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R0353

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6—151

PRELIMINARY OATHS OF ASSISTANTS.

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

.....

....., *Chainman.*

....., *Chainman.*

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

SEAL

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

.....

....., *Moundman.*

....., *Moundman.*

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

SEAL

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

.....

....., *Axman.*

....., *Axman.*

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

SEAL

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

....., *Flagman.*

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

SEAL

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6—151

PRELIMINARY OATHS OF ASSISTANTS.

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

.....

....., *Chainman.*

....., *Chainman.*

Subscribed and sworn to before me this .....
day of ....., 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 41 South, *Range* 9 West

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6—151

PRELIMINARY OATHS OF ASSISTANTS.

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

.....

....., *Chainman.*

....., *Chainman.*

Subscribed and sworn to before me this .....
day of ....., 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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Meanders Page.....

PRELIMINARY OATHS OF ASSISTANTS.

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

....., *Chainman.*

....., *Chainman.*

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

SEAL

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

....., *Moundman.*

....., *Moundman.*

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

SEAL

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

....., *Axman.*

....., *Axman.*

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

SEAL

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

....., *Flagman.*

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

SEAL

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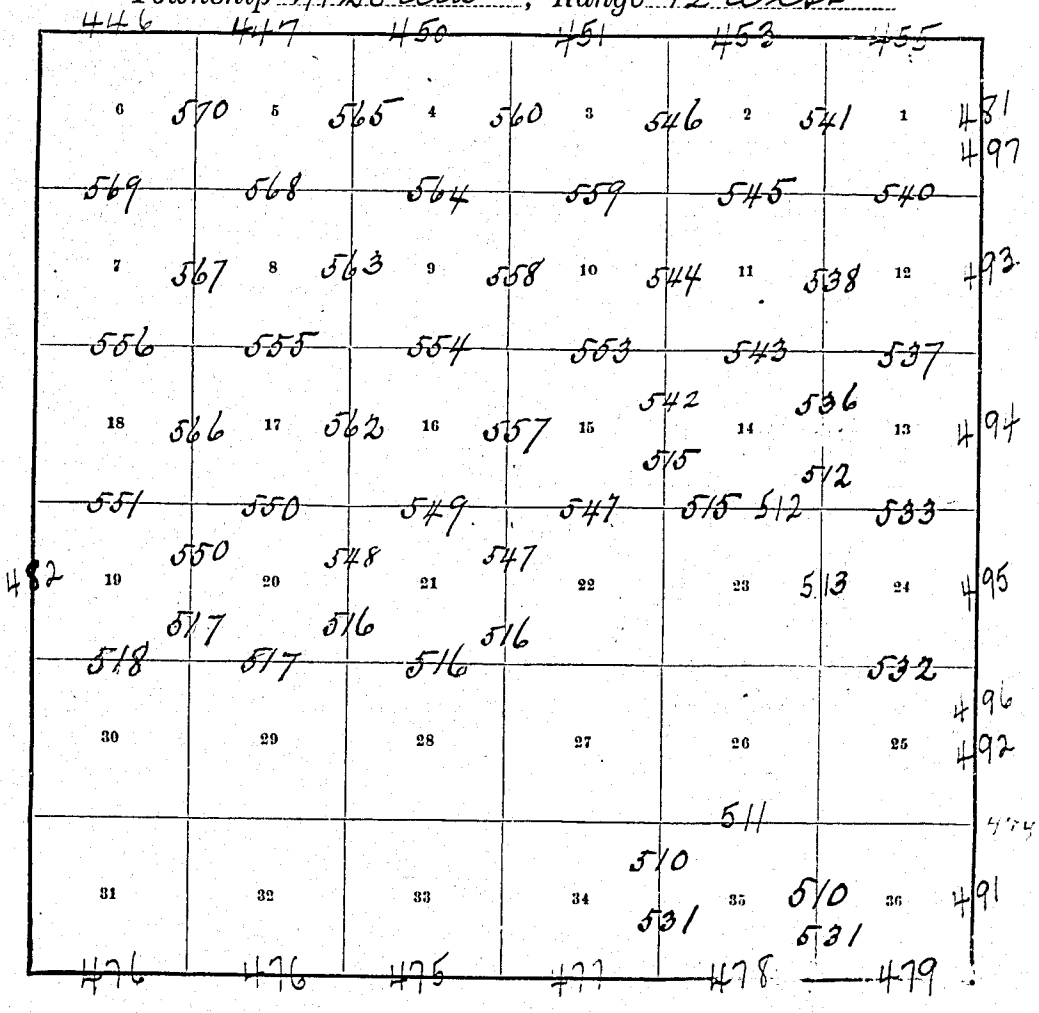
Township 41 South, *Range* 12 West



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PRELIMINARY OATHS OF ASSISTANTS.

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

.....

....., *Chainman.*

....., *Chainman.*

Subscribed and sworn to before me this .....
day of ....., 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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30	29	28	27	26	25
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Meanders Page.....

PRELIMINARY OATHS OF ASSISTANTS.

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

..... *Chainman.*

..... *Chainman.*

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

SEAL

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

..... *Moundman.*

..... *Moundman.*

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

SEAL

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

..... *Axman.*

..... *Axman.*

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

SEAL

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

..... *Flagman.*

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

SEAL

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BOOK A-353

a.

FILED
DEC 1 1909

FIELD NOTES

OF THE SURVEY OF THE

NORTH AND WEST BOUNDARIES

of

Township No.44 South, Range No.9 West,

Of the Salt Lake Base and *Meridian,*

State of Utah

AS SURVEYED BY

Scott F.Stewart and Frank C.French, *United States Deputy Surveyors,*

Under their *Contract No.* 308, *dated* March 17,1909.

Survey commenced July 15,1909.

Survey completed July 17,1909.

BOOK A-353

NAMES AND DUTIES OF ASSISTANTS.

Quinby Stewart	Chainsman
Hillman Dalley	Chainman
Ren Stewart	Moundman
Stuart Horsley	Moundman
Joseph Stevens	Axman
Shirley C.Horsley	Flagman

For preliminary affidavits see book "B" T. 43 S., R. 8 W.

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Township 44 South, *Range* 9 West

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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 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 ....., 19

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 ....., 19

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 ....., 19

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 ....., 19

SEAL

North bdy.of T.44 S.,R.9 W.

Survey commenced July 15,1909,and executed with a Young and Sons light mountain transit,No.7382,with solar attachment.The horizontal limb is provided with two double verniers placed opposite to each other,reading to single minutes of arc;which is also the least count of the latitude and declination arcs.

The instrument was examined,tested on the meridian at Salt Lake City,found correct,and was approved by the surveyor general for Utah,July 3,1909.

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 p.m.and a.m.hours with a meridian established by Polaris observation;I proceed as follows:

At the cor.of Tps.43 and 44 S.,Rs.8 and 9 W.,heretofore described ,latitude,37°01'37"N.,longitude 112°45'42"W.,I set off 37°02'N.,on the lat.arc;21°32'N.,on the decl.arc; and at 4 h 6 m p.m.,l.m.t.,I determine a meridian with the solar,and mark a point thereof on a stone firmly set in the ground,5.00 chs.N.of the cor.

July 15,1909.

July 16,1909:At 11h 53 m p.m.,l.m.t.,I observe Polaris at eastern elongation in accordance with the Manual,and mark a point thereof on a wooden plug set in the ground, 5.00 chs.N.of the cor.

At 6 h 30 m a.m.,l.m.t.,I lay off the azimuth of Polaris 1°28.6' to the west,and mark a point in the meridian thus determined,by cutting a small groove in the stone already set 5.00 chs.N.of the cor.;this mark falls 0.38 ins.east of the meridian established by the solar.

At 7 h 6 m a.m.,l.m.t.,I set off 37°02'N.,on the lat.

North bdy.of T.44 S.,R.9 W.-Continued.

Chains

arc;21°27'N.,on the decl.arc;and mark the meridian determined with the solar,by a cross on the stone already set 5.00 chs.N.of the cor.;this mark falls 0.30 ins.east of the meridian established by Polaris observation.

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

The magnetic bearing ot the meridian at 7 h 30 m a.m., is N.15°55'W.,the angle thus determined gives the mag. decl.15°55'E.

From the cor.of Tps.43 and 44 S.,Rs.8 and 9 W.,heretofore described.

I run

West,on a true line bet.secs.1 and 36.

Over gently rolling ground,through dense sage and bitter brush and scattering cedar and pinon pine timber .

Asc.gently .

40.00 Set an iron post,3 ft.long,.,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor..,mkd.on brass cap ¼ S 36 in N half and S 1 in S half;from which

A cedar,12 ins.dia.,bears N.2°10'E.,121 lks. dist..mkd.¼ S 36 B T.

A cedar,24 ins.dia.,bears S.64°10'W.,149 lks. dist..mkd.¼ S 1 B T.

57.00 Leave timber,bears N.and S.

80.00 Set an iron post,3 ft.long,3 ins.in dia.,24 ins.in the ground,for cor.of secs.1,2,35,and 36,mkd.on brass cap

T 43 S S 35 in NW.

R 9 W S 36 in NE.

R 9 W S 1 in SE.;and

T 44 S S 2 in SW.quadrants;dig pits,18x18x12

North bdy.of T.44 S.,R.9 W.-Continued.

Chains

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 loam;2nd rate.

Timber,cedar and pinon .

Undergrowth,sage and bitter brush.

Good grass for grazing.

Wand covered with dense undergrowth,80.00 chs.

West,on true line bet.secs.2 and 35.

Over nearly level land;through dense sage and bitter brush.

Desc.gently.

40.00 Set an iron post,3 ft.long ,1 ins.in dia.,26 ins.in the ground,for ¼ sec.cor..,mkd.on brass cap ¼ S 35 in N half and S 2 in S half;dig pits,18x18x12 ins.,E.and W.of post, 3 ft.dist.;and raise a mound of earth,3½ ft.base,1½ ft. high,N.of cor.

63.45 Road from Orderville to Kane Beds and St.George ,bears N.70°E.and S.70°W.

79.90 Same road,bears S.80°W.and S.80°E.

80.00 Set an iron post,3 ft.long,3 ins.in dia.,24 ins.in the ground,for cor.of secs.2,3,34,and 35,mkd.on brass cap

T 44 S S 34 in NW.

R 9 W S 35 in NE.

R 9 W S 2 in SE.;and

T 44 S S 3 in SW.quadrants;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,molling .

Soil,sandy loam;2nd rate.

No timber .

Undergrowth,sage and bitter brush.

Good grass for grazing.

North bdy.of T.44 S.,R.9 W.-Continued.

Chains

Land covered with dense undergrowth,80.00 chs.

July 16,1909:At this cor.I set off 21 °24'N.,on the decl. arc;and at 0 h 6 m p.m.,l.m.t.,I observe the sun on the meridian,the resulting lat.is 37°02'N.,which is the proper lat.nearly.

West,on a true line bet.secs.3 and 34.

Over rolling ground,through dense undergrowth.

Asc.gently.

3.50 Road from Orderville to Kane Beds and St.George,bears S.75°E.and W.

11.50 Leave road,bears N.75°W.and E.

30.00 Enter scattering timber,bears N.and S.

37.20 Same road,bears N.60°E.and S.60°W.

40.00 Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor.,mkd.on brass cap ¼ S 34 in N half and S 3 in S half ;from which

A cedar,14 ins.dia.,bears N.81°30'E.,187 lks. dist.,mkd.¼ S 34 B T.

A cedar,14 ins.in dia.,bears S.59°30'W.,52 lks. dist.,mkd.¼ S 3 B T.

43.00 Le ave timber,bears N.and S.

80.00 Set an iron post,3 ft.long,3 ins.in dia.,24 ins.in the ground,for cor.of secs.3,4,33,and 34,mkd.on brass cap

T 43 S S 33 in NW.

R 9 W S 34 in NE.

R 9 W S 3 in SE.;and

T 44 S S 4 in SW.quadrants;and dig pits,18x18x 12 ins.in each sec.;5½ ft.dist,;and raise a mound of earth, 4 ft.base,2 ft.high,W.of cor.

Land,rolling .

Soil,sandy loam;2nd rate.

Chains	
	Timber,cedar and pinon pine.
	Undergrowth,sage and bitter brush.
	Good grass for grazing.
	Land covered with dense undergrowth,80.00 chs.
	West,on true line bet.secs.4 and 33.
	Over rolling ground;through dense sage and bitter brush.
	Asc.gently.
25.00	Leave rolling ground,and begin steep ascent of mountain over red sandstone ledges,bears N.and S.
	Enter scattering timber ,bears N.and S.
31.00	Top of ridge,150 ft.above sec.cor.,bears N.20°E.and S. 20°W.
	Desc.
40.00	Foot of ledges,bears N.and S.
	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor..mkd. on brass cap ¼ S 33 in N half and S 4 in S half;from which
	A pinon pine,12 ins.dia.,bears N.62°W.,45 lks. dist..mkd.¼ S 33 B T.
	A yellow pine,16 ins.dia.,bears S.2°E.,149 lks. dist..mkd.¼ S 4 B T.
41.50	Head of hollow,120 ft .below ridge,course S.40°W.,
	Asc.
51.00	Top of ridge,30 ft above hollow,bears N.and S.
	Desc.
56.00	Bottom of hollow,30 ft.be low ridge,course S.20°E.
	Asc.
70.00	Asc.aver ledges,bears N.and S.
80.00	Set an iron post,3 ft.long,3 ins.in dia.,24 ins.in the ground,for cor.of secs.4,5,32,and 33,mkd.on brass cap T 43 S S 32 in NW.

North bdy.of T.44 S.,R.9 W.-Continued.

Chs.

R 9 W S 33 in NE.

R 9 W S 4 in SE.;and

T 44 S S 5 in SW.quadrants;from which

A pinon pine,9 ins.dia.,bears N.31°30'E.,51 lks.dist.;mkd.T 43 S R 9 W S 33 B T.

A pinon pine,13 ins.dia.,bears S.54°E.,115 lks.dist..mkd.T 44 S R 9 W S 4 B T.

A cedar,9 ins.dia.,bears S.25°50'W.,62 lks. dist..mkd.T 44 S R 9 W S 5 B T.

A pinon pine,18 ins.dia.,bears N.26°30'W.,62 lks.dist..mkd.T 43 S R 9 W S 32 B T.

Land rolling and mountainous .

Soil,sandy loam and rocky;2nd and 4th rate.

Timber,cedar and pinon pine and yellow pine.

Undergrowth,sage and bitter brush.

Good grass for grazing.

Mountainous land,or land covered with dense undergrowth, 80.00 chs.

West,on a true line bet.secs.5 and 32.

Over mountainous land;through scattering timber and dense undergrowth.

Asc.over rough sandstone ledges.

30.00 Top of sharp ridge,400 ft.above sec.cor.,bears N.and S.

Desc.

33.40 Bottom of hollow,80 ft.below ridge,course S.

Asc.

36.00 Top of ridge,20 ft.above hollow,bears N.and S.

Desc.

38.50 Deep ravine in solid rock,80 ft.deep,course S.20°E.

Asc.

40.00 Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor..mkd.on brass cap ¼ S 32 in N half

North bdy.of T.44 S.,R.9 W.-Continued.

Chains	
	and S 5 in S half;from which
	A yellow pine,18 ins.dia.,bears N.36°W.,71 lks. dist..mkd.¼ S 32 B T.
	A yellow pine,14 ins.dia.,bears S.74°30'E.,25 lks.dist..mkd. ¼ S 5 B T.
70.00	Top of ridge,500 ft.above hollow,bears N.and S.
	Desc.
80.00	Set an iron post,3 ft.long,3 ins.in dia.,24 ins.in the ground,for cor.of secs.5,6,31,and 32,mkd.on brass cap
	T 43 S S 31 in NW .
	R 9 W S 32 in NE.
	R 9 W S 5 in SE.;and
	T 44 S S 6 in SW.quadrants;from which
	A pinon pine,8 ins.dia.,bears N.31°30'E.,94 lks. dist..mkd.T 43 S R 9 W S 32 B T.
	A pinon pine,12 ins.dia.,bears S.35°15'E.,82 lks.dist..mkd.T 44 S R 9 W S 5 B T.
	A pinon pine,12 ins.dia.,bears S.5°20'W.,60 lks.dist.,mkd.T 44 S R 9 W S 6 B T.
	A pinon pine,24 ins.dia.,bears N.54°40'W.,277 lks.dist..mkd.T 43 S R 9 W S 31 B T.

Land,mountainous .

Soil,sandy loam and rocky;2nd and 4th rate.

Timber,cedar and pinon pine.

Undergrowth,sage,oak,and bitter brush.

Good grass for grazing.

Mountainous land or land covered with dense undergrowth, 80.00 chs.

July 16,1909.

July 17,1909:At 7 h 6 m a.m.,l.m.t.,I set off 37°02'N., on the lat.arc;21°17'N.,on the decl.arc;and determine a meridian with the solar,at the cor.of secs.5,6,31,and 32,on N.bdy.of Tp.,heretofore described.

North bdy.of T.44 S.,R.9 W.-Continued.

Chains

Thence I run

West,on a true line bet.secs.6,and 31.

Over mountainous land;through dense undergrowth and scattering timber :

Desc.gradually.

10.00 Head of hollow,20 ft.below sec.cor.,course N.10°E.

Asc.gently

18.30 Top of ridge,30 ft.above hollow,bears N.and S.

Desc.

40.00 Set an iron post,3 ft.long,1 in.in dia.,12 ins.in tthe ground,and surrounded by stone mound,for ¼ sec.cor.,mkd. on brass cap ¼ S 31 in N half and S 6 in S half;from which

A yellow pine,12 ins.dia.,bears N.83°30'E.,161 lks.dist..mkd.¼ S.31 B.T.

A yellow pine,12 ins.dia.,bears S.70°E.,59 lks.dist..mkd. ¼ S·6 B T.

50.00 Begin abrupt descent,bears N.and S.

Enter ledges,bears N.and S.

72.50 Foot of ledges,1000 ft.below ridge,bears N.and S.

Enter bottom of Cottonwood canon.

74.50 Wash in canon,100 ~~lks~~ wide,3 ft.deep,course S.30°W.

78.92 Allowing for convergency of meridian,

78.92 Set an iron post,3 ft.long,3 ins.in dia.,24 ins.in the ground,for cor.of Tps.43 and 44 S.,Rs.9 and 9½ W.,mkd.on brass cap

T 43 S in N .half .

T 44 S in S half.

R 9½ W S 36 in NW.

R 9 W S 31 in NE.

R 9 W S 6 in SE.;and

R 9½ W S 1 in SW.quadrants;from which

A cedar,8 ins.dia.,bears N.71°30'E.,72 lks. dist..mkd.T 43 S R 9 W S 31 B T.

A cedar,12 ins.dia.,bears S.82°30'W.,85 lks. dist..mkd.T 44 S R 9½ W S 1 B T.

A cedar,8 ins.dia.,bears N.20°W.,41 lks.

Chs.	
	dist..mkd.T 43 S R 9½ W S 36 B T.
	No other trees within limits;raise a mound of stone 2 ft. base,1½ ft.high,W.of cor.
	Land,mountainous .
	Soil,sandy loam and rocky;2nd and 4th rate.
	Timber,cedar a,pinon pine,and yellow pine.
	Undergrowth,sage and oak brush.
	Good grass for grazing.
	Mountainous land or land covered with dense undergrowth.
	78.92 chs.
	July 17,1909:At this cor.I set off 21°14'N.,on the decl. arc;and at 0 h 6 m p.m.,l.t.,I observe the sun on the meridian the resulting lat.is 37°02'N.,which is the proper lat.nearly .

West bdy.T.44 S.,R.9 W.

	South,on true line bet.secs.1 and 6 from the cor.of Tps. 43 and 44 S.,Rs.9 and 9½ W.,described above.
	Over mountainous land;through dense sage brush and prickly ash.
	Desc.along bottom of Cottonwood canon.
8.80	Wash,100 lks.wide,2 ft deep,course S.10°W.
40.00	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor..mkd.on brass cap ¼ S 1 in W half and S 6 in E half;dig pits,18x18x12 ins.N.and S.of post, 3 ft.dist.,and raise a mound of earth,3½ ft.base,1½ ft. high,W.of cor.
59.50	Leave canon bottom,bears N.10°E.and S.10°W.
	Enter scattering timber,bears N.10°E.and S.10°W.
	Asc.over small ridges and hollows.

West bdy.of T.44 S.,R.9 W.-Continued.

Chains

79.00 Top of ridge,10 f .above canon,bears N.70°E..and S.80°W.

Dens.

80.00 Set an iron post, 3 ft.long,3 ins.in dia.,24 ins.in the ground,for cor.of secs.1,6,7,and 12,mkd.on brass cap

T 44 S in N half.

R 9½ W S 1 in NW.

R 9 W S 6 in NE.

S 7 in SE.;and

S 12 in SW.quadrants;from which

A cedar,5 ins.dia.,bears N.12°15'E.,45 lks. dist..mkd.T 44 S R 9 W S 6 B T.

A pinon pine,8 ins.dia.,bears S.58°15'E.,48 lks.dist..mkd.T 44 S R 9 W S 7 B T.

A pinon pine,8 ins.dia.,bears S.34°30'W.,30 lks.dist..mkd.T 44 S R 9½ W S 12 B T.

A pinon pine,3 ins.dia.,bears N.22°10'W.,45 lks.dist..mkd.T 44 S R 9½ 7 S 1 B T.

Land,mountainous .

Soil,sandy loam;2nd rate.

Timber,cedar and pinon pine.

Undergrowth,sage brush and prickly ash.

Good grass for grazing.

Mountainous land,or land covered with dense undergrowth, 80.00 chs.

South,on true line bet.secs.7 and 12.

Over mountainous land;through scattering timber and dense undergrowth.

Dens.

2.50 Bottom of hollow,80 ft.below sec.cor.,course S.80°W.

Ans.over small ridges and hollows.

40.00 Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the

West bdy.of T.44 S.,R.9 W.-Continued.

Chains

ground,for ¼ sec.cor.,mkd.on brass cap ¼ S 12 in W half and S 7 in E half;from which

A pinon pine,8 ins.dia.,bears N.34°E.,31 lks. dist..mkd.¼ S 7 B T.

An oak,5 ins.dia.,bears S.26°30'W.,209 lks. dist..mkd.¼ S 12 B T.

42.30 Intersect Utah-Arizona bdy.,27.12 chs.E.of mile post 63,a sandstone,30x24x6 ins.,in mound of stone,firmly set,and mkd.and witnessed as described by the surveyor general. Set an iron post,3 ft.long,3 ins.in dia.,24 ins.in the ground,for closing cor.of Tps.44 S.,Rs.9 and 9½ W.,mkd.on brass cap

U T 44 S in N half.

C C A in S half,

R 9½ W S 12 in NW.;and

R 9 W S 7 in NE quadrants;from which

A pinon pine,5 ins.dia.,bears N.5°E.,251 lks. dist..mkd.T 44 S R 9 W S 7 B T.

An oak,5 ins.dia.,bears N.66°30'W.,95 lks. dist..mkd.T 44 S R 9½ W S 12 B T.

Land ,mountainous .

Soil,sandy loam;2nd rate.

Timber,cedar and pinon pine.

Undergrowth,sage and oak brush.

Good grass for grazing.

Mountainous land,or land covered with dense undergrowth, 42.30 chs.

July 17,1909.

Boundaries of T.44 S.,R.9 W.

Latitudes ,departures ,and closing errors.

Line designated	Course	Distance	Latitudes N.	Latitudes S.	Departures E.	Departures W.
		chs.	chs.	chs.	chs.	chs.
W.bdy.T.44 S.,R.9 W.	North	122.30	122.30			
N.bdy.T.44 S.,R.9 W.	East	478.92			478.92	
E.bdy.T.44 S.,R.9 W.	South	121.90		121.90		
Utah-Arizona bdy.	West	25.00				25.00
Utah-Arizona bdy.	S.89°58'W.	78.76		.05		78.76
Utah-Arizona bdy.	West	80.00				80.00
Utah-Arizona bdy.	S.89°57'W.	82.00		.07		82.00
Utah-Arizona bdy.	West	80.00				80.00
Utah-Arizona bdy.	S.89°57'W.	78.90		.07		78.90
Utah-Arizona bdy.	S.89°57'W.	54.06		.05		54.06
Convergency					.14	
Totals			122.30	122.14	479.06	478.72
			122.14		478.72	
Error in lat.			.16		.34	
Error in dep.					.34	

General Description.

For general description see notes of Subdivision of Tp.

July 17,1909.

Jos. A. Stewart

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 list of names and final oath of assistants see book "P", *Chainman.*

T. 42 S., R. 9 W., *Chainman.*

_____, *Moundman.*

_____, *Moundman.*

_____, *Axman.*

_____, *Axman.*

_____, *Flagman.*

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted _____, United States Deputy Surveyor, in surveying all those parts or portions of the _____ of the _____ meridian, _____ of _____, which are represented in the foregoing field notes as having been surveyed by him and under his direction; and that said survey has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the corner monuments established, according to the instructions furnished by the United States Surveyor General for _____

_____, *Chainman.*

_____, *Chainman.*

_____, *Moundman.*

_____, *Moundman.*

_____, *Axman.*

_____, *Axman.*

_____, *Flagman.*

Subscribed and sworn to before me this _____ day of _____, 19

SEAL

_____

_____

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BOOK A-[illegible]

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 _____ 19__, 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 oath of deputy see Book [illegible] 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.

_____
United States Deputy Surveyor.

Subscribed by said _____ and sworn to before me this _____ day of _____ 19__

_____

_____

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL.

Salt Lake City, Utah, June 27, 19[illegible].

The foregoing field notes of the survey of the Fourth and West Boundaries of Township No. 44 South, Range No. 6 West of the Salt Lake Base and Meridian, Utah,

executed by Scott B. Stewart and Frank C. French under his Contract No. 208 dated March 17, 19[illegible] having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

[signature]
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.

A-[illegible]

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BOOK A-353

H.

FIELD NOTES

retracement
OF THE ~~SURVEY~~ OF THE

UTAH - ARIZONA BOUNDARY

through

RANGE No. 9 WEST

Of the SALT LAKE BASE AND *Meridian,*

STATE OF UATH

AS SURVEYED BY

Scott P. Stewart and Frank C French, *United States Deputy Surveyor,*s

Under ~~the~~ their *Contract No.* 308, *dated* March 17, 1909. ~~196~~

Retracement
~~*Survey*~~ *commenced* July 18, 1909. ~~196~~

Retracement
~~*Survey*~~ *completed* July 18, 1909. ~~196~~

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NAMES AND DUTIES OF ASSISTANTS.

Quimby Stewart, Chainman,
Hillman Dalley, Chainman,
Rew Stewart, Moundman,
Stuart Horsley, Moundman,
Joseph Stevens, Axman,
Shirley C. Horsley, Flagman,

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BOOK A-353

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, Quimby Stewart and Hillman Dalley 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~~ retracement of the 64th, 65th, 67th and 69th miles on the Utah-Arizona Boundary line being on S. bdy of T. 44 S. R. 9 W. of Salt Lake Base and Meridian, Utah.

Quimby Stewart, Chainman.

Hillman Dalley, Chainman.

Subscribed and sworn to before me this 8th day of July, 1909.

SEAL

Scott P. Stewart
U. S. Deputy Surveyor

WE, Rew Stewart and Stuart Horsley 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~~ retracement of the 64th, 65th, 67th and 69th miles on the Utah-Arizona Boundary line, being on S. bdy. of T. 44 S. R. 9 W. of Salt Lake Base, and Meridian, Utah.

Rew Stewart, Moundman.

Stuart Horsley, Moundman.

Subscribed and sworn to before me this 8th day of July, 1909.

SEAL

Scott P. Stewart
U. S. Deputy Surveyor

~~WE,~~ I, Joseph Stevens ~~and~~ do solemnly swear that ~~we~~ I will well and truly perform the duties of axman in the establishment of corners and other duties, according to instructions given ~~us~~ me, to the best of ~~our~~ my skill and ability, in the ~~survey~~ retracement of the 64th, 65th, 67th and 69th miles on the Utah-Arizona Boundary line, being on S. bdy of T. 44 S. R. 9 W. of Salt Lake Base and Meridian, Utah.

Joseph Stevens, Axman.

, Axman.

Subscribed and sworn to before me this 8th day of July, 1909.

SEAL

Scott P. Stewart
U. S. Deputy Surveyor

I, Shirley C. Horsley, 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~~ retracement of the 64th, 65th, 67th and 69th miles on the Utah-Arizona Boundary line, being on S. bdy of T. 44 S. R. 9 W. of Salt Lake Base and Meridian, Utah.

Shirley C. Horsley Flagman.

Subscribed and sworn to before me this 8th day of July, 1909.

SEAL

Scott P. Stewart
U. S. Deputy Surveyor

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Survey commenced July 18,1909,and executed with a Young and Sons light mountain transit,No.7382,with solar attachment.The horizontal limb is provided with two double verniers placed opposite to each other,reading to single minutes of arc;which is also the least count of the latitude and declination arcs.

The instruemtn was examined,tested on the meridian at Salt Lake City,found correct,and was approved by the surveyor general for Utah,on July 3,1909.

Note:For complete test of instrument see notes of Sub. T.44 S.,R.9 W.;or N.bdy.of T.44 S.R.9 W.

July 18,1909:At 7 h 6 m a.m.,l.m.t.,I set off 37°00'N., on the lat.arc;21°07'N.,on the decl.arc;and determine a meridian with the solar,at the 63rd mile cor.,on the Utah-Arizona bdy.line,heretofore described.

Note:In order to account for the closings on the Utah - Arizona bdy.I proceed to retrace some of the miles as follows:

East,along 64th mile.

27.12 The closing cor.of Tps.44 S.,Rs.9 and 10 W.,bears N.2 lks dist., set by me and heretofore described.

81.18 Fall 7 lks.S.of the 64th mile cor.on the bdy.,which is amsandstone,6x15x6 ins.,above mound of stone,firmly set, and mkd.and witnessed as described by the surveyor general.

The course of this line is therefore N.89°57'E.,81.18 chs.

No change in topography from original notes.

East,on retracement line along the 65th mile.

78.90 Fall 7 lks.S.of the 65th mile cor.,on the bdy.,which is sandstone,10x14x6 ins.,above ground,firly set,and mkd.

Retracement of Utah-Arizona bdy. through Range 9 W.

Chains

and witnessed as described by the surveyor general.

The course of this line is therefore N.89°57'E.,78.90 chs.

July 18,1909:At the noon hour the sky is overcast and solar observations are impossible.

No change in topography from original notes.

From the 66th mile cor.on Utah-Arizona bdy.,which is a sandstone,8x14x7 ins.,above mound of stone,firmly set,and mkd.and witnessed as described by the surveyor general.

I run

East on a retracement line along the 67th mile.~~cor.~~

82.00 Fall 7 lks.S.of the 67th mile cor.,on the bdy.,which is a cross on a smooth rock,mkd.and witnessed as described by the surveyor general.

The course of this line is therefore N.89°57'E.,82.00 chs.

No change in topography from original notes.

From the 68th mile cor.on the Utah -Arizona bdy.,which is a sandstone,10x16x6 ins.,above ground,firmly set,and mkd.and witnessed as described by the surveyor general.

I run

East ,on a retracement line along the 69th mile.

78.76 Fall 5 lks.S.of the 69th mile cor.,which is an iron pipe 2 ins.in dia.,2 ft.above ground,firmly set,and mkd.and witnessed as described by the surveyor general.

The course of this line is therefore N.89°58'E.,78.76 chs.

No change in topography from original notes.

July 18,1909.

Retracement Utah-Arizona bdy.through Range 9 W.

Scott O. Stewart

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 Scott O. Stewart, United States Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the ~~survey~~ retracement of the 64th, 65th, 67th and 69th miles on the Utah-Arizona Boundary line, being on S. bdy of T. 44 S. R. 9 W. of Salt Lake Base and Meridian, Utah, showing the respective capacities in which they acted:

Quinby Stewart, Chainman.
Hillman Dalley, Chainman.
Ren Stewart, Moundman.
Stuart Horsley, Moundman.
Joseph Stevens, Axman.
Shirley C. Horsley, ~~Axman~~ Flagman.
, ~~Flagman~~.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted Scott O. Stewart, United States Deputy Surveyor, in ~~surveying~~ retracing all those parts or portions of the 64th, 65th, 67th, and 69th miles on the Utah-Arizona Boundary line, being on S. bdy of T. 44 R. 9 W. of the Salt Lake Base and meridian, State of Utah, which are represented in the foregoing field notes as having been surveyed by him and under his direction; and that said survey 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.

Quinby Stewart, Chainman.
Hillman Dalley, Chainman.
Ren Stewart, Moundman.
Stuart Horsley, Moundman.
Joseph Stevens, Axman.
Shirley C. Horsley, ~~Axman~~ Flagman.
, Flagman.

Subscribed and sworn to before me this 15th day of September, 1909.

SEAL

Scott O. Stewart
U. S. Deputy Surveyor.

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FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, [illegible], United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from [illegible] United States Surveyor General for [illegible] bearing date of the [illegible] day of [illegible], 19[illegible], 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 [illegible] the Manual of Surveying Instructions, and the laws of the United States ~~surveyed~~ [illegible] all those parts or portions of [illegible] [illegible] Boundary line, [illegible] [illegible]

[illegible] of the [illegible] Bay [illegible] meridian, in the [illegible] of [illegible] 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 surveys 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 [illegible] and in the specific manner described in the field notes, and that the foregoing are the original field notes of such ~~[illegible]~~ Retracement.

[illegible]
United States Deputy Surveyor.

Subscribed to and [illegible] and sworn to before [illegible] [illegible] [illegible] December, 19[illegible]

[illegible]
U.S. Surveyor-General
for Utah.

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, June 27 1910.

The foregoing field notes of the ~~[illegible]~~ Retracement of the 64th, 65th, 67th and [illegible] miles on the Utah-Arizona Boundary line, on S. Bay of [illegible] [illegible], [illegible] [illegible], [illegible] [illegible] [illegible] of the Salt Lake Base and Meridian [illegible].

Subscribed by [illegible] [illegible] and Frank S. French under [illegible] contract No. [illegible] dated [illegible] 17 [illegible], having been [illegible] approved, and the necessary corrections and explanations made, the said field notes, and the ~~[illegible]~~ [illegible] [illegible] are hereby approved.

[illegible]
United States Surveyor [illegible]

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

[illegible]
United States Surveyor General.

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BOOK A-353

L.

FILED
DEC 1 1909

FIELD NOTES

M. S. B.

OF THE SURVEY OF THE

SUBDIVISION

of

Township No. 44 South, Range No. 9 West

Of the Salt Lake Base and *Meridian,*

State of Utah

AS SURVEYED BY

Scott P. Stewart and Franck C French, *United States Deputy Surveyors,*

Under ~~his~~ their *Contract No.* 308, *dated* March 17, 1909.

Survey commenced July 29, 1909.

Survey completed August 4, 1909.

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NAMES AND DUTIES OF ASSISTANTS.

Quinby Stewart	Chainman
Hillman Dalley	Chainman
Ren Stewart	Moundman
Stuart Horsley	Moundman
Joseph Stevens	Axman
Shirley Horsley	Flagman

For preliminary affidavits see book "J" T.44 S., R.8 W.

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Volume
#
R0353

BOOK A-353

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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 ....., 19

.....

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 ....., 19

.....

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 ....., 19

.....

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 ....., 19

.....

SEAL

.....

Subdivision of T.44 S., R.9 W.

Survey commenced July 29,1909,and executed with a Young and Sons,light mountain transit,No.7382,with solar attachment.The horizontal limb is provided with two verniers placed opposite to each other,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 meridian at Salt Lake City,found correct,and was approved by the Surveyor general for Utah,on July 3,1909.

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

At the cor.of secs.1,2,35,and 36,on N.bdy.of Tp.,latitude 37°01'37"N.,longitude 112°46'47"W.,I set off 37°02'N., on the lat.arc;18°46'N.,on the decl.arc;and at 4 h 6 m p.m.,l.m.t.,I determine a meridian with the solar,and mark a point thereof on a stone firmly set in the ground, 5.00 chs.N.of the cor.

At 11 h 03 m p.m.,l.m.t.,I observe Polaris at eastern elongation in accordance with the Manual,and mark a point thereof on a stone firmly set in the ground,5.00 chs.N. of the cor.

July 29,1909.

July 30,1909:At 6 h 30 m a.m.,l.m.t.,I lay off the azimuth of Polaris 1°28.6 'to the west,and mark the meridian thus determined by cutting a small groove in the stone already set 5.00 chs.N.of the cor.;this mark falls 0.34 ins.east of the meridian determined by the solar.

Subdivision of T.44 S.,R.9 W.-Continued.

Chains	
	At 7 h 6 m a.m.,l.m.t.,I set off 37°02'N.,on the lat.arc; 18°37'N.,on the decl.arc;and determine a meridian with the solar and mark a point thereof by a cross on the stone already set 5.00 chs.N.of the cor.;this mark falls 0.40 ins.east of the meridian determined by Polaris observation.
	The solar apparatus by p.m.and a.m.observations defines positions for meridians respectively about 0'18"west and 0'21"east of the meridian determined by Polaris observation.;therefore I conclude that the adjustments of the transit are satisfactory.
	The magnetic bearing of the meridian at 7 h 30 m a.m.,is N.15°55'W.,the angle thus determined gives the mag.decl. 15°55'E.
	From the cor.of secs.1,2,35,and 36,on N.bdy.of Tp.,heretofore described.
	I run
	S.0°1'E.,bet.secs.1 and 2.
	Over rolling ground,through dense undergrowth and scattering timber .
	Asc.gently.
19.25	Fence,bears E.and W.
19.35	Begin rapid ascent,bears E.and W.
40.00	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor.,mkd.on brass cap ¼ S 2 in W half and S 1 in E.half;from which
	A cedar,12 ins.dia.,bears N.25°W.,226 lks. dist..mkd.¼ S 2 B T.
	A cedar,4 ins.dia.,bears S.34°E.,153 lks. dist..mkd.¼ S 1 B T.
45.00	Top of ridge,100 ft.above ¼ sec.cor.,bears E.and W.
	Desc.

Subdivision of T.44 S.,R.9 W.-Continued.

Chains	
57.25	Bottom of hollow,70 ft.below ridge,course NE.
80.00	Set an iron post,3 ft.long,2 ins.in dia.,24 ins.in the ground,for cor.of secs.1,2,11,and 12,mkd.on brass cap T 44 S S 2 in NW. R 9 W S 1 in NE. S 12 in SE.;and S 11 in SW.quadrants;from which A cedar,16 ins.dia.,bears S.11°30'E.,194 lks.dist.,mkd.T 44 S R 9 W S 12 B T. A cedar,6 ins.dia.,bears S.35°45'W.,69 lks. dist.,mkd.T 44 S R 9 W S 11 B T. No other trees within limits;dig pits,18x18x12 ins.in Secs.1 and 2,5½ ft.dist.; and raise a mound of earth, 3½ ft.base,1½ ft.high,W.of cor. Land,mountainous and rolling. Soil,sandy loam;2nd rate. Timber,cedar and pinon pine. Undergrowth,sage brush. Good grass for grazing. Mountainous land,or land covered with dense undergrowth, 80.00 chs.
	East,on a random line bet.secs.1 and 12.
40.00	Set temp.¼ sec.cor.
80.12	Intersect E.bdy.of Tp.,19 lks.N.of the cor.of secs.1, 6,7,and 12,heretofore described.
	Thence I run N.89°52'W.,on a true line bet.secs.1 and 12. Over mountainous land;through dense undergrowth and scattering timber. Desc.
13.50	Fence,bears NW and SE.

Subdivision of T.44 S., R.9 W.-Continued.

Chains	
14.50	Bottom of hollow, 50 ft. below sec. cor., course NW.
	Asc.
25.00	Top of Spur, 100 ft. above hollow, bears NE. and SW.
40.06	Set an iron post 3 ft. long, 1 in, in dia., 12 ins. in the ground, and surrounded by a mound of stone, for ¼ sec. cor., mkd. on brass cap, ¼ S 1 in N half and S 12 in S half; from which
	A cedar, 10 ins. dia., bears S. 70° W., 232 lks.. mkd. ¼ S 12 B T.
	A cedar, 5 ins. dia., bears N. 60° W., 261 lks. dist.. mkd. ¼ S 1 B T.
	It is impossible to set post 26 ins. in ground.
Desc. over ledges.	
42.30	Foot of ledge, bears NE. and SW.
64.65	Old road bears NE and SW.
80.12	The cor. of secs. 1, 2, 11, and 12.
	Land, mountainous.
	Soil, sandy loam and rocky; 2nd and 4th rate.
	Timber, cedar and pinon pine.
	Undergrowth, sage brush.
	Good grass for grazing.
	Mountainous land, or land covered with dense undergrowth, 80.12 chs.
	July 30, 1909; At this cor. I set off 18°33'N., on the decl. arc; and 0 h 6 m p.m., l.m.t., I observe the sun on the meridian, the resulting lat. is 37°01'N., which is the proper lat. nearly.

	S. 0°1'E., on a true line bet. secs. 11 and 12.
	Over mountainous land; through scattering undergrowth and heavy timber.
	Asc. over sandstone ledges.
6.00	Top of ridge, 50 ft. above sec. cor., bears E. and W.
	Desc.

Chains

18.40 Old road,bears NE and SW.

19.80 Bottom of hollow,40 ft. below ridge,course W.

Asc.

30.00 Top of spur,40 ft.above hollow,bears E.and W.

Desc.

37.25 Hollow,40 ft.below ridge,course S.

Desc.

39.25 Leave hollow,course SW.

Asc.

40.00 Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor..mkd.on brass cap ¼ S 11 in W half and S 12 in E.half;from which

A yellow pine,24 ins.in dia.,bears N.51°15'E. 297 lks.dist..mkd.¼ S 12 B T.

No other trees within limits;dig pits,18x18x12 ins. N. and S of post,3 ft.dist.;and raise a mound of earth,3½ ft.base,1½ ft.high,W.of cor.

