Ascend.
39.00	Top of spur,350 ft.above bottom of gulch,projects N.
	Descend.
39.98	Set a sandstone,20x12x8 ins.,15 ins.in the ground, for ¼ sec.cor.,marked ¼ on N.face;and raise a mound of stone,2 ft.base,1½ ft.high,N.of cor.
	Pits impracticable.
40.10	Bottom of hollow,100 ft.deep,course NE.
	Ascend.
67.00	Top of ridge bears NE.and SW.
	Descend.
74.00	Bottom of hollow,100 ft.deep,course SW.
	Ascend.
79.96	The cor.of secs.16-17-20 and 21.
	Land,mountainous.
	Soil;rocky,4th rate.
	No timber.
	Mountainous land and dense undergrowth on 79.96 chs.
	July 20,1904.

	July 21:At 7h 06m a.m.,l.m.t.,I set off 40°02'N.on the lat.arc;20°31'N.on the decl.arc;and determine a meridian with the solar at the cor.of secs.16-17-20 and 21.
	Thence I run

SUBDIVISIONS OF T.9 S.,R.23 E.

CHAINS	
	N.0°03'W.,bet.secs.16 and 17.
	Ascend over rough and broken land through dense artemisia.
9.00	Top of ridge,400 ft.above sec.cor.,bears E.and W.
	Descend.
28.50	Bottom of gulch,400 ft.below top of ridge,course NW.
	Ascend.
33.00	Top of spur,200 ft.above bottom of gulch,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.
56.00	Bottom of gulch,300 ft.below top of spur,course NW.
	Ascend.
67.00	Top of spur,200 ft.above bottom of gulch,projects W.
	Descend.
80.00	Set a sandstone,12x8x6 ins.,8 ins.in the ground, for cor.of secs.8-9-16 and 17,marked with 4 notches on the S.and E.edges;and raise a mound of stone,2 ft. base,1½ ft.high,W.of cor.
	Pits impracticable.
	Land,mountainous.
	Soil;rocky,4th rate.
	No timber.
	Mountainous land and dense undergrowth on 80.00 chs.

	S.89°56'E.on a random line bet.secs.9 and 16.
40.00	Set temp.¼ sec.cor.
79.84	Intersect N.and S.line,9.1kd S.of the cor.of secs.9-10-15 and 16.
	Thence I run
	West,on a true line
	bet.secs.9 and 16.
	Ascend over rocky land.

SUBDIVISIONS OF T.9 S.,R.23 E.

CHAINS	
5.00	Top of spur,150 ft.above sec.cor.,projects N.
	Descend.
15.00	Bottom of hollow,150 ft.below top of spur,course SW.
	Ascend.
22.00	Top of low spur,75 ft.above bottom of hollow,projects S.
	Descend.
33.00	Bottom of same hollow,100 ft.below top of spur, course NW.
	Ascend.
39.92	Set a sandstone,18x6x6 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.
45.00	Top of spur,150 ft.above bottom of hollow,projects N.
	Descend.
79.84	The cor.of secs.8-9-16 and 17.
	Land,mountainous.
	Soil;rocky,4th rate.
	No timber.
	Mountainous land and dense undergrowth on 79.84 chs.

	N.0°03'W.,bet.secs.8 and 9.
	Descend over broken sandy land through dense artemisia.
8.00	Bottom of hollow,50 ft.below sec.cor.,course SW.
	Begin gradual ascent.
17.00	Begin abrupt ascent,bearing E.and W.
22.00	Top of spur,100 ft.above bottom of hollow,projects W.
	Descend.
40.00	Set a sandstone,24x10x5 ins.,18 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.

SUBDIVISIONS OF T.9 S.,R.23 E.

CHAINS.	
48.00	Bottom of hollow,50 ft.deep,course W.
	Ascend.
55.00	Top of spur projects.W.
	Descend.
60.00	Bottom of hollow,100 ft.deep,course W.
	Ascend.
65.00	Top of ridge bears E.and W.
	Descend.
80.00	Set a sandstone,16x8x5 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;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.
	Pits impracticble.
	Land,mountainous.
	Soil;sandy and rocky,4th rate.
	No timber.
	Mountainous land and dense undergrowth on 80.00 chs.
	July 21:At this cor.,I set off 20°28'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°03'N.

	N.on a random line bet.secs.4 and 9.
40.00	Set temp.¼ sec.cor.
80.00	Intersect N.and S.line,16 lks.S.of the cor.of secs. 3-4-9 and 10.
	Thence I run
	S.89°53'W.on a true line
	bet.secs.4 and 9.
	Descend over broken sandy land through dense artemisia.
12.50	Dry wash,70 lks.wide,8 ft.deep,course SW.
	Begin gradual ascent.
32.00	Top of low ridge bears NW.and SW.
	Begin gradual descent.