From this cor.the Parashont spring bears N.42°45'W., 3.82 chs. dist.This is a very small spring.

42.10 Intersect Utah-Arizona bdy.line,23.66 chs.N.89°58'E.,of the 68th mile cor.,heretofore described .

Point for cor.falls in wash,about 100 lks.wide,and 6 ft. deep,course SW. It would be impossible to perpetuate a cor.at this point;therefore at this point I cut a cross on a smooth ledge in bottom of wash for the true cor. point for closing cor.;and at a point 100 lks.S.89°58'W., I set an iron post,3 ft.long,2 ins.in dia.,24 ins.in the ground,for witness cor.to closing cor.of secs.11 and 12, mkd.on brass cap

W C U in N half.

C C A in S.half,

T 44 S S 11 in NW.;and

R 9 W S 12 in NE;quadrants;from which

A yellow pine,24 ins.dia.,bears N.40°00'E.,

Subdivision of T.44 S.,R.9 W.-Continued.

Chains	
	516 lks.dist.,mkd.W C T 44 S R 9 W S 12 aB T.
	No other trees within limits;dig pits,24x18x12 ins.,crosswise on each line W.of post,3 ft.,dist.,and N.of post,7 ft.dist.;and raise a mound of earth,3½ ft.base,1½ ft.high, N.of cor.
	Land,mountainous.
	Soil,sandy loam and rocky;2nd and 4th rate.
	Timber,cedar,pinon pine and yellow pine.
	Undergrowth,sage brush.
	Good grass for grazing.
	Mountainous or heavily timbered land,42.10 chs.
	July 30,1909.

	July 31,1909:At 7 h 6 m a.m.,11m.t.,I set off 37°02'N., on the lat.arc;18°22'N.,on the decl.arc;and determine a meridian with the solar at the cor.of secs.2,3,34,and 35, on N.bdy.of Tp.,heretofore described.
	Thence I run
	S.0°1'E.,bet.secs.2 and 3.
	Over rolling ground,through dense undergrowth and scattering timber . Asc.gradually.
.06	Road,bears N.80°W.and N.80°E.
20.00	Begin more abrupt ascent,bears E.and W.
25.00	Top of ridge,40 ft.above sec.cor.,bears E.and W.
	Desc.
29.15	Bottom of hollow,25 ft.below ridge,course W.
	Asc.
30.00	Same hollow,course NE.
	Asc.
30.50	Same hollow,course NW.
	Asc.

Subdivision of T. 44 S., R. 9 W.- Continued.

Chains.	
40.00	Set an iron post 3 ft.long, 1 in.dia., 26 ins.in the ground, for ¼ sec.cor., mkd.on brass cap ¼ S 3 in W. half and S 2 in E.half; from which A pinon pine 6 ins.dia., bears N.82° 30'E. 18 lks. dist., mkd.¼ S 2 B T A pinon pine, 12 ins.dia.bears S.82° W. 32 lks. dist., mkd.¼ S 3 B T
45.00	Begin abrupt ascent, bears E. and W.
50.00	Begin more gradual ascent, bears E. and W.
72.50	Top of ridge, 100 ft.above hollow, bears N.80° E. and S.80° W.
	Desc.
80.00	Set an iron post 3 ft.long, 2 ins.dia., 24 ins.in the ground, for cor.of secs.2,3,10, and 11, mkd.on brass cap, T 44 S S 3 in NW. R 9 W S 2 in NE. S 11 in SE., and S 10 in SW.quadrants; from which A cedar 12 ins.dia.bears N.31° E. 91 lks.dist. mkd.T 44 S R 9 W S 2 B T A cedar 14 ins.dia.bears S.36° E. 72 lks.dist. mkd.T 44 S R 9 W S 11 B T A cedar 18 ins.dia. bears S.20° 30'W. 122 lks.dist. mkd.T 44 S R 9 W S 10 B T A pinon pine 10 ins.dia.bears N.41° W. 94 lks.dist. mkd.T 44 S R 9 W S 3 B T Land, mountainous and rolling. Soil, sandy loam and rocky; 2nd and 4th rate. Timber, cedar,pinon pine, and yellow pine. Undergrowth, sagebrush. Good grass for grazing. Mountainous land, or land covered with dense undergrowth

Subdivision of T. 44 S., R. 9 W.- Continued.

Chains	
	80.00 chs.
	East on a random line between secs.2 and 11,
40.00	Set temp. ¼ sec.cor.
80.06	Intersect N. and S.line 19 lks.N.of the cor.of.secs.1, 2,11, and 12. Thence I run
	N.89° 52'W.on true line bet.secs.2 and 11,
	Ascending over mountainous land; through dense underg growth and scattering timber.
15.00	Top of ridge, 30 ft.above sec.cor.bears N.30° E. and S.30° W. Desc.
27.00	Bottom of hollow, 30 ft.below ridge, course SW. Asc.
	Note: The Examiner of Surveys having found the ¼ sec. cor.not in proper place; therefore on April 13, 1910 I reset the ¼ sec.cor.post as follows:
40.03	Set an iron post 3 ft.long, 1 in.dia., 26 ins.in the ground, for ¼ sec.cor , mkd.on brass cap ¼ S 2 in N. half and S 11 in S.half; from which
	A cedar 14 ins.dia.bears N.75° 30'E. 80 lks.dist. mkd.¼ S 2 B T
	A pinon pine 4 ins.dia.bears S.37° 45'W. 72 lks. dist., mkd.¼ S 11 B T April 13, 1910.
40.50	Top of spur, 40 ft.above hollow, bears N. and S. Desc.
47.50	Bottom of hollow, 50 ft.below ridge,course SW. Asc.
75.00	Top of sandstone spur, 300 ft.above hollow,bears N. and S. Desc.
80.06	The cor.of secs.2,3,10, and 11.
	Land, mountainous.
	Soil, sandy loam; 2nd rate.
	Timber, cedar and pinon pine.
	Undergrowth sagebrush. Good grass for grazing.
	Mountainous land, or land covered with dense undergrowth 80.06 chs.

Subdivision of T.44 S., R.9 W.-Continued.

Chains

July 31,1909:At this cor.I set off 18°18'N.,on the decl. arc;and at o h 6 m p.m.,l.m.t.,I observe the sun on the meridian,the resulting lat.is 37°01'N.,which is the proper lat.nearly.

S.0°1'E.,on a true line bet.secs.10 and 11.

Over mountainous land;through scattering timber and dense undergrowth.

Desc.over ledges.

40.00 Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor.mkd.on brass cap ¼ S 10 in W half and S 10 in E half;from which

A pinon pine,6 ins.dia.,bears S.54°E.,22 lks. dist..mkd.¼ S 11 B T.

A cedar,5 ins.dia.,bears N.63°W.,45 lks. dist..mkd.¼ S 10 B T.

42.25 Intersect Utah-Arizona bdy.line,23.90 chs.East of the 67th mile post,heretofore described.

Set an iron post,3 ft.long,2 ins.in dia.,24 ins.in the ground,for closing cor.of secs.10 and 11,mkd.on brass cap

U in N half.

C C A in S half,

T 44 S S 10 in NW.;and

R 9 W S 11 in NE.quadrants;from which

A pinon pine,8 ins.dia.,bears N.12°00'E.,114 lks.dist..mkd.T 44 S R 9 W S 11 B T.

A pinon pine,16 ins.dia.,bears N.22°30'W.,53 lks.dist..mkd.T 44 S R 9 W S 10 B T.

Land,mountainous .

Soil,sandy loam;2nd rate.

Timber,cedar and pinon pine.

Subdivision of T.44 S.,R.9 W.-Continued.

Chains

Undergrowth,sage brush.

Good grass for gra zing.

Mountainous land,or land covered with dense undergrowth,

42.25 chs.

July 31,1909.

August 1,1909:At 7 h 6 m a.m.,l.m.t.,I set off 37°02'N., on the lat.arc;18°07'N.,on the decl.arc;and determine a meridian with the solar,at the cor.of secs.3,4,33,and 34,on N.bdy.of Tp.,heretofore described.

Thence I run

S.0°2'E.,bet.secs.3 and 4.

Over nearly livel land;through dense undergrowth and scattering timber.

Asc.gradually.

40.00 Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor.,mkd.on brass cap ¼ S 4 in W half and S 3 in E half;dig pits,18x18x12 ins.,N.and S.of post, 3 ft.dist.;and raise a mound of earth,3½ ft.base,1½ ft. high,W.of cor.

55.00 Road from Orderville to Kane Beds and St.George,bears NE and SW.

80.00 Set an iron post,3 ft.long,2 ins.in dia.,24 ins.in the ground,for cor.of secs.3,4,9,and 10,mkd.on brass cap

T 44 S S.4 in NW.

R 9 W S 3 in NE.

S 10 in SE.;and

S 9 in SW.quadrants;from which

A cedar,24 ins.dia.,bears N.31°30'E.,135 lks. dist..mkd.T 44 S R 9 W S 3 B T.

A cedar,12 ins.dia.,bears S.33°30'E.,145 lks. dist..mkd.T 44 S R 9 W S 10 B T.

A cedar,12 ins.dia.,bears S.55°W.,56 lks.

Subdivision of T.44 S.,R.9 W.-Continued.

Chains	
	mkd.T 44 S R 9 W S 9 B T.
	A cedar,10 ins.dia.,bears N.25°30'W.,163 lks.
	dist..mkd.T 44 S R 9 W S 4 B T.
	Land,rolling .
	Soil,sandy loam;2nd rate.
	Timber,cedar and pinon pine.
	Undergrowth,sage and cactus .
	Good grass for grazing.
	Land covered with dense undergrowth,80.00 chs.
	East,on a random line bet.secs.3 and 10.
40.00	Set temp.¼ sec.cor.
80.08	Intersect N.and S.line,12 lks.S.of the cor.of secs.2,3,10 and 11.
	Thence I run
	S.89°55'W.,on a true line bet.secs.3 and 10.
	Over mountainous land;through scattering timber and dense undergrowth.
	Desc.
40.04	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor..mkd.on brass cap ¼ S 3 in N half and S 10 in S half;from which
	An oak,6 ins.dia.,bears N.53°W.,158 lks.dist.
	dist.. mkd. ¼ S 3 B T.
	No other trees within limits;and raise amound of stone, 2 ft.base,1½ ft.high,N.of cor.
	August 1,1909:At this cor.I set off 18°03'N.,on the decl. arc.;and at 0 h 6 m p.m.11.m.t.,I observe the sun on the meridian,the resulting lat.is 37°01'N.,which is the proper lat.nearly.
77.00	Foot of ledge,20 ft.high,bears NE and SW.
	Thence over nearly ~~level land~~.

Subdivision of T.44 S.,R.9 W.-Continued.

Chains

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

Land,mountainous and rolling.

Soil,sandy loam;2nd rate.

Timber,cedar and pinon pine.

Undergrowth,sage brush.

Good grass for grazing.

Mountainous land,or land covered with dense undergrowth, 80.08 chs.

S.0°2'E.,on a true line bet.secs.9 and 10.

Over rolling ground;throughscattering timber and dense undergrowth.

Asc.

1.00 Begin ascent over ledges,bears NE and SW.

9.50 Foot of perpendicular ledge,150 ft.high,bears E.and W.

32.00 Sandstone ledge,50 ft.high,bears E.and W.

40.00 Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor. mkd.on brass cap ¼ S 9 in W half and S 10 in E half;from which

A pinon pine,8 ins.dia.,bears S.32°E.,32 lks. dist..mkd.¼ S 10 B T.

A pinon pine,10 ins.dia.,bears S.40°W.,12 lks.dist..mkd.¼ S 9 B T.

42.30 Intersect Utah-Arizona bdy.line,26.04 chs.,N.89°57'E.,of the 66th mile post;heretofore described.

Set an iron post,3 ft.long,2 ins.in dia.,24 ins.in the ground,for closing cor.of secs.9 and 10,mkd.on brass cap

U in N.half.

C C A in S.half,

T 44 S S 9 in NW.;and

R 9 W S 10 in NE.quadrants;and raise a mound of stone,2 ft.base,1 ½ ft.high,N.of cor.

Subdivision of T.44 S.,R.9 W.-Continued.

Chs.	
	Land ,mountainous and rolling .
	Soil,sandy loam;and rocky;2nd and 4th rate.
	Timber,cedar and pinon pine.
	Undergrowth,sage brush.
	Good grass for grazing.
	Mountainous land,or land covered with dense undergrowth, 42.30 chs.
	August 1,1909.
	August 2,1909:At 7 h 6 m a.m.,l.m.t.,I set off 37°02'N., on the lat.arc;17°52'N.,on the decl.arc;and determine a meridian with the solar,at the cor.of secs.4,5,32,and 33 on N.bdy.of Tp.,heretofore described.
	Thence I run
	S.0°3'E.,bet.secs.4 and 5.
	Over mountainous land;through scattering timber and dense undergrowth.
	Asc.
.60	Top of ridge,75 ft.above cor.,bears E.and W.
	Desc.
8.50	Bottom of hollow,125 ft.below ridge,course SE.
	Asc.
11.50	Top of spur,60 ft.above hollow,bears E.and W.
	Desc.
14.00	Bottom of hollow,35 ft.below spur,course S.60°E.
	Asc.
26.50	Bottom of hollow,50 ft.below last hollow,course E.
	Asc.
30.25	Top of spur,40 ft.above hollow,bears E.and W.
	Desc.
35.60	Bottom of hollow,40 ft.below spur,course E.

Subdivision of T.44 S.,R.9 W.-Continued.

Chs.	
	Asc.
40.00	Set an iron post,3 ft.long,1 in.in dia;,26 ins.in the ground,for ¼ sec.cor..mkd.on brass cap ¼ S 5 in W half and S 4 in E half ;dig pits,18x18x12 ins.N.and S.of Post 3 ft.dist;and raise a mound of earth,3½ f t.base,1½ ft. High,W.of cor.
54.00	Top of ridge,50 ft.above hollow,bears E.and W.
60.20	Wash,20 lks.wide,10 ft.deep,course S.60°E.
72.50	Bottom of hollow,50 ft.be low ridge,course E.
	Asc.
77.50	Top of ridge,30 ft.above hollow,bears E.and W.
	Desc.
80.00	Set an iron post,3 ft.long,2 ins.in dia.,24 ins.in the ground,for cor.of secs.4,5,8,and 9,mkd.on brass cap
	T 44 S S 5 in NW.
	R 9 W S 4 in NE.
	S 9 in SE.;and
	S 8 in SW.quadrants;from which
	A cedar,10 ins.dia.,bears S.64°W.,332 lks. dist.,mkd.T 44 S R 9 W S 8 B T.
	A cedar,10 ins.dia.,bears N.27°39'W.,171 lks. dist.;mkd.T 44 S R 9 W S 5 B T.
	No other trees within limits;dig pits,18x18x12 ins.,in secs.4 and 9,5½ ft.dist.;and raise a mound of earth,3½ ft. base,1½ ft.high,W.of cor.
	Land,mountainous .
	Soil,sandy loam and rocky;2nd and 4th rate.
	Timber,cedar and pinon pine.
	Undergrowth,sage brush.
	Good grass for grazing.
	Mountainous land,or land covered with dense undergrowth, 80.00 chs.

Subdivision of T.44 S.,R.9 W.-Continued.

Chs.	
	East,on a random line bet.secs.4 and 9.
40.00	Set temp.$\frac{1}{4}$ sec.cor.
80.00	Intersect N.and S.line,at the cor.of secs.3,4,9,and 10.
	Thence I run
	West,on a true line bet.secs.4 and 9.
	Over nearly level land;through dense sage brush and scattering timber .
	Asc.
29.45	Road from Orderville to Kane Beds and St.George,bears NE and SW.
35.50	Wash,60 lks.wide,5 ft.deep,course SE.
40.00	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for $\frac{1}{4}$ sec.cor.,mkd.on brass cap $\frac{1}{4}$ S 4 in N half and S 9 in S half;dig pits,18x18x12 ins.,E.and W.of post,;3 ft.dist.;and raise a mound of earth,$3\frac{1}{2}$ ft. base,$1\frac{1}{2}$ ft.high,N.of cor.
	August 2,1909:At this cor.I set off 17°48'N.,on the decl. arc;and at 0 h 6 m p.m.,l.m.t.,I observe the sun on the meridian,the resulting lat.is 37°01'N.,which is the proper lat.nearly.
51.75	Begin more abrupt ascent,bears N.30°E.and S.30°W.
80.00	The cor.of secs.4,5,8,and 9.
	Land,mountainous and rolling . Soil, sandy loam and rocky; 1st and 4th rates. Timber,cedar and pinon pine.
	Undergrowth,sage brush.
	Good grass for grazing.
	Mountainous land,or land covered with dense undergrowth, 80.00 chs.
	S.0°3'E.,on a true line bet.secs.8 and 9.
	Over mountainous land;through dense undergrowth.

Subdivision of T.44 S.,R.9 W.-Continued.

Chs.	
	Desc.gently.
40.00	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor..mkd.on brass cap ¼ S 8 in W half and S 9 in E half ;dig pits,18x18x12 ins.,N.and S.of post 3 ft.dist;and raise a mound of earth,3½ ft.base,1½ ft high,W.of cor.
42.20	Intersect Utah-Arizona bdy.line,26.02 chs.East of the 65 th mile post,heretofore described.
	Set an iron post,3 ft.long,2 in.in dia.,24 ins.in the ground,for closing cor.of secs.8 and 9,mkd.on brass cap U in N half. C C A in S half, T 44 S S 8 in NW.;and R 9 W S 9 in NE.quadrants;dig pits,24x18x12 ins.crosswise on each line,E and W. of post,3 ft.,and N of post,7 ft.dist.;and raise a mound of earth,4 ft.base 2 ft.high,W.of cor.
	Land,mountainous .
	Soil,sandy loam;2nd rate.
	No timber .
	Undergrowth,sage brush.
	Good grass for grazing.
	Mountainous land,or land covered with dense undergrowth, 42.20 chs.
	August 2,1909.

August 3,1909:At 7 h 6 m a.m.,l.m.t.,I set off 37°02'N.,o on the lat.arc;17°37'N.,on the decl.arc;and determine a meridian with the solar at the cor.of secs.5,6,31,and 32 on N.bdy.of Tp.,heretofore described.

Thence I run

Subdivision of T.44 S.,R.9 W.-Continued.

Chains	
	S.0°3'E.,bet.secs.5 and 6.
	Over mountainous land;through dense undergrowth and and scattering timber .
	Asc.gradually.
40;00	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor..mkd.on brass cap ¼ S 6 in W half and S 5 in E half;from which
	A pinon pine,18 ins.dia.,bears S.62°30'E.,91 lks.dist..mkd.¼ S 5 B T.
	A pinon pine,18 ins.dia.,bears N.65°W.,113 lks.dist..mkd.¼ S 6 B T.
55.00	Top of broad ridge,150 ft.above sec.cor.,bears N.10°E.and S.10°W.,
	Continue ascent.
76.00	Top of ridge,bears E.and W.
	Desc.rapidly.
80.00	Set an iron post,3 ft.long,2 ins.in dia.,24 ins.in the ground,for cor.of secs.5,6,7,and 8,mkd.on brass cap
	T 44 S S 6 in NW.
	R 9 W S 5 in NE.
	S 8 in SE.;and
	S 7 in SW.quadrants;from which
	A yellow pine,24 ins.dia.,bears N.16°E.,114 lks.dist..mkd.T 44 S R 9 W S 5 B T.
	A yellow pine,10 ins.dia.,bears S.3°E.,117 lks.dist..mkd.T 44 S R 9 W S 8 B T.
	A yellow pine,14 ins.dia.,bears S.21°W.,149 lks.dist..mkd.T 44 S R 9 W S 7 B T.
	A yellow pine,8 ins.dia.,beard N.64°30'W.,77 lks.dist..mkd.T 44 S R 9 W S 6 B T.
	Land,mountainous .
	Soil,sandy loam;2nd rate.
	Timber,cedar pinon pine,and yellow pine.
	Undergrowth,sage and oak brush.

Subdivision of T.44 S., R.9 W.-Continued.

Chs.	
	Good grass for grazing.
	Mountainous land, or land covered with dense undergrowth,
	80.00 chs.
	East, on a random line bet. secs. 5 and 8.
40.00	Set temp. ¼ sec. cor.
79.92	Intersect N. and S. line, 5 lks. S. of the cor. of secs. 4, 5, 8, and 9.
	Thence I run
	S. 89°58' W., on a true line bet. secs. 5 and 8.
	Over mountainous land; through scattering timber and scattering undergrowth.
	Ascend abruptly over sandstone ledges.
35.00	Top of ridge, 350 ft. above sec. cor., bears N. and S.
	Desc. abruptly.
39.00	Bottom of hollow, 25 ft. below ridge, course S.
	Asc.
39.96	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground, for ¼ sec. cor.. mkd. on brass cap ¼ S 5 in N half and S 8 in S half; from which
	A yellow pine, 12 ins. dia., bears N. 13°30' W., 70 lks. dist.. mkd. ¼ S 5 B T.
	A yellow pine, 10 ins. dia., bears S. 6° W., 84 lks. dist.. mkd. dist.. mkd. ¼ S 8 B T.
	August 3, 1909: At this cor. I set off 17°34' N., on the decl. arc; and at 0 h 6 m a.m., l.m.t., I observe the sun on the meridian, the resulting lat. is 37°01' N., which is the proper lat. nearly.
46.30	Top of spur, 40 ft. above hollow, bears NE and SW.
	Desc.
49.50	Bottom of hollow, 200 ft. below ridge, course S. 20° E.
	Asc.
75.00	Top of ridge, 500 ft. above hollow, bears N. and S.

Chains	
	desc.
79.92	The cor.of secs.5,6,7,and 8.
	Land,mountainous .
	Soil,sandy loam and rocky;2nd and 4th rate.
	Timber,yellow pine.
	Undergrowth,sage brush and larb.
	Good grass for grazing.
	Mountainous land ,79.92 chs.
	West,on a random line bet.secs.6 and 7.
40.00	Set temp.$\frac{1}{4}$ sec.cor.
79.10	Intersect W.bdy.of Tp.,at the cor.of secs.1,6,7,and 12. heretofore described.
	Thence I run
	East,on a true line bet.secs.6 and 7.
	Over mountaonous land;through scattering timber and scattering undergrowth.
	Asc.abruptly over ledges.
32.00	Enter bottom of canon,300 ft.above sec.cor.,course S.80° W.
	Asc.along bottom of hollow.
39.10	Falls in canon with solid sandstone sides and bottom, whereit is impossible to set the corner.Therefore I measure on to top of ledge at head of canon.
56.70	Top of perpendicular ledge,300 ft.high,bears N.and S. at head of canon.
	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for $\frac{1}{4}$ sec.cor.witness cor.to mkd.on brass cap WC$\frac{1}{4}$ S 6 in N half and S 7 in S.half; from which
	A yellow pine,8 ins.dia.,bears N.10°W.,37 lks. dist..mkd. W C $\frac{1}{4}$ S 6 B T.
	A yellow pine,12 ins.dia.,bears S.7°W.,151 lks.

Subdivision of T.44 S.,R.9 W.-Continued.

Chains	dist.;mkd.W C ¼ S 7 B T.
	Asc.more gradually over ledges.
72.00	Top of ridge,100 ft.above witness ¼ sec.cor.,bears N. and S.
	Desc.
75.00	Top of ledge,60 ft.high,bears N.and S.
77.50	Bottom of hollow,100 ft.below ridge,course S.
	Asc.
79.10	The cor.of secs.5,6,7,and 8.
	Land,mountainous .
	Soil,rocky;4th rate.
	Timber,yellow pine.
	Undergrowth,sage brush.
	No grass .
	Mountainous land,79.10 chs.

August 3,1909.

August 4,1909:At 7 h 6 m a.m.,l.m.t.,I set off 37°01'N., on the lat.arc;17°21'N.,on the decl.arc;and determine a meridian with the solar,at the cor.of secs.5,6,7,and 8.

Thence I run

S.0°3'E.,on a true line bet.secs.7 and 8.

Over mountainous land;through scattering timber and scattering undergrowth.

	Desc.over ledges.
16.50	Bottom of hollow,125 ft.below cor.,course SW.
	Asc.
27.25	Top of ridge,125 ft.above hollow,bears NE and SW.
	Desc.
40.00	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor. mkd.on brass cap ¼ S 7 in W half and S 8 in E half;from which

Chains	
	A yellow pine,10 ins.dia.,bears S.61°E.,88 lks.dist..mkd.¼ S 8 B T.
	A yellow pine,8 ins.dia.,bears N.43°30'W.,76 lks.dist..mkd.¼ S 7 B T.
42.25	Intersect Utah-Arizona bdy.line,at 24.94 chs.N.89°57'E., of the 64th mile cor.,heretofore described .
	Set an iron post,3 ft.long,2 ins.in dia.,12 ins.in the ground,surrounded by mound of stone,for closing cor.of sec.7 and 8,mkd.on brass cap
	U in N half
	C C A in S half,
	T 44 S S 7 in NW.;and
	R 9 W S 8 in NE.quadrants;from which
	A yellow pine,10 ins.dia.,bears N.23°E.,202 lks.dist..mkd.T 44 S R 9 W S 8 B T.
	A yellow pine,8 ins.dia.,bears N.45°30'W.,60 lks.dist..mkd.T 44 S R 9 W S 7 B T.

Land,mountainous .

Soil,sandy loam and rocky;2nd and 4th rate.

Timber,yellow pine.

Undergrowth,sage brush and larb.

Good grass for grazing.

Mountainous land,42.25 chs.

August 4,1909:At this cor.I set off 17°17'N.,on the decl. arc;and at 0 h 6 m p.m.,l.m.t.,I observe the sun on the meridian,the resulting lat.is 37°00'N.,which is the proper lat.nearly .

August 4,1909.

General Description.

This fractional township is rolling in the northeastern part and gets higher and rougher in the southern part

Subdivision of T.44 S.,R.9 W.Concluded.

and is very rough and precipitious in the western part.
The soil is generally sandy loam;2nd rate except in the extreme western part where it is mostly rocky;4th rate.
The timber is scattering cedar,and pine.
There is a dense undergrowth of sage brush with some oak and larb all over the township.
The only water in the township is the Parashont spring in sec.11.However the Kane Beds Ranch and springs are located only about one mile south of sec.8 ,and furnish watering places for many sheep and cattle.
There are no settlers in the township.
There is no mineral in the township.
No oil seeps or oil shale or other indications of oil were found by me in this township.

August 4,1909.

Scott P. Stewart
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:

....., *Chainman.*

For list of names and final oaths of assistants see book ....., *Chainman.*

"Q" T. 42 S., R. 9 W. ....., *Moundman.*

....., *Moundman.*

....., *Axman.*

....., *Axman.*

....., *Flagman.*

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted .....

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

.....

.....

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

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

....., *Chainman.*

....., *Chainman.*

....., *Moundman.*

....., *Moundman.*

....., *Axman.*

....., *Axman.*

....., *Flagman.*

.....

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

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 ....., 19 , 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 oath of deputy see book "Q" T. 42 S., R. 9 W.

..... 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.

.....
United States Deputy Surveyor.

Subscribed by said ....., and sworn to before me this ..... day of ....., 19

SEAL

.....

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, June 27, 1910.

The foregoing field notes of the survey of the subdivisional lines of Township No. 44 South, Range No. 9 West of the Salt Lake Base and Meridian, Utah,

executed by Scott P. Stewart and Frank C. French under his contract No. 308, dated March 17, 1909, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Thomas Hall
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-353

I.

FILED
DEC 15 1909

FIELD NOTES

K.J.B.

OF THE SURVEY OF THE

WEST AND NORTH BOUNDARIES

of

Township No.43 South, Range No.9 West,

Of the Salt Lake Base and *Meridian,*

State of Utah.

AS SURVEYED BY

Scott P. Stewart and Frank C French, *United States Deputy Surveyors*

Under ~~*his*~~ their *Contract No.* 308, *dated* March 17, 1909. ~~19~~

Survey commenced July 18, 1909. ~~19~~

Survey completed July 23, 1909. ~~19~~

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W. Bdy 5-71-55
N. Bdy 5-78-44

11-69-99

BOOK A-353

NAMES AND DUTIES OF ASSISTANTS.

John T.Jarvis	Chainman
M.Hyrum Harris	Chainman
William H.Stratton	Moundman
Edmund A.Hendrix	Moundman
John A.Humphries	Axman
Laurence C.Snow	Axman
Carl F.Eyring	Flagman

For preliminary affidavits see book "A" T. 44 S., R. 7 W.

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BOOK A-353

INDEX DIAGRAM.

Township 43 South, *Range* 9 West

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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 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 ....., 19

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 ....., 19

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 ....., 19

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 ....., 19

SEAL

West Bdy.of T.43 S.,R.9 W.

Survey commenced July 18,1909,and executed with a W.and L. E.Gurley Explorer's transit,No.957,with solar attachment. The horizontal limb is provided with two double vermiers placed opposite to each oter,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 meridian at Salt Lake City,found correct,and was approved by the surveyor general for Utah,on July 3,1909.

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 p.m.and a.m.hours,with a meridian established by Polaris observation,I proceed as follows:

At the cor.of Tps.43 and 44 S.,Rs.9 and 9½ W.,heretofore described ,latitude 37°01'37"N.,longitude 112°52'12"W.,I set off 37°02'N.,on the lat.arc; 21°02'N.,on the decl.arc; and determine a meridian with the solar at 4 h 6 m p.m.,l m.t.,and mark a point thereof on a stone firmly set in the ground,5.00 chs.N.of the cor.

At 11 h 46 m p.m.,l.m.t.,I observe Polaris at eastern elongation,in accordance with the Manual,and mark a point in the line thus determined,by a tack driven in a wooden plug set in the ground,5.00 chs.N.of the cor.

July 18,1909.

July 19,1909:At 6 h 30 m a.m.,l.m.t.,I lay off the azimuth of Polaris 1°28.6'to the west,and mark a point in the meridian thus determined,by cutting a small groove in the stone already set 5.00 chs.N.of the cor.;this mark falls 0.28 ins.east of the meridian determined by the solar.

West bdy.T.43 S.,R.9 W.-Continued.

Chains	
	At 7 h 6 m a.m.,l.m.t.,I set off 37°02'N.,on the lat. arc.20°56'N.,on the decl.arc;and mark the meridian determined by the solar,by a cross on the stone alfeady set 5.00 chs.N.of the cor.;this mark falls 0.22 ins.east of the meridian established by Polaris observation.
	The solar apparatus by p.m.and a.m.observations defines positions for meridian respectively about 0'15"west and 0'12"east of the meridian determined by Polaris observation;therefore I conclude that the adjustments of the instrument are satisfactory.
	The magnetic bearing of the meridian,at 7 h 30 m a.m., is N.16°00'W.,the angle thus determined gives the mag. decl.16°00'E.
	From the cor.of Tps.43 and 44 S.,Rs.9 and 9½ W.,heretofore described.
	I run
	North,bet.secs.31 and 36.
	Over mountainous land;through scattering timber and scattering undergrowth.
	Asc.gradually in Cottonwood Canon.
2.00	Leave canon,bears E.and W.
	Asc.abruptly.
21.00	Top of ridge,150 ft.above cor.,bears E.and W.
	Desc.gradually over numerous small gullies and washes.
40.00	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor..mkd.on brass cap ¼ S 36 in W half and S 31 in E half; from which
	A yellow pine,18 ins.dia.,bears S.42°45'E.,88 lks.dist..mkd.¼ S 31 B T.
	A yellow pine,16 ins.dia.,bears N,87°45'W.98 lks.dist..mkd.¼ S 36 B T.
42.00	Hollow,100 ft below ridge,course W. Asc.

West bdy.of T.43 S.,R.9 W.-Continued.

Chains	
65.50	Top of ridge,100 ft.above hollow,bears E.and W.
	Desc.
76.00	Foot of descent,enter canon,bears N.20°E.and S.30°W.
	Desc.gradually.
80.00	Set an iron post,3 ft.long,3 ins.in dia.,24 ins.in the ground,for cor.of secs.25,30,31,and 36,mkd.on brass cap
	T 43 S in N half
	R 9½ W S 25 in NW.
	R 9 W S 30 in NE.
	S 31 in SE.;and
	S 36 in SW.quadrants;from which
	An oak,5 ins.dia.,bears N.70°E,50 lks.
	dist..mkd.T 43 S R 9 W S 30 B T.
	A cedar,18 ins.dia.,bears S.35°E.,201 lks.
	dist..mkd.T 43 S R 9 W S 31 B T.
	A cedar,7 ins.dia.,bears N.7°40'W.,261 lks.
	dist..mkd.T 43 S R 9½ W S 25 B T.
	No other trees within limits;dig a pit,18x18x12 ins.,in sec.36,5½ ft.dist.;and raise a mound of earth,3½ ft. base,1½ ft.high,W.of cor.
	Land,mountainous
	Soil,sandy loam;2nd rate.
	Timber,pinon pine and yellow pine.
	Undergrowth,sage brush.
	Good grass for grazing.
	Mountainous land,80.00 chs.
	North,bet.secs.25 and 30.
	Over mountainous land;through scattering timber and scattering undergrowth.
	Asc.gradually.
1.00	Leave canon bottom,bears NE and SW.
	Asc.

West bdy. [illegible] of T.43 S R.9 W.-Continued.

Chains	
7.30	Top of ridge, 50 ft. above sec. cor., bears NE and SW.
	Desc.
14.00	Foot of descent, 40 ft. below ridge, bears N.30°E. and S.30° W.
	Enter bottom of Cottonwood canon.
17.50	Wash, 30 lks. wide, 2½ ft. deep, course S.30°W.
19.00	Leave canon, bears N.30°E. and S.30°W.
	Asc. abruptly over ledges.
40.00	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground, for ¼ sec. cor.. mkd. on brass cap ¼ S 25 in W half and S 30 in E half;
	A yellow pine 6 ins. dia. bears S.59° E. 69 lks. dist. mkd. ¼ S 30 B T
	A pinon pine 8 ins. dia. bears S.22° 00'W. 38 lks. dist., mkd. ¼ S 25 B T
59.00	Top of ridge, 750 ft. above canon, bears N.10°E and S.10°W.
	Desc.
76.00	Bottom of hollow, 100 ft. below ridge, course S.35°W.
	Asc.
80.00	Set an iron post, 5 ft. long, 3 ins. in dia., 12 ins. in the ground, and surrounded by mound of stone, for cor. of secs. 19, 24, 25, and 30, mkd. on brass cap
	T 43 S in N half.
	R 9½ W S 24 in NW.
	R 9 W S 19 in NE.
	S 30 in SE.; and
	S 25 in SW. quadrants; from which
	A yellow pine, 5 ins. dia., bears N.70°E., 50 lks. dist.. mkd. T 43 S R 9 W S 19 B T.
	A yellow pine, 6 ins. dia., bears S.12°15'E., 12 lks. dist.. mkd. T 43 S R 9 W S 30 B T.
	A yellow pine, 12 ins. dia., bears S.13°30'W., 23 lks. dist., mkd. T 43 S R 9½ W S 25 B T.
	A yellow pine. 10 ins. dia., bears N.40°W., 60 lks. dist.. mkd. T 43 S R 9½ W S 24 B T.
	Impossible to set post 24 ins. in the ground.

West bdy.T.43 S.,R.9 W.-Continued.

Chains	
	Land,mountainous .
	Soil,sandy loam;2nd rate.
	Timber,cedar,pinon pine,and yellow pine.
	Undergrowth,sage brush.
	Good grass for grazing.
	Mountainous land,80.00 chs.
	July 19,1909: At this cor.I set off 20°53'N.,on the decl.a arc;and at 0 h 6 m p.m.,l.m.t.,I observe the sun on the meridian ,the resulting lat.is 37°3'N.,which is the proper lat.nearly.
	North,bet.secs.19 and 24 .
	Over mountainous land;through scattering timber and scattering undergrowth.
	Asc.
12.00	Top of ridge,200 ft.above sec.cor.,bears NE and SW.
	Desc.
40.00	Set an iron post,3 ft.long,1 in.in dia.,14 ins.in the ground,and surrounded by mounded of stone,for ¼ sec.cor. mkd.on brass cap ¼ S 24 in W half;and S 19 in E half; impossible to set it 26 ins.in the ground.
	A yellow pine,12ins.dia.,bears N.54°E.,100 lks. dist..mkd.¼ S 19 B T.
	A yellow pine,14 ins.dia.,bears N.41°W.,105 lks.dist,,mkd.¼ S 24 B T.
50.00	Bottom of hollow,200 ft.below ridge,course SW.
	Asc.
58.00	Top of ridge,50 ft.above hollow,bears E.and W.
	Desc.
69.50	Bottom of hollow,60 ft.below ridge,course W.
	Asc.
70.00	Top of spur,20 ft.above hollow,bears E.and W.

West bdy.of T.43 S.,R.9 W.-Continued.

Chains	Desc.
70.50	Bottom of hollow,20 ft.below ridge,course S.60°W.
	Asc.
75.00	Top of ridge,40 ft.above hollow,bears SW and NE.
	Desc.
80.00	Set an iron post,3 ft.long,3 ins.in dia.,24 ins.in the ground,for cor.of secs.13,18,and 19,and 24 ,mkd.on brass cap

T 43 S in N half.

R 9½ W S 13 in NW.

R 9 W S 18 in NE.

S 19 in SE.;and

S 24 in SW.quadrants;from which

A yellow pine,7 ins.dia.,bears N.53°30'E.,75 lks.dist.,mkd.T 43 S R 9 W S 18 B T.

A yellow pine,10 ins.dia.,bears S.13°E.,185 lks.dist.mkd.T 43 S R 9 W S 19 B T.

A yellow pine,12 ins.dia.,bears S.67°30'W.,84 lks.dist..mkd.T 43 S R 9½ W S 24 B T.

A yellow pine,12 ins.dia.,bears N.44°W.,148 lks.dist..mkd.T 43 S R 9½ W S 13 B T.

Land,mountainous.

Soil,sandy loam;2nd rate.

Timber,cedar and pinon pine.,and yellow pine.

Undergrowth,sage and oak brush.

Good grass for grazing.

Mountainous land,80.00 chs.

July 19,1909.

July 20,1909:At 7 h 6 m a.m.,l.m.t.,I set off 37°04'N., on the lat.arc;20°45'N.,on the decl.arc;and determine a meridian with the solar,at the cor.of secs.13,18,19,and 24.

West bdy.of T.43 S.,R.9 W.-Continued.

Chains	
	Thence I run
	North,bet.secs.13 and 18.
	Over mountainous land;through heavy timber .
	Asc.over ledges.
6.75	Top of ridge,100 ft.above sec.cor.,bears E.and W.
	Desc.over ledges.
25.00	Head of hollow,20 ft.below ridge,course SW.
	Asc. Leave ledges,bears NE and SW.
33.00	Top of ridge,60 ft.above hollow,bears E.and W.
	Desc.
40.00	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor..mkd.on brass cap¼ S 13 in W half and S 18 in E half;from which
	A cedar,10 ins.dia.,bears N.77°E.,105 lks. dist..mkd.¼ S 18 B T.
	A cedar,14 ins.dia.,bears S.79°W.,23 lks. dist..mkd.¼ S 13 B T.
72.00	Bottom of hollow,70 ft.below ridge,course W.
	Asc.
75.00	Top of ridge,20 ft.above hollow,bears E.and W.
	Desc.
80.00	Set an iron post,3 ft.long,3 ins.dia.,24 ins.in the ground,for cor.of secs.7,12,13,and 18,mkd.on brass cap
	T 43 S in N half.
	R 9½ W S 12 in NW.
	R 9 W S 7 in NE.
	S 18 in SE.;and
	S 13 in SW.quadrants;from which
	A yellow pine,12 ins.dia.,bears N.37°E.,117 lks.dist..mkd.T 43 S R 9 W S 7 B T.
	A yellow pine,12 ins.dia.,bears S.67°E.,50 lks.dist..mkd.T 43 S R 9 W S 18 B T.
	A yellow pine,8 ins.dia.,bears S.73°W.,165 lks.dist..mkd.T 43 S R 9½ W S 13 B T.
	A yellow pine,14 ins.dia.,bears N.42°W.,150

West bdy.of T.43 S.,R.9 W.-Continued.

Chains	lks.dist..mkd.T 43 S R 9½ W S 12 B T.
	Land,mountainous.
	Soil,sandy loam and rocky;2nd and 4th rate.
	Timber,cedar and pinon pine.
	Good grass for grazing.
	Mountainous or heavily timbered land,80.00 chs.
	— —
	North,bet.secs.7 and 12.
	Over mountainous land;through heavy timber and scattering undergrowth.
	Desc.
7.40	Bottom of hollow,75 ft.below sec.cor.,course S.70°W.
	Asc.
9.50	Top of spur,50 ft.above hollow,bears E.and W.
	Desc.
10.10	Bottom of hollow,30 ft.below ridge,course W.
	Asc.
24.00	Top of ridge,150 ft.above hollow,bears E.and W.
	Desc.
26.00	Bottom of hollow,30 ft.below ridge,course W.
	Asc.
30.00	Top of ridge,30 ft.above hollow,bears E.and W.
	Desc.
36.50	Bottom of hollow,40 ft.below ridge,course S.30°W.
	Asc.
40.00	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor..mkd.on brass cap ¼ S 12 in W half and S 7 in E half;from which
	A yellow pine,16 ins.dia.,bears N.34°30'E.,89 lks.dist..mkd.¼ S 7 B T.
	A yellow pine,14 ins.dia.,bears S.72°W.,114 lks.dist..mkd.¼ S 12 B T.
75;00	Top of ridge,100 ft.above hollow,bears NE and SW.
	Desc.

West bdy.of T. 43 S.,R.9 W.-Continued.

Chains

80.00 Set an iron post,3 ft long,3 ins.dia.,24 ins.in the ground,for cor.of secs.1,6,7,and 12,mkd.on brass cap

T 43 SS in N half.

R 9½ W S 1 in NW.

R 9 W S 6 in NE.

S 7 in SE.;and

S 12 in SW.quadrants;from which

A yellow pine,12 ins.in dia.,bears N.71°E., 126 lks.dist..mkd.T 43 S R 9 W S 6 B T.

A yellow pine,24 ins.dia.,bears S.9°30'E.,396 lks.dist..mkd.T 43 S R 9 W S 7 B T.

A yellow pine,10 ins.dia.,bears S.64°W.,229 lks.dist..mkd.T 43 S R 9½ W S 12 B T.

A yellow pine,12 ins.dia.,bears N.79°30'W., 126 lks.dist..mkd.T 43 S R 9½ W S 1 B T.

Land,mountainous .

Soil,sandy loam;2nd rate.

Timber,cedar,pinon pine,and yellow pine.

Undergrowth,oak and sage brush.

Good grass for grazing.

Mountainous or heavily timbered land,80.00 chs.

July 20,1909:At this cor.I set off 20°42'N.,on the decl. arc;and at 0 h 6 m p;m.l.m.T.,I observe the sun on the meridian,the resulting lat.is 37°6'N.,which is the proper lat.nearly.

North,bet.secs.1 and 6.

Over mountainous land;through scattering timber and scattering undergrowth.

Asc.gradually.

33.20 Top of ridge,200 ft.above sec.cor.,bears E.and W.

Desc.

40.00 Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the

West bdy.of T.43 S.,R.9 W.-Continued.

Chains	
	ground,for ¼ sec.cor..mkd.on brass cap ¼ S 1 in W half and S 6 in E half;from which
	A yellow pine,18 ins.dia.,bears S.47°30'E.,94 lks.dist..mkd.¼ S 6 B T.
	A yellow pine,18 ins.dia.,bears N.31°W.,35 lks. dist.. mkd.¼ S 1 B T.
41.00	Enter bottom of hollow,100 ft.below ridge,course N.
	Desc.along bottom of hollow;
46.15	Leave bottom of hollow,course N.20°W.
	Asc.
47.65	Top of ridge;60 ft.above hollow,bears NW and SE.
	Desc.
53.15	Bottom of hollow,100 ft.below ridge,course NW.
	Asc.
54.60	Top of ridge;60 ft.above hollow,bears E.and W.
	Desc.
56.50	Bottom of hollow,200 ft.below ridge,course W. Asc.
61.60	Begin more gradual ascent, bears E. and W.
71.55	A distance equal to the length of the N.bdy.of the Tp.
	Set an iron post,3 ft.long,3 ins.dia.,24 ins.in the ground,for cor.of Tps.42 and 43 S.,Rs.9 and 9½ W.,mkd. on brass cap
	T 42 S in N half.
	T 43 S in S half.
	R 9½ W S 36 in NW.
	R 9 W S 31 in NE.
	R 9 W S 6 in SE.;and
	R 9½ W S 1 in SW.quadrants;from which
	A pinon pine,10 ins.dia.,bears S.5°30'E.,191 lks.dist..mkd.T 43 S R 9 W S 6 B T.
	A cedar,18 ins.dia.,bears S.65°W.,180 lks. dist..mkd.T 43 S R 9½ W S 1 B T.
	A cedar,15 ins.dia.,bears N.58°30'W.,167 lks.dist..mkd.T 42 S R 9½ W S 36 B T.
	No other trees within limits;raise a mound of stone,3 ft.

West bdy.of T.43 S.,R.9 W.-Concluded.

Chains.

base,1½ ft.high,W.of cor.

Land,mountainous .

Soil,sandy loam and rocky;2nd and 4th rate.

Timber,cedar,pinon pine,and yellow pine.

Mountainous land,71.55 chs.

Undergrowth sage and oak brush. July 20,1909.

North bdy.of T.43 S.,R.9 W.

July 21,1909:At 7 h 6 m a.m.,l.m.t.,I set off 37°07'N., on the lat.arc;20°34'N.,on the decl.arc;and determine a meridian with the solar,at the cor.of Tps.42 and 43 S., Rs.8 and 9 W.,heretofore described.

Thence I run

West,on a random line along North bdy.of Tp.,setting temp.¼ sec.and sec.cors.at intervals of 40.00 chs.,and at 478.44 chs.Intersect West bdy.of Tp.,28 lks.North of the cor.of Tps.42 and 43 S.,Rs.9 and 9½ W.,heretofore described. The falling answers to a correction of 5 lks. N.per mile or 2' counting from this cor.

July 21,1909.

July 22,1909:At 7 h 6 m a.m.,l.m.t.,I set off 37°07'N., on the lat.arc;20°22'N.,on the decl.arc;and determine

North bdy, of T.43 S.,R.9 W.,Continued.

Chains	
	a meridian with the solar,at the cor.of Tps.42 and 43 S., Rs.9 and 9½ W.
	Thence I run
	N.89°58'E.,on a true line bet.secs.6 and 31.
	Over mountainous land;through heavy timber .
	Asc.gradually; through scattering undergrowth.
14.44	Begin steeper ascent,bears N.and S.
33.40	Top of ridge,200 ft.above Tp.cor.,bears N.and S.
	Desc.gradually.
38.44	Set an iron post,3 ft.long,1 in.india.,26 ins.in the ground,for ¼ sec.cor..mkd.on brass cap ¼ S 31 in N.half and S 6 in S half;from which
	A cedar,12 ins.dia.,bears N.37°E.,48 lks. dist..mkd.¼ S 31 B T.
	A cedar,14 ins.dia.,bears S.79°50'E.,83 lks. dist..mkd.¼ S 6 B T.
78.44	Set an iron post,3 ft.long,3 ins.dia.,24 ins.in the ground,for cor.of secs.5,6,31,and 32,mkd.on brass cap
	T 42 S S 31 in NW.
	R 9 W S 32 in NE.
	R 9 W S 5 in SE.;and
	T 43 S S 6 in SW.quadrants;from which
	A cedar,16,ins.dia.,bears N.50°E.,35 lks. dist..mkd.T 42 S R 9 W S 32 B T.
	A cedar,12 ins.dia.,bears S.56°E.,83 lks. dist..mkd.T 43 S R 9 W S 5 B T.
	A cedar,10 ins.dia.,bears S.56°15'W.,31 lks. dist..mkd.T 43 S R 9 W S 6 B T.
	A cedar,14 ins.dia.,bears N.81°40'W.,119 lks. dist..mkd.T 42 S R 9 W S 31 B T.
	Land,mountainous .
	Soil,sandy loam;2nd rate.
	Timber,cedar and pinon pine.
	Undergrowth,oak and sage brush.
	Good grass for grazing.

North bdy.of T.43 S.,R.9 W; - Continued.

Chains	
	Mountainous or heavily timbered land,78.44 chs.
	———
	N.89°58'E.,on a true line bet.secs.5 and 32.
	Over mountainous land;through heavy timber.
	Desc.
4.00	Bottom of hollow,40 ft.below sec.cor.,course N.
	Asc.
7.00	Top of ridge,40 ft.above hollow,bears N.and S.
	Desc.
9.00	Bottom of hollow,40 ft.below ridge,course N.
	Asc.
20.00	Top of ridge,100 ft.above hollow,bears N.and S.
	Desc.
40.00	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor..mkd.on brass cap ¼ S 32 in N half and S 5 in S half;from which
	A pinon pine,14 ins.dia.,bears N.22°45'W.,78 lks.dist..mkd.¼ S 32 B T.
	A pinon pine,14 ins.dia.,bears S.9°W.,70 lks. dist..mkd.¼ S 5 B T.
80.00	Set an iron post,3 ft.long,3 ins.dia.,24 ins.in the ground,for cor.of secs.4,5,32,and 33,mkd.on brass cap
	T 42 S S 32 in NW.
	R 9 W S 33 in NE.
	R 9 W S 4 in SE.;and
	T 43 S S 5 in SW.;quadrants;from which
	A cedar,18 ins.dia.,bears N.56°15'E.,32 lks. dist..mkd.T 42 S R 9 W S 33 B T.
	A cedar,12 ins.dia.,bears S.26°10'E.,18 lks. dist..mkd.T 43 S R 9 W S 4 B T.
	A cedar,14 ins.dia.,bears S.69°W.,88 lks. dist..mkd.T 43 S R 9 W S 5 B T.
	A cedar,14 ins.dia.,bears N.29°W.,48 lks.

North bdy.of T.43 S.,R.9 W.-Continued.

Chains

dist..mkd.T 42 S R 9 W S 32 B T.

Land,mountainous .

Soil,sandy loam;2nd rate.

Timber,cedar and pinon pine.

Good grass for grazing.

Mountainous or heavily timbered land,80.00 chs.

July 22,1909:At the noon hour the sky is overcast and solar observations are impossible.

N.89°58'E.,on a true line bet.secs.4 and 33.

Over mountainous land;through dense sage brush and scattering timber .

Desc.

40.00 Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor..mkd.on brass cap ¼ S 33 in N half and S 4 in S half;dig pits,18x18x12 ins.E.and W.of post, 3 ft.dist.;and raise a mound of earth,3½ ft.base,1½ ft. high,N.of cor.

41.00 Foot of steep descent,bears N.and SW.

Desc.gradually over nearly level land;in hollow.

46.00 Leave hollow,80 ft.below sec.cor.,course N.

Asc.gradually.

80.00 Set an iron post,3 ft.long,3 ins.in dia.,24 ins.in the ground,for cor.of secs.3,4,33,and 34,mkd.on brass cap

T 42 S S 33 in NW.

R 9 W S 34 in NE.

R 9 W S 3 in SE.;and

T 43 S S 4 in SW.;quadrants;from which

A cedar,6 ins.dia.,bears N.31°40'E.,89 lks.

dist..mkd.T 42 S R 9 W S 34 B T.

A cedar,16 ins.dia.,bears S.60°30'E.,49 lks.

dist..mkd.T 43 S R 9 W S 3 B T.

North bdy.of T.43 S.,R.9 W.-Continued.

Chains	
	A cedar;6 ins.dia.,bears S.16°10'W.,117 lks. dist..mkd.T 43 S.R 9.W S 4 B T.
	A cedar,6 ins.dia.,bears N.34°50'W.,34 lks. dist..mkd.T 42 S.R 9.W S 33 B T.
	Land;mountainous and nearly level.
	Soil,sandy loam;2nd rate.
	Timber,cedar and pinon pine.
	Undergrowth,sage brush.
	Good grass for grazing.
	Mountainous land,or land covered with dense undergrowth, 80.00 chs.
	July 22,1909.
	July 23,1909:At 7 h 6 m a.m.,l.m.t.,I set off 37°07'N., on the lat.arc;20°10'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
	N.89°58'E.,on a true line bet.secs.3 and 34.
	Over rolling land;through dense undergrowth and scattering timber.
	Asc.gradually.
4.00	Top of ridge,30 ft.above sec.cor.,bears N.and S.
	Desc.
15.00	Bottom of hollow,30 ft.below ridge,course N.
	Asc.
22.00	Top of ridge,30 ft.above hollow,bears N.and S.
	Desc.
28.00	Road to Rock Canon Spring,bears N.20°W.and S.20°E.
37.50	Bottom of hollow,50 ft.below ridge,course N.
	Asc.
40.00	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor..mkd.on brass cap ¼-S 34 in N half and S 3 in S half;from which

North bdy.of T.43 S.,R.9 W.-Continued.

Chains	
	A cedar,12 ins.dia.,bears N.8°50'E.,128 lks. dist..mkd.¼ S 34 B T.
	A cedar,8 ins.dia.,bears S.28°W.,101 lks. dist..mkd.¼ S 3 B T.
77.00	Top of ridge,60 ft.above hollow,bears N.and S.
	Desc.
80.00	Set an iron post,3 ft.long,3 ins.dia.,24 ins.in the ground, for cor.of secs.2,3,34,and 35,mkd.on brass cap
	T 42 S S 34 in NW.
	R 9 W S 35 in NE.
	R 9 W S 2 in SE.;and
	T43 S S 3 in SW.;quadrants;from which
	A cedar,12 ins.dia.,bears S.45°30'E.,382 lks. dist..mkd. T 43 S R 9 W S 2 B T.
	A cedar,8 ins.dia.,bears S.8°30'W.,136 lks. dist..mkd.T 43 S R 9 W S 3 B T.
	No other trees within limits;dig pits,18x18x12 ins., in secs.34 and 35,5½ ft.dist;and raise a mound of earth, 4 ft.base, 2 ft.high,W.of cor.
	Land,mountainous
	Soil,sandy loam;2nd rate.
	Timber,cedar and pinon pine.
	Undergrowth,sage and oak brush.
	Good grass for grazing.
	Mountainous land,or land covered with dense undergrowth, 80.00 chs.

	N.89°58'E.,on a true line bet.secs.2 and 35.
	Over rolling mountainous land;through dense undergrowth and scattering timber .
	Desc.gradually.
34.00	Wash,30 lks.wide,20 ft.deep,in bottom of hollow,150 ft. below sec.cor.,course NW.Head of Rock Canon. Asc.

North bdy.of T.43 S.,R.9 W.-Continued.

Chains	
39.00	Begin more gradual asc.over rolling land.bears NW and SE.
40.00	Set an iron post,3 ft.long,1 in.india.,26 ins.in the ground,for ¼ sec.cor..mkd.on brass cap ¼ S 35 in N half and S 2 in S half;from which
	A cedar,8 ins.dia.,bears N.72°35'E.,115 lks.dist..mkd.¼ S 35 B T.
	A cedar,12 ins.dia.,bears S.19°40'W.,97 lks. dist..mkd.¼ S 2 B T.
70.10	Old road,bears NW and SE.
80.00	Set an iron post,3 ft.long,3 ins.dia.,24 ins.in the ground,for cor.of secs.1,2,35,and 36,mkd.on brass cap
	T 42 S S 35 in NW.
	R 9 W S 36 in NE.
	R 9 W S 1 in SE.;and
	T 43 S S 2 in SW.quadrants;from which
	A cedar,12 ins.dia.,bears N.53°40'E.,98 lks. dist..mkd.T 42 S R 9 W S 36 B T.
	A cedar,4 ins.dia.,bears S.78°E.,220 lks. dist..mkd.T 43 S R 9 W S 1 B T.
	No othertrees within limits;dig pits,18x18x12 ins.in secs. 2 and 35 ;5½ ft.dist;and raise a mound of earth,4 ft.based 2 ft.high,W.of cor.
	Land,rolling .
	Soil,sandy loam;2nd rate.
	Timber,cedar and pinon pine.
	Undergrowth,sage brush.
	Good grass for grazing.
	Land covered with dense undergrowth,80.00 chs.
	July 23,1909:At this cor.I set off 20°07'N.,on the decl. arc;and at o h 6 m p.m.,l.m.t.,I observe the sun on the meridian,the resulting lat.is 37°07'N.,which is the proper lat.nearly.

North bdy.of T.43 S.,R.9 W.-Continued.

Chains	
	N.89°58'E.,on a true line bet.secs.1 and 36.
	Over rolling ground,through dense undergrowth.
	Desc.gradually.
20.00	Enter,scattering timber,bears N.and S.
40.00	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor..mkd.pn brass cap ¼ S 36 in N half and S 1 in S half;dig pits,18x18x12 ins.,E and W.of post, 3 ft.dist;and raise a mound of earth,3½ ft.base,1½ ft. high,N.of cor.
53.00	Foot of descent,bears N.and S.30 ft.below ¼ sec.cor.
75.00	Wash,8 ft.deep,40 lks.wide,course S/
	As.gently.
80.00	The cor.of Tps.42 and 43 S.,Rs.8 and 9 W.,
	Land,nearly level.
	Soil,sandy loam;2nd rate.
	Timber,cedar .
	Undergrowth,sage and bitter brush.
	Good grass for grazing.
	Land covered with dense undergrowth,80.00 chs.

July 23,1909.

Boundaries of T.43 S.,R.9 W.

Latitudes,departures,and closing errors.

Line designated	Course	Distance	Latitudes N.	Latitudes S.	Departures E.	Departures W.
		chs.	chs.	chs.	chs.	chs.
W.bdy.T.43 S.,R.9 W.	North	471.55	471.55			
N.bdy.T.43 S.,R.9 W.	N.89°58'E.	478.44	.28		478.44	
E.bdy.T.43 S.R. 9 W.	South	471.55		471.55		
S.bdy.T.43 S.,R.9 W.	West	478.92				478.92
Convergency					.55	
Totals			471.83	471.55	478.99	478.92
			471.55		478.92	
Error in lat.			.28			
Error in dep.					.07	

Boundaries of T.43 S.,R.9 W.

Note:For general description see notes of Subdivision of T.43 S.,R.9 W.

July 23,1909.

Frank C Frenc

U.S.Deputy Surveyor .

Volume
#
R0353

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Page

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

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

....., 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 list of names and final oath of assistants see book "N" ....., *Chainman.*

T. 41 S., R. 9 W. ....., *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 .....

....., *Chainman.*

....., *Chainman.*

....., *Moundman.*

....., *Moundman.*

....., *Axman.*

....., *Axman.*

....., *Flagman.*

.....

bscribed and sworn to before me this .....

day of ....., 19

SEAL

.....

.....

9-161

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 ....., 19 , 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 oath of deputy see book "N" T. 41 S., R. 9 W.

..... 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.

.....
United States Deputy Surveyor.

Subscribed by said ....., and sworn to before me this ..... day of ....., 19 .

SEAL

.....

.....

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, June 27, 1910. xxx

The foregoing field notes of the survey of the West and North boundaries of Township No.43 South, Range No.9 West of the Salt Lake Base and Meridian, Utah,

executed by Scott P.Stewart and Frank C.French under ~~his~~ their contract No. 308, dated March 17, ..., 1909, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Thomas Dell
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-353

K.

FILED
DEC 15 1909

FIELD NOTES

M.S.B.

OF THE SURVEY OF THE

SUBDIVISION

of

Township No.43 South, Range No.9 West,

Of the Salt Lake Base and *Meridian,*

State of Utah

AS SURVEYED BY

Scott P.Stewart and Frank C.French, *United States Deputy Surveyor,*s

nder ~~his~~ their *Contract No.* 308, *dated* March 17,1909.

urvey commenced July 24,1909.

urvey completed August 12,1909.

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58-30-80

BOOK A-353

NAMES AND DUTIES OF ASSISTANTS.

John T.Jarvis	Chainman
M.Hyrum Harris	Chainman
William H.Stratton	Moundman
Edmund A.Hendrix	Moundman
John A.Humphries	Axman
Laurence C.Snow	Axman
Carl F.Eyring	Flagman

For preliminary affidavits see Book "D" T. 44 S., R. 7 W.

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BOOK A-353

INDEX DIAGRAM.

Township No.43 South, *Range* 9 West

6	70	5	50	4	37	3	24	2	13	1
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65		63		46		34		21		9
18	62	17	45	16	33	15	20	14	8	13
61		60		44		31		19		7
19	58	20	43	21	30	22	18	23	5	24
57		56		42		29		17		4
30	54	29	40	28	27	27	16	26	3	25
53		52		39		26		15		2
31	51	32	38	33	25	34	13	35	1	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 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 ....., 19

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 ....., 19

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 ....., 19

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 ....., 19

SEAL

Subdivision of T.43 S.,R.9 W.-Continued.

Chains	
	Survey commenced July 24,1909,and executed with a Gurley Explorer's transit,No.957,with solar attachment.The horizontal limb is provided with double verniers placed opposite to each other,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 meridian at Salt Lake City,found correct,and was approved by the surveyor general for Utah,on July 3,1909.
	At the cor.of secs.1,2,35,and 36,on S.bdy.of Tp.,heretofore described,latitude 37°01'37"N.,longitude 112°45'42" W.,I set off 37°02'N.,on the lat.arc;19 °58'N.,on the decl.arc;and at 7 h 6 m a.m.,l.m.t.,I determine a meridian with the solar;this meridian falls 0.30 ins.east of the groove cut in the stone set July 15,1909,by Deputy Stewart,established by Polaris observation;therefore I conclude that the adjustments of the transit are satisfactory.
	Note:For complete test of transit see notes of West bdy. of Tp.,43 S.,R.9 W. made July 18th and 19,1909.
	N.0°1'W.,bet.secs.35 and 36.
	Over nearly level land;through dense sage brush.
	Desc.gently.
4.60	Road from Orderville to Kane Beds and St.George,bears E.and W.
40.00	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor..mkd.on brass cap ¼ S 35 in W half and S 36 in E half;dig pits,18x18x12 ins.N.and S.of post, 3 ft.dist.;and raise a mound of earth,3 ½ ft.base,1½ ft.h high,W.of cor.
65.00	Enter scattering cedar timber,bears E.and W.
	Begin steep ascent,bears E.and W.
75.00	Top of steep ascent,50 ft.above foot,bears E.and W.
	Desc.gradually.

Subdivision of T.43 S.R.9 W.-Continued.

Chains	
80.00	Set an iron post,3 ft.long,2 ins.in dia.,24 ins.in the ground,for cor.of secs.25,26,35,and 36,mkd.on brass cap T 43 S S 26 in NW. R 9 W S 25 in NE. S 36 in SE.;and S 35 in SW.quadrants;from which A cedar,5 ins.dia.,bears N.52°40'E.,125 lks. dist..mkd.T 43 S R 9 W S 25 B T. A cedar,12 ins.dia.,bears S.7°E.,94 lks. dist., mkd.T 43 S R 9 W S 36 B T. A cedar,14 ins.dia.,bears S.76°10'W.,179 lks. dist..mkd.T 43 S R 9 W S 35 B T. A cedar,14 ins.dia.,bears N.41°50'W.,54 lks. dist..mkd.T 43 S R 9 W S 26 B T. Land,nearly level. Soil,sandy loam;2nd rate. Timber,cedar. Undergrowth,sage and bitter brush. Good grass for grazing. Land covered with dense undergrowth,80.00 chs.
	East,on a random line bet.secs.25 and 36.
40.00	Set temp.¼ sec.cor.
79.96	Intersect E.bdy.of Tp.,at the cor.of secs.25,30,31,and 36,heretofore described.
	Thence I run
	West,on a true line bet.secs.25 and 36.
	Over nearly level land;through dense undergrowth and scattering timber .
	Desc.gently.
13.71	Wash,10 ft.deep,60 lks.wide,course S.30°W.
39.98	Set an iron post,3 ft.long,1 in.in dia.,33 ins.in the

Subdivision of T.43 S.,R.9 W.-Continued.

Chains	
	ground,for ¼ sec.cor..mkd.on brass cap ¼ S 25 in W half and S 36 in S half;dig pits,18x18x12 ins.E.and W.of post, 3 ft.dist.;and raise a mound of earth,3½ ft.base,1½ ft. high,N.of cor.
66.97	Begin steep ascent,bears N.20°E.and S.20°W.
71.95	Top of steep ascent,bears N.10°E.and S.20°W.
	Desc.gradually.
79.96	The cor.of secs.25,26,35,and 36.
	Land,nearly level.
	Soil,sandy loam;2nd rate.
	Timber,cedar.
	Undergrowth,sage brush.
	Good grass for grazing.
	Land covered with dense undergrowth,79.96.chs.
	July 24,1909:At this cor.I set off 19°54'N.,on the decl. arc;and at 0 h 6 m p.m.,l.m.t.,I observe the sun on the meridian the resulting lat.is 37°02'N.,which is the proper lat.nearly.

	N.0°1'W.,bet.secs.25 and 26.
	Over rolling land;through scattering timber and dense sage brush.
	Desc.
8.50	Head of hollow,15 ft.below sec.cor.,course SW.
	Asc.gently.
22.00	Top of ridge,20 ft.above hollow,bears E.and W.
	Desc.
40.00	Set an iron post,3 ft.long,1 in.in dia.,26 ins.the ground,for ¼ sec.cor..mkd.on brass cap ¼ S 26 in W half and S 25 in E half;from which
	A cedar,5 ins.dia.,bears S.0°10'W.,245 lks. dist.mkd.¼ S 26 B T.
	No other trees within limits;dig pits,18x18x12 ins.

Subdivision of T.43 S.,R.9 W.-Continued.

Chains	
	N.and S.of post,3 ft.dist.;and raise a mound of earth,3½ ft.base,1½ ft.high,W.of cor.
42.00	Head of hollow,30 ft.below ridge,course S.80°W.
	Asc.
60.75	Top of ridge,30 ft.above hollow,bears N.80°E.and S.80°W.
	Desc.
80.00	Set an iron post,3 ft.long,2 ins.in dia.,24 ins.in the ground,for cor.of secs.23,24,25,and 26,mkd.on brass cap
	T 43 S S 23 in NW.
	R 9 W S 24 in NE.
	S 25 in SE.;and
	S 26 in SW.quadrants;from which
	A cedar,5 ins.dia.,bears N.27°10'E.,82 lks.
	dist..mkd.T 43 S R 9 W S 24 B T.
	A cedar,16 ins.dia.,bears S.80°50'E.,28 lks.
	dist..mkd.T 43 S R 9 W S 25 B T.
	A cedar,10 ins.dia.,bears S.58°10'W.,242 lks.
	dist..mkd.T 43 S R 9 W S 26 B T.
	A cedar,7 ins.dia.,bears N.33°20'W.,143 lks.
	dist..mkd.T 43 S R 9 W S 23 B T.
	Land rolling.
	Soil,sandy loam;2nd rate.
	Timber ,cedar and pinon pine.
	Undergrowth,sage brush.
	Good grass for grazing.
	Land covered with dense undergrowth,80.00 chs.
	East,on a random line bet.secs.24 and 25.
40.00	Set temp.¼ sec.cor.
80.02	Intersect E.bdy.of Tp.,7 lks.N.of the cor.of secs.19,24, 25,and 30,heretofore described.
	Thence I run
	N.89°57'W.,on a true line bet.secs.24 and 25.

Subdivision of T.43 S.,R.9 W.-Continued.

Chains	
	Over nearly level land;through dense undergrowth and scattering timber .
	Desc.gently.
3.15	Wash,225 lks.wide,15 ft.deep,course S.20°W.
	Asc.gently.
35.00	Top of small ridge,20 ft.above wash,bears N.and S.
	Desc.gently.
40.01	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor..mkd.on brass cap ¼ S 24 in N half and S 25 in S half;from which
	A cedar,5 ins.dia.,bears N.30°30'E.,110 lks. dist..mkd.¼ S 24 B T.
	A cedar,6 ins.dia.,bears S.67°20'W.,32 lks. dist..mkd.¼ S 25 B T.
80.02	The cor.of secs.23,24,25,and 26.
	Land,nearly level.
	Soil,sandy loam;2nd rate.
	Timber,cedar and pinon pine.
	Undergrowth,sage brush.
	Good grass for grazing.
	Land covered with dense undergrowth,80.02 chs.

July 24,1909.

July 25,1909:At 7 h 6 m a.m.,l.m.t.,I set off 37°03'N., on the lat.arc;19°45'N.,on the decl.arc;and determine a meridian with the solar,at the cor.of secs.23,24,25,and 26.

Thence I run

N.0°1'W.,bet.secs.23 and 24.

Over nearly level land;through dense undergrowth and scattering timber .

Asc.gently.

Subdivision of T.43 S.,R.9 W.-Continued.

Chains	
5.00	Edge of hollow, bears N.30°E.and S.30°W.
	Desc.
10.00	N.edge of hollow, 30 ft.below sec.cor., bears N30°E.andS30°W.
	Asc. gently.
15.00	Top of ridge, 40 ft.above hollow, bears N.30°W.and S.30°E.
	Desc.
26.90	Road to Willow Springs, bears N.40°E.and S.40°W.
40.00	Set an iron post, 3 ft.long, 1 in.in the dia., 26 ins.in the ground, for ¼ sec.cor., mkd.on brass cap ¼ S 23 in W half and S 24 in E.half; from which
	A lone cedar, 5 ins.dia., bears N.38°W., 142 lks.dist..mkd.¼ S 23 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.
80.00	Set an iron post, 3 ft.long, 2 ins.in dia., 24 ins.in the ground, for cor.of secs.13, 14, 23, and 24, mkd.on brass cap
	T 43 S S 14 in NW.
	R 9 W S 13 in NE.
	S 24 in SE.; and
	S 23 in SW.quadrants; from which
	A cedar, 12 ins.dia., bears N.63°05'E., 105 lks. dist..mkd.T 43 S R 9 W S 13 B T.
	A cedar, 14 ins.dia., bears S.48°10'E., 108 lks. dist..mkd.T 43 S R 9 W S 24 B T.
	A cedar, 8 ins.dia., bears S.42°40'W., 39 lks. dist., mkd.T 43 S R 9 W S 23 B T.
	A cedar, 5 ins.dia., bears N.55°30'W., 34 lks. dist..mkd.T 43 S R 9 W S 14 B T.
	Land, mearly level.
	Soil, sandy loam; 2nd rate.
	Timber, cedar and pinon pine.
	Undergrowth, sage brush.
	Good grass for grazing.

Subdivision of T.43 S.,R.9 W.-Continued.

Chains	
	Land covered with dense undergrowth,80.00 chs.
	S.89°57'E.,on a random line bet.secs.13 and 24.
40.00	Set temp.¼ sec.cor.
80.10	Intersect E.bdy.of Tp.,5 lks.S.of the cor.of secs.13,18, 19,and 24,heretofore described.
	Thence I run
	N.89°59'W.,on a true line,bet.secs.13 and 24.
	Over rolling land;through dense undergrowth and scattering timber.
	Desc.
2.80	Bottom of hollow,20 ft.below sec.cor.,course S.30°E.
	Asc.gently.
10.00	Top of ridge,30 ft.above hollow,bears N.and S.
	Desc.
17.60	Wash,10 lks.wide,3 ft.deep,in bottom of hollow,20 ft. below ridge,course S.
	Asc.
29.80	Top of ridge,30 ft above hollow,bears N.and S.20°W.
	Desc.
40.05	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor..mkd.on brass cap ¼ S 13 in N half and S 24 in S half;from which
	A cedar,6 ins.dia.,bears N.14°W.,90 lks. dist..mkd.¼ S 13 B T.
	A cedar,6 ins.dia.,bears S.39°E.,42 lks. dist..mkd.¼ S 24 B T.
45.00	Leave timber,bears N.and S.
60.65	Road to Willow springs,bears N.20°E.and S.20°W.
65.50	Wash,20 lks.wide,4 ft.deep,course S.20°W.
	Asc.
66.00	Enter scattering timber,bears N.and S.

Subdivision of T.43 S.,R.9 W.-Continued.

Chains	
80.10	The cor.of secs.13,14,23,and 24.
	Land,rolling .
	Soil,sandy loam;2nd rate.
	Timber,cedar and pinon pine.
	Undergrowth,sage brush.
	Good grass for grazing.
	Land covered with dense undergrowth,80.10 chs.
	July 25,1909:At this cor.I set off 19°41'N.,on the decl. arc;and at 0 h 6 m p,m.,l.m.t. I observe the sun on the meridian,the resulting lat.is 37°04'N.,which is the proper lat.nearly.
	N.0°1'W.,bet.secs.13 and 14.
	Over rolling land;through dense undergrowth and heavy timber .
	Asc.
10.00	Begin abrupt ascent over ledges,bears E.and W.
18.00	Top of ridge,200 ft.above sec.cor.,bears N.60°W.and S. 60°E.
	Desc.
38.50	Bottom of hollow,100 ft.below ridge,course E.
	Asc.
40.00	Set an iron post,3 ft.long,½ ins.in dia.,26 ins.in the ground,for ¼ sec.cor..mkd.on brass cap ¼ S 14 in W half and S 13 in E half;from which
	A cedar,8 ins.dia.,bears S.29°45'E.,14 lks. dist..mkd.¼ S 13 B T.
	A pinon pine,15 ins.dia.,bears S.77°40'W.,85 lks.dist..mkd.¼ S 14 B T.
68.00	Top of ridge,100 ft.above hollow,bears N.20°E.and S.20° W. Comes from NE point of cliffs.
	Leave ledges,bears N.20°E.and S.20°W.

Subdivision of T.43 S.,R.9 W.-Continued.

Chains	Desc.
75.20	SW wing of corral,main corral about 300lks.east .
80.00	Set an iron post,3 ft.long,2 ins.dia.,24 ins.in the ground,for cor.of secs.11,12,13,and 14,mkd.on brass cap
	T 43 S S 11 in NW.
	R 9 W S 12 in NE.
	S 13 in SE.;and
	S 14 in SW.quadrants;from which
	A cedar,28 ins.dia.,bears N.84°15'E.,275 lks.
	dist..mkd.T 43 S R 9 W S 12 B T.
	A cedar,14 ins.dia.,bears S.61°30'E.,42 lks.
	dist..mkd.T 43 S R 9 W S 13 B T.
	A cedar,18 ins.dia.,bears S.30°W.,156 lks.
	dist..mkd.T 43 S R 9 W S 14 B T.
	No other trees within limits;dig a pit,18x18x12 ins.,in sec.11;5½ ft.dist.;and raise a mound of earth,4 ft.base, 2 ft.high,W.of cor.
	Land,rolling and mountainous .
	Soil,sandy loam and rocky;2nd and 4th rate.
	Timber,cedar and pinon pine.
	Undergrowth,sage brush.
	Good grass for grazing.
	Mountainous or heavily timbered land,or land covered with dense undergrowth,80.00 chs.
	— —
	S.89°59'E.,on a random line bet.secs.12 and 13.
40.00	Set temp.¼ sec.cor.
80.04	Intersect E.bdy.of Tp.,7 lks.S.of the cor.of secs.7,12, 13,and 18.heretofore described.
	Thence I run
	S.89°58'W.,on a true line bet.secs.12 and 13.
	Over rolling land;through dense undergrowth.

Subdivision of T.43 S.,R.9 W.-Continued.

Chains	
	Desc.gradually.
35.00	Road to Willow Springs,bears N.and S.
	Asc.gently.
40.02	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor.,mkd.on brass cap ¼ S 12 in N half and S 13 in S.half;dig pits,18x12x12 ins.E.and W.of post; 3 ft.dist.;and raise a mound of earth,3 ½ ft.base,1½ ft. high,N.of cor.
60.00	Enter heavy timber,bears N.and S.
74.00	Top of ridge,30 ft.above ¼ sec.cor.,bears N.and S.
	Desc.
80.04	The cor.of secs.11,12,13,and 14.
	Land,rolling.
	Soil,sandy loam;2nd rate.
	Timber,cedar and pinon pine.
	Undergrowth,sage brush.
	Good grass for grazing.
	Heavily timbered land,or land covered with dense underg-growth,80.04 chs.
	July 25,1909.

July 26,1909:At 7 h 6 m a.m.,l.m.t.,I set off 37°05'N., on the lat.arc;19°32'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°1'W.,bet.secs.11 and 12.

Over rolling land;through dense undergrowth and scat-tering timber.

Asc.gradually.

5.00	Begin ascent of mountain,bears E.and W.
14.00	Begin ascent over ledges,bears E.and W.
14.60	Ledge,50 ft.high,bears E.and W.
20.00	Top of ledges,800 ft.above sec.cor.,bears N.20°E.and S.20°

Subdivision of T.43 S.,R.9 W.-Continued.

Chains	
	W.
	Asc.along top of ridge.
	Enter heavy timber,bears N.20°E.and S.20°W.
34.00	Leave top of ridge,bears N.20°W.and South.
	Desc.
40.00	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor..mkd.on brass cap ¼ S 11 in W half and S 12 in E half;from which
	A pinon pine,11 ins.dia.,bears N.87°35'E.,143 lks.dist..mkd.¼ S 12 B T.
	A cedar,12 ins.dia.,bears S.33°31'W.,94 lks. dist..mkd.¼ S 11 B T.
	Leave heavy and enter scattering timber,bears E.and W.
48.00	Begin abrupt descent over ledges,bears E.and W.
52.60	Foot of ledges,600 ft.below ridge,bears E.and W.
	Desc.gradually.
63.00	Foot of descent,bears E.and W.
	Enter nearly level land.
80.00	Set an iron post,3 ft.long,2 ins.in dia.,24 ins.in the ground,for cor.of secs.1,2,11,and 12.mkd.on brass cap
	T 43 S S 2 in NW.
	R 9 W S 1 in NE.
	S 12 In SE.;and
	S 11 in SW.;quadrants;from which
	A cedar,8 ins.dia.,bears S.68°55'W.,226 lks. dist..mkd.T 43 S R 9 W S 11 B T.
	A cedar,10 ins.dia.,bears N.31°30'W.,290 lks. dist.;mkd.T 43 S R 9 W S 2 B T.
	No other trees within limits;dig pits,18x18x12 ins.,in secs.1 and.12,;5½ ft.dist.;and raise a mound of earth, 4½ ft.base,12 ft.high,W.of cor.
	Land,mountainous and rolling.
	Soil,sandy loam;2nd rate and rocky;4th rate.
	Timber,cedar and pinon pine.
	Undergrowth,mahogany and sage brush.

Subdivision of T.43 S.,R.9 W.-Continued.

Chains	
	Good grass for grazing.
	Mountainous or heavily timbered land,or land covered with dense undergrowth,80.00 chs.
	N.89°58'E.,on a random line bet.secs.1 and 12.
40.00	Set temp.¼ sec.cor.
80.00	Intersect E.bdy.of Tp.,5 lks.N.of the cor.of secs.1,6,7, and 12.,heretofore described...
	Thence I run
	West,on a true line bet.secs.1 and 12.
	Over nearly level land;through dense sage and bitter brush.
	Desc.gently.
32.00	Road to Willow springs,bears N.20°E.and S.20°W.
40.00	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor..mkd.on brass cap ¼ S 1 in N half and S 12 in S half;dig pits,18x18x12 ins.E.and W.of post; 3 ft.dist.;and raise a mound of earth,3½ ft.base,1½ ft.high,N.of cor.
	Asc.
67.00	Enter scattering timber,bears N.and S.
80.00	The cor.of secs.1,2,11,and 12.
	Land,nearly level.
	Soil,sandy loam;2nd rate.
	Timber,cedar and pinon pine.
	Undergrowth,sage and bitter brush.
	Good grass for grazing.
	Land covered with dense undergrowth,80.00 chs.
	July 26,1909:At this cor.I set off 19°28'N.,on the decl. arc;and at 0 h 6 m p.m.,l.m.t.,I observe the sun on the meridian,the resulting lat.is 37°06'N.,which is the proper lat.nearly.

Subdivision of T.43 S.,R.9 W.-Continued.

Chains	
	N.0°1'W.,on a random line bet.secs.1 and 2.
40.00	Set temp.¼ sec.cor.
71.45	Intersect N.bdy.of Tp.,7 lks.E.of the cor.of secs.1,2,35, and 36,heretofore described.
	Thence I run
	S.0°4'E.,on a true line bet.secs.1 and 2.
	Over nearly level land;through dense sage and bitter brush and mountain rush;and scattering timber.Desc.gently.
10.50	Old road,bears N.60°W.and S.60°E.
11.00	Leave timber,bears E.and W.
31.45	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor. mkd.on brass cap ¼ S 2 in W half and S 1 in E half;dig pits,18x18x12 ins.N.and S.of post, 3 ft.dist.;and raise a mound of earth,3½ ft.base,1½ ft. high,W.of cor.
45.90	Road to Kane spring,bears N.75°W.and S.80°E.
46.55	Wash,20 lks.wide,4 ft.deep,course N.80°W.
	Asc.
61.45	Enter scattering timber,bears E.and W.
71.45	The cor.of secs.1,2,11,and 12.
	Land,rolling .
	Soil,sandy loam;2nd rate.
	Timber,cedar and pinon pine.
	Undergrowth,oak,sage,and bitter brush,and mountain rush.
	Good grass for grazing.
	Land covered with dense undergrowth,71.45 chs.
	July 26,1909.

July 27,1909:At 7 h 6 m a.m.,l.m.t.,I set off 37°02'N.,on the lat.arc;19°19'N.,on the decl.arc;and determine a meridian with the solar,at the cor.of secs.2,3,34,and 35, on S.bdy.of Tp.,heretofore described.

Subdivision of T.43 S.,R.9 W.-Continued.

Chains	
	Thence I run
	N.0°1'W.,bet.secs.34 and 35.
	Over rolling land;through scattering sage brush .
	Asc.
14.00	Top of ridge,30 ft.above sec.cor.,bears NE and SW.
	Enter scattering timber,bears NE and SW.
	Desc.gently.
40.00	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor..mkd.on brass cap ¼ S 34 in W half and S 35 in E half;dig pits,18x18x12 ins.,N.and S.of post, 3 ft.dist.;and raise a mound of earth,3½ ft.base, 1½ ft. high,W.of cor.
67.00	Bottom of hollow,20 ft.below ridge,course S.30°W.
	Asc.gently.
78.00	Top of ridge,70 ft.above hollow,bears N.15°E.and S.15°W.
	Desc.
80.00	Set an iron post,3 ft.long,2 ins.in dia.,24 ins.in the ground,for cor.of secs.26,27,24,and 35,mkd.on brass cap
	T 43 S S 27 in NW.
	R 9 W S 26 in NE.
	S 35 in SE.;and
	S 34 in SW.quadrants;from which
	A cedar,12 ins.dia.,bears N.45°E.,284 lks.
	dist..mkd.T 43 S R 9 W S 26 B T.
	A cedar,20 ins.dia.,bears S.9°E.,302 lks.
	dist..mkd.T 43 S R 9 W S 35 B T.
	A cedar,18 ins.dia.,bears S.29°W.,188 lks.
	dist..mkd.T 43 S R 9 W S 34 B T.
	A cedar,8 ins.dia.,bears N.54°W.,470 lks.
	dist..mkd.T 43 S R 9 W S 27 B T.
	Land,rolling .
	Soil,sandy loam;2nd rate.
	Timber,cedar and pinon pine.
	Undergrowth,sage brush.

Subdivision of T.43 S.,R.9 W.-Continued.