SUBDIVISIONS OF T.9 S.,R.23 E.

CHAINS	
40.01	Set a sandstone,20x6x6 ins.,15 ins.in the ground,for $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on N.face;and raise a mound of stone,2 ft.base,$1\frac{1}{2}$ ft.high,N.of cor.
	Pits impracticable.
60.00	Bottom of hollow,50 ft.deep,course N.
	Ascend over rough broken clay hills.
76.75	Top of clay spur,350 ft.above bottom of hollow;projects N.
	Descend.
80.02	The cor.of secs.4-5-8 and 9.
	Land,mountainous.
	Soil;rocky,clay and sandy,4th rate.
	No timber.
	Mountainous land and dense undergrowth on 80.02 chs.

	N.0°03'W.on a random line bet.secs.4 and 5.
40.00	Set temp.$\frac{1}{4}$ sec.cor.
78.05	Intersect N.bdy.of the Tp.,21 lks.E.of the cor.of secs.4-5-32 and 33,heretofore described.
	Thence I run
	S.0°12'E.on a true line
	bet.secs.4 and 5.
	Descend over clay hills and slides,through dense artemisia.
19.00	Bottom of hollow,50 ft.deep,course SW.
25.00.	Top of spur projects W.
	Descend.
31.00	Bottom of hollow,75 ft.deep,course W. Ascend.
37.00	Top of spur projects W.
	Descend.
38.05	Set a sandstone,14x8x6 ins.,9 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.

SUBDIVISIONS OF T.9 S. R.23 E.

CHAINS	
40.00	Bottom of hollow, 75 ft. deep, course W.
	Ascend.
78.05	The cor. of secs. 4-5-8 and 9.
	Land, mountainous.
	Soil; rocky, sandy and clay, 4th rate.
	No timber.
	Mountainous land and dense undergrowth on 78.05 chs.
	--------- July, 21, 1904.
	July 22: At 7h 06m a.m., l.m.t., I set off 39°59'N. on the lat. arc; 20°19'N. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 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 through dense artemisia over rough and broken country.
28.00	Bottom of gulch, 300 ft. deep, course NW.
	Ascend.
28.50	Wagon Road bears NW. and SE.
40.00	Set a sandstone, 24x7x5 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.
45.00	Top of spur, 300 ft. above bottom of gulch, projects W.
	Descend.
64.50	Bottom of gulch, 300 ft. below top of spur, course SW.
	Ascend.
69.50	Top of spur, 200 ft. above bottom of gulch, projects W.
	Descend.
80.00	Set a sandstone, 18x10x4 ins., 12 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.

SUBDIVISIONS OF T.9 S.,R.23 E.

CHAINS	
	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. 29 and 32.
40.00	Set temp. ¼ sec. cor.
79.80	Intersect N. and S. line, 12 lks. S. of the cor. of secs. 28-29-32 and 33.
	Thence I run
	S.89°56'W. on a true line
	bet. secs. 29 and 32.
	Ascend over rocky land through dense artemisia.
39.90	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.
42.00	Top of ridge bears N. and S.
	Descend over broken land.
79.80	The cor. of secs. 29-30-31 and 32.
	Land, mountainous.
	Soil; rocky and sandy, 4th rate.
	No timber.
	Mountainous land and dense undergrowth on 79.80 chs.

	N.89°59'W. on a random line bet. secs. 30 and 31.
40.00	Set temp. ¼ sec. cor.
79.52	Intersect W. bdy. of the Tp., 3 lks. S. of the cor. of secs. 25-30-31 and 36, heretofore described.
	Thence I run
	S.89°57'E. on a true line
	bet. secs. 30 and 31.
	Descend over rocky land through dense artemisia.
39.52	Bottom of gulch, 500 ft. below sec. cor., course SW.

SUBDIVISIONS OF T.9 S., R.23 E.

CHAINS	
	A[illegible].
[illegible]	Set a sandstone, 14x9x6 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. Ascend.
59.00	Top of spur, 250 ft. above bottom of gulch, projects SW. Descend.
70.00	Bottom of gulch, 300 ft. below top of spur, course SW. Ascend.
79.52	The cor. of secs. 29-30-31 and 32.
	Land, mountainous.
	Soil; rocky and sandy, 4th rate.
	No timber.
	Mountainous land and dense undergrowth on 79.52 chs.
	July 22: At this cor., ~~I set off 20°~~ 16' 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°00' N.