Chains	
	Good grass for grazing.
	East,on a random line bet.secs.26 and 35.
40.00	Set temp.¼ sec.cor.
80.06	Intersect N.and S.line,5 lks.N.of the cor.of secs.25,26, 35,and 36.
	Thence I run
	N.89°58'W.,on a true line bet.secs.26 and 35.
	Over rolling land;through scattering timber and scattering undergrowth.
	Desc.
8.00	Bottom of hollow,40 ft.below sec.cor.,course S.30°W.
	Asc.
40.03	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor..mkd.on brass cap ¼ S 26 in N half and S 35 in S half;from which
	A cedar,14 ins.dia.,bears N.52°35'E.,43 lks. dist.,mkd.¼ S 26 B T.
	A cedar,12 ins.dia.,bears S.5°30'W.,138 lks. dist..mkd.¼ S 35 B T.
46.00	Top of ridge,80 ft.above hollow,bears N.30°E.and S.30°W.
	Desc.
74.00	Bottom of hollow,80 ft.below ridge,course S.20°W.
	Asc.
79.50	Top of ridge,60 ft.above hollow,bears N.15°E.and S.15°W.
	Desc.
80.06	The cor.of secs.26,27,34,and 35.
	Land,rolling .
	Soil,sandy loam;2nd rate.
	Timber,cedar and pinon pine.
	Undergrowth,sage brush.

Subdivision of T.43 S.,R.9 W.-Continued.

Chains	
	Good grass for grazing.
	July 27,1909:At this cor.I set off 19°15'N.,on the decl. arc;and at 0 h 6 m p.m.,l.m.t.,I observe the sun on the meridian,the resulting lat.is 37°02'N.,which is the proper lat.nearly.
	N.0°1'W.,bet.secs.26 and 27.
	Over rolling land;through dense sage brush and scattering timber .
	Asc.gently.
17.40	Road to Willow springs,bears N.50°W.and S.50°E.
40.00	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor..mkd.on brass cap ¼ S 27 in W half and S 26 in E half;dig pits,18x18x12 ins.N.and S.of post, 3 ft.dist.;and raise a mound of earth,3½ ft.base,1½ ft. high,W.of cor.
79.00	Road to Willow springs,bears E.and W.
80.00	Set an iron post,3 ft.long,2 ins.in dia.,24 ins.in the ground,for cor.of secs.22,23,26,and 27,mkd.on brass cap T 43 S S 22 in NW. R 9 W S 23 in NE. S 26 in SE.;and S 27 in SW.quadrants;from which A cedar,30 ins.dia.,bears N.38°30'E.,47 lks. dist..mkd.T 43 S R 9 W S 23 B T. A cedar,5 ins.dia.,bears S.37°30'E.,33 lks. dist..mkd.T 43 S R 9 W S 26 B T. A cedar,16 ins.dia.,bears S.60°W.,32 lks. dist..mkd.T 43 S R 9 W S 27 B T. A cedar,18 ins.dia.,bears N.31°35'W.,30 lks. dist..mkd.T 43 S R 9 W S 22 B T.
	Land,rolling .
	Soil,sandy loam;2nd rate.

Subdivision of T.43.S.,R.9.W.-Continued.

Chains	
	Timber,cedar.
	Undergrowth,sage brush .
	Good grass for grazing.
	Land covered with dense undergrowth,80.00 chs.
	S.89°58'E.,on a random line bet.secs.23 and 26.
40.00	Set temp.¼ sec.cor.
80.00	Intersect N.and S.line,2 lks.N.of the cor.of secs.23,24, 25,and 26.
	Thence I run
	N.89°57'W.,on a true line bet.secs.23 and 26.
	Over rolling land;through dense undergrowth and scattering timber .
	Desc.
2.75	Wash,325 lks.wide,20 ft.deep,course S.20°W.
40.00	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor..mkd.on brass cap ¼ S 23 in N half and S 26 in S half;dig pits,18x18x12 ins.,E and W of post, 3 ft.dist.;and raise a mound of earth,3½ ft.base,1½ ft. high,N.of cor.
45.50	Road to Willow spring,bears N.75°E.and S.73°W.
56.00	Wash,8 ft.deep,15 lks.wide,course S.20°W. Ascend.
64.00	Top of ridge,20 ft.above wash,bears N.20°E.and S.20°W.
	Desc.
80.00	The cor.of secs.22,23,26,and 27.
	Land,rolling .
	Soil,sandy loam;2nd rate.
	Timber,cedar.
	Undergrowth,sage brush.
	Good grass for grazing.
	Land covered with dense undergrowth,80.00 chs.
	July 27,1909.

Subdivision of T.43 S.,R.9 W.-Continued.

Chains	
	July 28,1909:At 7 h 6 m a.m.,l.m.t.,I set off 37°03'N., on the lat.arc;19°05'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°1'W.,bet.secs.22 and 23.
	Over rolling land;through heavy timber and scattering undergrowth.
	Asc.gently.
40.00	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor..mkd.on brass cap ¼ S 22 in W half and S 23 in E half;from which
	A cedar,10 ins.dia.,bears S.45°E.,156 lks. dist..mkd.¼ S 23 B T.
	A cedar,12 ins.dia.,bears N.42°20'W.,20 lks. dist..mkd.¼ S 22 B T.
48.00	Top of ridge,100 ft.above sec.cor.,bears N.60°E.and S.60° W.
	Desc.
50.25	Bottom of hollow,40 ft.below ridge,course S.35°W. comes from N.
	Asc.along bottom of hollow.
53.00	Leave hollow,course S.,comes from N.10°E.
	Asc.
54.60	Top of ridge,50 ft.above hollow,bears N.10°W.and S.10°E.
	Desc.
75.00	Desc.abruptly ,bears N.10°W.and S.10°E.
76.10	Bottom of hollow,40 ft.below ridge,course S.10°E.
	Asc.
80.00	Set an iron post,3 ft.long,2 ins.dia.,24 ins.in the ground,for cor.of secs.14,15,22,and 23.,mkd.on brass cap
	T 43 S S 15 in NW.
	R 9 W S 14 in NE.
	S 23 in SE.;and

Subdivision of T.43 S.,R.9 W.-Continued.

Chains	
	S 22 in SW.quadrants;from which
	A cedar,10 ins.dia.,bears N.49°30'E.,48 lks.
	dist..mkd.T 43 S R 9 W S 14 B T.
	A cedar,12 ins.dia.,bears S.17°10'E.,72 lks
	dist..mkd.T 43 S R 9 W S 23 B T.
	A cedar,20 ins.dia.,bears S.31°20'W.,110 lks.
	dist.,mkd.T 43 S R 9 W S 22 B T.
	A cedar,18 ins.dia.,bears N.66°15'W.,168 lks.
	dist..mkd.T 43 S R 9 W S 15 B T.
	Land,mountainous and rolling.
	Soil,sandy loam;2nd rate.
	Timber,cedar and pinon pine.
	Undergrowth,sage brush.
	Good grass for grazing.
	Mountainous or heavily timbered land,80.00 chs.
	S.89°57'E.,on a random line bet.secs.14 and 23.
40.00	Set temp.¼ sec.cor.
79.96	Intersect N.and S.line,7 lks.S.of the cor.of secs.13,14, 23,and 24.
	Thence I run
	West,on a true line bet.secs.14 and 23.
	Over rolling foot hills;through dense sage brush and scattering timber .
	Desc.gently.
20.40	Wash,20 lks.wide,10 ft.deep,course S.10°W.
	Asc.gently.
30.00	Top of ridge,50 ft.above sec.cor.,bearse N.and S.
	Desc.
39.98	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor..mkd.on brass cap ¼ S 14 in N half and S 23 in S half;from which
	A cedar,5 ins.dia.,bears N.8°E.,168 lks.

Subdivision of T.43 S.,R.9 W.-Continued.

Chains	
	dist..mkd.¼ S 14 B T.
	No other trees within limits;dig pits,18x18x12 ins.E.and W.of post,3 ft.dist;and raise a mound of earth,3½ ft.base, 1½ ft.high,N.of cor.
41.00	Wash,20 lks.wide,4 ft.deep,course S.
	Asc.
45.00	Top of ridge,50 ftlabove wash,bears N.and S.
	Desc.gradual.
79.96	The cor.of secs.14,15,22,and 23.
	Land,mountainous and rolling .
	Soil,sandy loam;2nd rate.
	Timber,cedar and pinon pine.
	Undergrowth,sage brush
	Good grass for grazing.
	Mountainous land,or land covered with dense undergrowth, 79.96 chs.
	July 28,1909:At this cor.I set off 19°01'N.,on the decl. arc;and at 0 h 6 m p.m.,,l.m.t.,I observe the sun on the meridian ,the resulting lat.is 37°04'N.,which is the proper lat.nearly.

	N.0°1'W.,bet.secs.14 and 15.
	Over rolling land;through dense undergrowth and scattering timber .
	Asc.
15.00	Begin abrupt ascent,bears E.and W. over ledges.
25.65	Top of perpendicular ledge,150 ft.high,bears E.and W.
	Leave ledges and asc.gradually,bears E.and W.
32.25	Top of ridge,400 ft.above sec.cor.,bears N.85°E.and S. 85°W.
	Desc.gradually.
36.50	Begin abrupt descent over ledges,bears N.80°E.and S.80°W.

Subdivision of T.43 S., R.9 W. -Continued.

Chains	
40.00	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground, for ¼ sec. cor.. mkd. on brass cap ¼ S 15 in W half and S 14 in E half; from which
	A white pine, 12 ins. dia., bears N.46°E., 29 lks. dist.. mkd. ¼ S 14 B T.
	A cedar, 14 ins. dia., bears N.9°W., 145 lks. dist.. mkd. ¼ S 15 B T.
44.00	Foot of steep descent, leave ledges, bears E. and W.
	Desc. gradually.
80.00	Set an iron post, 3 ft. long, 2 ins. in dia., 24 ins. in the ground, for cor. of secs. 10, 11, 14, and 15, mkd. on brass cap
	T 43 S S 10 in NW.
	R 9 W S 11 in NE.
	S 14 in SE.; and
	S 15 in SW. quadrants; 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 loam; 2nd rate.
	Timber, cedar, pinon pine, and white pine.
	Undergrowth, sage and bitter brush.
	Good grass for grazing.
	Mountainous land, or land covered with dense undergrowth, 80.00 chs.
	East, on a random line bet. secs. 11 and 14.
40.00	Set temp. ¼ sec. cor.
79.92	Intersect N. and S. line, 7 lks. N. of the cor. of secs. 11, 12, 13, and 14.
	Thence I run
	N.89°57'W., on a true line bet. secs. 11 and 14.
	Over rolling land; through dense undergrowth,

Subdivision of T.43 S.,R.9 W.-Continued.

Chains

Desc.gently.

3.92 Enter scattering cedar timber,bears N.and S.

39.96 Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor..mkd.on brass cap ¼ S 11 in N half and S 14 in S half;dig pits,18x18x12 ins.E.and W.of post 3 ft.dist.;and raise a mound of earth,3½ ft.base,1½ ft/ high,N.of cor.

79.92 The cor.of secs.10,11,14,and 15.

Land,rolling .

Soil,sandy loam;2nd rate.

Timber,cedar and pinon pine.

Undergrowth,sage ,bitter,and oak brush.

Good grass for grazing.

Land covered with dense undergrowth,79.92 chs.

July 28,1909.

July 29,1909:At 7 h 6 m a.m .,l.m.t.,I set off 37°05'N., on the lat.arc;18°51'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°1'W.,bet.secs.10 and 11.

Over rolling land;through dense undergrowth and scattering pinon pine timber .

Asc.gradually.

40.00 Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor..mkd.on brass cap ¼ S 10 in W half and S 11 in E half;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.

66.00 Top of ridge,30 ft.above ¼ sec.cor.,bears E.and W.

Desc.

Subdivision of T.43 S.,R.9 W.-Continued.

Chains	
70.00	Road to Kane springs,bears N.60°E.and S.70°W.
80.00	Set an iron post,3 ft.long,2 ins.in dia.,24 ins.in the ground,for cor.of secs.2,3,10,and 11,mkd.on brass cap.
	T 43 S S 3 in NW.
	R 9 W S 2 in NE.
	S 11 in SE.;and
	S 10 in SW.quadrants;from which
	A cedar,14 ins.dia.,bears N.40°55'E.,81 lks. dist..mkd.T 43 S R 9 W S 2 B T.
	A cedar,10 ins.dia.,bears S.42°23'E.,83 lks. dist..mkd.T 43 S R 9 W S 11 B T.
	A cedar,8 ins.dia.,bears S.34°20'W.,53 lks. dist..mkd.T 43 S R 9 W S 10 B T.
	A cedar,11 ins.dia.,bears N.84°10'W.,82 lks. dist..mkd.T 43 S R 9 W S 3 B T.
	Land,rolling.
	Soil,sandy loam;2nd rate.
	Timber,cedar and pinon pine.
	Undergrowth,sage brush.
	Good grass for grazing.
	Land covered with dense undergrowth,80.00 chs.
	S.89°57'E.,on a random line bet.secs.2 and 11.
40.00	Set temp.¼ sec.cor.
79.77	Intersect N.and S.line,12 lks.S.of the cor.of secs. 1,2,11,and 12.
	Thence I run
	S.89°58'W.,on a true line bet.secs.2 and 11.
	Over rolling ground;through dense undergrowth.
	Desc.gently.
39.88½	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor..mkd.on brass cap ¼ S 2 in N half and S 11 in S half;dig pits,18x18x12 ins.,E.and W.of

Subdivision of T.43 S.,R.9 W.-Continued.

Chains	
	post,3 ft.dist.;and raise a mound of earth,3½ ft.base,
	1½ ft.high,N.of cor.
65.50	Road to Kane springs,bears N.60°E.and S.60°W.
79.77	The cor.of secs.2,3,10,and 11.
	Land,rolling .
	Soil,sandy loam;2nd rate.
	No timber .
	Undergrowth,sage brush.
	Good grass for grazing.
	Land covered with dense undergrowth,79.77 chs.
	July 29,1909At this cor.I set off 18°47'N.,on the decl.
	arc;and at 0 h 6 m p.m.,l.m.t.,I observe the sun on the
	meridian,the resulting lat.is 37°06'N.,which is the proper
	lat.nearly.

	N.0°1'W.,on a random line bet.secs.2 and 3.
40.00	Set temp.¼ sec.cor.
71.27	Intersect N.bdy.of Tp.,21 lks.N.89°58'E.,of the cor.of secs.
	2,3,34,and 35,heretofore described.
	Thence I run
	S.0°10'E. ,on a true line bet.secs.2 and 3.
	Over rolling land;through dense sage brush.
	Asc.
20.00	Top of ridge,100 ft.above cor.,bears E.and W.
	Enter heavy timber,bears E.and W.
	Desc.
31.27	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the
	ground,for ¼ sec.cor..mkd.on brass cap ¼ S 3 in W half
	and S 2 in E half;from which
	A cedar,18 ins.dia.,bears S.37°15'E.,101 lks.
	dist..mkd.¼ S 2 B T.
	A cedar,12 ins.dia.,bears S.23°30'W.,58 lks.
	dist..mkd.¼ S 3 B T.

Subdivision of T 43 S.,R.9 W.-Continued.

Chains	
51.60	Begin abrupt descent,bears E.and W.
60.00	Foot of abrupt descent,bears E.and W.
	Desc.gradually.
71.27	The cor.of secs.2,3,10,and 11.
	Land,rolling .
	Soil,sandy loam;2nd rate.
	Timber,cedar and pinon pine.
	Undergrowth,sage brush.
	Good grass for grazing.
	Mountainous or heavily timbered land,or land covered with dense undergrowth,71.27 chs.
	July 29.1909.
	July 30,1909:At 7 h 6 m a.m.,l.m t.,I set off 37°02'N., on the lat.arc;18°37'N.,on the decl.arc;and determine a meridian with the solar,at the cor.of secs.3,4,33,and 34,on S.bdy.of Tp.,heretofore described.
	Thence I run
	N.0°2'W.,bet.secs.33 and 34.
	Over rolling ground,;through scattering timber and dense Undergrowth.
	Asc.gently.
40.00	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor..mkd.on brass cap ¼ S 33 in W half and S 34 in E half;from which
	A cedar,4 ins.dia.,bears N.84°E.,103 lks. dist..mkd.¼ S 34 B T.
	A cedar,35 ins.dia.,bears S.53°W.,85 lks. dist.,mkd.¼ S 33 B T.
41.00	Begin ascent of mountain,bears E.and W.
52.00	Top of ridge,50 ft.above ¼ sec.cor.,bears E.and W.

Subdivision of T.43 S.,R.9 W.-Continued.

Chains	
62.00	Bottom of hollow,20 ft below ridge,course SE.
	Asc.
80.00	Set an iron post,3 ft.long,2 ins.dia.,24 ins.in the ground,for cor.of secs.27,28,33,and 34,mkd.on brass cap
	T 43 S S 28 in NW.
	R 9 W S 27 in NE.
	S 34 in SE.;and
	S 33 in SW;quadrants;from which
	A cedar,8 ins.dia.,bears N.46°E.,108 lks.
	dist..mkd.T 43 S R 9 W S 27 B T.
	A cedar,10 ins.dia. bears S.53°E.,115 lks.
	dist.mkd,T 43 S R 9 W S 34 B T.
	A pinon pine,9 ins.dia.,bears S.71°30'W.,205 lks.
	lks.dist..mkd.T 43 S R 9 W S 33 B T.
	A cedar,7 ins.dia.,bears N.62°30'W.,63 lks.
	dist..mkd.T 43 S R 9 W S 28 B T.
	Land,mountainous and rolling .
	Soil,sandy loam;2nd rate.
	Timber,cedar and pinon pine.
	Undergrowth ,sage brush.
	Good grass for grazing.
	Mountainous land,or land covered with dense undergrowth,
	80.00 chs.
	East,on a random line bet.secs.27 and 34.
40.00	Set temp.¼ sec.cor.
79.92	Intersect N.and S.line,at the cor.of secs.26,27,34,and 35.
	Thence I run
	West,on a true lin bet.secs.27 and 34.
	Over mountainous land;through scattering timber and
	dense undergrowth.
	Desc.
7.50	Bottom of hollow,30 ft.below sec.cor.,course S.

Subdivision of T.42 S. R.9 W.-Continued.

Chains	
	Asc.
39.96	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground, for ¼ sec.cor.. mkd. on brass cap ¼ S 27 in N half and S 34 in S half; from which
	A cedar, 24 ins. dia., bears N.21°E., 140 lks. dist.. mkd. ¼ S 27. B T..
	A cedar, 12 ins. dia., bears S.23°W., 167 lks. dist. mkd. ¼ S 34 B T..
46.00	Top of ridge, 100 ft above hollow, bears N. and S.
	Desc.
57.10	Wash, 60 lks. wide, 10 ft deep, course S.
62.40	Bottom of hollow, 50 ft below ridge, course S.
	Asc.
79.92	The cor. of secs. 27, 28. 33, and 34.
	Land, mountainous ..
	Soil, sandy loam; 2nd rate.
	Timber, cedar and pinon pine.
	Undergrowth, sage brush.
	Good grass for grazing.
	Mountainous land, or land covered with dense undergrowth, 79.92 chs.
	July 30, 1909: At this cor. I set off 18°33'N., on the decl. arc; and at 0 h 6 m p.m., l.m.t., I observe the sun on the meridian, the resulting lat. is 37°02'N., which is the proper lat. nearly.
	N.0°22'W., bet. secs. 27 and 28.
	Over rolling mountainous land; through dense undergrowth and scattering timber .
	Asc.
14.50	Top of ridge, 100 ft. above sec.cor., bears E. and W.
	Desc.
36.50	Bottom of hollow, 50 ft. below ridge, course S.60°E.

Subdivision of T.43 S.,R.9 W.-Continued.

Chains	
	Asc.
40.00	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor.,mkd.on brass cap ¼ S 28 in W half and S 27 in E half;from which
	A pinon pine,16 ins.dia.,bears S.10°E.89 lks. dist..mkd.¼ S 27 B T.
	A cedar,8 ins.dia.,bears N.41°W.,128 lks. dist..mkd.¼ S 28 B T.
49.30	Top of ridge,60 ft.above hollow,bears E.and W.
	Desc.
58.50	Bottom of hollow,30 ft.below ridge,course N.80°E.
	Asc.
74.00	Top of ridge,100 ft.above hollow,bears NE and SW.
	Desc.
80.00	Set an iron post,3 ft.long,2 ins.in dia.,24 ins.in the ground,for cor.of secs.21,22,27,and 28,mkd.on brass cap
	T 43 S S 21 In NW.
	R 9 W S 22 in NE.
	S 27 in SE.;and
	S 28 in SW.quadrants;from which
	A pinon pine,8 ins.dia.,bears N.71°15'E.,177 lks.dist..mkd.T 43 S R 9 W S 22 B T.
	A yellow pine,6 ins.dia.,bears S.84°E.,44 lks. dist..mkd.T 43 S R 9 W S 27 B T.
	A yellow pine,12 ins.dia.,bears S.23°50'W.,344 lks.dist..mkd.T 43 S R 9 W S 28 B T.
	A yellow pine,16 ins.dia.,bears N.54°25'W.,144 lks.dist..mkd.T 43 S R 9 W S 21 B T.
	Land,rolling mountains.
	Soil,sandy loam;2nd rate.
	Timber,cedar and pinon pine and yellow pine.
	Undergrowth,sage brush.
	Good grass for grazing.
	Mountainous land,or land covered with dense undergrowth, 80.00 chs.

Subdivision of T.43 S.,R.9 W.-Continued.

Chains	
	ooooo
	East,on a random line bet,secs.22 and 27.
50.00	Set temp.¼ sec.cor.
80.00	Fall 10 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.
	Over rolling land;through scattering timber and dense undergrowth.
	Desc.gently.
1.50	Road to Willow springs,bears NW and SE.
15.50	Road to Willow spring,bears N.50°W.and S.50°E.
17.00	Bottom of hollow,30 ft.below sec.cor.,course S.15°W.
	Asc.
21.00	Top of ridge,30 ft.above hollow,bears N.and S.
	Desc.
26.00	Bottom of hollow,50 ft.below ridge,course S.
	Willow spring is about 8.00 chs.N.of this point in this hollow,not seen from line.
	Asc.
37.00	Top of ridge,60 ft.above hollow,bears N.and S.
	Desc.
40.00	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor..mkd.on brass cap ¼ S 22 in N half and S 27 in S half;from which
	A cedar,18 ins.dia.,bears S.59°30'E.,114 lks. dist..mkd.¼ S 27 B T.
	A cedar,8 ins.dia.,bears N.44°30'W.,65 lks. dist..mkd.¼ S 22 B T.
52.00	Bottom of hollow,30 ft.below ridge,course S.30°E.
	Asc.
58.00	Top of spur,30 ft.above hollow,bears N.and S.
	Desc.

Subdivision of T.43 S.,R.9 W.-Continued.

Chains	
60.00	Bottom of hollow,30 ft.below ridge,course S^{E}.
	Asc.
80.00	Point 200 ft.above hollow.
	The cor.of secs.21,22,27,and 28.
	Land,rolling and mountainous
	Soil,sandy loam;2nd rate.
	Timber, cedar and pinon pine.
	Undergrowth,sage brush.
	Good grass for grazing.
	Mountainous land,or land covered with dense undergrowth
	80.00 chs.
	July 30,1909.

July 31,1909:At 7 h 6 m a.m.,l.m.t.,I set off 37°03'N.,on the lat.arc;18°22'N.,on the decl.arc;and determine a meridian with the solar,at the cor.of secs.21,22,27,and 28.

Thence I run

N.0°2'W.,bet.secs.21 and 22.

Over mountainous land;through scattering timber and dense undergrowth.

Desc.

32.00	Bottom of hollow,30 ft.below sec.cor.,course S.60°E.
	Asc.
34.30	Road fraom Willow Spring to Kane Spring,bears NW and SE.
40.00	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor..mkd.on brass cap ¼ S 21 in W half and S 22 in E half;from which
	A cedar,9 ins.dia.,bears N.16°30'E.,283 lks. dist..mkd.¼ S 22 B T.
	A cedar,5 ins.dia.,bears S.24°40'W.,35 lks. dist..mkd.¼ S 21 B T.

Subdivision of T.43 S.,R.9 W.-Continued.

Chains

66.00 Begin steeper ascent,bears E.and W.

80.00 Set an iron post,3 ft.long,2 ins.,in dia.,24 ins.in the ground,for cor.of secs.15,16,21,and 22,mkd.on brass cap

T 43 S S 16 in NW.

R 9 W S 15 in NE.

S 22 in SE.;and

S 21 in SW.;quadrants;from which

A yellow pine,18 ins.dia.,bears N.15°E.,64 lks.dist.,mkd.T 43 S R 9 W S 15 B T.

A yellow pine,18 ins.dia.,bears S.12°E.,156 lks.dist..mkd.T 43 S R 9 W S 22 B T.

A pinon pine,10 ins.dia.,bears S.77°W.,5 lks. dist..mkd.T 43 S R 9 W S 21 B T.

A yellow pine,15 ins.dia.,bears N.81°30'W.,134 lks.dist..mkd.T 43 S R 9 W S 16 B T.

Land,mountainous .

Soil,sandy loam;2md rate.

Timber,cedar,pinon pine, and yellow pine.

Undergrowth,sage and oak brush.

Good grass for grazing.

Mountainous land,or land covered with dense undergrowth, 80.00 chs.

S.89°56'E.,on a random line bet.secs.15 and 22.

40.00 Set temp.¼ sec.cor.

80.10 Intersect N.and S.line,5 lks.S.of the cor.of secs.14,15, 22,and 23.

Thence I run

N.89°58'W.,on a true line bet.secs.15 and 22.

Over mountainous land;through heavy timber and scattering sage brush..

Desc.

Subdivision of T.43 S., R.9 W.-Continued.

Chains	
.20	Bottom of hollow,10 ft.below sec.cor.,course S.10°E.
	Asc.
7.00	Top of ridge,60 ft.above hollow,bears N and S.
15.00	Bottom of hollow,40 ft.below ridge,course S.
	Asc.
20.00	Top of ridge,50 ft.above hollow,bears N.and S.
	Desc.
23.00	Bottom of hollow,40 ft.below ridge,course S.
	Asc.
31.50	Top of ridge,50 ft.above hollow,bears N.and S.
	Desc.
34.00	Bottom of hollow,40 ft.below ridge,course S.
	Asc.
37.00	Top of ridge,60 ft.above hollow,bears N.and S.
	Desc.
39.50	Bottom of hollow,40 ft.below ridge,course S.
	Asc.
40.05	Set an iron post,3 ft.long.1 in.in dia.,26 ins.in the ground,for ¼ sec.cor..mkd.on brass cap ¼ S 15 in N half and S 22 in S half;from which
	A yellow pine.20 ins.dia.,bears N.74°10°W.,265 lks.dist..mkd.¼ S 15 B T.
	A yellow pine,12 ins.dia.,bears S.72°20'W.,163 lks.dist..mkd.¼ S 22 B T.
68.00	Top of ridge,500 ft.above hollow,bears N.20°E.and S.20°W.
	Desc.abruptly.
80.10	The cor.of secs. 15.16,21,and 22.
	Land,mountainous .
	Soil,sandy and rocky;2nd and 4th rate.
	Timber,cedar,pinon pine,and yellow pine.
	Undergrowth,sage brush.
	Good grass for grazing.
	Mountainous or heavily timbered land,80.10 chs.
	July 31,1909:At this cor.I set off 18°18'N.,on the decl.

Subdivision of T.43 S.,R.9 W.-Continued.

Chains

arc;and at 0 h 6 m p.m.,l.m.t.,I observe the sun on the meridian,the resulting lat.is 37°04'N.,which is the proper lat.nearly.

N.0°2'W.,bet.secs.15 and 16.

Over mountainous land;through dense undergrowth and scattering timber .

Asc.

13.00 Top of ridge,300 ft.above sec.cor.,bears E.and W.

Desc.

40.00 Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor..mkd.on brass cap ¼ S 16 in W half and S 15 in E half;from which

A pinon pine,6 ins.dia.,bears S.31°E.,215 lks. dist..mdk.¼ S 15 B T.

A pinon pine,14 ins.dia.,bears N.48°W.,139 lks. dist..mkd.¼ S 16 B T.

43.00 Foot of steep descent,bears E.and W.

Desc.gradually over rolling ground.

75.60 Bottom of hollow,300 ft.below ridge,course E.

Asc.

76.90 Road to Kane spring,bears N.80°E.and S.80°W.

80.00 Set an iron post,3 ft.long,2 ins.dia.,dia.,24 ins.in the ground,for cor.of secs.9,10,15,and 16,mkd.on brass cap

T 43 S S 9 in NW.

R 9 W S 10 in NE.

S 15 in SE.;and

S 16 in SW.;quadrants;from which

A cedar,8 ins.dia.,bears N.47°45'E.,297 lks. dist..mkd.T 43 S R 9 W S 10 B T.

A cedar,30 ins.dia.,bears S.75°36'E.,103 lks. dist..mkd.T 43 S R 9 W S 15 B T.

A cedar,16 ins.dia.,bears S.28°15'W.,170 lks.

Subdivision of T.43 S.,R.9 W.-Continued.

Chains	
	dist.,mkd.T 43 S R 9 W S 16 B T.
	A cedar,19 ins.dia.,bears N.25°45'W.,357 lks.
	dist..mkd.T 43 S R 9 W S 9 B T.
	Land,mountainous and rolling .
	Soil,sandy loam;2nd rate.
	Timber,cedar,pinon pine,and yellow pine.
	Undergrowth,sage and bitter brush
	Good grass for grazing.
	Mountainous land,or land covered with dense undergrowth,
	80.00 chs.
	S.89°58'E.,on a random line bet.secs.10 and 15.
40.00	Set temp./ ¼ sec.cor.
80.00	Intersect N.and S.line,5 lks.S.of the cor.of secs.10,11, 14,and 15.
	Thence I run
	West,on a true line bet.secs.10 and 15.
	Over rolling land;through dense sage and oak brush and mountain rush.
	Desc.gently.
35.00	Wash,5 lks.wide,1 ft.deep,course N.10°W.
	This is lowest point of line.
	Asc.gently.
40.00	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.for..mkd.on brass cap ¼ S 10 in N half and S 15 in S half;dig pits,18x18x12 ins.E.and W.of post, 3 ft.dist.;and raise a mound of earth,3½ ft.base,1½ ft.high,N.of cor.
69.75	Road to Kane spring,bears NE and S.80°W.
80.00	The cor.of secs.9,10,15,and 16.
	Land,rolling .
	Soil,sandy loam;2nd rate.

Subdivision of T.43 S.,R.9 W.-Continued.

Chains	
	No timber .
	Undergrowth,sage ,oak,and mountain rush brush.
	Good grass for grazing.
	Land covered with dense undergrowth,80.00 chs.
	July 31,1909.

August 2,1909:At 7 h 6 m a.m.,l.m.t.,I set off 37°05'N., on the lat.arc;17°52'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°2'W.,bet.secs.9 and 10.

Over rolling land;through scattering timber and dense undergrowth,

Asc.gently.

20.00 Begin ascent of solid sandstone Butte,bears NE and SW.

28.50 Top of butte,225 ft.above foot,bears E and W.

Desc.abruptly .

34.00 Foot of Butte,bears N.70°W.and S.70°E.

Desc.gently over rolling land.

40.00 Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor..mkd.on brass cap ¼ S 9 in W half and S 10 in E half;from which

A cedar,12 ins.dia.,bears S.74°30'E.,283 lks. dist..mkd.¼ S 10 B T.

A cedar,6 ins.dia.,bears S.8°W.,207 lks. dist..mkd.¼ S 9 B T.

43.00 Leave timber,bears NE and SW.

80.00 Set an iron post,3 ft.long,2 ins.in dia.,24 ins.in the ground,for cor.of secs.3,4,9,and 10,mkd.on brass cap

T 43 S S 4 in NW.

R 9 W S 3 in NE.

S 10 in SE.;and

Subdivision of T.43 S.R.9 W.-Continued.

Chains	
	S 9 in SW.;quadrants;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 loam and rocky;2nd and 4th rate.
	Timber,cedar and pinon pine.
	Undergrowth,sage and bitter brush.
	Good grass for grazing.
	Mountainous land,or land covered with dense undergrowth,
	80.00 chs.
	East,on a random line bet.secs.3 and 10.
40.00	Set temp.¼ sec.cor.
80.04	Intersect N.and S.line,10 lks.S.of cor.of secs.2,3,10,and 11.
	Thence I run
	S.89 °56'W.,on a true line bet.secs.3 and 10.
	Over rolling land;through dense undergrowth and scattering timber .
	Desc.gently.
13.00	Leave timber,bears N.and S.
18.00	Wash,5 lks.wide,2 ft.deep,course N.10°E.
	Asc.gently.
40.02	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor..mkd.on brass cap ¼ S 3 in N half and S 10 in S half;dig pits,18x18x12 ins.E.and W.of post, 3 ft.dist.;and raise a mound of earth,3½ ft.base,1½ ft. high,N.of cor.
80.04	The cor.of secs.3,4,9,and 10.
	Land,rolling .
	Soil,sandy loam;2nd rate.
	Timber,cedar and pinon pine.

Subdivision of T.43.S.,R.9.W.-Continued.

Chains	
	Undergrowth,sage ,bitter,abd mountainous rush brush.
	Good grass for grazing.
Land covered with dense undergrowth,80.04 chs.	
	August 2,1909:At the noon hour the sky is overcast and solar observations are impossible.
	N.0°2'W.,on a random line bet.secs.3 and 4.
40.00	Set temp.¼ sec.cor.
71.48	Intersect N.bdy.of Tp.,27 lks.N.89°58'E.,of the cor.of secs. 3,4,33,and 34;heretofore described.
	Thence I run
	S.0°15'E.,on a true linebet.secs.3 and 4.
	Over rolling land;through dense undergrowth and scattering timber .
	Asc.
27.00	Top of ridge,100 ft.above sec.cor.,bears N.80°E.and S.80°W.
	Desc. gently.
31.48	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor..mkd.on brass cap ¼ S 4 in W half and S 3 in E half;from which
	A cedar,18 ins.dia.,bears S.89°30'E.,95 lks. dist..mkd.¼ S 3 B T.
	A cedar,12 ins.dia.,bears S.18°W.,60 lks. dist..mkd.¼ S 4 B T.
52.00	Bottom of hollow,40 ft.below ridge,course NE.
	Asc.gently.
57.00	Leave timber,bears NE and SW.
67.50	Road to Rock Canon spring ,bears NE and SW.
71.48	The cor.of secs.3,4,9,and 10.
	Land,rolling .
	Soil,sandy loam;2nd rate.
	Timber,cedar and pinon pine.

Subdivision of T.43.S.,R.9.W.-Continued.

Chains	
	Undergrowth,sage,mountains rush,and bitter brush.
	Good grass for grazing.
	Land covered with dense undergrowth,71.48 chs.
	August 2,1909.

	August 3,1909:At 7 h.6 m a.m.,l.m.t.,I set off 37°02'N., on the lat.arc;17°37'N.,on the decl.arc;and determine a meridian with the solar,at the cor.of secs.4,5,32,and 33. on S.bdy.of Tp.,heretofore described.
	Thence I run
	N.0°3'W.,bst.secs.32 and 33.
	Over mountainous land;through scattering timber and scattering undergrowth.
	Desc.
12.25	Bottom ofhollow,100 ft.below sec.cor.,course SE.
	Asc.
36.00	Top of spur,100 ft.above hollow,bears E.and W.
	Desc.
37.60	Bottom of hollow,30 ft.below ridge,course S.30°W.
	Asc.
40.00	Set an iron post,3 ft.long,1 in.in dia.,12 ins.in the ground,,in mound of stone and earth,for ¼ sec.cor..mkd.on brass cap ¼ S 32 in W half and S 33 in E half;impossible to set it 26 ins.in the ground.
	A yellow pine,8 ins.dia.,bears N.84°E.,32 lks. dist..mkd.¼ S 33 B T.
	A pinon pine,8 ins.dia.,bears W.,71 lks. dist..mkd.¼ S 32 B T.
50.80	Top of ridge,50 ft.above hollow,bears E.and W.
	Desc.
60.00	Bottom of hollow,50 ft.below ridge,course E.
	Asc.
64.50	Top of ridge,30 ft.above hollow,bears E.and W.

Subdivision of T.43 S.,R.9 W.-Continued.

Chains	
	Desc.
68.40	Bottom of hollow,50 ft.below ridge,course SE.
	Asc.
70.00	Top of ridge,20 ft.above hollow,bears E.and W.
	Desc.
74.40	Bottom of hollow,25 ft.below ridge,course E.
	Asc.
80.00	Set an iron post,3 ft.long,2 ins.in dia.,24 ins.in the ground,for cor.of secs.28,29,32,and 33,mkd.on brass cap T 43 S S 29 in NW. R 9 W S 28 in NE. S 33 in SE.;and S 32 in SW.;quadrants;from which A yellow pine,12 ins.dia.,bears N.26°30'E.,76 lks.dist..mkd.T 43 S R 9 W S 28 B T. A yellow pine.12 ins.dia.,bears S.33°30'E.,104 lks.dist..mkd.T 43 S R 9 W S 33 B T. A yellow pine,10 ins.dia.,bears S.31°W.137 lks. dist..mkd.T 43 S R 9 W S 32 B T. A yellow pine ,10 ins.dia.,bears N.22°30'W., 146 lks.dist..mkd.T 43 S R 9 W S 29 B T.
	Land,mountainous .
	Soil,sandy loam;2nd rate.
	Timber,cedar and pinon pine and yellow pine.
	Undergrowth,sage brush.
	Good grass for grazing.
	Mountainous land,80.00 chs.

	East,on a random line bet.secs.28 and 33.
40.00	Set temp.¼ sec.cor.
80.06	Intersect N.and S.line,2 lks.S.of the cor.of secs.27,28, 33,and 34.
	Thence I run

Subdivision of T.43 S.,R.9 W.-Continued.

Chains	
	S.89°59'W.,on a true line bet.secs.28 and 33.
	Over rolling land;through heavy timber and dense undergrowth.
	Desc.gently.
34.50	Bottom of hollow,30 ft.deep,course SE.
	Asc.
40.03	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.corl.mkd.on brass cap ¼ S 28 in N half and S 33 in S half;from which
	A yellow pine,18 ins.dia.,bears N.,233 lks. dist..mkd.¼ S 28 B T.
	A pinon pine,10 ins.dia.,bears S.61°E.,27 lks. dist..mkd.¼ S 33 B T.
54.00	Top of spur,60 ft.above hollow,bears N.and S.
	Desc.
56.60	Bottom of hollow,30 ft.below ridge,course SE.
	Asc. abruptly.
80.06	Point 150 ft.above hollow,
	The cor.of secs.28,29,32,and 33.
	Land,rolling and mountainous
	Soil,sandy loam;2nd rate.
	Timber,cedar,pinon pine,and yellow pine.
	Undergrowth,sage brush.
	Good grass for grazing.
	Mountainous or heavily timbered land,or land covered with dense undergrowth,80.06 chs.
	August 3,1909:At this cor.I set off 17°33'N.,on the decl. arc;and at 0 h 6 m p.m.,l.m.t.,I observe the sun on the meridian the resulting lat.is 37°02'N.,which is the proper lat.nearly.

	N.0°3'W.,bet.secs.28 and 29.
	Over mountainous land;through scattering timber and dense

Subdivision of T.43 S.,R.9 W.-Continued.

Chains	
	undergrowth.
	Desc.
4.70	Bottom of hollow,50 ft.below sec.cor.,course SE.
	Asc.
34.00	Top of ridge,150 ft.above hollow,bears NE and SW.
	Desc.gently.
40.00	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor..mkd.on brass cap ¼ S 29 in W half and S 28 in E half;from which
	A cedar,5 ins.dia.,bears N.65°15'E.,23 lks. dist..mkd.¼ S 28 B T.
	A pinon pine,15 ins.dia.,bears N.24°45'W.,67 lks. dist..mkd.¼ S 29 B T.
80.00	Set an iron post,3 ft.long,2 ins.in dia.,24 ins.in the ground,for cor.of secs.20,21,28,and 29.,mkd.on brass cap
	T 43 S S 20 in NW.
	R9 W S 21 in NE.
	S 28 in SE.;and
	S 29 in SW;quadrants;from which
	A pinon pine,10 ins.dia.,bears N.37°30'E.,98 lks.dist..mkd.T 43 S R 9 W S 21 B T.
	A cedar,5 ins.dia.,bears S.35°E.,59 lks. dist..mkd.T 43 S R 9 W S 28 B T.
	A pinon pine,10 ins.dia.,bears S.50°W.,101 lks. dist..mkd.T 43 S R 9 W S 29 B T.
	A cedar,6 ins.dia.,bears N.12°50'W.,205 lks. dist..mkd.T 43 S R 9 W S 20 B T.
	Land,mountainous .
	Soil,sandy loam;2nd rate.
	Timber,cedar,pinon pine,and yellow pine.
	Undergrowth,sage and oak brush.
	Good grass for grazing.
	Mountainous land,or land covered with dense undergrowth, 80.00 chs.
	July 3,1909.

Subdivision of T.43 S.,R.9 W.-Continued.

Chains	
	August 4,1909:At 7 h 6 m a.m.,l.m.t.,I set off 37°03'N.,on the lat.arc;17°21'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.89°59'E.,on a random line bet.secs.21 and 28.
40.00	Set temp.¼ sec.cor.
79.98	Intersect N.and S.line,5 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.
	Over mountainous ;through scattering timber and dense undergrowth.
	Asc.aver sloping sandstone ledges.
38.50	Top of ridge,400 ft above sec.cor.,bears N.40°E.and S.40°W.
	Leave ledge,bears N.40°E.and S.40°W.
	Desc.gradually.
39.99	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor..mkd.on brass cap ¼ S 21 in N half and S 28 in S half;from which
	A cedar,16 ins.dia.,bears N.15°50'W.,140 lks. dist..mkd.¼ S 21 B T.
	A cedar,14 ins.dia.,bears S.56°10'W.,56 lks. dist..mkd.¼ S 28 B T.
79.98	The cor.of secs.20,21,28,and 29.
	Land,mountainous.
	Soil,sandy loam;2nd rate.
	Timber,cedar and pinon pine.
	Undergrowth,sage and oak brush.
	Good grass for grazing.
	Mountainous land,or land covered with dense undergrowth, 79.98 chs.

Subdivision of T.43 S.,R.9 W.-Continued.

Chains	
	N.0°3'W.,bet.secs.20 and 21
	Over rolling mountainous land;through dense sage brush and scattering timber. Desc.
7.50	Bottom of hollow,25 ft below sec.cor.,course W.
	Asc. Leave timber, bears E. and W.
9.00	Top of spur,20 ft.above hollow,bears E.and W.
	Desc.gradually along east side of hollow.
40.00	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor..mkd.on brass cap ¼ S 20 in W half and S 21 in E half;dig pits,18x18x12 ins.N.and S.of post, 3 ft dist.;and raise a mound of earth,3½ ft.base,1½ ft. high,W.of cor.
65.00	Bottom of hollow,75 ft.below ridge,course NW.
	Asc.gradually.
80.00	Set an iron post,3 ft.long,2 ins.in dia.,24 ins.in the ground,for cor.of secs.16,17,20,and 21,mkd.on brass cap
	T 43 S S 17 in NW.
	R 9 W S 16 in NE.
	S 21 in SE.;and
	S 20 in SW;quadrants;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 loam;2nd rate.
	Timber,cedar and pinon pine.
	Undergrowth,sage brush.
	Good grass for grazing.
	Mountainous land,or land covered with dense undergrowth, 80.00 chs.
	August 4,1909:At this cor.I set off 17°17'N.,on the decl. arc;and at 0 h 6 m p. .m.,l.m.t.,I observe the sun on the meridian,the resulting lat.is 37°04'N.,which is the

Subdivision of T.43 S.,R.9 W.-Continued.

Chains proper lat.nearly.

S.89°59'E.,on a random line bet .secs.16 and 21.

40.00 Set temp.¼ sec.cor.

80.07 Intersect N.and S.line,7 lks.N.of the cor.of secs.15,16, 21,and 22.

Thence I run

N.89°56'W.,on a true lin bet.secs.16 and 21.

Over mountainous land;through dense undergrowth and scattering timber .

Desc.

4.80 Head of hollow,50 ft.below sec.cor.,course S.

Asc.

30.90 Road from Willow spring to Kane spring,bears N.10°W.and S.10°E.

31.00 Top of ridge,100 ft.above hollow,bears N.10°W.and S.10°E.

Desc.

40.03½ Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor.mkd.on brass cap ¼ S 16 in N half and S 21 in S half;from which

A cedar,10 ins.dia.,bears N.2°E.,414 lks. dist..mkd.¼ S 16 B T.

A cedar,8 ins.dia.,bears S.19°30'E.,162 lks. dist..mkd.¼ S 21 B T.

80.07 The cor.of secs.16,17,20,and 21.

Land,mountainous .

Soil,sandy loam;2nd rate.

Timber,cedar and pinon pine.

Undergrowth,sage brush and oak brush.

Good grass for grazing.

Mountainous land,or land covered with dense undergrowth 80.07 chs.

August 4,1909.

Subdivision of T 43 S.,R.9 W.-Continued.

Chains

August 5,1909:At 7 h 6 m a.m.,l.m.t.,I set off 37°04'N.,on the lat.arc;17°05'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°3'W.,bet.secs.16 and 17.

Over mountainous land;through dense undergrowth.

Asc.gradually.

21.00 Top of ridge,30 ft above sec.cor..bears E.and W.

Enter scattering timber,bears E.and W.

Desc.

35.00 Bottom of hollow,30 ft.below ridge,course W.

Asc.

40.00 Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor.,mkd.on brass cap ¼ S 17 in W half and S 16 in E half;from which

A cedar,6 ins.dia.,bears N.88°E.,94 lks. dist..mkd.¼ S 16 B T.

A pinon pine,8 ins.dia.,bears S.58°30'W.94 lks.dist..mkd.¼ S 17 B T.

41.50 Top of ridge,25 ft.above hollow,bears E.and W.

Desc.

45.30 Bottom of hollow,30 ft.below ridge,course W.

Asc.

80.00 Set an iron post,3 ft.long,2 ins.in dia.,24 ins.in the ground,for cor.of secs.8,9,16,and 17,mkd.on brass cap

T 43 S S 8 in NW.

R 9 W S 9 in NE.

S 16 in SE.

S 17 in SW.quadrants;from which

A cedar 18 ins.dia.,bears N.18°30'E.146 lks. dist., mkd. T 43 S R 9 W S 9 B T

Subdivision of T.43 S.,R.9 W.-Continued.

Chains

of earth, A cedar 10 ins.dia., bears S.22° 45'E. 219 lks.dist., mkd.T 43 S R 9 W S 16 B T

A cedar 14 ins.dia.bears S.52° 30'W. 103 lks. dist., mkd.T 43 S R 9 W S 17 B T

A cedar 14 ins.dia.bears N.58° 45'W. 107 lks. dist., mkd.T 43 S R 9 W S 8 B T

Land,mountainous .

Soil,sandy loam;2nd rate.

Timber,cedar and pinon pine.

Undergrowth,sage brush.

Good grass for grazing.

Mountainous land,or land covered with dense undergrowth,

80.00 chs.

S.89°56'E.,on a random line bet.secs.9 and 16.

40.00 Set temp.¼ sec.cor.

80.08 Intersect N.and S.line,10 lks.S.of the cor.of secs.15,16, 9,and 10.

Thence I run

West,on a true lin bet.secs.9 and 16.

Over rolling land;through dense undergrowth,and scattering timber .

Asc.gradually.

15.00 Top of ridge,100 ft.above sec.cor.,bears N.and S.

Desc.

30.40 South edge of sheep corral bears N.30 lks.dist.

31.50 Trail,bears NE and SW.

39.60 Bottom of hollow,100 ft.below ridge,course NW.

Asc.

40.04 Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor.,mkd.on brass cap ¼ S 9 in N half and S 16 in S half;from which

Subdivision of T 43 S., R. 9 W.-Continued.

Chains	
	A cedar, 18 ins. dia., bears N.5°30'W., 239 lks. dist.. mkd. ¼ S 9 B T.
	A cedar, 16 ins. dia., bears S.11°30'W., 49 lks. dist.. mkd. ¼ S 16 B T.
	From this cor. Kane spring bears S.45°26'E., 8.25 chs. dist.
40.50	Road to Rock Canon spring, bears NW and SE.
46.00	Bottom of hollow, 30 ft. below ridge, course N.30°W.
	Asc.
47.50	Top of spur, 30 ft. above hollow, bears N. and S.
	Desc.
49.40	Bottom of hollow, 30 ft. below ridge, course N.30°E.
	Asc.
53.10	Top of ridge, 30 ft. above hollow, bears N. and S.
	Desc.
61.00	Bottom of hollow, 40 ft. below ridge, course NE.
	Asc.
67.08	Top of ridge, 30 ft. above hollow, bears N. and S.
	Desc
80.08	The cor. of secs. 8, 9, 16, and 17.
	Land, mountainous and rolling.
	Soil, sandy loam; 2nd rate.
	Timber, cedar and pinon pine.
	Undergrowth, sage brush.
	Good grass for grazing;
	Mountainous land, or land covered with dense undergrowth, 80.08 chs.
	August 5, 1909: At this cor. I set off 17°01'N., on the decl. arc; and at 0 h 6 m p.m., l.m.t., I observe the sun on the meridian, the resulting lat. is 37°05'N., which is the proper lat. nearly.

N.0°3'W., bet. secs. 8 and 9.

Over mountainous land; through scattering timber and

Subdivision of T.43 S.,R.9 W.-Continued.

Chains

dense undergrowth,

Desc.

40.00 Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor..mkd. on brass cap ¼ S 8 in W half and S 9 in E half;from which

A cedar,7 ins.dia.,bears S.47°30'E.,246 lks. dist..mkd.¼ S 9 B T.

A yellow pine,6 ins.dia. bears N.80°W.,228 lks. dist..mkd.¼ S 8 B T.

Enter heavy timber,bears E.and W.

58.00 Foot of descent,100 ft.below sec.cor.,bears NE and SW.

Leave timber,bears NE and SW.

Enter valley.

Desc.gently.

80.00 Set an iron post,3 ft.long,2 ins.in dia.,24 ins.in the ground,for cor.of secs.4,5,8,and 9,mkd.on brass cap

T 43 S S 5 in NW.

R 9 W S 4 in NE.

S 9 in SE.;and

S 8 in SW.quadrants;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 nearly level.

Soil,sandy loam;2nd rate.

Timber,cedar and pinon pine.

Undergrowth,sage brush.

Good grass for grazing.

Mountainous or heavily timbered land,or land covered with dense undergrowth,80.00 chs.

August 5,1909.

August 6,1909:At 7 h 6 m a.m.,l.m.t.,I set off 37°06'N.,on

Subdivision of T.43 S.,R.9 W.-Continued.

Chains	
	the lat.arc;16°49'N.,on the decl.arc;and determine a meridian with the solar,at the cor.of secs.4,5,8,and 9.
	Thence I run
	East,on a random line bet.secs.4 and 9.
40.00	Set temp.¼ sec.cor.
80.14	Intersect N.and S.line,7 lks.N.of the cor.of secs.3,4,9,an and 10.
	Thence I run
	N.89°57'W.on a true line bet.secs.4 and 9.
	Over rolling land;through dense undergrowth and scattering timber .
	Asc.
1.90	Road to Rock Canon spring,bears N.20°E.and S.20°W.
14.70	Top of ridge,40 ft.above sec.cor.,bears N.and S.
	Desc.
33.15	Bottom of hollow,80 ft.below ridge,course N.
	Asc.
40.07	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor..mkd.on brass cap ¼ S 4 in N half and S 9 in S half;from which
	A cedar,6 ins.dia.,bears N.6°30'E.,73 lks. dist..mkd.¼ S 4 B T.
	A cedar,6 ins.dia.,bears S.10°30'E.,32 lks. dist.mkd.¼ S 9 B T.
40.50	Top of ridge,40 ft.above hollow,bears N.and S.
	Desc.
49.50	Bottom of hollow,40 ft.below ridge,course NW.
	Asc.
50.70	Top of ridge,30 ft.above hollow,bears N.and S.
	Desc.
54.00	Foot of descent,bears N.and S.
	Enter valley.
	Leave timber,bears N.and S.
80.14	The cor.of secs.4,5,8,and 9.

Subdivision of T.43 S.,R.9 W.-Continued.

Chains	
	Land,rolling and nearly level.
	Soil,sandy loam;2nd rate.
	Timber,cedar and pinon pine.
	Undergrowth,sage brush.
	Good grass for grazing.
	Mountainous land,or land covered with dense undergrowth,
	80.14 chs.
	August 6,1909:At this cor.I set off 16°45'N.,on the decl.
	arc;and at 0 h 6 m p.m.,l.m.t.,I observe the sun on the
	meridian the resulting lat.is 37°06'N.,which is the
	proper lat.nearly.
	N.0°3'W.,on a random line bet.secs.4 and 5.
40.00	Set temp.¼ sec.cor.
71.45	Intersect N.bdy.of Tp.,19 lks.N.89°58'E.,of the cor.of
	sec.4,5,32,and 33,heretofore described.
	Thence I run
	S.0°12'E.,on a true line bet.secs.4 and 5.
	Over rolling land;through scattering timber and dense
	undergrowth.
	Desc.gently.
7.30	Bottom of hollow,30 ft.below sec.cor.,course S.80°E.
	Asc.
10.00	Top of ridge,20 ft.above hollow,bears E.and W.
	Desc.
12.00	Bottom of hollow,40 ft.below ridge,course E.
	Asc.
31.45	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the
	ground,for ¼ sec.cor..mkd.on brass cap ¼ S 5 in W half
	and S 4 in E half;from which
	A pinon pine,12 ins.dia.,bears S.71°E.,110 lks.
	dist..mkd.¼ S 4 B T.
	A cedar,8 ins.dia.,bears S.15°W.,55 lks.

Subfivision of T.43 S.,R.9 W.-Continued.

Chains	
	dist.;marked ¼ S 5 B T.
37.50	Top of ridge,60 ft.above hollow,bears E.and W. Desc.
48.50	A small seep or spring bears East 80 lks.dist.
50.00	Foot of descent,bears E.and W.
	Leave timber,bears E.and W.
	Enter valley bears E.and W.
71.45	The cor.of secs.4,5,8,and 9.
	Land,rolling and level.
	Soil,sandy loam;2nd rate.
	Timber,cedar and pinon pine.
	Undergrowth,sage brush.
	Good grass for grazing.
	Land covered with dense undergrowth,71.45 chs.
	August 6,1909.

August 7,1909:At 7 h 6 m a.m.,l.m.t.,I set off 37°02'N.,on the lat.arc;16°32'N.,on the decl.arc;and determine a meridian with the solar,at the cor.of secs.5,6,31,and 32,on S.bdy.of Tp.,heretofore described.

Thence I run

N.0°3'W.,bet.secs.31 and 32.

Over mountainous land;through scattering timber and dense undergrowth.

Desc.gradually.

40.00	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor..mkd.on brass cap ¼ S 31 in W half and S 32 in E half;from which
	An oak,8 ins.dia.,bears N.65°E.,194 lks. dist..mkd.¼ S 32 B T.
	A pinon pine,8 ins.dia.,bears S.73°40'W.,236 lks.dist..mkd.¼ S 31 B T.
42.00	Bottom of hollow,30 ft.below ridge,course N.30°E.
	Asc.
77.00	Top of ridge,20 ft.above hollow,bears E.and W.

Subdivision of T.43 S.,R.9 W.-Continued.

Chains	Desc.
80.00	Set an iron post,3 ft.long,2 ins.in dia.,24 ins.in the ground,for cor.of secs.29,30,31,and 32,mkd.on brass cap T 43 S S 30 in NW. R 9 W S 29 in NE. S 32 in SE.;and S 31 in Sw;quadrants;from which A pinon pine,8.ins.dia.,bears N.31°30'E.,94 lks dist..mkd.T.43 S R 9 W S 29 B T. A pinon pine,12 ins.dia.,bears S.35°15'E.,82 lks dist..mkd.T 43 S.R 9 W S 32 B T. A pinon pine,20 ins.dia.bears S.5°20'W.,60 lks. dist..mkd.T 43 S R 9 W S 31 B T. A pinon pine,24 ins.dia.,bears N.54°40'W.,277 lks.dist..mkd.T 43 S R 9 W S 30 B T.
	Land,mountainous .
	Soil,sandy loam;2nd rate.
	Timber,cedar and pinon pine.
	Undergrowth,sage and oak brush.
	Good gras for grazing.
	Mountainous land,or land covered with dense undergrowth,
	80.00 chs.
	East,on random line bet.secs.29 and 32.
40.00	Set temp.¼ sec.cor.
80.10	Intersect N.and S.line,12 lks.N.of the cor.of secs.28,29, 32,and 33.
	Thence I run
	N.89°55'W.,on a true line bet.secs.29 and 32.
	Over mountainous land;through dense undergrowth and scattering timber .
	Desc.
1.50	Bottom of hollow,60 ft.below sec.cor. ,course N.30°E.

Subdivision of T.43 S. R.9 W.-Continued.

Chains	
	Asc.
22.00	Top of ridge,75 ft.above hollow,bears N.and S.
	Desc.
40.05	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor..mkd.on brass cap ¼ S 29 in N half and S 32 in S half;from which
	A pinon pine,7 ins.dia.,bears N.29°W.,100 lks. dist..mkd.¼ S 29 B T.
	A cedar,8 ins.dia.,bears S.27°30'W.,68 lks. dist..mkd.¼ S 32 B T.
50.00	Bottom of hollow,100 ft.below ridge,course N.
	Asc.
60.25	Top of spur,30 ft.above hollow,bears NE and SW.
	Desc.
63.80	Bottom of hollow,25 ft.below ridge,course NE .
	Asc.
80.10	The cor.of secs.29.30,31,and 32.
	Land,mountainous .
	Soil,sandy loam;2nd rate.
	Timber,cedar,pinon pine,and yellow pine.
	Undergrowth,oak and sage brush.
	Good grass for grazing.
	Mountainous land,or land covered with dense undergrowth, 80.10 chs.
	August 7,1909:At this cor.I set off 16°28'N.,on the decl. arc;and at 0 h 6 m p.m.,l.m.t.,I observe the sun on the meridian the resulting lat.is 37°02'N.,which is the proper lat.nearly.

	West,on a random line bet.secs.30 and 31.
40;00	Set temp.¼ sec.cor.
78.84	Intersect W.bdy.of Tps.,5 lks.N.of the cor.of secs.25,30,

Subdivision of T.43 S.,R.9 W.-Continued.

Chains	
	31,and 36,heretofore described.
	Thence I run
	N.89°58'E.,on a true line bet.secs.30 and 31.
	Over level canon bottom;through dense undergrowth.
	Asc.gently.
3.00	Begin abrupt ascent over ledges;bears NE and SW.
	Enter scattering timber,bears NE and SW.
35.80	Top of abrupt ascent,leave ledges,bears N.10°W.and S.
	Asc.gradually.
36.00	Enter heavy timber,bears N.and S.
38.84	Set an iron post,3 ft.long ,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor..mkd.on brass cap ¼ S 30 in N half and S 31 in S half;from which
	A yellow pine,30 ins.dia.,bears N.22°W.,72 lks. dist..mkd.¼ S 30 B T.
	A cedar,8 ins.dia.,bears S.6°W.,80 lks. dist..mkd.¼ S 31 B T.
55.34	Top of ridge,100 ft.above top of ledges,bears N.and S.
	Desc.
78.84	The cor.of secs.29,30,31,and 32.
	Land,mountainous and level.
	Soil,sandy loam and rocky;2nd and 4th rate.
	Timber,cedar and pinon pine and yellow pine.
	Undergrowth,sage and oak brush.
	Good grass for grazing.
	Mountainous or heavily timberedland,or land covered with dense undergrowth,78.84 chs.
	August 7,1909.

August 8,1909:At 7 h 6 m a.m.,l.m.t.,I set off 37°02'N., on the lat.arc;16°16'N.,on the decl.arc;and determine a meridian with the solar,at the cor.of secs.29,30,31,and 32.

Subdivision of T.43 S.,R.9 W.-Continued.

Chains	Thence I run
	N.0°3'W.,bet.secs.29 and 30.
	Over mountainous land;through scattering timber and dence undergrowth.
	Decs.gradually.
25.00	Bottom of hollow,30 ft.below sec.cor.,course E.
	Asc.
33.00	T op of ridge,30 ft.above hollow,bears E.and W. Desc.
37.00	Bottom of hollow,40 ft.below ridge,course E.Asc.
40.00	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor..mkd.on brass cap ¼ S 30 in W half and S 29 in E half;from which.
	A cedar,18 ins.dia.,bears S.83°E.,73 lks. dist..mkd.¼ S 29 B T.
	A cedar,20 ins.dia.,bears S.11°15'W.65 lks. dist.,mkd ¼ S 30 B T.
80.00	Set an iron post,3 ft.long.,2 ins.in dia.24 ins.in the ground for cor.of secs.19,20,29 and 30,mkd,on brass cap
	T 43 S S 19 in NW.
	R 9 W S 20 in NE.
	S 29 in SE.;and
	S 30 in SW;quadrants from which
	A scrub oak,5 ins.in dia.Bears N.21°40' E.15 lks.dist..mkd.T. 43 S R 9 W 20 B T.
	A scrub oak,6 ins.in dia.,bears S.20°30'E. 160 lks. dist..mkd.T 43 S R 9 W S 29 B T.
	A scrub oak,5 ins.in dia.,bears S.34°W.56 lks.dist..mkd.T 43 S R 9 W S 30 B T.
	A pinon pine,4 ins.in dia.,bears N.38°30'W. 240 lks.mkd.T 43 S R 9 W S 19 B T
	Land,mountainous.
	Soil,sandy loam;2nd rate.
	Timber,cedar and pinon pine.
	Good grass for grazing.
	Mountanious land,or land covered with dense undergrowth,

Subdivision of T.43 S., R. 9 W.-Continued.

Chains	
	80.00 chs.
	S.89°55'E., on a ramdon line bet.secs.20 and 29.
40.00	Set temp.¼sec.cor.
80.00	Intersect N.and S.line,12 lks.S.of the cor.of Secs. 20,21,28 and 29.
	Thence I run
	West,on a true line bet.secs.20 and 29.
	Over mountainoue land;through scattering timber and dence undgrgrowth of oak and sage brush.
	Desc.gently.
15.00	Leave oak brush,continue in sage brush,bears N.20°E.and S. 20°W.
20.00	Bottom of hollow,20 ft.below sec.cor.,course N.30°E.
	Asc.
30.00	Enter oak brush,bears N.20°E.and S.20°W.
40.00	Set an iron post,3 ft.long,1 in.in dia.,26 ins. in the ground,for ¼ sec.cor..mkd.on brass cap ¼ S 20 in N half and S 29 in S half;from which
	A yellow pine,29 ins.in dia.,bears N.74°10'W., 304 lks.dist..mkd.¼ S 20 B T.
	No other trees within limits;dig pits,18x18x12 ins.,E. and W. of post,;3 ft.dist.;and raise a mound of earth, 3½ ft.base,1½ ft.high N.of cor.
80.00	The cor.of secs.19,20,29 and 30.
	Land,mountanious.
	Soil,sandy loam;2nd rate.
	Timber,cedar and pinon pine.

Subdivision of T.43 S.,R.9 W.-Continued.

Chains	
	Undergrowth,oak and sage brush.
	Good grass for grazing.
	Mountainous land,or land covered with dense undergrowth,
	80.00 chs.
	August 8,1909:At the noon hour the sky is overcast and
	solar observations are impossible.
	S.89°58'W.,on a random line bet.secs.19 and 30.
40.00	Set temp.¼ sec.cor.
78.76	Intersect W.bdy.of Tp.,12 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.
	Over mountainous land;through dense undergrowth and
	scattering timber .
	Asc.
.56	Top of ridge,10 ft.above sec.cor.,bears N.and S.
	Desc.
2.90	Bottom of hollow,80 ft.below ridge,course S.20°W.
	Asc.
3.95	Top of ridge,80 ft.above hollow,bears N.20°E.and S.20°W.
	Desc.
12.26	Bottom of rocky hollow,400 ft.below ridge,course S.
	Asc.
15.75	Top of ridge,150 ft.above hollow,bears N.and S.
	Desc. abruptly over ladges.
24.25	Bottom of hollow,300 ft.below ridge,course S.
	Asc.over ledges.
24.75	Top of small ridge,20 ft.above hollow,bears N.and S.
	Desc.
33.90	Canon,30 ft.below ridge,course S.30°W.
	Asc.

Subdivision of T.43 S.,R.9 W.-Continued.

Chains	
35.75	Begin abrupt ascent over ledges,bears N.20°E.and S.20°W.
38.76	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor..mkd.on brass cap ¼ S 19 in N half and S 30 in S half;from which
	A yellow pine,12 ins.dia.,bears N.8°5'E.,141 lks; dist..mkd.¼ S 19 B T.
	A yellow pine,14 ins.dia.,bears S.40°25'E.,39 lks.dist..mkd.¼ S 30 B T.
50.40	Top of abrupt ascent,550 ft.above canon,bears NE and SW.
	Leave ledges,bears NE and SW.
	Asc.gradually.
75.75	Top of ridge,30 ft.above top of ledges,bears NE and SW.
	Desc.
78.76	The cor.of secs.19,20,29,and 30.
	Land,mountainous .
	Soil,sandy loam and rocky;2nd and 4th rate.
	Timber,yellow pine.
	Undergrowth,oak and sage brush.
	Good grass for grazing.
	Mountainous land,or land covered with dense undergrowth, 78.76 chs.
	August 8,1909.

August 9,1909:At 7 h 5 m a.m.,l.m t.,I set off 37°03'N., on the lat.arc;15°59'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°3'W.,bet.secs.19 and 20.

Over mountainous land;through dense undergrowth and scattering timber .

Asc.

Subdivision of T.43 S.,R.9 W.-Continued.

Chains	
2.50	Top of ridge,20 ft.above sec.cor.,bears N.60°E.and S.60° W.
Desc.	Desc.
24.50	Bottom of hollow,30 ft.below ridge,course NE.
Asc.	
30.00	Top of spur,100 ft.above hollow,bears E.and W.
	Desc.
40.00	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor..mkd.on brass cap ¼ S 19 in W half and S 20 in E half;from which
	A Pinon pine,4 ins.dia.,bears N.78°E.,191 lks. dist..mkd.¼ S 20 B T.
	An oak,6 ins.dia.,bears S.35°W.,119 lks. dist.,mkd.¼ S 19 B T.
80.00	Set an iron post,3 ft.long,2 ins.dia.24 ins.in the ground,for cor.of secs.17,18,19,and 20,mkd.on brass cap
	T 43 S S 18 in NW.
	R 9 W S 17 in NE.
	S 20 in SE.;and
	S 19 in SW.quadrants;from which
	A cedar,8 ins.dia.,bears S.63°E.119 lks. dist..mkd.T 43 S R 9 W S 20 B T.
	A pinon pine,16 ins.dia.,bears S.30°30'W.,104 lks dist..mkd.T 43 S R 9 W S 19 B T.
	No other trees within limits;dig pits,18x18x12 ins.,in secs. 17 and 18 5½ ft dist and raise a mound of earth,4 ft.base,2 ft. high,W.of cor.
	Land,mountainous.
	Soil,sandy loam;2nd rate.
	Timber,cedar and pinon pine and yellow pine.
	Undergrowth,oak and sage brush.
	Good grass for grazing.
	Mountainous land,or land covered with dense undergrowth, 80.00 chs.

Subdivision of T.43 S.,R.9 W.-Continued.

Chains	
	East,on a random line bet.secs.17 and 20.
40.00	Set temp.¼ sec.cor.
79.92	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.
	Over mountainous land;through dense undergrowth and scattering timber .
	Desc.
2.50	Bottom of hollow,20 ft.,below sec.cor.,course N.20°W.
	Asc.
11.92	Top of spur,100 ft.above hollow,bears N.and S.
	Desc.
24.20	Bottom of hollow,30 ft.below spur,course NE.
	Asc.
39.96	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor.,mkd.on brass cap ¼ S 17 in N half and S 20 in S half;from which.
	A yellow pine,24 ins.dia.,bears N.79°E.,96 lks. dist..mkd.¼ S 17 B T.
	A yellow pine,20 ins.dia.,bears S.53°E.,47 lks. dist..mkd.¼ S 20 B T.
50.00	Top of ridge,30 ft.above hollow,bears N.and S.
	Desc.
74.40	Small spring on line,in bottom of hollow,25 ft.below ridge, course NW .
	Asc.
79.92	The cor.of secs.17,18,19,and 20.
	Land,mountainous .
	Soil,sandy loam;2nd rate.
	Timber,cedar,pinon pine,and yellow pine.
	Undergrowth,sage and oak brush.

Subdivision of T.43 S.,R.9 W.-Continued.

Chains	
	Good grass for grazing.
	Mountainous land,or land covered with dense undergrowth, 79;92 chs.
	August 9,1909:At this cor.I set off 15°54'N.,on the decl. arc;and at o h 5 m p.m.,l.m.t.,I observe the sun on the meridian,the resulting lat.is 37°04'N.,which is the proper lat.nearly.
	N.89°57'W.,on a random line bet.secs.18 and 19.
40.00	Set temp.¼ sec.cor.
78.68	Intersect W.bdy.of Tp.10 lks.N.of the cor.of secs.13,18, 19,and 24.heretofore described.
	Thence I run
	N,89°59'E.,on a true line bet.secs.18 and 19.
	Over mountainous land;through scattering timber and dense undergrowth.
	Asc.
3.65	Top of spur,60 ft.above sec.cor.,bears N.and S.
	Desc.
4.28	Bottom of hollow,60 ft.below ridge,course SE.
	Asc.
8.68	Top of ridge,60 ft.above hollow,bears N.and S.
	Desc.
10.20	Bottom of hollow,50 ft.below ridge,course SE.
	Asc.
16.50	Top of ridge,100 ft.above hollow,bears N.and S.
	Desc.
38.68	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor..mkd.on brass cap ¼ S 18 in N half and S 19 in S half;dig pits,18x18x12 ins.,E.and W.of post,3 ft.dist;and raise a mound of earth,3½ ft.base,1½ ft.high,N.of cor.
64.70	Bottom of hollow,200 ft.below ridge;course NE .

Subdivision of T.43 S.,R.9 W.-Continued.

Chains	
	Asc.
71.68	A small spring bears N.80 lks.dist.
78.68	The cor.of secs.17,18,19,and 20.
	Land,mountainous.
	Soil,sandy loam;2nd rate.
	Timber,cedar and pinon pine.
	Undergrowth,oak and sage brush.
	Good grass for grazing.
	Mountainous land,or land covered with dense undergrowth,
	78.68 chs.
	August 9,1909.

	August 10,1909:At 7 h 5 m a.m.,l.m.t.,I set off 37°04'N.,on h the lat.arc;15°41'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°3'W.,bet.secs.17 and 18.
	Over mountainous land;through dense undergrowth and scattering timber .
	Desc.
6.00	Bottom of hollow,30 ft.below sec.cor.,course NE.
	Asc.
11.10	Trail,bears NE.and SW.
40.00	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ secs.cor.,mkd.on brass cap ¼ S 18 in W half and S 17 in E half;dig pits,18x18x12 ins.,N.and S.of post, 3 ft.dist.;and raise a mound of earth,3½ ft.base,1½ ft. high,W.of cor.
55.00	Bottom of hollow,75 ft below ridge,course NE. Asc.
71.40	Top of ridge,30 ft.above hollow,bears NE and SW.
	Desc.
80.00	Set an iron post,3 ft.long,2 ins.in dia.,24 ins.in the ground,for cor.of secs.7,8,17,and 18,mkd.on brass cap

Subdivision of T.43 S.,R.9 W.-Continued.

Chains	
	T 43 S S 7 in NW.
	R 9 W S 8 in NE.
	S 17 in SE.;and
	S 18 in SW.quadrants;from which
	A yellow pine,12 ins.dia.,bears N.70°30'E.,125 lks.dist..mkd.T 43 S R 9 W S 8 B T.
	A yellow pine,16 ins.dia.,bears S.64°30'E.,145 lks. dist..mkd.T 43 S R 9 W S 17 B T.
	A pinon pine,12 ins.dia.,bears S.52°30'W.,106 lks.dist..mkd.T 43 S R 9 W S 18 B T.
	A yellow pine,20 ins.dia.,bears N.61°W.,180 lks.dist..mkd.T 43 S R 9 W S 7 B T.
	Land,mountainous.
	Soil,sandy loam;2nd rate.
	Timber,pinon pine,yellow pine,and cedar.
	Undergrowth,oak and sage brush.
	Good grass for grazing.
	Mountainous land,or land covered with dense undergrowth,
	80.00 chs.
	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,12 lks.N.of the cor.of secs. 8,9,16,and 17.
	Thence I run
	N.89°57'W.,on a true line bet.secs.8 and 17.
	Over rolling mountainous land;through dense undergrowth and scattering timber .
	Desc.
22.00	Bottom of hollow,75 ft.below sec.cor.,course N.30°W.
	Asc.
36.00	Top of ridge,60 ft.above hollow,bears N.and S.
	Desc.

Subdivision of T.43 S.,R.9 W.-Continued.

Chains	
40.02	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor..mkd.on brass cap ¼ S 8 in N half and S 17 in S half;from which
	A yellow pine,12 ins.dia.,bears N.33°30'W.,106 lks. dist..mkd.¼ S 8 B T.
	A yellow pine,18 ins.dia.,bears S.5°30'W.,171 lks.dist..mkd.¼ S 17 B T.
42.10	Bottom of hollow,30 ft.below ridge,course N.
	Asc.
46.00	Top of ridge,40 ft.above hollow,bears N.and S.
	Desc.
47.80	Bottom of hollow,30 ft.below ridge,course N.
	Asc.
49.00	Top of ridge,30 ft.above hollow,bears N.and S.
	Desc.
55.00	Bottom of hollow,40 ft.below ridge,course NE.
	Asc.
78.30	Top of ridge,75 ft.above hollow,bears N.and S.
	Desc.
79.75	Bottom of hollow,25 ft.below ridge,course N.
	Asc.
80.04	The cor.of secs.7,8,17,and 18.
	Land,mountainous and rolling
	Soil,sandy loam;2nd rate.
	Timber,cedar and pinon pine and yellow pine.
	Undergrowth,sage brush and oak.
	Good grass for grazing.
	Mountainous land,or land covered with dense undergrowth, 80.04 chs.
	August 10,1909:At this cor.I set off 15°36'N.,on the decl. arc;and at 0.h 5m p.m.,l.m.t.,I observe the sun on the meridian,the resulting lat.is 37°05'N.,which is the proper lat.nearly.

Subdivision of T.43 S., R.9 W.-Continued.

Chains	
	S.89°59'W., on a random line bet.secs.7 and 18.
40.00	Set temp.¼ sec.cor.
78.42	Intersect W.bdy.of Tp., 7 lks.S.of the cor.of secs.7,12, 13, and 18, heretofore described.
	Thence I run
	S.89°58'E., on a true line bet.secs.7 and 18.
	Over mountainous land; through scattering timber .
	Desc.over ledges.
10.00	Bottom od hollow, 30 ft.below sec.cor., course N.30°W,
	Asc.over ledges.
15.50	Top of ridge, 40 ft.above hollow, bears NE and SW.
	Leave ledges, bears NE and SW.
	Desc.
17.60	Bottom of hollow, 25 ft.below ridge, course SW.
	Asc.
38.42	Set an iron post, 3 ft.long, 1 in.in dia., 26 ins.in the ground, for ¼ sec.cor..mkd.on brass cap ¼ S 7 in N half and S 18 in S half; from which
	A cedar, 14 ins.dia. bears N.48°W., 22 lks. dist..mkd.¼ S.7 B.T.
	A pinon pine, 10 ins.dia., bears S.40°E., 45 lks. dist..mkd.¼.S 18 B T.
44.40	Top of ridge, 70 ft.above hollow, bears N.and S.
	Desc.
78;42	The cor.of secs.7,8,17,and.18...
	L. and, mountainous .
	Soil, sandy loam and rocky; 2nd and 4th rate.
	Timber, cedar and pinon pine.
	Undergrowth, oak and sage brush.
	Good grass for grazing.
	Mountainous land, 78.42 chs.

August 10,1909.

Subdivision of T.43 S.,R.9 W.-Continued.

Chains	
	August 11,1909:At 7 h 5 m a.m.,l.m.t.,I set off 37°05'N., on the lat.arc;15°24'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°3'W.,bet.secs.7 and 8.
	Over mountainous land;through heavy timber and dense undergrowth.
	Desc.
.30	Bottom of hollow,10 ft.below sec.cor.,course SE.
	Asc.
17.50	Wash,30 lks.wide,3 ft.deep,course SE.
19.50	Top of spur,30 ft.above wash,bears E.and W.
	Desc.
20.30	Bottom of hollow,20 ft.below ridge,course E.
	Asc.
35.50	Top of ridge,60 ft.above hollow,bears E.and W.
	Desc.
40.00	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor..mkd.on brass cap ¼ S 7 in W half and S 8 in E half;from which
	A cedar,8 ins.dia.,bears N.89°30'E.,12 lks. dist..mkd.¼ S 8 B T.
	A pinon pine,5 ins.dia.,bears N.64°30'W.,12 lks.dist..mkd.¼ S 7 B T.
56.30	Bottom of hollow,40 ft.below ridge,course N.60°E.
	Asc.
57.00	Top of spur,30 ft.above hollow,bears E.and W.
	Desc.
58.00	Bottom of hollow,25 ft.below ridge,course E.
	Asc.
80.00	Set an iron post,3 ft.long,2 ins.in dia.,24 ins.in the ground,for cor.of secs.5,6,7,and 8,mkd.on brass cap
	T 43 S S 6 in NW.

Subdivision of T.43 S.,R.9.W.-Continued.

Chains	
	R 9 W S 5 in NE.
	S 8 in SE.;and
	S 7 in SW.quadrants ;from which
	A cedar,8 ins.dia.,bears N.42°E.,24 lks.
	dist..mkd.T 43 S R 9 W S 5 B T.
	A cedar,6 ins.dia.,bears S.56°E.,95 lks.dist.,
	mkd.T 43 S R 9 W S 8 B T.
	A cedar,6 ins.dia.,bears S.34°W.,131 lks.
	dist..mkd.T 43 S R 9 W S 7 B T.
	A cedar,14 in.dia.bears N.34°W.,47 lks.
	dist..mkd.T 43 S R 9 W S 6 B T.
	Land,mountainous.
	Soil,sandy loam;2nd rate.
	Timber,cedar and pinon pine.
	Undergrowth,oak and sage brush.
	Good grass for grazing.
	Mountainous or heavily timberedland,or land covered with
	dense undergrowth,80.00 chs.
	—
	S.89°57'E.,on a random line bet.secs.5 and 8.
40.00	Set temp.¼ sec.cor.
80.00	Intersect N.and S.line,7 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.
	Over nearly level valley;through dense undergrowth.
	Asc.gently.
13.00	Leave valley,bears N. and S .
	Enter heavy timber,bears NE and SW.
	Asc.
40.00	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the
	ground,for ¼ sec.cor..mkd.on brass cap ¼ S 5 in N half
	and S 8 in S half;from which

Subdivision of T.43 S.,R.9 W.-Continued.

Chains	
	A cedar,14 ins.dia.,bears N.50°W.,11 lks. dist.,mkd.¼ S 5 B T.
	A cedar,8 ins.dia.,bears S.7°30'E.,77 lks. dist.,mkd.¼ S 8 B T.
41.00	Top of ridge,30 ft.above sec.cor.,bears N.and S.
	Desc.
44.75	Bottom of hollow,30 ft.below ridge,course SW.
	Desc.
50.00	Top of ridge,25 ft.above hollow,bears N.and S.
	Desc.
59.00	Bottom of hollow,40 ft.below ridge,course S.30°E.
	Asc.
74.00	Top of ridge,40 ft.above hollow,bears N.and S.
	Desc.
80.00	The cor.of secs.5,6,7,and 8.
	Land,mountainous and level.
	Soil,sandy loam;2nd rate.
	Timber,cedar and pinon pine.
	Undergrowth,oak and sage brush.
	Good grass for grazing.
	Mountainous or heavily timbered land,or land covered with dense undergrowth,80.00 chs.
	August 11,1909:At this cor.I set off 15°19'N.,on the decl. arc;and at 0 h 5 m p.m.,l.m.t.,I observethe sun on the meridian,the resulting lat.is 37°06'N.,which is the proper lat.nearly.

	N.89°58'W.,on a random line bet.secs.6 and 7.
40.00	Set temp.¼ sec.cor.
78.60	Intersect W.bdy.of Tp.,5 lks.S.of the cor.of secs.1,6, 7,and 12,heretofore described.
	Thence I run
	S.89°56'E.,on a true line bet.secs.6 and 7.

Subdivision of T.43 S.,R.9 W.-Continued.

Chains	
	Over mountainous land;through heavy timber and dense undergr growth.
	Asc.
4.20	Top of ridge,30 ft.above sec.cor.,bears NE and SW.
	Desc.
4.90	Bottom of hollow,30 ft.below ridge,course N.
	Asc.
10.10	Top of ridge,30 ft.above hollow,bears N.and S.
	Desc.
20.00	Bottom of hollow,30 ft.below ridge,course N.
	Asc.
31.60	Top of ridge,40 ft.above hollow,bears N.and S.
	Desc.
36.10	Bottom of hollow,30 ft.below ridge,course N.
	Asc.
38.60	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor..mkd.on brass cap ¼ S 6 In N half and S 7 in S half;from which
	A cedar,8 ins.dia.,bears N.52°E.,31 lks. dist.,mkd.¼ S 6 B T.
	A pinon pine,6 ins.dia.,bears S.42°30'W.,111 lks. dist..mkd.¼ S 7 B T.
46.60	Top of ridge, 30 ft.above hollow,bears N.and S.
	Desc.
78.60	The cor.of secs.5,6,7,and 8.
	land,mountainous.
	Soil,sandy loam;2nd rate.
	Timber,cedar,pinon pine,and yellow pine.
	Undergrowth,oak and sage brush.
	Good grass for grazing.
	Mountainous or heavily timbered land,or land covered with dense undergrowth,78.60 chs.
	August 11,1909.

Subdivision of T.43 S.,R.9 W.-Continued.

Chains	
	August 12,1909:At 7 h 5 m a.m .,l.m.t.,I set off 37°06'N.,on on the lat.arc;15°06'N.,on the decl.arc;and determine a meridian with the solar,at the cor.of secs. 5,6,7,and 8.
	Thence I run
	N.0°3'W.,on a random line bet.secs.5 and 6.
40.00	Set temp.¼ sec.cor.
71.57	Intersect N.bdy.of Tp.,35 lks.N.89°58'E.,of the cor.of secs. 5,6,31,and 32,heretofore described.
	Thence I run
	S.0°20'E.,on a true linebet.secs.5 and 6.
	Over mountainous land;through scattering timber and dense undergrowth.
	Desc.
12.75	Bottom of hollow,60 ft.below sec.cor.,course NE.
	Asc.
31.57	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor..mkd.on brass cap ¼ S 6 in W half and S 5 in E half;from which
	A yellow pine,16 ins.dia.,bears S.50°30'E.,119 lks.dist..mkd.¼ S 5 B T.
	A pinon pine,8 ins.dia.,bears N.52°W.,95 lks. dist..mkd.¼ S 6 B T.
69.60	Top of ridge,100 ft.above hollow,bears E.and W.
	Desc.
71.57	The cor.of secs.5,6,7,and 8.
	Land,mountainous .
	Soil,sandy loam ;2nd rate.
	Timber,cedar,pinon pine,and yellow pine.
	Undergrowth,sage brush.
	Good grass for grazing.
	Mountainous land,or land covered with dense undergrowth, 71.57 chs.
	August 12,1909:At the noon hour the sky is overcast and solar observations are impossible.