	N. 0°03' W., bet. secs. 29 and 30.
	Descend over rough and broken land through dense artemisia.
2.50	Bottom of ravine, 200 ft. deep, course W.
	Begin abrupt ascent.
6.00	Top of ridge bears E. and W.
	Begin abrupt descent.
38.00	Bottom of gulch, 400 ft. below top of ridge, course W.
	Ascend.
40.00	Set a sandstone, 14x10x5 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	Wagon road from Rangely to Ouray Agency bears NW. and SE.
75.00	Top of ridge bears E. and W.
	Descend.
80.00	Set a sandstone, 18x12x7 ins., 12 ins. in the ground, for

SUBDIVISIONS OF T.9 S.,R.23 E.

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

	N.89°56'E.on a random line bet.secs.20 and 29.
40.00	Set temp.¼ sec.cor.
80.10	Intersect N.and S.line,9 lks.N.of the cor.of secs. 20-21-28 and 29.
	Thence I run
	West,on a true line
	bet.secs.20 and 29.
	Ascend over broken land through dense artemisia.
19.00	Top of ridge,150 ft.above sec.cor.,bears N.and S.
	Descend.
40.05	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.
47.00	Bottom of gulch,300 ft.below top of ridge,course N.
	Ascend.
80.10	The cor.of secs.19-20-29 and 30.
	Land,mountainous.
	Soil;rocky,4th rate.
	No timber.
	Mountainous land and dense undergrowth on 80.10 chs.

	N.89°57'W.on a random line bet.secs.19 and 30.
40.00	Set temp.¼ sec.cor.
79.44	Intersect W.bdy.of the Tp.,16 lks.S.of the cor.of

SUBDIVISIONS OF T.9 S.,R.23 E.

CHAINS	
	secs.19-24-25 and 30,heretofore described.
	Thence I run
	S.89°50'E.on a true line
	bet.secs.19 and 30.
	Descend through dense artemisia.
10.00	Bottom of hollow,100 ft.deep,course NW.
	Ascend.
27.00	Wagon road from Rangely to Ouray Agency bears NW.and SE.
36.50	Top of ridge bears NW.and SE.
	Descend.
39.44	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.
79.44	The cor.of secs.19-20-29 and 30.
	Land,mountainous.
	Soil;rocky,4th rate.
	No timber.
	Mountainous land & dense undergrowth on 79.44 chs.
	July 22,1904.

	July 23:At 7h 06m a.m.,l.m.t.,I set off 40°01'N.on the lat.arc;20°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
	N.0°03'W.,bet.secs.19 and 20.
	Descend over rocky land through dense artemisia.
39.50	Bottom of gulch,500 ft.below sec.cor.,course NE.
	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.
44.00	Top of Spur,100 ft.above bottom of gulch,projects NE.

SUBDIVISIONS OF T.9 S.,R.23 E.

CHAINS	
	Descend.
50.50	Bottom of ravine,100 ft.below top of spur,course E.
	Ascend.
53.00	Top of spur,50 ft.above bottom of ravine,projects E.
	Descend.
65.00	Bottom of gulch,200 ft.below top of spur,course SW.Ascend.
70.75	Top of ridge bears.E.and W. - Descend.
80.00	Set a sandstone,18x12x6 ins.,12 ins.in the ground,for cor.of secs.17-18-19 and 20,marked with 3 notches on the S.and 5 notches on the E.edge;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.17 and 20.
40.00	Set temp .¼ sec.cor.
80.20	Intersect N.and S.line,5 lks.S.of the cor.of secs. 16-17-20 and 21.
	Thence I run
	S.89°58'W.on a true line
	bet.secs.17 and 20.
	Ascend over rocky land,through dense artemisia.
6.00	Top of spur projects S.
	Descend.
18.00	Bottom of gulch,100 ft.deep,course SW.
	Begin abrupt ascent.
23.00	Top of spur projects SW.
	Descend.
40.10	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.

SUBDIVISIONS OF T.9 S.,R.23 E.

CHAINS	
47.00	Bottom of gulch,100 ft.deep,course N.70°W.to W.
	Descend along bottom of gulch.
65.00	Leave bottom of gulch,course W.to NW.
	Ascend.
75.00	Point of spur projects N.
	Descend.
80.20	The cor.of secs.17-18-19 and 20.
	Land,mountainous.
	Soil;rocky,4th rate.
	No timber.
	Mountainous land and dense undergrowth on 80.20 chs.