Subdivision of T.43 S.,R.9 W.-Concluded.

August 12,1909.

General Description.

This township contains nearly every variety of land from level valleys to high rocky ridges and deep canons,the land in the eastern part of the township is generally rolling and nearly level,and the soil is generally sandy loam;2nd rate;while in the western and northwestern parts the land is rougher and more broken but is only very rough in places and the soil is 2nd rate except in places where it is rocky;4th rate. There are high rocky buttes in sections 14,15,11,and 12,which rise considerably above the surrounding country.

There is a dense undergrowth of sage brush and patches of oak brush all over the township.

Cedar and pinon pine timber is pretty well distributed all over the township and there is also a scattering growth of yellow or long leaf pine timber,but not enough to make the township valuable for timber .

There are a number of small springs in the township which afford sufficient water for stock watering purposes.

No indications of oil were found in the township.

There are no settlers in the township.

No mineral was seen in the township.

August 12,1909.

Frank C Fren

U.S.Deputy Surveyor

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Page

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

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

....., 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:

....., *Chainman.*

r list of names and final oath of assistants see book "R" ....., *Chainman.*

Tp.40 S., R. 9 W. ....., *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

been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the

ner monuments established, according to the instructions furnished by the United States Surveyor

neral for .....

....., *Chainman.*

....., *Chainman.*

....., *Moundman.*

....., *Moundman.*

....., *Axman.*

....., *Axman.*

....., *Flagman.*

.....

oscribed and sworn to before me this .....
day of ....., 19

SEAL

-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 ....., 19 , 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 oath of deputy see book "R" Tp.40 S., R. 9 W.

..... 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 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 t the foregoing are the original field notes of such survey.

.....
United States Deputy Survey

Subscribed by said ....., and sworn to before me this ..... day of ....., 19 }

SEAL

.....

.....

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, June 27, 19 1

The foregoing field notes of the survey of the subdivisional lines of Township No.43 South, Range No.9 West of the Salt Lake Base and Meridian Utah,

executed by Scott P.Stewart and Frank C.French under ~~his~~ their contract No. 308, dated March 17, 19 09, having be critically examined, and the necessary corrections and explanations made, the said field notes, and t surveys they describe, are hereby approved.

.....
United States Surveyor Gener

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

.....
United States Surveyor Gener

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BOOK A-353

N.

M.S.B.

FIELD NOTES

OF THE SURVEY OF THE

WEST AND EAST BOUNDARIES

of

Township No. 41 South, Range No. 9 West,

Of the Salt Lake Base and *Meridian,*

State of Utah

AS SURVEYED BY

Scott P. Stewart and Frank C. French, *United States Deputy Surveyors*

Under ~~*his*~~ their *Contract No.* 308, *dated* March 17, 1909. ~~190~~

Survey commenced August 12, 1909. ~~190~~

Survey completed August 18, 1909. ~~190~~

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W. Bdy. 6-00-46 ✓
Closings 0-02-29 ✓
E. Bdy 6-00-97 ✓
Closings 0-04-84 ✓
12 01 43 13 13

BOOK A-353

NAMES AND DUTIES OF ASSISTANTS.

John T.Jarvis	Chainman
M.Hyrum Harris	Chainman
William H.Stratton	Moundman
Edmund A.Hendrix	Moundman
John A.Humphries	Axman
Laurence C.Snow	Axman
Carl F.Eyring	Flagman

For preliminary affidavits see book "A" Tp. 44 S., R. 7 W.

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BOOK A-353

INDEX DIAGRAM.

Township 41 South, *Range* 9 West

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4	30	29	28	27	26	25	12
2	31	32	33	34	35	36	11

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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West bdy.of Tp.41 S.,R.9 W.-Contd.

Chains

Survey commenced August 12,1909,and executed with a Gurley Explorer's transit No.957,with solar attachment.The horizontal limb is provided with two double verniers placed opposite to each other,reading to single minutes of arc; which is also the least count of the latitude and declination arcs.

The instrument was examined,tested on the meridian at Salt Lake City,found correct,and was approved by the surveyor general for Utah,on July 3,1909.

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 p.m.and a.m.hours with a meridian established by Polaris observation;I proceed as follows:

At the cor.of Tps.41 and 42 S.,Rs.9 and 9½ W.,heretofore described,latitude 37°12'05"N.,longitude 112°52'12"W.,I set off 37°12'N.,on the lat.arc;14°58'N.,on the decl.arc; and at 5 h 5 m p.m.,l.m.t.,I determine a meridian with the solar and mark a point thereof on a stone set firmly in the ground,5.00 chs.N.of the cor.

At 10h 8m p.m.,l.m.t. ,I observe Polaris at eastern alongation,in accordance with the Manual,and mark a point in the line thus determined,by a tack driven in a wooden plug set in the ground,5.00 chs.N.of the cor.

August 12,1909.

August 13,1909:At 6 h 30 m a.m.,l.m.t.,I lay off the azimuth of Polaris 1°28.6'to the west,and mark a point in the meridian thus determined ,by cutting a small groove in the stone already set 5.00 chs.N.of the cor.;this mark

West bdy.of T.41 S.,R.9 W.-Continued.

Chains	
	falls 0.23 ins.east of the meridian determined by the solar.
	At 7 h 5 m a.m.,l.m.t.,I set off 37°12'N.,on the lat.arc; 14°48'N.,on the decl.arc;and mark the meridian determined by the solar,by a cross on the stone already set 5.00 chs. N.of the cor.;this mark falls 0.27 ins.east of the meridian established by Polaris observation.
	The solar apparatus by p.m.,and a.m.observations defines positions for meridians respectively about 0'12"west and 0'14"East of the meridian determined by Polaris observation;therefore I conclude that the adjustments of the instrument are satisfactory.
	The magnetic bearing of the meridian at 7 h 30 m a.m.,l.m.t.,is N.16°00'W.,the angle thus determined gives the mag.decl.16°00'E.
	From the cor.of Tps.41 and 42 S.,Rs.9 and 9½ W.,heretofore described ,
	I run
	North,bet.secs.31 and 36.
	Over mountainous land;through scattering timber and scattering undergrowth .
	Asc.abruptly over ledges.
12.00	Top of ridge,75 ft.above Tp.,bears N.25°W.and S.25°E.
	Desc.over ledges.
22.00	Bottom of hollow,40 ft.below ridge,course S.45°E.
	Asc.over ledges.
25.00	Top of ridge,25 ft.above hollow,bears NW and SE.
	Desc.over ledges.
32.00	Bottom of hollow,70 ft.below ridge,course S.70°E.
	Asc.over ledges.
40.00	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor..mkd.on brass cap ¼ S 36 in W half and S 31 in E half;from which

West bdy.of T.41 S.,R.9 W.-Continued.

Chains	
	A yellow pine,6 ins.dia.,bears N.85°45'E.,36 lks. dist.,mkd.½ S 31 B T.
	A cedar,10 ins.dia.,bears N.83°30'W.,74 lks. dist..mkd.½ S 36 B T.
44.50	Top of ridge,40 ft.above hollow,bears E.and W.
	Leave ledges,bears E.and W.
	Desc.gradually.
55.00	Bottom of hollow,30 ft.below ridge,course W.
	Asc.
57.00	Begin abrupt ascent over ledges,bears E.and W.
78.00	Top of ridge,40 ft.above hollow,bears N.30°W.and S.30°E.
	Leave ledges,bears N.30°W.and S.30°E.
	Desc.
80.00	Set an iron post,3 ft.long,3 ins.in dia.,12 ins.in the ground,and in mound of stone,and earth,for cor.of secs. 25.30,31,and 36,mkd.on brass cap
	T 41 S in N half.
	R 9½ W S 25 in NW.
	R 9 W S 30 in NE.
	R 9 W S 31 in SE.;and
	R 9½ W S 36 in SW.quadrants;from which
	A yellow pine,12 ins.dia.,bears N.45°15'E.,140 lks. dist..mkd.T 41 S R 9 W S 30 B T.
	A yellow pine,6 ins.dia.,bears S.18°30'E.,316 lks. dist..mkd.T 41 S R 9 W S 31 B T.
	A yellow pine,8 ins.dia.,bears S.74°30'W.,345 lks. dist..mkd.T 41 S R 9½ W S 36 B T.
	A cedar,6 ins.dia.,bears N.45°15'W.,232 lks. dist..mkd.T 41 S.,R.9½W S 25 B T.

Impossible to set post 24 ins.in the ground.
Land,mountainous .

Soil,sandy loam;and rocky;2nd and 4th rate.

Timber,cedar,pinon pine,and yellow pine.

Undergrowth,sage brush.

Good grass for grazing.

West bdy.of T.41 S.,R.9 W.-Continued.

Chains	
	Mountainous land,80.00 chs.
	North bet.secs.25 and 30.
	Over mountainous land;through scattering timber and scattering undergrowth.
	Desc.
3.00	Bottom of hollow,20 ft.below sec.cor.,course E.
	Asc.
13.00	Top of ridge,80 ft.above hollow,bears E.and W.
	This is called the Horse Pasture Pass.
	Desc. abruptly.
30.00	Bottom of hollow,80 ft below ridge,course N.75°E.
	Asc.
40.00	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor..mkd.on brass cap ¼ S 25 in W half and S 30 in E half;from which
	A cedar,6 ins.dia.,bears N.68°30'E.,197 lks. dist..mkd.¼ S 30 B T.
	A yellow pine,14 ins.dia.,bears N.52°15'W.,241 lks. dist..mkd.¼ S 25 B T.
41.50	Bottom of hollow,20 ft.deep,course SE.
	Asc.
43.50	Top of ridge,20 ft.above hollow,bears E.and W.
	Desc.abruptly.over ledges.
73.00	Clear Creek,4 lks.wide,3 ins.deep,in bottom of Clear Creek canon,300 ft.below ridge,course W.
	Asc.abruptly.
80.00	Set an iron post 3 ft.long,3 ins.dia.,10 ins.in the ground,and surrounded by mound of earth and stone,for cor.of secs.19,24,25,and 30,mkd.on brass cap
	T 41 S in N.half.
	R 9½ W S 24 in NW.
	R 9 W S 19 in NE.
	R 9 W S 30 in SE.

West bdy.T.41 S.,R.9 W.-Continued.

Chains	
	R 9½ W S 25 in SW.quadrants;from which
	A yellow pine,7 ins.dia., bears S.35°E.,117 lks.
	dist..mkd.T 41 S R 9 W S 30 B T.
	A yellow pine,6 ins.dia.,bears S.45°45'W.,58 lks.
	dist..mkd.T 41 S R 9½ W S 25 B T.
	No other trees within limits;raise a mound of stone,2 ft. base,1½ ft.high,W.of cor.Impossible to set post 26 ins.in the ground.
	Land,mountainous .
	Soil,sandy loam and rocky;2nd and 4th rate.
	Timber,cedar and pinon pine and yellow pine.
	Undergrowth,sage brush.
	Good grass for grazing.
	Mountainous land,80.00 chs.
	August 13,1909:At this cor.I set off 14°43'N.,on the decl. arc;and at 0 h 5 m p.m.,l.m.t.,I observe the sun on the meridian,the resulting lat.is 37°14'N.,which is the proper lat.nearly.
	North,bet.secs.19 and 24.
	Over mountainous land;through scattering timber and scattering undergrowth.
	Asc.abruptly along west slope of ridge.
21.30	Foot of perpendicular ledge,50 ft.high,bears E.and W.
	Note:From here north the line passes over a series of perpendicular ledges and the ¼ sec.cor.will fall where it cannot be perpetuated ;therefore at this point I
	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for witness cor.to ¼ sec.cor..mkd.on brass cap W C ¼ S 24 in W half and S 19 in E half;from which
	A pinon pine,8 ins.dia.,bears N.75°30'E.,55 lks.
	dist..mkd.W C ¼ S 19 B T.
	A cedar,4 ins.dia.,bears N.88°W.,147 lks.
	dist.;mkd. W C ¼ S 24 B T.

West bdy.T.41 S.,R.9 W.-Continued.

Chains

Asc.abruptly over a series of sandstone ledges,from 20 ft. to 150 ft.high,

69.70 Top of ledges,edge of flat ridge,1200 ft.above sec.cor., bears E.and W.

Thence across top of ridge/

Enter heavy timber and dense undergrowth,bears E.and W.

80.00 Set an iron post,3 ft.long,3 ins.in dia.,24 ins.in the ground,for cor.of secs.13,18.19,and 24,mkd.on brass cap

T 41 S in N half.

R 9½ W S 13 in NW.

R 9 W S 18 in NE.

R 9 W S 19 in SE.;and

S 24 in SW.quadrants;from which

A pinon pine,8 ins.dia.,bears N.58°30'E.,93 lks. dist..mkd.T 41 S R 9 W S 18 B T.

A pinon pine,16 ins.dia.,bears S.8°30'E.,73 lks. dist..mkd.T 41 S R 9 W S 19 B T.

A cedar,16 ins.dia.,bears S.10°W.55 lks. dist..mkd.T 41 S R 9½ W S 24 B T.

A pinon pine,6 ins.dia.,bears N.17°15'W.,12 lks. dist..mkd.T 41 S R 9½ W S 13 B T.

Land,mountainous.

Soil,sandy loam and rocky;2nd and 4th rate.

Timber,cedar and pinon pine and yellow pine.

Undergrowth,sage bbush.

Good grass for grazing.

Mountainous or heavily timbered land,or land covered with dense undergrowth,80.00 chs.

August 13,1909.

August 14,1909:At 7 h 5 m a.m.,l.m.t.,I set off 37°15'N., on the lat.arc;14°29'N.,on the decl.arc;and determine a meridian with the solar,at the cor.of secs.13,18,19,and

West bdy.T.41 S.,R.9 W.-Continued.

Chains	
	24.
	Thence I run
	North ,bet.secs.13 and 18.
	Over mountainous land;through heavy timber and dense undergrowth.
	Desc.along top of ridge.
.50	Begin abrupt descent over ledges,bears E.and W.
13.00	Bottom of canon,300 ft.below sec.cor.,course W.
	Asc.abruptly.
28.85	Begin more gradual ascent,bears E.and W.
	Leave ledges,bears E.and W.
40.00	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor..mkd.on brass cap ¼ S 13 in W half and S 18 in E half;from which
	A yellow pine,36 ins.dia.,bears S.37°30'E.,778 lks. dist..mkd.¼ S 18 B T.
	A yellow pine,8 ins.dia.bnars N.81°10'W.,482 lks. dist..mkd.¼ S 13 B T.
65.00	Top of ridge,20 ft.above ¼ sec.cor.,bears E.and W.
	Desc.
78.00	Begin more abrupt descent,bears E.and W.
80.00	Set an iron post,3 ft.long,3 ins.in dia.,24 ins.in the ground,for cor.of secs.7,12,13,and 18,mkd.on brass cap
	T 41 S in N half.
	R 9½ W S 12 in NW.
	R 9 W S 7 in NE.
	R 9 W S 18 in SE.;and
	R 9½ W S 13 in SW.quadrants;from which
	An oak,4 ins.dia.,bears N.38°15'E.,97 lks. dist..mkd.T 41 S R 9 W S 7 B T.
	A yellow pine,35 ins.dia.,bears S.45°E.,675 lks. dist..mkd.T 41 S R 9 W S 18 B T.
	A yellow pine,36 ins.dia.,bears S.65°15'W.,210 lks. dist..mkd.T 41 S R 9½ W S 13 B T.
	A yellow pine,36 ins.dia.,bears N.27°15'W.,372 lks.

West bdy.of T.41 S.,R.9 W.-Continued.

Chains	
	dist.;mkd.T 41 S R 9½ W S 12 B T.
	Land,mountainous .
	Soil,sandy loam;2nd rate.
	Timber,cedar,pinon pine,and yellow pine.
	Undergrowth,oak and sage brush.
	Good grass for grazing.
	Mountainous or heavily timbered land,or land covered with dense undergrowth,80.00 chs.
	August 14,1909:At this cor.I set off 14°24'N.,on the decl. arc;and at 0 h 5 m p.m.,l.m.t.,I observe the sun on the meridian,the resulting lat.is 37°16'N.,which is the proper lat.nearly.
	North,bet.secs.7 and 12.
	Over mountainous land;through heavy timber and dense undergrowth.
	Desc.abruptly.
30.00	Bottom of hollow,200 ft.below sec.cor.,course N.10°W.
	Asc.
40.00	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor..mkd.on brass cap ¼ S 12 in W half and S 7 in E half;from which
	A yellow pine,24 ins.dia.,bears N.85°E.,45 lks. dist..mkd.¼ S 7 B T.
	A yellow pinw,24 ins.dia.,bears N.62°30'W.,76 lks. dist..mkd.¼ S 112 B T.
55.00	Top of ridge,50 ft.above hollow,bears N.30°W.and S.30°E.
	Desc.
70.00	Begin abrupt descent,bears NW and SE.
80.00	Point 100 ft.below ridge.
	Set an iron post,3 ft.long,3 ins.dia.,24 ins.in the ground,for cor.of secs.1,6,7,and 12,mkd.on brass cap T 41 S in N half.

West bdy.of T.41 S.,R.9 W.-Continued.

Chains

R 9½ W S 1 in NW.

R 9 W S 6 in NE.

S 7 in SE.;and

S 12 in SW.quadrants;from which

A yellow pine,12 ins.dia.,bears N.38°30'E.,317 lks. dist.,mkd.T 41 S R 9 W S 6 B T.

A yellow pine,20 ins.dia.,bears S.37°30'E.,310 lks. dist..mkd.T 41 S R 9 W S 7 B T.

A yellow pine,14 ins.dia.,bears S.2°30'W.,396 lks. dist..mkd.T 41 S R 9½ W S 12 B T.

A yellow pine,10 ins.dia.,bears N.16°W.,117 lks. dist..mkd.T 41 S R 9½ W S 1 B T.

Land,mountainous .

Soil,sandy loam;2nd rate.

Timber,cedar and pinon pine and yellow pine.

Undergrowth,oak and sage brush.

Good grass for grazing.

Mountainous or heavily timbered land,or land covered with dense undergrowth,80.00 chs.

August 14,1909.

August 15,1909:At 7 h 4 m a.m.,l.m.t.,I set off 37°16'N., on the lat.arc;14°11'N.,on the decl.arc;and determine a meridian with the solar,at the cor.of secs.1,6,7,and 12.

Thence I run

North,bet.secs.1 and 6.

Over mountainous land;through scattering timber and dense undergrowth.

Desc.

3.00 Road from Orderville to saw mill,bears E.and W.

4.20 Bottom of canon,40 ft.below sec.cor.,course N.80°W.

Asc.

20.00 Top of ridge,100 ft.above hollow,bears NW and SE.

West bdy.of T.41 S.,R.9 W.-Continued.

Chains	Desc.
34.00	Begin abrupt descent,bears E.and W.
40.00	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor..mkd.on brass cap ¼ S 1 in W and S 6 in E half;from which
	A yellow pine,12 ins.dia.,bears S.82°E.,152 lks. dist..mkd.¼ S.6 B T.
	A yellow pine,30 ins.dia.,bears N.74°10'W.,96 lks. dist..mkd.¼ S.1 B T.
46.00	Bottom of hollow,120 ft.below ridge,course S.70°W.
	Asc.
60.40	Road,bears NE and SW.
66.00	Top of ridge,100 ft.above hollow,bears NW and SE.
	Desc.gradually.
80.46	Intersect Eighth Standard Parallel South,8.29 chs.East of the standard cor.of Tps.40 S.,Rs.9 and 10 W.,which is a limestone,6x10x10 ins.,above ground,firmly set,and mkd. and witnessed as described by the surveyor general.
	Set an iron post,3 ft.long,3 ins.dia.,24 ins.in the ground,for closing cor.of Tps.41 S.,Rs.9 and 9½ W.,mkd. on brass cap
	T 40 S R 10 W S 36 R 9 W S 31 in N half.
	C C T.41 S in S.half.
	R 9 W.S 6 in SE.;and
	R 9½W S.1 in SW. quadrants; from which
	A cedar,5 ins.dia.,bears S.81°E.,186 lks. dist..mkd.T 41 S R 9 W S 6 B T.
	A cedar,4 ins.dia.,bears S.39°15'W.,103 lks. dist..mkd.T 41 S R 9½ W S 1 B T.
	Land,mountainous .
	Soil,sandy and clay loam;2nd rate.
	Timber,yellow pine,cedar,and pinon pine.
	Undergrowth,oak and sage brush.
	Good grass for grazing.

West bdy.of T.41 S.,R.9 W.-Continued.

Chains	
	Mountainous land,or land covered with dense undergrowth, 80.46 chs.
	August 15,1909:At this cor.I set off 14°06'N.,on the decl. arc;and at 0 h 4 m p.m.,l.m.t.,I observe the sun on the meridian,the resulting lat.is 37°17'N.,which is the proper lat.nearly.
	East bdy.of T.41 S.,R.9 W.
	August 15,1909:At 3 h 4 m p.m.,l.m.t.,I set off 37°12'N., on the lat.arc;14°04'N.,on the decl.arc;and determine a meridian with the solar,at the cor.of Tps.41 and 42 S., Rs.8 and 9 W.,heretofore described.
	Thence I run
	North,bet.secs.31 and 36.
	Over mountainous land;through scattering timber and scattering undergrowth.
	Asc.abruptly over ledges.
21.40	Top of sandstone ledge,500 ft.above Tp.cor.,bears E.and W.
	Continue ascent over ledges.
	Enter heavy timber,bears E.and W.
30.00	Top of steep ascent,100 ft.above ledge,bears NW and SE.
	Leave ledges,bears NW and SE.
	Asc.gradually.
40.00	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor..mkd.on brass cap ¼ S 36 in W half and S 31 in E half;from which
	A pinon pine,10 ins.dia.,bears N.37°30'E.,32 lks.

East bdy.T.41 S.,R.9 W.-Continued.

Chains	
	dist..mkd.¼ S 31 B T.
	A pinon pine,6 ins.dia.,bears N.82°W.,36 lks.
	dist..mkd.¼ S 36 B T.
42.00	Top of ridge,25 ft.above ¼ sec.cor.,bears E.and W.
	Desc.
67.00	Top of ledge,100 ft.high,bears NW and SE.
	Desc.abruptly over ledges.
80.00	Set an iron post,3 ft.long,3 ins.dia.,24 ins.in the ground,for cor.of secs.25,30,31,and 36,mkd.on brass cap
	T 41 S.,in N half.
	R 9 W S 25 in NW.
	R 8 W S 30 in NE.
	R 8 W S 31 in SE.;and
	R 9 W S 36 in SW.quadrants;from which
	A pinon pine,10 ins.dia.,bears N.10°E.,109 lks.
	dist..mkd.T 41 S R 8 W S 30 B T.
	A pinon pine,8 ins.dia.,bears S.60°E.,84 lks.
	dist..mkd.T 41 S R 8 W S 31 B T.
	A pinon pine,8 ins.dia.,bears S.46°30'W.,48 lks.
	dist..mkd.T 41 S R 9 W S 36 B T.
	A ppinon pine,8 ins.dia.,bears N.52°30'W.,67 lks.
	dist..mkd.T 41 S R 9 W S 25 B T.
	Land,mountainous .
	Soil,sandy loam and rocky;2nd and 4th rate.
	Timber,cedar,pinon pine,and yellow pine.
	Undergrowth,oak and sage brus.
	Good grass for grazing.
	Mountainous or heavily timbered land,80.00 chs.
	[illegible] 80.00 chs.

August 15,1909.

August 16,1909:At 7 h 4 m a.m.,l.m.t.,I set off 37°13'N.,

East bdy.of T.41 S.,R.9 W.-Continued.

Chains	
	on the lat.arc;13°52'N.,on the decl.arc;and determine a meridian with the solar,at the cor.of secs.25,30,31,and 36.
	Thence I run
	North,bet.secs.25 and 30.
	Over mountainous land;through heavy timber and scattering undergrowth.
	Asc.abruptly over ledges.
3.00	Top of ridge,60 ft.above sec.cor.,bears E.and W.
	Desc.abruptly over ledges.
10.00	Bottom of hollow,50 ft.below ridge,course E.
	Asc.over ledges.
25.00	Top of ridge,30 ft.above hollow,bears E.and W.
	Desc.over ledges.
39.00	Bottom of hollow,100 ft.below ridge,course SE.
	Continue descent.over ledges.
40.00	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor..mkd.on brass cap ¼ S 25 in W half and S 30 in E half;from which
	A cedar,8 ins.dia.,bears S.53°E.,26 lks. dist..mkd.¼ S 30 B T.
	A cedar,7 ins.dia.,bears N.35°15'W.,40 lks. dist..mkd.¼ S 25 B T.
41.00	Bottom of canon,200 ft.below ridge,course S.20°E.
	Asc.abruptly over ledges.
63.00	Top of ridge,200 ft.above canon,bears N.20°W.and S.20°E.
	Desc.abruptly over ledges.
68.00	Bottom of hollow,.100 ft.below ridge,course E.
	Asc.over ledges.
72.00	Top of steep ascent,100 ft.above hollow,bears NE and SW.
	Leave ledges,bears NE and SW.
	Thence over mesa; through dense undergrowth.
80.00	Set an iron post,3 ft.long,3 ins.dia.,24 ins.in the ground,for cor.of secs.19,24,25,and 30,mkd.on brass cap

East bdy.of T.41 S.,R.9 W.-Continued.

Chains	
	T 41 S in N.half.
	R 9 W S 24 in NW.
	R 8 W S 19 in NE.
	R 8 W S 30 in SE.;and
	R 9 W S 25 in SW.quadrants;from which
	A cedar,12 ins.dia.,bears N.16°E.,186 lks.
	dist..mkd.T 41 S T 98 W S 19 B T.
	A pinon pine,7 ins.dia.,bears S.60°E., 58 lks.
	dist..mkd.T 41 S R 8 W S 30 B T.
	A cedar,14 ins.dia.,bears S;32°W.,65 lks.
	dist..mkd.T 41 S R 9 W S 25 B T.
	A pinon pine,10 ins.dia.,bears N.31°30'W.,193 lks.
	dist..mkd.T 41 S R 9 W S 24 B T.
	Land,mountainous and level.
	Soil,sandy loam and rocky;2nd and 4th rate.
	Timber,cedar,pinon pine,and yellow pine.
	Undergrowth,oak and sage brush.
	Good grass for grazing.
	Mountainous or heavily timbered land ,or land covered with dense undergrowth,80.00 chs.
	August 16,1909:At the noon hour the sky is overcast and solar observations are impossible.
	North,bet.secs.19 and 24.
	Over nearly level mesa;through heavy timber and scattering undergrowth.
	Desc.gradually.
30.00	Leave mesa,bears E.and W.
	Desc.abruptly.
39.00	Bottom of hollow,150 ft.below mesa,course E.
	Asc.
40.00	Set an iron post,3 ft.long,1 in.in dia;,26 ins.in the ground,for ¼ sec.cor..mkd.on brass cap ¼ S 24 in W half

East bdy.of T.41 S.,R.9 W.-Continued.

Chains	
	and S 19 in E half;from which
	A pinon pine,14 ins.dia.,bears S.88°30'E.,14 lks. dist..mkd.¼ S 19 B T.
	A pinon pine,6 ins.dia.,bears N.76°W.,94 lks. dist..mkd.¼ S 24 B T.
65.25	Top of ridge,150 ft.above hollow,bears NW and SE.
	Desc.
71.00	Head of canon,225 ft.below ridge,course SE.
	Asc.
73.70	Top of ledge,225 ft.above hollow,bears NE and SW.
	Height of ledge,50 ft.
	Thence over nearly level mesa.
77.40	Leave mesa,bears NW and SE.
	Desc.abruptly over ledges.
80.00	Set an iron post,3 ft.long,3 ins.in dia.,24 ins.in the ground,for cor.of secs.13,18,19,and 24,mkd.on brass cap
	T 41 S in N half.
	R 9 W S 13 in NW.
	R 8 W S 18 in NE.
	R 8 W S 19 in SE.;and
	R 9 W S 24 in SW.quadrants;from which
	A yellow pine,14 ins.dia.,bears S.27°15'E.,117 lks dist..mkd.T 41 S R 8 W S 19 B T.
	A pinon pine,6 ins.dia.,bears S.14°W.,107 lks. dist..mkd.T 41 S R 9 W S 24 B T.
	A pinon pine,6 ins.dia.,bears N.53°30'W.,100 lks. dist..mkd.T 41 S R 9 W S 13 B T.
	No other tree within limits;raise a mound of stone,2 ft. base,1 ½ ft.high,W.of cor.
	Land,mountainous and nearly level.
	Soil,sandy loan and rocky;2nd and 4th rate.
	Timber,cedar,pinon pine,and yellow pine.
	Undergrowth,oak and sage brush.
	Good grass for grazing.

East bdy.of T.41 S.,R.9 W.-Continued.

Chains	
	Mountainous or heavily timbered land,80.00 chs.
	August 16,1909.
	August 17,1909:At 7 h 4 m a.m.,l.m.t.,I set off 37°15'N., on the lat.arc;13°33'N.,on the decl.arc;and determine a meridian,with the solar,at the cor.of secs.13,18,19,and 24.
	Thence I run
	North,bet.secs.13 and 18.
	Over mountainous land;through scattering timber and scattering undergrowth.
	Desc. over ledges.
25.00	Creek,10 lks.wide,6 ins.deep,in bottom of Little Meadow Gulch,250 ft.below sec.cor.,course S.10°E.
	Asc.
28.00	Top of spur,50 ft.above canon,bears E.and W.
	Desc.
31.00	Bottom of hollow,50 ft.below spur,course W.
	Asc.abruptly.
40.00	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor.,mkd.on brass cap ¼ S 13 in W half and S 18 in E half;from which
	A yellow pine,15 ins.dia.,bears N.70°W.,50 lks.dist.; mkd.¼ S 13 B T.
	No other tree within limits;raise a mound of stone,2 ft. base,1½ ft.high,W.of cor.
44.00	Foot of ledge,30 ft.high,bears NE. and SW.
46.00	Top of ledge,bears NE and SW.
	Continue abrupt ascent.
56.25	Top of ridge,200 ft.above ¼ sec.cor.,bears NE and SW.
	Desc.abruptly.

East bdy.of T .41 S.,R.9 W.-Continued.

Chains	
76.20	Creek,10 lks.wide,6 ins.deep,in bottom of Little Meadow Valley Gulch,400 ft.below ridge,course S.20°W.
	Asc.abruptly.
80.00	Set an iron post,3 ft.long,3 ins.in dia.,24 ins.in the ground,for cor.of secs.7,12,13,and 18,mkd.on brass cap
	T 41 S in N half.
	R 9 W S 12 in NW.
	R 8 W S 7 in NE.
	R 8 W S 18 in SE.;and
	R 9 W S 13 in SW.quadrants;from which
	A cedar,10 ins.dia.,bears N.79°E.,34 lks.
	dist..mkd.T 41 S R 8 W S 7 B T.
	A pinon pine,6 ins.dia.,bears S.23°30'E.,42 lks.
	dist..mkd.T 41 S R 8 W S 18 B T.
	A cedar,10 ins.dia.,bears S.43°30'W.,58 lks.
	dist..mkd .T.41 S.R 9 W S 13 B T.
	A pinon pine,14 ins.dia.,bears N.10°30'W.,30 lks.
	dist..mkd.T 41 S R 9 W S 12 B T.
	Land,mountainous .
	Soil,sandy loam and rocky;2nd and 4th rate.
	Timber,cedar,pinon pine,and yellow pine.
	Undergrowth,sage and oak brush .
	Good grass for grazing.
	Mountainous land,80.00 chs.
	August 17,1909:At this cor.I set off 13°28'N.,on the decl arx;and at 0 h 4 m p.m.,l.m.t.,I observe the sun on the meridian,the resulting lat.is N.37°16'N.,which is the proper lat.nearly.

North bet.secs.7 and 12.

Over mountainous land;through scattering timber and scattering undergrowth.

Asc.abruptly.

East bdy.of T.41 S.,R.9 W.-Continued.

Chains	
2.50	Top of ridge,40 ft.above sec.cor.,bears E.and W.
	Desc.
4.20	Bottom of hollow,40 ft.below ridge,course S.70°E.
	Asc.
15.00	Top of spur,75 ft.above hollow,bears E.and W.
	Desc.
19.00	Bottom of hollow,60 ft.below ridge,course S.70°E.
	Asc.
40.00	Top of ridge,400 ft above hollow,bears E.and W.
	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor..mkd.on brass cap ¼ S 12 in W half and S 7 in E half;from which
	A cedar,5 ins.dia.,bears S.64°45'E.,74 lks. dist..mkd.¼ S 7 B T.
	A cedar,14 ins.dia.,bears S.66°15'W.,27 lks. dist..mkd.¼ S 12 B T.
	Desc.
47.00	Creek,2 lks.wide,2 ins.deep,in bottom of canon,75 ft.below ridge,course S.60°E.
	Asc.
58.00	Road from Orderville to Saw mill,bears NE and SW.
80.00	Set an iron post,3 ft.long,3 ins.in dia.,24 ins.in the ground,for cor.of secs.1,6,7,and 12,mkd.on brass cap
	T 41 S.,in N.half.
	R 9 W S 1 in NW.
	R 8 W S 6 in NE.
	R 8 W S 7 in SE.;and
	R 9 W S 12 in SW quadrants;from which
	A cedar,12 ins.dia.,bears N.8°30 'E.,210 lks. dist..mkd.T 41 S R 8 W S 6 B T.
	A cedar,14 ins.dia.,bears S.39°45'E.,36 lks. dist..mkd.T 41 S R 8 W S 7 B T.
	A cedar,5 ins.dia.,bears S.54°15'W.,61 lks. dist..mkd.T 41 S R 9 W S 12 B T.

East bdy.of T.41 S.,R.9 W.-Continued.

Chains	
	A cedar,6 ins.dia.,bears N.28°30'W.,117 lks. dist..mkd.T 41 S R 9 W S 1 B T.
	Land,mountainous .
	Soil,sandy loam;2nd rate.
	Timber,cedar and pinon pine,and yellow pine.
	Undergrowth,oak and sage brush.
	Good grass for grazing.
	Mountainous land,80.00 chs.
	August 17,1909.

	August 18,1909:At 7 h 4 m a.m.,l.m.t.,I set off 37°16'N., on the lat.arc;13°14'N.,on the decl.arc;and determine a meridian with the solar,at the cor.of secs.1,6,7,and 12.
	Thence I run
	North,bet.secs.1 and 6.
	Over mountainous land;through heavy timber .
	Desc.gently.
.20	South edge of pond 150 lks.long,bears E.and W.
1.00	North edge of pond,bears E.and W.
11.40	Top of ridge,100 ft.above pond,bears E.and W.
	Desc.
17.70	Road from Orderville to saw mill,bears NW and SE.
30.80	Top of ridge,100 ft.above hollow,bears E.and W.
	Desc.
36.50	Bottom of hollow,40 ft.below ridge,course W.
	Asc.
37.80	Top of ridge,60 ft.above hollow,bears E.and W.
	Desc.
40.00	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor..mkd.on brass cap ¼ S 1 in W half and S 6 in E half;from which
	A cedar,5 ins.dia.,bears N.5°30'E.,69 lks. dist..mkd.¼ S 6 B T.

East bdy.of T.41 S.,R.9 W.-Continued.

Chains	
	A cedar,6 ins.dia.,bears N.67°50'W.,49 lks. dist..mkd.¼ S 1 B T.
46.60	Road to Crawford's ranch,bears N.70°W.and S.70°E.
47.30	Point from which William Crawford's house bears S.80°45' W.,about 8.00 chs.
59.50	Top of ridge,300 ft.above hollow,bears E.and W.
	Desc.
63.00	Bottom of hollow,60 ft.below ridge,course W.
	Asc.
65.00	Top of ridge,70 ft.above hollow,bears E.and W.
	Desc.
72.00	Bottom of hollow,80 ft.below ridge,course W.
	Asc.
77.00	Top of ridge,60 ft.above hollow,bears E.and W.
	Desc.
80.97	Intersect Eighth Standard Parallel South,4.84 chs.East of the Standard cor.of Tps.40 S.,Rs.8 and 9 W.,which is a sandstone,12x8x5 ins.,above ground,firmly set,and mkd.and witnessed as described by the surveyor general. Set an iron post,3 ft.long,3 ins.in dia.,24 ins.in the ground,for closing cor.of Tp.41 S.,Rs.8 and 9 W.,mkd.on brass cap
	T 40 S R 9 W S 36 R 8 W S 31 in N half.
	C C T 41 S in S half.
	R 8 W S 6 in SE.;and
	R 9 W S 1 in SW.quadrants;from which
	A cedar,12 ins.dia.,bears S.36°50'E.,73 lks. dist..mkd.T 41 S R 8 W S 6 B T.
	A pinon pine,8 ins.dia.,bears S.20°30'W.,341 lks. dist..mkd.T 41 S R 9 W S 1 B T.
	Land,mountainous.
	Soil,sandy loam and rocky;2nd and 4thrate.
	Timber,cedar and pinon pine.
	Good grass for grazing.

East bdy.of T.41 S.,R.9 W.-Continued.

Chains

Mountainous or heavily timbered land,80.97 chs.

August 18,1909:At the noon hour the sky is overcast and solar observations are impossible.

August 18,1909.

Boundries of T.41 S.,R.9 W.

Latitudes,departures,and closing errors.

Line designated	Courses	distances.	Latitudes N.	Latitudes S	Departures. E	Departures. W
		chs.	chs.	chs.	chs.	chs.
W.bdy.T.41 S.,R.9 W.	North	480.46	480.46			
8th Standard Par. S.	East	477.75			477.75	
E.bdy.T.41 S.,R.9 W.	South	480.97		480.97		
S.bdy.T.41 S.,R.9 W.	N.89°59'W	477.71	.14			477.71
Convergency					.55	
Total			480.60	480.97	478.30	477.71
				480.60	477.71	
Error in lat.				.37		
Error in dep.					.59	

General Description.

Note:For general description see notes of Subdivision of T.41 S.,R.9 W.

August 18,1909.

Frank C French

U.S.Deputy Surveyors.

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Page

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by Frank C. French, 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 E. N. and W. bdys. of T. 44 S. R. 7 W.; W. and N. bdys. T. 43 S. R. 9 W.; E. and W. bdys. T. 41 S. R. 9 W. of Salt Lake Base and Meridian, Utah. showing the respective capacities in which they acted:

John T. Jarvis, Chainman.
M. Hyrum Harris, Chainman.
William H. Stratton, Moundman.
Edmund A. Hendrix, Moundman.
John A. Humphries, Axman.
Lawrence C. Snow, Axman.
Carl F. Eyring, Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted Frank C. French, United States Deputy Surveyor, in surveying all those parts or portions of the E. N. and W. bdys. of T. 44 S. R. 7 W.; W. and N. bdys. T. 43 S. R. 9 W.; E. and W. bdys. of T. 41 S. R. 9 W. of the Salt Lake Base and meridian, State of Utah, which are represented in the foregoing field notes as having been surveyed by him and under his direction; and that said survey has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the corner monuments established, according to the instructions furnished by the United States Surveyor General for Utah

John T. Jarvis, Chainman.
M. Hyrum Harris, Chainman.
William H. Stratton, Moundman.
Edmund A. Hendrix, Moundman.
John A. Humphries, Axman.
Lawrence C. Snow, Axman.
Carl F. Eyring, Flagman.

Subscribed and sworn to before me this 7th day of October, 190

SEAL

Frank C. French
U. S. Deputy Surveyor

G—151

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, Frank C. French, United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from Thomas Hull United States Surveyor General for Utah, bearing date of the 17th day of March, 1909, 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 E. N. and W. bdys. of T. 44 S. R. 7 W. and N. bdys. T. 43 S. R. 9 W.; E. and W. bdys of T. 41 S. R. 9 W.

of the Salt Lake Base and meridian, in the State of Utah, which are represented in the foregoing field notes in books "A" "I" & "N" 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.

Frank C. French
United States Deputy Surveyor

Subscribed by said Frank C. French, and sworn to before me this 22 day of January, 1910, ~~190x~~

Thomas Hull
U. S. Surveyor-General
for Utah.

SEAL

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, June 27, 1910., ~~190x~~

The foregoing field notes of the survey of the West and East Boundaries of Township No. 41 South, Range No. 9 West of the Salt Lake Base and Meridian, Utah,

executed by Scott P. Stewart and Frank C. French under ~~his~~ their contract No. 308, dated March 17, 1909, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Thomas Hull
United States Surveyor General

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

United States Surveyor General

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BOOK A-353

O.

FIELD NOTES

M.S.B.

OF THE SURVEY OF THE

SUBDIVISION

of

Township No.41 South, Range No.9 West

Of the Salt Lake Base and *Meridian,*

State of Utah.

AS SURVEYED BY

Scott P.Stewart and Frank C.French, *United States Deputy Surveyors,*

Under ~~his~~ their *Contract No.* 308, *dated* March 17,1909. ~~19~~

Survey commenced August 18,1909. ~~19~~

Survey completed April 25, 1910. ~~19~~

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59-71-19

Mornings 6-21-91

BOOK A-353

NAMES AND DUTIES OF ASSISTANTS.

John T.Jarvis	Chainman
M.Hyrum Harris	Chainman
William H.Stratton	Moundman
Edmund A.Hendrix	Moundman
John A.Humphries	Axman
Laurence C.Snow	Axman
Carl F.Eyring	Flagman

For preliminary affidavits see book "D" Tp. 44 S., R. 7 W.

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BOOK A-353

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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 ....., 19

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 ....., 19

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 ....., 19

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 ....., 19

SEAL

Subdivision of T. 41 S., R. 9 W.

Survey commenced August 18, 1909, and executed with a Gurley Explorer's transit No. 957 with solar attachment. The horizontal limb is provided with two double verniers placed opposite to each other, reading to single minutes of arc; which is also the least count of the latitude and declination arcs. The instrument was examined, tested on the meridian at Salt Lake City, found correct, and was approved by the surveyor general for Utah, on July 3, 1909.

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

At the cor. of secs. 1, 2, 35, and 36, on S. bdy. of Tp., latitude 37°12'05"N., longitude 112°46'47"W., I set off 37°12'N., on the lat. arc; 15° 6'N., on the decl. arc; and determine a meridian with the solar, at 5 h 4 m p.m., l.m.t., and mark a point thereof on a stone firmly set in the ground, 5.00 chs. N. of the cor.

At 9 h 45 m p.m., l.m.t., I observe Polaris at eastern elongation, in accordance with the Manual, and mark a point in the line thus determined by a tack driven in a wooden plug set in the ground, 5.00 chs. N. of the cor.

August 18, 1909.

August 19, 1909: At 6 h 30 m a.m., l.m.t., I lay off the azimuth of Polaris 1°28.6' to the west, and mark a point in the meridian thus determined by cutting a small groove in the stone already set 5.00 chs. N. of the cor.; this mark falls 0.35 ins. east of the meridian determined by the solar.

At 7 h 4 m a.m., l.m.t., I set off 37°12'N., on the lat. arc; 12°54'N., on the decl. arc; and determine a meridian with the solar, and mark a point thereof by a cross on the

Subdivision of T.41 S.,R.9 W.-Continued.

Chains

stone already set 5.00 chs.N.of the cor.;this mark falls 0.38 ins.east of the meridian established by Polaris observation;

The solar apparatus by p.m.and a.m.observations defines positions for meridians respectively about 0'18"west and 0'19"east of the meridian established by Polaris observation;therefore I concluded that the adjustments of the instrument are satisfactory.

The magnetic bearing of the meridian,at 7 h 30 m a.m., is N.15°59'W.,the angle thus determined gives the mag.decl.15°59'E.

From the cor.of secs.1,2,35,and 36,on S.bdy.of Tp.

I run

N.0°1'W.,bet.secs.35 and 36.

Over mountainous land;through heavy timber .

Asc.

.80 Begin abrupt ascent over ledges,bears E.and W.

7.30 Top of ledges,500 ft.above sec.cor.,bears E.and W.

Thence over mesa; through scattering timber.

15.00 Leave mesa,bears E.and W.

Desc.gradually.

27.00 Begin abrupt descent,bears NE and SW.

Enter ledges,bears NE and SW.

40.00 Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor..mkd.on brass cap ¼S35 in W half and S 36 in E half;from which

A pinon pine,8 ins.dia.,bears N.80°E.,14 lks. dist..mkd.¼ S 36 B T.

A pinon pine,6 ins.dia.,bears S.40°W.,17 lks. dist..mkd.¼ S 35 B T.

48.00 Bottom of canon,400 ft.below mesa,course W.

Asc.over ledges.

Subdivision of T.41 S.,R.9 W.-Continued.

Chains	
74.50	Top of ascent,400 ft.above hollow,bears E.and W.
	Thence over mesa.
80.00	Set an iron post,3 ft.long,2 ins.in dia.,24 ins.in the ground,for cor.of secs.25,26,35,and 36,mkd.on brass cap
	T 41 S S 26 in NW.
	R 9 W S 25 in NE.
	S 36 in SE.;and
	S 35 in SW.;quadrants;from which
	A yellow pine,6 ins.dia.,bears N.65°45'E.,30 lks. dist..mkd.T 41 S R 9 W S 25 B T.
	A yellow pine,16 ins.dia.,bears S.14°30'E.,41 lks. dist..mkd.T 41 S R 9 W S 36 B T.
	A yellow pine,8 ins.dia.,bears S.61°15'W.,7 lks. dist..mkd.T 41 S R 9 W S 35 B T.
	A pinon pine,6 ins.dia.,bears N.63°30'W.,75 lks. dist..mkd.T 41 S R9 W S 26 B T.
	Land,mountainous and level.
	Soil,sandy loam;2nd rate.
	Timber,cedar and pinon pine and yellow pine.
	Undergrowth, sage
	Good grass for grazing.
	Mountainous or heavily timbered land,80.00 chs.
	S.89°59'E.,on a random line bet.secs.25 and 36.
40.00	Set temp.¼ sec.cor.
80.12	Intersect E.bdy.of Tp.,7. lks.N.of the cor.of secs.25, 30,31,and 36.,heretofore described.
	Thence I run
	N.89°56'W.,on a true lin bet.secs.25 and 36.
	Over mountainous land;through heavy timber and scattering undergrowth.
	Asc.
3.00	Top of ridge,50 ft.above sec.cor.,bears N.and S.

Subdivision of T.41 S.,R.9 W.-Continued.

Chains	
	Desc.
15.00	Bottom of hollow,75 ft.below ridge,course S.
	Asc.
22.00	Top of ridge,60 ft.above hollow,bears N.and S.
	Desc.
31.00	Bottom of hollow,60 ft.below ridge,course S.
	Asc.
40.06	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor..mkd.on brass cap ¼ S 25 in N half and S 36 in S half;from which
	A pinon pine,10 ins.dia.,bears N.44°W.,24 lks. dist..mkd.¼ S 25 B T.
	A pinon pine,14 ins.dia.,bears S.27°W.,33 lks. dist..mkd.¼ S 36 B T.
42.00	Top of ascent,edge of rolling mesa,bears N.and S.
80.12	The cor.of secs.25,26,35,and 36.
	Land,mountainous and nearly level mesa.
	Soil,sandy loam;2nd rate.
	Timber,cedar and pinon pine and yellow pine.
	Undergrowth,sage brush.
	Good grass for grazing.
	Mountainous or heavily timbered land,80.12 chs.
	August 19,1909:At this cor.I set off 12°49'N.;on the decl. arc;and at 0 h 4 m p.m.,l.m.t.,I observe the sun on the meridian,the resulting lat.is 37°13 'N.,which is the proper lat.nearly.
	N.0°1'W.,bet.secs.25 and 26.
	Over rolling mesa;through heavy timber and scattering under growth.
	Desc.gently.
7.00	Leave mesa,bears E and SW.
	Desc.abruptly over ledges.

Subdivision of T.41 S.,R.9 W.-Continued.

Chains	
13.00	Top of perpendicular ledge,200 ft.high,bears NE and SW.
20.00	Bottom of canon,300 ft.below mesa,course W.
	Asc.
34.65	Top of ledge,on ridge,300 ft.above canon,bears E.and W.
	Leave ledges,bears E.and W.
	Desc.
40.00	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor..mkd.on brass cap ¼ S 26 in W half a and S 25 in E half;from which
	A pinon pine,20 in.dia.,bears S.30°E.,38 lks.dist., mkd.¼ S 25 B T.
	A pinon pine,8 ins.dia.;bears N.44°W.,19 lks. dist..mkd.¼ S 26 B T;
45.00	Bottom of hollow,50 ft.below ridge,course SW.
	Asc.
65.00	Top of ridge,350 ft.above hollow,bears E.and W.
	Desc.
80.00	Set an iron post,3 ft.long,2 ins.in dia.,24 ins.in the ground,for cor.of secs.23,24,25,and 26. ;mkd.on brass cap
	T 41 S S 23 in NW.
	R 9 W S 24 in NE.
	S 25 in SE.;and
	S 26 in SW.quadrants;from which
	A pinon pine,10 ins.dia.,bears N.55°30'E.,87 lks. dist..mkd.T 41 S R 9 W S 24 B T
	A pinon pine,8 ins.dia.,bears S.60°15'E.,47 lks. dist..mkd.T 41 S R 9 W S 25 B T.
	A pinon pine,10 ins.dia.,bears S.29°30'W.110 lks. dist..mkd.T 41 S R 9 W S 26 B T.
	A pinon pine,8 ins.dia.,bears N.36°30'W.,123 lks. dist..mkd.T 41 S R 9 W S 23 B T.
	Land,mountainous and level.
	Soil,sandy loam;and rocky;2nd and 4th rate.
	Timber,cedar,pinon pine,and yellow pine.
	Undergrowth,oak and sage brush.

Subdivision of T.41 S.,R.9 W.,-Continued.

Chains	
	Good grass for grazing.
	Mountainous or heavily timbered land,80.00 chs.
	August 19,1909.
	—
	August 20,1909:At 7 h 3 m a.m.,l.m.t.,I set off 37°14'N., on lat.arc, 12°35'N.,on the decl.arc;and determine a meridian with the solar,at the cor.of secs.23,24,25,and 26,
	Thence I run
	S.89°56'E.,on a random line bet.secs.24 and 25.
40.00	Set temp.¼ sec.cor.
80.08	Intersect E.bdy.of Tp.,14 lks.N.of the cor.of secs.19,24, 25.,and 30.heretofore described.
	Thence I run
	N.89°50'W.,on a true line bet.secs.24 and 25.
	Over rolling mesa;through heavy timber and scattering undergrowth.
	Desc.gently.
8.00	Leave mesa,bears N.10°W.and S.10°E.
	Desc.
30.00	Bottom of hollow,50 ft.below mesa,course S.
	Asc.
36.00	Top of ridge,40 ft.above hollow,bears NW and SE.
	Desc.
38.00	Bottom of hollow,20 ft.below ridge,course SE.
	Asc.
40.04	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor..mkd.on brass cap ¼ S 24 in N half and S 25 in S half;from which
	A yellow pine,6 ins.dia.,bears N.46°31'E.,41 lks. dist..mkd.¼ S 24 B T.
	A yellow pine,6 ins.dia.,bears S.1°15'E.,45 lks. dist..mkd.¼ S 25 B T;

Subdivision of T.41 S.,R.9 W.-Continued.

Chains	
45.00	Top of ascent,150 ft.above hollow,bears N.and S.
	Thence over mesa.
73.00	Leave mesa,bears N.and S.
	Desc.
80.08	Point 150 ft.below mesa,bears
	The cor.of secs.23,24,25,and 26.
	Land,mountainous and rolling mesa.
	Soil,sandy loam; and rocky;2nd and 4th rate.
	Timber,cedar,pinon pine,and yellow pine.
	Undergrowth,sage and oak brush.
	Good grass for grazing.
	Mountainous or heavily timbered land,80.08 chs.
	———
	N.0°1'W.,bet.secs.23 and 24.
	Over mountainous land;through heavy timber and scattering undergrowth.
	Desc.
12.00	Bottom of canon,60 ft.below cor.course SW.
	Asc.abruptly.
25.00	Top of steep ascent,150 ft.above canon,bears E.and W.
	Thence over rolling mesa.
	Asc.gradually.
40.00	Set an iron post,3 ft.long,1 in .in dia.,26 ins.in the ground,for ¼ sec.cor..mkd.on brass cap ¼ S 23 in W half and S 24 in E half;from which
	A pinon pine,5 ins.dia.,bears N.85°30'E. 32 lks. dist..mkd.¼ S 24 B T.
	A pinon pine,12 ins.dia.,bears N.65°00'W.,23 lks. dist..mkd.¼ S 23 B T.
49.00	Leave timber and enter dense sage brush,bears E.and W.
	Top of ridge,30 ft.above mesa,bears E.and W.
	Desc.gradually.

Subdivision of T.41 S.,R.9 W.-Continued.

Chains	
80.00	Set an iron post,3 ft.long,2 ins.in dia.,24 ins.in the ground,for cor.of secs.13,14,23,and 24,mkd.on brass cap T 41 S S 14 in NW. R 9 W S 13 in NE. S 24 in SE.;and S 23 in SW.quadrants;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 nearly level mesa. Soil,sandy loam and rocky;2nd and 4th rate. Timber,cedar and pinon pine and yellow pine. Undergrowth,sage brush. Good grass for grazing. Mountainous or heavily timbered land,or land covered with dense undergrowth,80.00 chs. August 20,1909:At this cor.I set off 12°30'N.,on the decl. arc;and at 0 h 3 m p.m.,l.m.t.,I observe the sun on the meridian,the resulting lat.is 37°15'N.,which is the proper lat.nearly.
	S.89°50'E.,on a random line bet.secs.13 and 24.
40.00	Set temp.¼ sec.cor.
80.14	Intersect E.bdy.of Tp.,14 lks.S.of the cor.of secs.13,18, 19,and 24,heretofore described.
	Thence I run
	N.89°56'W.,on a true lin bet.secs.13 and 24.
	Over mountainous land;through heavy timber and scattering undergrowth.
	Asc.
1.50	Top of ascent,20 ft.above sec.cor.,bears N.and S.
	Thence over rolling mesa.
33.00	Leave timber and enter dense undergrowth,bears N.and S.
40.07	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the

Subdivision of T.41 S.,R.9 W.-Continued.

Chains	
	ground,for ¼ sec.cor..mkd.on brass cap ¼ S 13 in N half and S 24 in S half;dig pits,18x18x12 ins.,E.and W.of post; 3 ft.dist.;and raise a mound of earth,3½ ft.base,1½ ft. high,N.of cor.
80.14	The cor.of secs.13,14,23,and 24.
	Land,mountainous and rolling mesa.
	Soil,sandy loam;2nd rate.
	Timber,cedarand pinon pine and yellow pine.
	Undergrowth,sage brush.
	Good grass for grazing.
	Mountainous or heavily timbered land,or land covered with dense undergrowth,80.14 chs.
	August 20,1909.

	August 21,1909:At 7 h 3 m a.m.,l.m.t., I set off 37°15'N. on the lat.arc;12°15'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°1'W.,bet.secs.13 and 14.
	Over rolling mesa;through dense sage brush.
	Desc.gently.
30.00	Road from Orderville to saw mill,bears E.and W.
40.00	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor..mkd.on brass cap ¼ S 14 in W half and S 13 in E half;dig pits,18x18x12 ins.,N.and S.of post; 3 ft.dist.;and raise a mound of earth,3½ ft.base,1½ ft. high,W.of cor.
62.50	Leave mesa,bears SE and SW.
	Leave undergrowth and enter heavy timber,bears SE and SW.
	Asc.
77.50	Top of ridge,200 ft.above mesa,bears NW and SE.
	Desc.

Subdivision of T.41 S.,R.9 W.-Continued.

Chains	
80.00	Set an iron post,3 ft.long,2 ins.in dia.,24 ins.in the ground,cor.cor.of secs.11,12,13,and 14,mkd.on brass cap
	T 41 S S 11 in NW.
	R 9 W S 12 in NE.
	S 13 in SE.;and
	S 14 in SW.quadrants;from which
	A pinon pine,10 ins.dia.,bears N.46°30'E.,68 lks.
	dist..mkd.T 41 S R 9 W S 12 B T.
	A cedar,10 ins.dia.,bears S.56°10'E.,91 lks.
	dist..mkd.T 41 S R 9 W S 13 B T.
	A cedar,4 ins.dia.,bears S.45°W.,62 lks.
	dist..mkd.T 41 S R 9 W S 14 B T.
	A pinon pine,7 ins.dia.,bears N.35°30'W.,73 lks.
	dist..mkd.T 41 S R 9 W S 11 B T.
	Land,mountainous and rolling mesa.
	Soil,sandy loam;2nd rate.
	Timber,cedar,pinon pine,and yellow pine.
	Undergrowth,sage brush.
	Good grass for grazing.
	Mountainous or heavily timbered land,or land covered with dense undergrowth,80.00 chs.
	S.89°56'E.,on a random line bet.secs.12 and 13.
40.00	Set temp.¼ sec.cor.
80.30	Intersect E.bdy.of Tp.,14 lks.S.ot the cor.of secs. 7,12,13,and 18,heretofore described.
	Thence I run
	S.89°58'W.,on a true line bet.secs.12 and 13.
	Over mountainous land;through heavy timber and dense undergrowth.
	Asc.
2.50	Top of ridge,100 ft.above sec.cor.,bears NW and SE.
	Desc.

Subdivision of T.41 S.,R.9 W.-Continued.

Chains	
3.80	Bottom of hollow,100 ft.below ridge,course S.20°E.
	Asc.
16.00	Top of ridge,130 ft.above hollow,bears NW and SE.
	Desc.
19.80	Bottom of ravine,100 ft.below ridge,course SE.
	Asc.abruptly.
27.85	Road from Orderville to saw mill,bears N.80°E.&S.80°W.
37.00	Top of ridge,400 ft.above ravine,bears NW and SE.
	Desc.
40.15	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor.,mkd.on brass cap ¼ S 12 in N half and S 13 in S half;from which
	A pinon pine,8 ins.dia.,bears N.3°W.,47 lks. dist..mkd.¼ S 12 B T.
	A cedar,5 ins.dia.,bears S.53°16'E.,33 lks. dist..mkd.¼ S 13 B T.
41.08	Head of hollow,30 ft.below ridge,course SE.
	Asc. abruptly.
44.00	Top of steep ascent,bears N.and S.
	Asc.gradually.
54.50	Top of ridge,30 ft.above hollow,bears N.and S. Desc.
56.00	Bottom of hollow,30 ft.below ridge,course S.30°E.
	Asc.
64.00	Top of ridge,40 ft.above hollow ,bears N.and S.
	Desc.
74.70	Bottom of hollow,40 ft.below ridge,course S.20°E.
	Asc.
80.30	The cor.of secs.11,12,13,and 14.
	Land,mountainous .
	Soil,sandy loam and rocky;2nd and 4th rate.
	Timber,cedar and pinon pine.
	Undergrowth,oak and service berry brush.
	Good grass for grazing.
	Mountainous or heavily timbered land,or land covered with dense undergrowth,80.30 chs.

Subdivision of T.41 S.,R.9 W.-Continued.

Chains

August 21,1909:At this cor.I set off 12°10'N.,on the decl.arc;and at 0 h 3 m p.m.,l.m.t.,I observe the sun on the meridian,the resulting lat.is 37°16'N.,which is the proper lat.nearly.

N.0°1'W.bet.secs.11 and 12.

Over mountainous land;through scattering undergrowth and heavy timber .

Desc.gradually.

10.60 Head of hollow,2[illegible] ft.below sec.cor.,course S.20°E.

Asc.

25.00 Top of steep ascent,100 ft.above hollow,bears E.and W.

Thence over mesa.

Asc.gently.

Leave heavy and enter scattering timber,bears E.and W.

40.00 Set an iorn post,3 ft.long,1 [illegible]n.in dia.,26 ins.in the ground,for ¼ sec.cor..mkd.on brass cap ¼ S 11 in W half and S 12 in E half;dig pits,18x18x12 ins.,N.and S.of post,3 ft.dist.;and raise a mound of earth,3½ ft.base,1½ ft.high,W.of cor.

70.00 Leave mesa,bears E.and W.

Desc.

74.40 Bottom of canon,100 ft.below mesa,course E.

Asc.

75.00 Enter heavy cedar and pinon pine timber,bears E.and W.

78.00 Top of steep ascent,bears E.and W.

Asc.gradually.

80.00 Set an iron post,3 ft.long,2 ins.in dia.,24 ins.in the ground,for cor.of secs.1,2,11,and 12,mkd.on brass cap

T 41 S S 2 in NW.

R 9 W S 1 in NE.

S 12 in SE.;and

S 11 in SW.quadrants;from which

Subdivision of T.41 S.,R.9 W.-Continued.

Chains	
	A pinon pine,12 ins.dia.,bears N.64°35'E.,24 lks. dist..mkd.T 41 S R 9 W S 1 B T.
	A pinon pine,9 ins.dia.,bears S.30°E.,31 lks. dist..mkd.T 41 S R 9 W S 12 B T.
	A pinon pine,8 ins.dia.,bears S.64°30'W.,73 lks. dist..mkd.T 41 S R 9 W S 11 B T.
	A pinon pine,7 ins.dia.,bears N.43°30'W.,53 lks. dist..mkd.T 41 S R 9 W S 2 B T.
	Land,mountainous and rolling mesa.
	Soil,sandy loam;2nd rate.
	Timber,cedar and pinon pine.
	Undergrowth,sage ,oak,and service berry brush.
	Good grass for grazing.
	Mountainous land,or heavily timbered land,80.00 chs.
	August 21,1909.
	—
	August 22,1909:At 7 h 3 m a.m.,l.m.t.,I set off 37°16'N., on the lat.arc;11°55'N.,on the decl.arc;and determine a meridian with the solar,at the cor.of secs.1,2,11,and 12.
	Thence I run
	N.89°58'E.,on a random line bet.secs.1 and 12.
40.00	Set temp.¼ sec.cor.
80.20	Intersect E.bdy.of Tp.,14 lks.N.of the cor.of secs.1,6,7, and 12,heretofore described.
	Thence I run
	N.89°50'W.,on a true line bet.secs.1 and 12.
	Over mountainous land;through heavy timber and scattering undergrowth.
	Asc.
6.00	Top of ridge,100 ft.above sec.cor.,bears N.10°W.and S.10° E.
	Desc.

Subdivision of T.41 S.,R.9 W.-Continued.

Chains	
21.80	Creek,1 lk.wide,1 in.deep,in bottom of hollow,100 ft. below ridge,course S.
	Asc.
23.00	Top of ridge,20 ft.above hollow,bears N.10°W.and S.10°E.
	Road on top,to Crawfords' Ranch,bears N.10°W.and S.10°E.
	Desc.
30.20	Creek,3 lks.wide,2 ins.deep,in bottom of hollow,80 ft. below ridge,course SE.
	Asc.
40.10	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor..mkd.on brass cap ¼ S 1 in N half and S 12 in S half;from which
	A pinon pine,10 ins.dia.,bears N.38°E.,74 lks. dist..mkd.¼ S 1 B T.
	A pinon pine,8 ins.dia.,bears S.22°45'W.,75 lks. dist..mkd.¼ S 12 B T.
66.00	Begin more gradual ascent,bears N.and S.,600 ft.above hollow.
80;20	The cor.of secs.1,2,11,and 12.
	Land,mountainous .
	Soil,sandy loam and clay loam;2nd rate.
	Timber,cedar and pinon pine.
	Undergrowth,sage,service berry,and oak brush.
	Good grass for grazing.
	Mountainous or heavily timbered land,80.20 chs.
	August 22,1909:At this cor.I set off 11°50'N.,on the decl.arc;and at 0 h 3 m p. m.l.m.t.,I observe the sun on the meridian,the resulting lat.is 37°16'N.,which is the proper lat.nearly.
	N.0°1'W.,on a true line bet.secs.1 and 2.
	Over mountainous land;throughheavy timber and scattering Undergrowth.

Subdivision of T.41 S.,R.9 W.-Continued.

Chains	
	Asc.rapidly.
16.40	Top of ridge,680 ft.above sec.cor.,bears E.and W.
	Desc.
19.50	Bottom of hollow,40 ft.below ridge,course S.70°E.
	Asc.abruptly.
40.00	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor..mkd.on brass cap ¼ S 2 in W half and S 1 in E half;from which
	A pinon pine,12 ins.dia.,bears S.53°30'E.,33 lks. dist..mkd.¼ S 1 B T.
	A pinon pine,10 ins.dia.,bears S.35°15'W.,23 lks. dist..mkd.¼ S 2 B T.
42.00	Top of ridge,30 ft.above hollow,bears NE and SW.
	Desc.
42.10	Leave heavy and enter scattering timber,bears NE and SW.
	Enter dense undergrowth,bears NE and SW.
78.50	Bottom of hollow,40 ft.below ridge,course E.
	Asc.
80.74	Intersect Eighth Standard Parallel South,4.50 chs.East of the Standard cor.of secs.35 and 36,which is a sandstone, 6x8x5 ins.,above ground,firmly set,and mkd.and witnessed as described by the surveyor general.
	Set an iron post,3 ft.long,2 ins.in dia.,24 ins.in the ground,for closing cor.of secs.1 and 2,mkd.on brass cap
	T 40 S R 9 W S 35 S 36 C C in N half.
	S 1 in SE.;and
	S 2 in SW.quadrants;from which
	A cedar,6 ins.dia.,bears S.42°E.,142 lks. dist..mkd.T 41 S R 9 W S.1 B T.
	A pinon pine,16 ins.dia.,bears S.50°15'W.,329 lks. dist..mkd.T 41 S R 9 W S 2 B T.
	Land,mountainous .
	Soil,slay loam;2nd rate.
	Timber,cedar and pinon pine.

Subdivision of T.41 S.,R.9 W.-Continued.

Chains	
	Undergrowth,oak and sage brush.
	Good grass for grazing.
	Mountainous or heavily timbered land,or land covered with dense undergrowth,80.74 chs.
	August 22,1909.

	August 23,1909:At 7 h 3 m a.m.,l.m.t.,I set off 37°12'N., on the lat.arc;11°35'N.,on the decl.arc;and determine a meridian with the solar,at the cor.of secs.2,3,34,and 35,on S.bdy.of Tp.,heretofore described.
	Thence I run
	N.0°1'W.,bet.secs.34 and 35.
	Over mountainous land;through heavy timber and scattering undergrowth.
	Desc.over ledges.
6.00	Bottom of hollow,30 ft.below sec.cor.,course S.80°W.
	Asc.
10.00	Top of spur,60 ft.above hollow,bears E.and W.
	Desc.
12.00	Bottom of same hollow,40 ft.below ridge,course SE.
	Asc.
12.50	Top of spur,20 ft.above hollow,bears E.and W.
	Desc.
14.00	Bottom of same hollow,15 ft.below spur,course SW.
	Asc.
40.00	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor..mkd.on brass cap ¼ S 34 in W half and S 35 in E half;from which
	A cedar,8 ins.dia.,bears S.83°E.,42 lks. dist..mkd.¼ S 35 B T.
	A cedar,7 ins.dia.,bears N.52°W.,46 lks. dist..mkd.¼ S 34 B T.

Subdivision of T.41 S.,R.9 W.-Continued.

Chains

42.00 Top of ridge,200 ft.above hollow,bears S.40°E.and N.40° W.

Desc.

73.50 Bottom of hollow,200 ft.below ridge,course SE.

Asc.

80.00 Set an iron post,3 ft.long,2 ins.in dia.,24 ins.in the ground,for cor.of secs.26,27,34,and 35,mkd.on brass cap

T 41 S S 27 in NW.

R 9 W S 26 in NE.

S 35 in SE.;and

S 34 in SW.quadrants;from which

A cedar,12 ins.dia.,bears N.21°E.,54 lks. dist..mkd.T 41 S R 9 W S 26 B T.

A cedar,18 ins.dia.,bears S.45°E.,70 lks. dist..mkd.T 41 S R 9 W S 35 B T.

A pinon pine,12 ins.dia.,bears S.26°30'W.,12 lks. dist..mkd.T 41 S R 9 W S 34 B T.

A cedar,6 ins.dia.,bears N.62°W.,41 lks. dist.,mkd.T.41 S.,R.9 W.,S 27 B T.

Land,mountainous .

Soil,sandy loam;2nd rate;and rocky;4th rate.

Timber ,cedar and pinon pine.

Undergrowth,sage brush.

Good grass for grazing.

Mountainous or heavily timbered land,80.00 chs.

S.89°59'E.,on a random line bet.secs.26 and 35.

40.00 Set temp.¼ sec.cor.

80.14 Intersect N.and S.line,2 lks.S.of the cor.of secs.25,26, 35,and 36.

Thence I run

West,on a true line bet.secs.26 and 35.

Subdivision of T.41 S.,R.9 W-Continued.

Chains	
	Over mesa;through heavy timber and scattering undergrowth.
	Desc.gently.
1.00	Leave mesa,bears N.and S.
	Desc.abruptly over ledges.
3.00	Foot of perpendicular ledge,75 ft.high,bears N.and S.
5.50	Top of ledge,75 ft.high,bears N.and S.
	Continue descent over ledges.
30.00	Bottom of canon,500 ft.below sec.cor.,course S.
	Asc. Leave ledges,bears N.and S.
40.07	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor..mkd.on brass cap ¼ S 26 in N half and S 35 in S half;from which
	A pinon pine,8 ins.dia.,bears N.47°W.,44 lks. dist..mkd.¼ S 26 B T.
	A cedar,7 ins.dia.,bears S.46°W.,25 lks. dist..mkd.¼ S 35 B T.
48.00	Wash,30 lks.wide,4 ft.deep,course S.
	Asc.
57.00	Top of ridge,300 ft.above canon,bears N.15°E.and S.15°W.
	Desc.
80.14	The cor.of secs.26, 27,34,and 35.
	Land,mountainous
	Soil,sandy loam and rocky;2nd and 4th rate.
	Timber,cedar and pinon pine.
	Undergrowth,sage brush.
	Good grass for grazing.
	Mountainous or heavily timbered land,or land covered with dense undergrowth,80.14 chs.
	August 23,1909:At this cor.I set off 11°29'N.,on the decl. arc;and at 0 h 3 m p.m.,l.m.t.,I observe the sun on the meridian ,the resulting lat.is 37°13'N.,which is the proper lat.nearly.

N.0°1'W.,bet.secs.26 and 27.

Subdivision of T. 41 S., R. 9 W.- Continued.

Chains	
	Over mountainous land; through scattering undergrowth and heavy timber. Desc.
1.30	Bottom of hollow, 20 ft.below sec.cor., course W. Ascend.
5.00	Top of ridge, 30 ft.above hollow, bears E. and W. Desc.gradually.
15.50	Bottom of hollow, 20 ft.below ridge, course SW. Ascend.
39.00	Top of ridge, 100 ft.above hollow,bears NE. and SW.Desc.
40.00	Set an iron post 3 ft.long, 1 in.dia., 26 ins.in the ground for ¼ sec.cor., mkd.on brass cap, ¼ S 27 in W. half and S 26 in E.half; from which
	A pinon pine, 5 ins.dia., bears S.10° 30'E. 46 lks.dist., mkd.¼ S 26 B T
	A cedar 18 ins.dia.bears S.49° W. 22 lks.dist., mkd.¼ S 27 B T
46.30	Bottom of hollow, 40 ft.below ridge, course SW. Asc.abruptly over ledges.
59.70	Top of ledge, 600 ft.above hollow, bears NW. and SE. Leave ledges, bearing NW. and SE. Continue ascent.
74.50	Top of ridge,800 ft.above hollow,bears NW. and SE.Desc.
80.00	Set an iron post 3 ft.long, 2 ins.dia., 24 ins.in the ground, for cor.of secs.22,23,26, and 27, mkd.on brass cap,
	T 41 S S 22 in NW.
	R 9 W S 23 in NE.
	S 26 in SE., and
	S 27 in SW.quadrants; from which
	A pinon pine, 10 ins.dia., bears N.50° 35'E. 82 lks.dist.,mkd.T 41 S R 9 W S 23 B T
	A pinon pine, 7 ins.dia.bears S.60° 05'E. 59 lks. dist., mkd.T 41 S R 9 W S 26 B T
	A pinon pine, 10 ins.dia.bears S.42° 49'W. 82 lks.

Chains.	
	dist., mkd.T 41 S R 9 W S 27 B T
	A pinon pine, 8 ins.dia.bears N.67° 45'W. 113 lks. dist., mkd.T 41 S R 9 W S 22 B T
	Land, mountainous.
	Soil, sandy loam and rocky; 2nd and 4th rates.
	Timber, cedar, pinon pine, and yellow pine.
	Undergrowth, sage, larb, and bitter brush.
	Good grass for grazing.
	Mountainous or heavily timbered land 80.00 chs.
	August 23, 1909.
	Note:
	April 25, 1910: The Examiner of Surveys having found error in the lengths of the E. and W.halves of the line between secs.23 and 26, I resurvey the line as follows:
	East on a random line bet.secs. 23 and 26,
40.00	Set temp. ¼ sec.cor.
79.88	Intersect N. and S.line 10 lks.S.of the cor.of secs.23, 24,25, and 26. Thence I run
	S.89° 56'W.on true line bet.secs.23 and 26, Over mountainous land; through heavy timber and scattering undergrowth. Desc.
2.00	Bottom of hollow, 75 ft.below sec.cor., course SW. Asc.
4.90	Top of ridge, 40 ft.above hollow, bears N. and S.Desc.
6.00	Bottom of hollow, 20 ft.below ridge, course S. Ascend abruptly.
34.00	Top of ridge, 200 ft.above hollow, bears N. and S. Desc.
37.00	Bottom of canon,400 ft.below ridge, course S. Ascend abruptly.
39.94	Point for ¼ sec.cor.falls on ledges;post cor.cannot be set.

Subdivision of T. 41 S., R. 9 W.- Continued.

Chains.	
40.20	Set an iron post, 3 ft.long, 1 in.dia., 26 ins.in ground for witness ¼ sec.cor., mkd.on brass cap, T 41 S R 9 W W C ¼ S 23 in N.half, S 26 in S.half; from which
	A pinon pine, 12 ins.dia.bears N.71° 10'W. 37 lks. dist., mkd.W C ¼ S 23 B T
	A pinon pine, 7 ins.dia.bears S.71° W. 23 lks.dist. mkd.W C ¼ S 26 B T
45.00	Top of ridge, 100 ft.above hollow, bears NW. and SE.
	Desc.
55.70	Bottom of canon, 100 ft.below ridge, course S.60° E.
	Asc.
65.00	Top of ridge, 100 ft.above canon, bears N. and S.
	Desc.
70.00	Bottom of hollow, 100 ft.below ridge, course NE.
	Asc.
79.88	The cor.of secs.22,23,26, and 27.
	Land, mountainous.
	Soil, sandy loam and rocky; 2nd and 4th rate.
	Timber, cedar and pinon pine.
	Undergrowth, mahogany, bitter brush, and sagebrush.
	Good grass for grazing.
	Mountainous or heavily timbered land 79.88 chs.
	April 25,1910.

Aug.24,1909: At 7 h. 2 m.a.m.l.m.t.I set off 37° 14'N. on the lat.arc; 11° 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° 1'W.bet.secs.22 and 23,

Over mountainous land; through scattering timber and dense undergrowth. Desc.

15.00	Head of hollow,300 ft.below sec.cor.,course E. Asc.

Subdivision of T. 41 S., R. 9 W.- continued.

Chains.	
25.00	Top of ridge, 300 ft.above canon, bears E. and W. Descend over rolling mesa.
25.50	Enter heavy timber, bears E. and W.
40.00	Set an iron post, 3 ft.long, 1 in.dia., 26 ins.in the ground, for ¼ sec.cor., mkd.on brass cap ¼ S 22 in W. half and S 23 in E.half; from which A cedar 18 ins.dia.bears N.27° E. 24 lks.dist. mkd.¼ S 23 B T A pinon pine, 24 ins.dia.bears S.34° 15'W. 48 lks. dist., mkd.¼ S 22 B T
60.00	Leave heavy and enter scattering timber, bears E. and W. Begin steeper descent,bears E. and W. Leave mesa, bears E. and W.
80.00	Set an iron post 3 ft.long, 2 ins.dia., 24 ins.in the ground, for cor.of secs.14,15,22,and 23,mkd.on brass cap T 41 S S 15 in NW. R 9 W S 14 in NE. S 23 in SE., and S 22 in SW.quadrants; from which A cedar 12 ins.dia.bears N.79° E. 94 lks.dist. mkd.T 41 S R 9 W S 14 B T A cedar 12 ins.dia.bears S.21° 40'E. 78 lks.dist. mkd.T 41 S R 9 W S 23 B T A cedar 7 ins.dia.bears S.6° 45'W. 134 lks.dist. mkd.T 41 S R 9 W S 22 B T A pinon pine, 5 ins.dia.bears N.37° 30'W. 167 lks. dist., mkd.T 41 S R 9 W S 15 B T Land, mountainous. Soil, sandy loam and rocky; 2nd and 4th rate. Timber, cedar and pinon pine. Undergrowth sage,oak and bitter brush. Good grass for grazing. Mountainous or heavily timbered land 80.00 chs.

Subdivision of T.41 S.,R.9 W.-Continued.

Chains	
	August 24, 1909: At this cor. I set off 11° 09'N. on the decl. arc; and at 0 h. 2 m. p.m. l.m.t. observe the sun on the meridian; the resulting lat. is 37° 15'N., which is the proper lat. nearly.
	N.89°56'E., on a random line bet. secs.14 and 23.
40.00	Set tem p. ¼ sec.cor.
80.04	Intersect N. and S. line, 12 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 rolling mesa; through dense undergrowth and scattering timber .
	Desc. gently.
40.02	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground, for ¼ sec.cor.. mkd. on brass cap ¼ S 14 in N half and S 23 in S half; from which
	A cedar, 7 ins. dia., bears N.39°50'W., 50 lks. dist.. mkd. ¼ S 14 B T.
	A cedar, 7 ins. dia., bears S.52°30'E., 24 lks. dist.. mkd. ¼ S 23 B T.
45.00	Leave mesa, bears N. and S.
	Desc.
49.00	Bottom of hollow, 30 ft. below mesa, course N.
	Asc.
53.20	Top of ridge, 30 ft. above hollow, bears N. and S.
	Desc.
56.20	Bottom of hollow, 40 ft. below ridge, course N.
	Asc.
63.40	Top of ridge, 100 ft. above hollow, bears N. and S.
	Desc.
77.00	Bottom of hollow, 60 ft. below ridge, course N.
	Asc.
80.04	The cor. of secs.14,15,22, and 23.

Subdivision of T.41 S.,R.9 W.-Continued.

Chains	
	Land,mountainous and rolling mesa.
	Soil,sandy loam and rocky;2nd and 4th rate.
	Timber,cedar and pinon pine.
	Undergrowth,sage ,oak,and service berry brush.
	Good grass for grazing.
	Mountainous land,or land covered with dense undergrowth, 80.04 chs.
	August 24,1909.
	—
	August 25,1909:At 7 h 2 m a.m.,1 m.t.,I set off 37°15'N., on the lat.arc;10°54'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°1'W.,bet.secs.14 and 15.
	Over mountainous land;through dense undergrowth and scattering timber
	Desc.
8.60	Foot of descent,50 ft.below sec.cor.,bears E.and W.
	Enter rolling mesa.
	Leave timber,bears E.and W.
8.70	Road,to Larson's ranch,bears E.and W.
20.00	Leave mesa,bears E.and W.
	Enter heavy timber,bears E.and W.
	Asc.
30.00	Top of ascent,bears E.and W.
	Thence over mesa.
	Desc.gently.
40.00	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor..mkd.on brass cap ¼ S 15 in W half and S 14 in E half;from which
	A cedar,10 ins.dia.,bears N.56°E.,69 lks. dist..mkd.¼ S 14 B T.

Subdivision of T.41 S.,R.9 W.-Continued.

Chains	
	A cedar,7 ins.dia.,bears N.60°30'W.,32 lks.
	dist..mkd.¼ S 15 B T.
	Note;From this cor.John Winder's house bears N.31°05'W.
60.00	Leave timber,bears E.and W.
65;55	Road from Orderville to saw mill,bears N.W.and SE.
78.00	Enter scattering timber,bears E.and W.
80.00	Set an iron post,3 ft.long,2 ins.in dia.,24 ins.in the ground,for cor.of secs.10,11,14,and 15,mkd.on brass cap
	T 41 S S 10 in NW.
	R 9 W S 11 in NE.
	S 14 in SE.;and
	S 15 in SW.;quadrants;from which
	A cedar,5 ins.dia.,bears N.30°10'E.,235 lks.
	dist.,mkd.T 41 S R 9 W S 11 B T.
	A cedar,10 ins.dia.,bears S.62°05'E.,324 lks.
	dist..mkd.T 41 S R 9 W S 14 B T.
	An oak,4 ins.dia.,bears S.76°35'W.,194 lks.
	dist..mkd.T 41 S R 9 W S15 B T.
	A cedar,5 ins.dia.,bears N.41°15'W., 127 lks.
	dist..mkd.T 41 S R 9 W S 10 B T.
	Land,mountainous and rolling mesa.
	Soil,sandy and clay loam;2nd rate.
	Timber,cedar and pinon pine.
	Undergrowth,sage brush.
	Mountainous or heavily timbered land,or land covered with dense undergrowth,80.00 chs.
	———
	S.89°59'E.,on a random line bet.secs.11 and 14.
40.00	Set temp.¼ sec.cor.
79.94	Intersect N.and S.line,16 lks.N.of the cor.of secs.11,12, 13,and 14.
	Thence I run
	N.89°52'W.,on a true line bet.secs.11 and 14.

Subdivision of T.41 S.,R.9 W.-Continued.

Chains	
	Over mountainous land;through heavy timber and dense undergrowth.
	Asc.rapidly.
7.00	Top of ridge,40 ft.above cor.,bears N.and S.
	Desc.
12.00	Bottom of hollow,25 ft.below ridge,course S.
	Asc.
20.00	Top of ridge,30 ft.above hollow,bears N.and S.
	Desc.
29.00	Wash,30 lks.wide,4 ft.deep,in hollow,course S.
	Asc.
37.00	Top of ridge,40 ft.above wash,bears N.and S.
	Desc.
39.97	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor..mkd.on brass cap ¼ S 11 in N half and S 14 in S half;from which
	A pinon pine,6 ins.dia.,bears N.11°15'W.,45 lks. dist..mkd.¼ S 11 B T.
	A cedar,12 ins.dia.,bears S.9°15'W.,32 lks. dist..mkd.¼ S 14 B T.
40.20	Bottom of hollow,25 ft.below ridge,course S.
	Asc.
43.70	Top of ridge,25 ft.above hollow,bears N.and S.
	Desc.
46.00	Bottom of hollow,30 ft.below ridge,course S.
	Asc.
50.40	Top of ridge,30 ft.above hollow,bears N.and S.
	Desc.
52.50	Bottom of hollow,50 ft.below ridge,course S.
	Asc.
59.00	Top of ridge,50 ft.above hollow,bears N.and S.
	Desc.
62.00	Bottom of hollow,40 ft.below ridge,course S.30°E.
	Asc.
70.00	Top of ridge,40 ft.above hollow,bears N.and S.

Subdivision of T.41 S.,R.9 W.-Continued.