	N.89°50'W.on a random line bet.secs.18 and 19.
40.00	Set temp.¼ sec.cor.
79.30	Intersect W.bdy.of the Tp.,9 lks.N.of the cor.of secs 13-18-19 and 24,heretofore described.
	Thence I run
	S.89°54'E.on a true line bet.secs.18 and 19.
	Ascend over rocky land through dense artemisia.
13.00	Top of ridge bears N.and S.
	Descend.
39.30	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.
58.00	Begin abrupt descent.
62.00	Bottom of gulch,100 ft.deep,course N.
	Ascend.
79.30	The cor.of secs.17-18-19 and 20.
	Land,mountainous.
	Soil;rocky,4th rate.
	No timber.
	Mountainous land and dense undergrowth on 79.30 chs.

SUBDIVISIONS OF T.9 S.,R.23 E.

CHAINS	
	July 23:At this cor.,I.set off 20°04'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.

	N.0°03'W.,bet.secs.17 and 18.
	Descend over rocky land through dense artemisia.
2.90	Bottom of gulch,150 ft.deep,course NW.
	Ascend.
8.00	Top of spur projects W.
	Descend.
40.00	Set a sandstone,18x7x5 ins.,12 ins.in the ground,for
¼ sec.	cor.,marked ¼ on W.face;and raise a mound of stone,2 ft. base,1½ ft.high,W.of cor.
	Pits impracticable.
45.00	Bottom of hollow,300 ft.below top of spur,course W.
	Begin abrupt ascent.
58.00	Top of ridge bears E.and W.
	Descend.
64.00	Bottom of gulch,100 ft.below top of ridge,course W.
	Ascend.
80.00	Set a sandstone,18x8x8 ins.,12 ins.in the ground,for cor.of secs.7-8-17 and 18,marked with 4 notches on the S.and 5 notches on the W.edge;and raise a mound of stone,2 ft.base,1½ ft.high,W.of cor.
	Pits impracticable.
	Land,mountainous.
	Soil;rocky and sandy,4th rate.
	No timber.
	Mountainous land and dense undergrowth on 80.00 chs.

SUBDIVISIONS OF T.9 S.,R.25 E.

CHAINS	
	N.89°58'E.on a random line bet.secs.8 and 17.
40.00	Set temp.¼ sec.cor.
80.04	Intersect N.and S.line,16 lks.N.of the cor.of secs. 8-9-16 and 17.
	Thence I run
	N.89°55'W.on a true line
	Bet.secs.8 and 17.
	Descend over broken land through dense artemisia.
25.00	Bottom of hollow,100 ft.deep,course SW.
	Begin abrupt ascent.
34.00	Top of spur projects NW.,300 ft.above bottom of hollow.
	Descend.
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.
45.00	Bottom of swale,150 ft.below top of spur,course S.
	Ascend.
70.00	Top of spur projects S.
	Descend.
80.04	The cor.of secs.7-8-17 and 18.
	Land,mountainous.
	Soil;rocky,4th rate.
	No timber.
	Mountainous land and dense undergrowth on 80.04 chs.

	N.89°54'W.on a random line bet.secs.7 and 18.
40.00	Set temp.¼ sec.cor.
79.02	Intersect W.bdy.of the Tp.,12 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.
	Ascend over rough and broken land through dense

SUBDIVISIONS OF T.9 S.,R.23 E.

CHAINS	
	artemisia.
12.00	Top of ridge bears NE.and SW.
	Descend.
24.00	Bottom of hollow,100 ft.deep,course N.
	Ascend.
33.00	Top of spur projects N.
	Descend.
38.00	Bottom of ravine,100 ft.deep,course N.
	Ascend.
39.02	Set a sandstone,20x8x6 ins.,15 ins.in the ground,for $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on N.face;and raise a mound of stone,2 ft.base,$1\frac{1}{2}$ ft.high,N.of cor.
	Pits impracticable.
79.02	The cor.of secs.7-8-17 and 18.
	Land,mountainous.
	Soil;rocky,4th rate.
	No timber.
	Mountainous land and dense undergrowth on 79.02 chs.
	July 23,1904.

	July 24:At 7h 06m a.m.,l.m.t.,I set off 40°03'N.,on the lat.arc;19°55'N.on the decl.arc;and determine a meridian with the solar at the cor.of secs.7-8-17 and 18.
	Thence I run
	N.0°03'W.,bet.secs.7 and 8
	Ascend over rolling sandy land through dense artemisia.
10.50	Top of ridge spur projects W.
	Descend gradually .
40.00	Set a sandstone,20x8x6 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.
47.50	Dry wash,30 lks.wide,8 ft.deep,course SW. Ascend.
80.00	Set a sandstone,18x8x8 ins.,12 ins.in the ground, for cor.of secs.5-6-7-8,marked with 5 notches on the S.and E.edges;dig pits,18x18x12 ins.,in each sec.,$5\frac{1}{2}$

SUBDIVISIONS OF T.9 S.,R.23 E.

CHAINS	
	ft.dist.;and raise a mound of earth,4 ft.base,2 ft.
	high W.of cor.
	Land,mountainous.
	Soil;rocky and sandy,4th rate.
	No timber.
	Mountainous land and dense undergrowth on 80.00 chs.

	S.89°55'E.on a random line bet.secs.5 and 8.
40.00	Set temp.$\frac{1}{4}$ sec.cor.
79.92	Intersect N.and S.line,12 lks.S.of the cor.of secs.
	4-5-8 and 9.
	Thence I run
	West,on a true line
	bet.secs.5 and 8.
	Descend gradually over rolling sandy land through dense
	artemisia.
39.96	Set a sandstone,20x8x4 ins.,15 ins.in the ground,for
	$\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on N.face;dig pits,18x18x12 ins.,
	E.and W.of stone,3 ft.dist.;and raise a mound of earth
	$3\frac{1}{2}$ ft.,base,$1\frac{1}{2}$ ft.high,N.of cor.
67.00	Dry wash,25 lks.wide,7 ft.deep,course S.
	Ascend gradually.
79.92	The cor.of secs.5-6-7 and 8.
	Land,rolling.
	Soil;rocky and sandy,4th rate.
	No timber.
	Dense undergrowth on 79.92 chs.

	N.89°59'W.on a random line bet.secs.6 and 7.
40.00	Set temp.$\frac{1}{4}$ sec.cor.
78.90	Intersect W.bdy.of the Tp.,21 lks.S.of the cor.of
	secs.1-6-7-12,heretofore described.
	Thence I run
	S.89°50'E.on a true line
	bet.secs.6 and 7.

SUBDIVISIONS OF T.9 S.,R.23 E.

CHAINS	
14.00	Top of ridge bears NE.and SW.
	Descend.
38.90	Set a sandstone,20x12x8 ins.,15 ins.in the ground,for $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on N.face;and raise a mound of stone,2 ft.base,$1\frac{1}{2}$ ft.high,N.of cor.
	Pits impracticable.
78.90	The cor.of secs.5-6-7 and 8.
	Land,mountainous.
	Soil;rocky,4th rate.
	No timber.
	Mountainous land and dense undergrowth on 78.90 chs.

	N.0°03'W.,on a random line bet.secs.5 and 6.
40.00	Set temp.$\frac{1}{4}$ sec.cor.
78.10	Intersect N.bdy.of the Tp.,12 lks.E.of the cor.of secs. 5-6-31 and 32,heretofore described.
	Thence I run S.0°08'E.on a true line bet.secs.5 and 6.
	Ascend gradually over rolling sandy land through dense artemisia.
15.00	Top of low ridge bears E.and W.
	Begin gradual descent.
38.10	Set a sandstone,18x8x6 ins.,12 ins.in the ground,for $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on W.face;and raise a mound of stone,2 ft.base,$1\frac{1}{2}$ ft.high,W.of cor.
	Pits impracticable.
78.10	The cor.of secs.5-6-7-8.
	Land rolling.
	Soil;sandy and rocky,4th rate.
	No timber.
	Dense undergrowth on 78.10 chs.
	July 24,1904.

SUBDIVISIONS OF T.9 S.,R.23 E.

GENERAL DESCRIPTION.

This township is all mountainous,and badly broken and cut up by washes ravines and gulches.

There is no water in this township.

The township is covered with a dense growth of sagebrush,greasewood and shadscale undergrowth,but has no timber.

There are no settlers in this township.

The only mineral found in this township,is a gilsonite vein,"The Uintah Lode",averaging 12 inches in width, which crosses the E.bdy.of the township,into sec.25;bears NW.and SE.

I return as mineral land the NE.¼ of sec.25.

Alfredo R Talamantes

US.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 survey of SUBDIVISIONS OF T.9 S., R.23 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.23 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 24th day of JULY, 1904., 189

SEAL

E. T. Carlin
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.23 E. of the SALT LAKE BASE AND meridian, in the STATE of UTAH., which are represented in the foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for 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~~

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

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.9 South, Range No.23 East of the Salt Lake Base and Meridian, Utah,

executed by their Alfredo R. Talamantes and Harvey D. Heist, U.S. Deputy Surveyo under his contract No. 285, dated April 12, 1904, ~~189~~, having bee critically examined, and the necessary corrections and explanations made, the said field notes, and t surveys they describe, are hereby approved.

Edward H. Anderson
United States Surveyor Gen

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

United States Surveyor Genera

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