Chains	
	Desc.
75.00	Foot of descent,120 ft.below ridge,bears N.and S.
	Thence over rolling mesa.
79.94	The cor.of secs.10,11,14,and 15.
	Land,mountainous and rolling mesa.
	Soil,sandy and clay loam;2nd rate.
	Timber,cedar and pinon pine.
	Undergrowth,sage brush.
	Good grass for grazing.
	Mountainous or heavily timbered land,or land covered with dense undergrowth,79.94 chs.
	August 25,1909:At the noon hour the sky is overcast and solar observations are impossible.
	—
	N.0°1'W.,bet.secs.10 and 11.
	Over rolling mesa;through dense undergrowth and scattering timber.
	Desc.gently.
.70	Wash,15 lks.wide,6 ft.deep,course S.70°W.
	Asc.gently.
5.00	Enter heavy cedar and pinon pine timber ,bears E.and W.
	Leave undergrowth,bears E.and W.
	Leave mesa,bears E.and W.
	Asc.abruptly.
35.00	Top of ridge,500 ft.above mesa,bears E.and W.
	Desc.abruptly.
39.90	Bottom of hollow,140 ft.below ridge,course S.60°W.
	Asc.abruptly.
40.00	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor..mkd.on brass cap ¼ S 10 in W half and S 11 in E half;from which
	A pinon pine,8 ins.dia.,bears N.84°15'E.,31 lks. dist..mkd.¼ S 11 B T.

Subdivision of T.41 S.,R.9 W.-Continued.

Chains	
	A pinon pine,4 ins.dia.,bears N.74°W.,5 lks. dist..mkd.¼ S 10 B T.
50.50	Top of ridge,200 ft.above hollow,bears E.and W.
	Desc.
62.00	Bottom of hollow,140 ft.below ridge,course W.
	Asc.
66.00	Top of ridge,40 ft.above hollow,bears N.80°E.and S.80°W.
	Desc.
69.50	Bottom of hollow,50 ft.below ridge,course S.80°W.
	Asc.
72.50	Top of steep ascent,bears N.80°E.and S.80°W.
	Continue ascent gradually.over mesa.
80.00	Set an iron post,3 ft.long,2 ins.dia.,24 ins.in the ground,for cor.of secs.2,3,10,and 11,mkd.on brass cap
	T 41 S S 3 in NW.
	R 9 W S 2 in NE.
	S 11 in SE.;and
	S 10 in SW.quadrants;from which
	A cedar,5 ins.dia.,bears N.12°E.,73 lks.
	dist..mkd.T 41 S R 9 W S 2 B T.
	A pinon pine,8 ins.dia.,bears S.47°E.,140 lks.
	dist..mkd.T 41 S R 9 W S 11 B T.
	A pinon pine,7 ins.dia.,bears S.27°40'W.,79 lks.
	dist..mkd.T 41 S R 9 W S 10 B T.
	A cedar,7 ins.dia.,bears N.69°3'W.,85 lks.
	dist..mkd.T 41 S R 9 W S 3 B T.
	Land,mountainous and level.
	Soil sandy and clay loam;2nd rate.
	Timber,cedar and pinon pine.
	Undergrowth,sage brush.
	Good grass for grazing.
	Mountainous or heavily timbered land,or land covered with dense undergrowth,80.00 chs.

August 25,1909.

Subdivision of T.41 S.,R.9 W.-Continued.

Chains	
	August 26,1909:At 7 h 2 m a.m.,l.m.t.,I set off 37°16'N., on the lat.arc;10°33'N.,on the decl.arc;and determine a meridian with the solar,at the cor.of secs.2,3,10,and 11.
	Thence I run
	S.89°52'E.,on a random line bet.secs.2 and 11.
40.00	Set temp.¼ sec.cor.
80.02	Intersect N.and S.line,5 lks.S.of the cor.of secs.1,2,11, and 12.
	Thence I run
	N.89°54'W.,on a true line bet.secs.2 and 11.
	Over mountainous land;through heavy timber and dense undergrowth.
	Desc.
4.40	Bottom of hollow,60 ft.below sec.cor.,course S.20°E.
	Asc.
16.00	Top of ascent,100 ft.above hollow,bears N.and S.
	Leave heavy and enter scattering timber,bears N.and S.
	Thence over mesa.
35.70	Trail,bears N.80°W.and S.80°E.
40.01	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the gro ground,for +¼ sec.cor..mkd.on brass cap ¼ S 2 in N half a and S 11 in S half;from which
	A pinon pine,4 ins.dia.,bears S.2°35'E.,93 lks. dist..mkd.¼ S 11 B T.
	No other trees within limits;raise a mound of stone,2 ft. base,1½ ft.high,N.of cor.
47.00	Enter heavy timber,bears N.and S.
58.00	Leave mesa,bears NW and SE.
	Desc.
61.30	Bottom of hollow,40 ft.below mesa,course SE.
	Asc.
72.70	Top of ridge,40 ft.above hollow,bears NW and SE.
	Desc.

Subdivision of T.41 S.,R.9 W.-Continued.

Chains	
75.90	Bottom of hollow,50 ft.below ridge,course S.
	Asc.
79.00	Top of ridge,40 ft.above hollow,bears N.and S.
	Desc.gradually over rolling mesa.
80.02	The cor.of secs.2,3,10,and 11.
	Land,mountainous and rolling .
	Soil,sandy and clay loam;2nd rate.
	Timber,cedar, and pinon pine.
	Undergrowth,oak and sage brush,and service berry brush.
	Good grass for grazing.
	Mountainous or heavily timbered land,or land covered with dense undergrowth,80.02 chs.
	August 26,1909:At this cor.I set off 10°28'N.,on the decl. arc;and at 0 h 2 m p.m.,l.m.t.,I observe the sun on the meridian the resulting lat.is 37°16'N.,which is the proper lat.nearly.
	N.0°1'W.,on a true line bet.secs.2 and 3.
	Over rolling mesa,through dense undergrowth and scattering timber .
	Asc.gradually.
12.00	Enter heavy timber,bears E.and W.
	Leave mesa,bears E.and W.
	Asc.abruptly.
40.00	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor..mkd.on brass cap ¼ S 3 in W half and S 2 in E half;from which
	A pinon pine,12 ins.dia.,bears N.45°E.,43 lks. dist..mkd.¼ S 2 B T.
	A cedar,14 ins.dia.,bears N.89°15'W.,20 lks. dist..mkd.¼ S 3 B T.
	Note:The SE.cor.of John Winder's house,bears S.33°38'W.

Subdivision of T. 41 S., R. 9 W.- Continued.

Chains.

45.00 Top of ridge, 800 ft.above sec.cor., bears E. and W.

Desc.gently along west slope of mountain.

80.59 Intersect the Eighth Standard Parallel South 4.48 chs.

East of the standard cor.of secs.34 and 35, which is a sandstone 6 x 8 x 7 ins.above ground, firmly set and mkd. and witnessed as described by the surveyor general.

Set an iron post 3 ft.long, 2 ins.in dia., 24 ins.in the ground, for closing cor.of secs.2 and 3, mkd.on brass cap,

T 40 S R 9 W S 34 S 35 C C in N.half,

S 2 in SE., and

S 3 in SW.quadrants; and raise a mound of stone 2 ft.base, 1½ ft.high S.of cor.

Land, mountainous and rolling mesa.

Soil, sandy and clay loam; 2nd rate.

Timber, cedar and pinon pine and yellow pine.

Undergrowth, buck, service berry, and oak brush.

Good grass for grazing.

Mountainous or heavily timbered land, or land covered with dense undergrowth 80.59 chs.

August 26, 1909.

August 27, 1909: At 7 h. 2 m.a.m.l.m.t.I set off 37° 12' N.on the lat.arc; 10° 12'N.on the decl.arc; and determine a meridian with the solar at the cor.of secs.3,4, 33 and 34 on S.bdy.of Tp. heretofore described.

Thence I run

N.0° 2'W.bet.secs.33 and 34,

Over mountainous land; through scattering timber and dense undergrowth

Desc.

Subdivision of T.41 S., R.9 W.- Continued.

Chains.	
4.50	Bottom of hollow, 20 ft.below sec.cor., course NW.
	Asc.
6.50	Top of ridge, 15 ft.above hollow, bears NW. and SE.
	Desc.
15.00	Bottom of hollow, 20 ft.below ridge, course SW.
	Asc.
30.00	Enter heavy timber, bears NE. and SW.
34.00	Top of ridge, 60 ft.above hollow, bears NE. and SW.
	Desc.abruptly.
40.00	Bottom of hollow, 60 ft.below ridge, course W.
	Set an iron post 3 ft.long, 1 in.in dia., 26 ins.in the ground, for ¼ sec.cor., mkd.on brass cap ¼ S 33 in W. half and S 34 in E.half; from which
	A pinon pine 6 ins.dia.bears S.75° 15'E. 56 lks. dist., mkd.¼ S 34 B T
	A yellow pine 7 ins.dia. bears N.88° 30'W. 23 lks. dist., mkd.¼ S 33 B T
	Asc.abruptly.
70.00	Top of ridge, 20 ft.above hollow, bears NE. and SW.
	Desc.
74.00	Bottom of hollow, 20 ft.below ridge, course SW.
	Asc.
80.00	Set an iron post 3 ft.long, 2 ins.in dia., 24 ins.in the ground, for cor.of secs.27,28,33, and 34,mkd.on brass cap,
	T 41 S S 28 in NW.
	R 9 W S 27 in NE.
	S 34 in SE.; and
	S 33 in SW.quadrants; from which
	A pinon pine 14 ins.dia.bears N.76° E.97 lks.dist. mkd.T 41 S R 9 W S 27 B T
	A cedar 20 ins.dia.bears S.55° 30'E. 100 lks.dist. mkd.T 41 S R 9 W S 34 B T
	A cedar 6 ins.dia.bears S.50° 45'W. 44 lks.dist.

S bdivision of T.41 S.,R.9 W.-Continued.

Chains	
	mkd.T 41 S R 9 W S 33 B T
	A cedar,10 ins.dia.,bears N.45°15'W.,73 lks.
	dist..mkd.T 41 S R 9 W S 28 B T.
	Land,mountainous .
	Soil,sandy loam;2nd rate.
	Timber,cedar and pinon pine.
	Undergrowth,sage brush.
	Good grass for grazing.
	Mountainous land,or land covered with dense undergrowth ,
	80.00 chs.
	S.89°59'E.,on a random line bet.secs.27 and 34.
40.00	Set temp.¼ sec.cor.
79.93	Intersect N. nd S.line, 8 lks. N.of the cor.of sec.26,27, 34,and 35.
	Thence I run
	N.89°56'E.,on a true line bet.secs.27 and 34.
	Over mountainous land;through scattering timber and scattering undergrowth.
	Desc.abruptly.
5.10	Bottom of canon,50 ft.below sec.cor.,course S.
	Asc.
11.50	Top of ridge,50 ft.above canon,bears N.and S.
	Desc.
34.00	Desc.abruptly,bears N.and S.
35.00	Bottom f hollow,30 ft.below ridge,course S.
	Asc.
39.40	Foot of nearly vertical ledge,100 ft.high,
	The ¼ sec.cor.will fall on the face of this ledge where it will be impossible to set the cor.therefore at this point:
	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for witness cor.to ¼ sec.cor..mkd.on brass cap W C ¼ S 27 in N half and S 34 in S half;from which

Subdivision of T.41 S.,R.9 W.-Continued.

Chains	
	A cedar,6 ins.dia.,bears N.57°E.,54 lks.dist., mkd. W C ¼ S 27 B T.
	A cedar,10 ins.dia.,bears S.32°E.,35 lks. dist..mkd. W C ¼ S 34 B T.
39.96½	Point for ¼ sec.cor.falls on nearly perpendiculay ledge.
	Cor.not set.
43.65	Top of ridge,350 ft.above bottom of hollow,bears N.30°W.a and S.30°E.
	Desc.abruptly.
60.00	Foor of abrupt descent,300 ft.below ridge,bears N.and S.
	Desc.gradually.
70.00	Bottom of hollow,20 ft.below foot of descent,course SW.
	Asc.
79.93	The cor.of secs.27.28.33.and 34.
	Land,mountainous .
	Soil,sandy loam;2nd rate.
	Timber,cedar and pinon pine.
	Undergrowth,sage brush.
	Good grass for grazing.
	Mountainous land,79.93 chs.
	August 27,1909:At this cor.I set off 10°07'N.,on the decl.arc; and at 0 h 2 m p.m.,l.m.t.,I observe the sun on the meridiam,the resutling lat.is 37°13'N. which is the proper lat.nearly.

	N.0°2'W.,bet.secs.27.and 28.
	Over mountainous land;through heavy timber and scattering undergrowth.
	Asc.
7.50	Top of ascent,bears E.and W.
	Desc.abruptly.
19.00	Bottom of hollow,75 ft.below ascent,course SW.
	Asc.

Subdivision of T 41 S.R.9 W. Continued.

Chains	
22.00	Top of ridge,20 ft.above hollow bears NW and SE.
	Desc.
32.00	Bottom of same hollow,15 ft.below ridge,course SE.
	Asc.abruptly.
38.24	Foot of perpendicular ledge,20 ft.high,

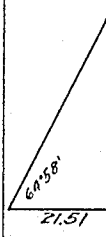
Note:From here north the line runs over a series of ledges over which it is impossible to chain;therefore at this point,

Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for witness cor.to ¼ cor.of secs 27 and 28., mkd.on brass cap W C ¼ S 28 in W half and S 27 in E half ; from which

A cedar,14 ins.dia.,bears S.18°15'E.,105 lks. dist..mkd. W C ¼ S 27 B T.

A yellow pine,16 ins.dia.,bears S.21°15'W.,130 lks. dist..mkd.W C ¼ S 28 B T.

In order to determine the distance to top of ledges, set a flag on line on top of ledges,and measure a base S.89°58'W.,21.51 chs.,to a point from which the flag on top of ledges,bears N.25°E.,making the angle at the base 64°58';I then go to the flag on top of ledges from which the west end of base bears S.25°04'W.,which agrees with the angle taken from the other point;I therefore calculate the distance as follows:



log tan 64°58' + log 21.51 or 10.330668 +1.332640 = 11.663308 = 46.06 chs.

46.06 + 38.24 = 84.30 chs.

84.30	Top of main ledges.

Set an iron post,3 ft.long,2 ins.in dia.,24 ins.in the ground,for witness cor.to cor.of secs.21,22,27,and 28., mkd.on brass cap

T 41 S S 21 in NW.

W C R 9 W S 22 in NE.

S 27 in SE.;and

S 28 in SW.quadrants;from which

Subdivision of T.41 S.,R.9 W.-Continued.

Chains	
	A pinon pine,10 ins.dia.,bears N.19°E.,85 lks. dist.,mkd.W C T 41 S R 9 W S 22 B T.
	A pinon pine,6 ins.dia.,bears S.49°05'E.,24 lks. dist..mkd.W C T 41 S R 9 W S 27 BT.
	A pinon pine,8 ins.dia.,bears S.67°45'W.,72 lks. dist..mkd. W C T 41 S R 9 W S 28 B T.
	A cedar,8 ins.dia.,bears N.9°10'W.,46 lks. dist..mkd. W C T 41 S R 9 W S 21 B T.
80.00	Point for cor.of secs.21,22,27,and 28,falls in precipitious ledges,cor.not set.
	Land,mountainous .
	Soil,sandy loam and rocky;2nd and 4th rate.
	Timber,cedar and pinon pine.
	Undergrowth,sage and oak brush.
	Good grass for grazing.
	Mountainous or heavily timbered land,80.00 chs.
	August 27,1909.

	August 28,1909:At 7 h 1 m a.m.,l.m.t.,I set off 37°14'N., on the lat.arc; 9°51'N.,on the decl.arc;and determine a meridian with the solar,at the witness cor.to cor.of secs. 21,22,27,and 28.
	Thence I run
	S.89°56'E.,on arandom offset line bet.secs.22 and 27.
2.34	Offset south 0°2'E.,4.30 chs.to random line bet.secs.22 and 27.
	Thence I continue S.89°56'E.,on random line bet.secs.22 and 27.
40.00	Set temp.¼ sec.cor.
79.94	Intersect N.and S.line,10 lks.S.of the cor.of secs.22,23, 26,and 27.
	Thence I run

Subdivision of T.41 S.,R.9 W.-Continued.

Chains	
	West,on a true line bet.secs.22 and 27.
	Over mountainous land;through scattering timber and dense undergrowth.
	Asc.
5.00	Top of ridge,15 ft.above sec.cor.,bears N.20°W.and S.20° E.
	Desc.
5.70	Begin abrupt descent over ledges,bears N.20°W.and S.20°E.
10.00	Bottom of sharp hollow,200 ft.below ridge,course S.
	Asc.abruptly over ledges.
17.80	Top of ridge,200 ft.above hollow,bears N.and S.
	Desc.abruptly.over ledges.
21.00	Top of perpendicular ledge,300 ft.high,bears N.and S.
28.00	Bottom of canon,600 ft.below ridge,course S.
	Asc.abruptly over ledges.
39.97	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor..mkd.on brass cap ¼ S 22 in N half and S 27 in S half;from which
	A pinon pine,12 ins.dia.,bears N.45°30'E.,67 lks. dist..mkd.¼ S 22 B T.
	A pinon pine,14 ins.dia.,bears S.17°35'W.,50 lks. dist..mkd.¼ S 27 B T.
44.00	Top of ridge,600 ft.above canon,bears N.and S.
	Desc.abruptly over ledges.
52.00	Bottom of hollow,200 ft.below ridge,course S.
	Asc.abruptly over ledges.
60.00	Top of steep ascent,bears N.and S.
	Leave ledges,bears N.and S.
	Asc.gradually.
67.00	Top of ridge,250 ft.above hollow,bears N.and S.
	Desc.
69.00	Desc.abruptly over ledges,bears N.and S.
75.00	Bottom of hollow,200 ft.below ridge,course S.
	Asc.abruptly over ledges.

Subdivision of T.41 S.,R.9 W.-Continued.

Chains	
77.60	Top of ridge,20 ft.above hollow,bears N.and S.
	Edge of precipitious ledges which continue west to cor. point.
	Set an iron post,3 ft.long,2 ins.in dia.,24 ins.in the ground,for witness cor.to cor.of secs.21,22,27,and 28, mkd.on brass cap
	T 41 S S 21 in NW.
	W C R 9 W S 22 in NE.
	S 27 in SE.;and
	S 28 in SW.;quadrants;from which
	A pinon pine,16 ins.dia.,bears N.40°50'E.,65 lks. dist..mkd. W C.T 41 S R 9 W S 22 B T.
	A pinon pine,6 ins.dia.,bears S.11°35'E.,67 lks. dist..mkd. W C T 41 S R 9 W S 27 B T.
	No othertrees within limits;raise a mound of stone,2 ft.base,1.½ ft.high,W.of cor.
	Thence offset N.0°2'W.,4.30.chs.and on offset line West,2.34 chs. making in all
79.94	The witness cor.to cor.of secs.21,22,27,and 28.
	Land,mountainous .
	Soil,sandy loamd. and rocky;2nd and 4th rate.
	Timber,cedar and pinon pine.
	Undergrowth,sage brush,mahogany ,and bitter brush.
	Good grass for grazing.
	Mountainous land,or land covered with dense undergrowth, 79.94 chs.

N.0°2'W.,bet.secs.21 and 22.,from the witness cor.to cor.of secs.21,22,27,and 28,but counting distances from the point for cor.of secs.21,22,27,and 28.

Over mountainous land;through scattering timber and scattering undergrowth.

Asc.

Subdivision of T.41 S.,R.9 W.-Continued.

Chains	
30.00	Top of ridge,600 ft.above cor.,bears N.70°W.and S.70° E.
	Thence over rolling mesa.
	Enter dense undergrowth,bears N.70°W.and S.70°E.
40.00	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor..mkd.on brass cap ¼ S 21 in W half; and S 22 in E half;from which
	A cedar,34 ins.dia.,bears N.56°15'E.,46 lks. dist..mkd.¼ S 22 B T.
	A pinon pine 14 ins.dia.,bears N.12°30'W.,93 lks.dist..mkd.¼ S 21 B T.
65.40	Leave mesa,bears E.and W.
	Desc.abruptly.
71.70	Top of ledge,30 ft.high,bears E.and W.
	Leave timber,bears E.and W.
73.00	Foot of steep descent,bears E.and W.
	Enter bottom of canon.
77.00	Wash,15 lks.wide,10 ft.deep,course W.
80.00	Set an iron post,3 ft.long,;2 ins.in dia.,24 ins.in the ground,for cor.of secs.15,16,21,and 22,mkd.on brass cap
	T 41 S S 16 in NW.
	R 9 W S 15 in NE.
	S 22 in SE.;and
	S 21 in SW.quadrants;from which
	A cedar,5 ins.dia.,bears N.45°25'E.,94 lks. dist..mkd.T 41 S R 9 W S 15 B T.
	A cedar,5 ins.dia.,bears N.85°W.,227 lks. dist..mkd.T 41 S R 9 W S 16 B T.
	No other trees within limits;raise a mound of stone, 2 ft.base,1½ ft.high,W.of cor.
	Land,mountainous and rolling .
	Soil,sandy loam and clay loam and rocky;2nd and 4th rate.
	Timber,cedar,and pinon pine.
	Undergrowth,sage and oak brush.

Subdivision of T.41 S.,R.9 W.-Continued.

Chains	
	Good grass for grazing.
	Mountainous land,or land covered with dense undergrowth,
	80.00 chs.
	August 28,1909:At this cor.I set off 9°45'N.,on the decl. arc;and at 0 h 1 m p.m.,l.m.t.,I observe the sun on the meridian ,the resulting.lat.is 37°15'N.,which is the proper lat.nearly.
	East,on a random line bet.secs.15 and22.
40.00	Set temp.¼ sec.cor.
80.06	Intersect N.and S.line,5 lks.S.of the cor.of secs.14,15, 22,and 23.
	Thence XI run
	S.89°58'W.,on a true line bet.secs.15 and 22.
	Over mountainous land;through dense undergrowth and scattering timber .
	Asc.
2.00	Top of ridge,30 ft.above hor.,bears N.and S.
	Desc.
7.00	Bottom of hollow,60 ft.below ridge,course N.
	Asc.
8.80	A small spring bears South 50 lks.dist.
11.00	Top of ridge,30 ft.above hollow,bears N.and S.
	Desc.
14.80	Leave timber,bears NE and S.60°W.,
	Foot of descent,bears NE and S.60°W.
	Enter bottom of hollow .
17.70	Fence,bears N.60°E.and S.60°W.
	Enter Chris Larson's field,and cultivated land.
25.00	Leave cultivated land,bears N.and S.
	Enter dense undergrowth,bears N.and S.
33.90	Fence,bears N.and S.
	Leave field.

Subdivision of T.41 S.,R.9 W.-Continued.

Chains

40.03 Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor..mkd.on brass cap ¼ S 15 in N half and S 22 in S half;dig pits,18x18x12 ins.,E.and W.of post,3 ft.dist;and raise a mound of earth,3½ ft.base, 1½ ft.high,N.of cor.

50.10 Wash,10 lks.wide,6 ft.deep,course NW.

59.60 Same wash,50 lks.wide,15 ft.deep,course S.60°W.

80.06 The cor.of secs.15,16,21,and 22.

Land,mountainous and nearly level canon bottom.

Soil,sandy and clay loam;2nd rate.

Timber, cedar and pinon pine.

Undergrowth,oak,service berry,and sage brush.

Good grass for grazing.

Mountainous land,or land covered with dense undergrowth, 80.06 chs.

August 28,1909.

August 29,1909:At 7 h 1 m a.m.,l.m.t.,I set off 37°15'N., on the lat.arc;9°30'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°2'W.,bet.secs.15 and 16.

Over nearly level canon bottom;through dense undergrowth and scattering timber .

Asc.gradually.

5.75 Leave canon bottom,bears E.and W.

Asc.abruptly over ledges.

6.20 Top of ledges,50 ft.above canon bottom,bears E.and W.

Thence over mesa.

14.00 Leave mesa,bears E.and W.

Desc.abruptly over ledges.

17.00 Bottom of hollow,40 ft.below mesa,course E.

Subdivision of T.41 S.,R.9 W.-Continued.

Chains	
	Asc.abruptly over ledges.
26.00	Top of ridge,50 ft.above hollow,bears E.and W.
	Desc.abruptly over ledges.
30.00	Bottom of hollow,40 ft.below ridge,course E.
	Asc.
32.00	Top of ridge,40 ft.above hollow,bears E.and W.
	Leave ledges,bears E.and W.
	Thence over rolling mesa.
40.00	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor..,mkd.on brass cap ¼ S 16 in W half and S 15 in E half;from which
	A pinon pine,4 ins.dia.,bears S.52°30'E.,49 lks. dist..mkd.¼ S 15 B T.
	A pinon pine,5 ins.dia.mbears S.29°W.,150 lks. dist..mkd.¼ S 16 B T.
41.00	Leave timber,bears E.and W.
70.00	Enter scattering timber,bears E.and W.
79.00	Wash,5 ft. deep,15 lks.wide,course E.
	Asc.gradually.
80.00	Set an iron post,3 ft.long,2 ins.in dia.,24 ins.in the ground,for cor.of secs.9,10,15,and 16,mkd.on brass cap
	T 41 S S 9 in NW.
	R 9 W S 10 in NE.
	S 15 in SE.;and
	S 16 in SW.quadrants;from which
	A cedar,8 ins.dia.,bears N.43°30'E.,359 lks. dist..mkd.T 41 S R 9 W S 10 B T.
	A pinon pine,16 ins.dia.,bears S.61°30'E.,327 lks. dist..mkd.T 41 S R 9 W S 15 B T.
	An oak,3 ins.dia.,bears S.71°W.,257 lks. dist..mkd.T 41 S R 9 W S 16 B T.
	A cedar,4 ins.dia.,bears N.30°W.,507 lks.dist., mkd.T 41 S R 9 W S 9 B T.
	Land,mountainous and rolling mesa.
	Soil, sandy and clay loam;2nd rate.

Subdivision of T.41 S.,R.9 W.-Continued.

Chains	
	Timber,cedar and pinon pine.
	Undergrowth,sage and oak brush.
	Good grass for grazing.
	Mountainous land,or land covered with dense undergrowth,
	80.00 chs.
	———
	N.89°58'E.,on a random line bet.secs.10 and 15.
40.00	Set temp.¼ sec.cor.
80.16	Intersect N.and S.line,.9 lks.S.of the cor.of secs.10,11,
	14,and 15.
	Thence I run
	S.89°54'W.,on a true line bet.secs. 10 and 15.
	Over rolling mesa;through scattering timber and dense
	undergrowth.
	Desc.gradually.
1.50	Wash,40 lks.wide,10 ft.deep,course SW.
5.50	Wash,50 lks.wide,10 ft.deep,course S.
19.00	Wash,4 lks.wide,1 ft.deep,course S.30°E.
21.00	Road from Orderville to saw mill,bears N.40°W.and S.40°E.
40.08	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the
	ground,for ¼ sec.cor..mkd.on brass cap ¼ S 10 in N half
	and S 15 in S half;dig pits,18x18x12 ins.,E.and W.of post,
	3 ft.dist.;and raise a mound of earth,3½ ft.base,1½ ft.
	high,N.of cor.
46.00	Leave mesa,bears N.and S.
	Desc.
50.00	Bottom of hollow,50 ft.below mesa,course S.
	Asc.
53.00	Top of ascent,50 ft.above hollow,bears N.5°E.and S.5°W.
	Thence over mesa.
80.16	The cor.of secs.9,10,15,and 16.
	Land,mountainous and rolling.
	Soil,clay loam;2nd rate.

Subdivision of T.41 S.,R.9 W.-Continued.

Chains	
	Timber,cedar and pinon pine.
	Undergrowth,sage ,oak,and bitter brush.
	Good grass for grazing.
	Mountainous land,or land covered with dense undergrowth,
	80.16 chs.
	August 29,1909:At the noon hour the sky is overcast and solar observations are impossible .
	N.0°2'W.,bet.secs.9 and 10.
	Over rolling mesa;through scattering timber and dense undergrowth.
	Asc.gradually.
20.50	Top of ridge,30 ft.above sec.cor.,bears NE and SW.
	Leave mesa,bears NE and SW.
	Desc.
39.00	Bottom of hollow,40 ft.below ridge,course W;
	Asc.
40.00	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor..mkd.on brass cap ¼ S 9 in W half and S 10 in E half;dig pits,18x18x12 ins.,N.and S.of Post,3 ft.dist.;and raise a mound of earth,3½ ft. base,1½ ft.high,W.of cor.
43.00	Top of ridge,10 ft.above hollow,bears E.and W.
	Desc.
60.90	Fence,bears E.and W.
	The east part of this fence forms the north edge of John Winder's cultivated field which is about as shown on the plat.About 10.00 acres of this field is cultivated.
69.75	Road from Orderville to saw mill,bears E.and W.
70.25	Clear,creek,6 lks.wide,2 ft.deep,in bottom of canon,100 ft.below ridge,course SW.
	Enter heavy timber and dense undergrowth,bears NE and SW.

Subdivision of T.41 S.,R.9 W.-Continued.

Chains	
	Asc.
80.00	Set an iron post,3 ft.long,2 ins.in dia.,24 ins.in the co ground,for cor.of secs.3,4,9,and 10,mkd.on brass cap
	T 41 S S 4 in NW.
	R 9 W S 3 in NE.
	S 10 in SE.;and
	S 9 in SW.;quadrants;from which
	A pinon pine,6 ins.dia.,bears N.35°30'E.,41 lks. dist..mkd.T 41 S R 9 W S 3 B T.
	A pinon pine,8 ins.dia.,bears S.41°15'E.,14 lks. dist.,mkd.T.41 S.,R.9 W.,S 10 B T.
	A pinon pine,10 ins.dia.,bears S.39°50'W.,17 lks. dist..mkd.T 41 S R 9 W S 9 B T.
	A pinon pine,7 ins.dia.,bears N.53°10'W.,63 lks. dist..mkd.T 41 S R 9 W S 4 B T.
	Land,mountainous and rolling .
	Soil,clay loam;2nd rate.
	Timber,cedar and pinon pine.
	Undergrowth,oak and sage brush.
	Good grass for grazing.
	Mountainous land,or land covered with dense undergrowth, 80.00 chs.
	August 29,1909.

	August 30,1909:At 7 h 1 m a.m.,l.m.t.,I set off 37°16'N., on the lat.arc;9°09'N.,on the decl.arc;and determine a meridian with the solar,at the cor.of secs.3,4,9,and 10.
	Thence I run
	N.89°54'E.,on a random line bet.secs.3 and 10.
40.00	Set temp.¼ sec.cor.
80.20	Intersect N.and S.line,14 lks.S.of the cor.of secs.2,3,10, and 11.
	Thence I run

Subdivision of T.41 S.,R.9 W.-Continued.

Chains	
	S.89°48'W.,on a true line bet.secs.3 and 10.
	Over rolling mesa;through heavy timber and dense undergrowth.
	Desc.gently.
5.00	Leave mesa,bears N.and S.
	Desc.
10.00	Bottom of hollow,30 ft.below mesa,course S.10°W.
	Asc.
15.00	Top of ridge,15 ft.above hollow,bears NE and SW.
	Desc.
21.00	Bottom of swale,40 ft.below ridge,course SW.
	Asc.
25.00	Top of spur,25 ft.above swale,bears NE and SW.
	Desc.
40.10	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor.,mkd.on brass cap ¼ S 3 in N half and S 10 in S half;from which
	A pinon pine,8 ins.dia.,bears N.2°30'W.,66 lks. dist..mkd.¼ S 3 B T.
	A pinon pine,6 ins.dia.,bears S.64°W.,28 lks. dist..mkd.¼ S 10 B T.
50.00	Begin more gradual descent,bears N.and S.
54.50	Bottom of hollow,75 ft.below ridge,course SW.
	Asc.
56.00	Top of spur,20 ft.above hollow,bears NE and SW.
	Desc.
70.00	Clear creek,6 lks.wide,3 ins.deep,in bottom of canon, 50 ft.below ridge,course S.
	Asc.
80.20	The cor.of secs.3,4,9,and 10.
	Land,mountainous and rolling .
	Soil,sandy and clay loam;2nd rate.
	Timber,cedar and pinon pine.
	Undergrowth,oak.
	Good grass for grazing.

Subdivision of T.41 S.,R.9 W.-Continued.

Chains	
	Mountainous or heavily timbered land,or land covered with dense undergrowth,80.20 chs.
	August 30,1909:At this cor.I set off 9°03'N.,on the decl. arc;and at 0 h'1 m p.m.,l.m.t.,I observe the sun on the meridian,the resulting lat.is 37°16'N.,which is the proper lat.nearly.
	———
	N.0°2'W.,on a true line bet.secs.3 and 4.
	Over mountainous land;through heavy timber and scattering undergrowth.
	Asc.
3.00	Top of small spur,10 ft.above sec.cor.,bears N.70°W.and S. 70°E.
	Desc.
5.00	Bottom of hollow,15 ft.below ridge,course S.75°E.
	Asc.
40.00	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor..mkd.on brass cap ¼ S 4 in W half and S 3 in E half;from which
	A cedar,6 ins.dia.,bears N.73°25'E.,110 lks.dist. mkd.¼ S 3 B T.
	A pinon pine,7 ins.dia.,bears S.2°45'W.,50 lks. dist.,mkd.¼ S 4 B T.
48.00	Top of ridge,200 ft.above hollow,bears E.and W.
	Desc.gradually.
48.10	Leave heavy and enter scattering timber,bears E.and W.
	Enter dense undergrowth,bears E.and W.
53.60	Bottom of hollow,50 ft.below ridge,course SE.
	Asc.gradually over rolling mesa.
55.00	Road from Orderville to saw mill,bears NE and SW.
75.00	Bottom of hollow,30 ft.below ridge,course SE.
	Leave mesa,bears NW and SE.
	Asc.

Subdivision of T.41 S.,R.9 W.-Continued.

Chains	
80.55	Intersect Eighth Standard Parallel South,4.32 chs. East of the standard cor.of secs.33 and 34,which is a sand stone,5x12x8 ins.,above ground,firmly set,and mkd.and witnessed as described by the surveyor general.
	Set an iron post,3 ft.long,2 ins.in dia.,24 ins.in the ground,for closing cor.of secs.3 and 4.,mkd.on brass cap
	T 40 S R 9 W S 33 S 34 C C in N half.
	S 3 in SE.;and
	S 4 in SW.;quadrants;from which
	A pinon pine,12 ins.dia.,bears S.16°25'E.,340 lks. dist..mkd.T 41 S R 9 W S 3 B T.
	A pinon pine,6 ins.dia.,bears S.61°40'W.,71 lks. dist..mkd.T 41 S R 9 W S 4 B T.
	Land,mountainous and rolling .
	Soil,clay loam;2nd rate.
	Timber,cedar and pinon pine.
	Undergrowth,mahogany and bitter brush.
	Good grass for grazing.
	Mountainous or heavily timbered land,80.55 chs.
	August 30,1909.

August 31,1909:At 7 h 0 m a.m.,l.m.t.,I set off 37°12'N., on the lat.arc;8°47'N.,on the decl.arc;and determine a meridian with the solar,at the cor.of secs.4,5,32,and 33, on S.bdy.of Tp.,heretofore described.

Thence I run

N.0°3'W.,bet.secs.32 and 33.

Over mountainous land;through scattering timber and scattering undergrowth.

Asc.

3.50	Top of ridge,30 ft.above sec.cor.,bears NW and SE.

Subdivision of T.41 S.,R.9 W.-Continued.

Chains	
	Desc.
14.00	Bottom of hollow,100 ft.below ridge,course E.
	Asc.
25.00	Top of ridge,100 ft.above hollow,bears E.and W.
	Desc.abruptly over smooth sandstone ledges.
26.07	Begin more abrupt descent,bears E.and W.
40.00	Set an iorn post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor..mkd.on brass cap ¼ S 32 in W half and S 33 in E half;from which
	A yellow pine,5 ins.dia.,bears S.65°30'E.,9 lks. dist..mkd.¼ S 33 B T.
	A yellow pine,4 ins.dia.,bears N.29°W.,24 lks. dist..mkd.¼ S 32 B T.
41.20	Bottom of canon,300 ft.below ridge,course S.20°E.
	Asc.
49.00	Same canon,course S.20°W.
	Asc.
71.20	Top of ridge,150 ft.above hollow,bears NW and SE.
	Desc.
78.00	Same canon,60 ft.below ridge,course S.20°E.
	Asc.
80.00	Set an iron post,3 ft.long,2 ins.in dia.,24 ins.in the ground,for cor.of secs.28,29,32,and 33,mkd.on brass cap
	T 41 S S 29 in NW.
	R 9 W S 28 in NE.
	S 33 in SE.;and
	S 32 in SW.quadrants;from which
	A pinon pine,10 ins.dia.,bears N.22°E.,63 lks. dist..mkd.T 41 S R 9 W S 28 B T.
	A yellow pine,20 ins.dia.,bears S.7°35'E.,335 lks. dist..mkd.T 41 S R 9 W S 33 B T.
	A yellow pine,18 ins.in dia.,bears S.61°10'W.,62 lks.dist..mkd.T 41 S R 9 W S 32 B T.
	A yellow pine,12 ins.dia.,bears N.78°50'W.,43 lks.

Subdivision of T.41 S.,R.9 W.-Continued.

Chains	
	dist..mkd.T 41 S R 9 W S 29 B T.
	Land,mountainous .
	Soil,sandy loam;and rocky;2nd and 4th rate.
	Timber,cedar,pinon pine,and yellow pine.
	Undergrowth,sage and oak brush.
	Good grass for grazing.
	Mountainous land,80.00 chs.
	S.89°59'E.,on a random line bet.secs.28 and 33.
40.00	Set temp.¼ sec.cor.
80.16	Intersect N.and S.line,12 lks.N.of the cor.of secs. 27.28,33,and 34.
	Thence I run
	N.89°54'W.,on a true line bet.secs.28 and 33.
	Over mountainous land;through heavy timber.and scattering undergrowth.
	Desc.over ledges.
5.00	Desc abruptly,bears N.and S.
22.00	Bottom of hollow,150 ft.below sec.cor.,course S.
	Asc.
29.00	Begin more abrupt ascent,bears N.and S.
40.08	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor..mkd.on brass cap ¼ S 28 in N half and S 33 in S half;from which
	A yellow pine,16 ins.dia.,bears N.12°W.,16 lks. dist..mkd.¼ S 28 B T.
	A cedar,13 ins.dia.,bears S.10°E.,9 lks. dist..mkd.¼ S 33 B T.
58.85	Top of ridge,800 ft.above hollow,bears N.and S.
	Desc.abruptly over ledges.
80.16	The cor.of secs.28,29,32and 33.
	Land,mountainous .
	Soil,sandy and rocky;3rd and 4th rate.

Subdivision of T.41 S.,R.9 W.-Continued.

Chains

Timber,cedar and pinon pine and yellow pine.

Undergrowth,sage and oak.

Good grass for grazing.

Mountainous or heavily timbered land,80.16 chs.

August 31,1909:At this cor.I set off 8°41' N.,on the decl. arc;and at 12 h. M.,l.m.t.,I observe the sun on the meridian,the resulting lat.is 37°13'N.,which is the proper lat.nearly.

N.0°3'W.,bet.secs.28 and 29.

Over mountainous land;through scattering timber and scattering undergrowth .

Asc.along east side of canon.

21.50 Foot of sloping sandstone ledge,bears E.and W.

25.60 Highest point on ledge,bears E.and W.

Desc.along northeast slope of hill.

40.00 Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor..mkd.on brass cap ¼ S 29 in W half and S 28 in E half;from which

A yellow pine,30 ins.dia.,bears N.6°50'E.,635 lks.dist.,mkd.¼ S 28 B T.

A yellow pine,14 ins.dia.,bears N.12°15'W.,346 lks. dist..mkd.¼ S 29 B T.

46.25 Bottom of canon,250 ft.below ledge,course SW.

Asc.abruptly over ledges.

54.00 Top of ridge,80 ft.above hollow,bears NW and SE.

Desc.

60.00 Head of canon,70 ft.below ridge,course SE.

Asc.abruptly over ledges,

76.00 Top of ridge,600 ft.above canon,bears NW and SE.

Desc.abruptly over ledges.

79.00 Head of canon,80 ft.below ridge,course SE.

Subdivision of T.41 S.,R.9 W.-Continued.

Chains	Asc.
80.00	Set an iron post,3 ft.long,2 ins.in dia.,24 ins.in the ground,for cor.of secs.20,21,28,and 29,mkd.on brass cap T 41 S S 20 in NW. R 9 W S 21 in NE. S 28 in SE.;and S 29 in SW;quadrants;from which A pinon pine,6 ins.dia.,bears N.25°40'E.,78 lks. dist..mkd.T 41 S R 9 W S 21 B T. A pinon pine,11 ins.dia.,bears S.54°20'W.,90 lks. dist..mkd.T 41 S R 9 W S 29 B T. A cedar,16 ins.dia.,bears N.66°15'W.,13 lks. dist..mkd.T 41 SR 9 W S 20 B T. No other trees within limits;raise a mound of stone, 2 ft.base,1½ ft.high,W.of cor. Land,mountainous . Soil,sandy loam and rocky;2nd and 4thrate. Timber,yellow pine,pinon pine,and cedar. Undergrowth,oak,bitter,and larb brush. Good grass for grazing. Mountainous land,80.00 chs. August 31,1909.
	September 1,1909:At 7 h 30 m a.m.,l.m.t.,I set off 37°14' N.,on the lat.arc;8°25'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 S.89°54'E.,on a random line bet.secs.21 and 28.
40.00	Set temp.¼ sec.cor. From this point east the line is exceptionally rough and impossible to chain;therefore I offset as follows: N.0°2'W.,4.30 chs.;then,on the offset line: S.89°54'E.,

Subdivision of T.41 S.,R.9 W.-Continued.

Chains	
80.02	Intersect N.and S.line,10.1ks. South [illegible],of the witness cor.to cor.of secs.21,22,27,and-28.;which is 4.30 chs. E.0°2'W.,from the true cor.point.
	Thence I run
	N.89°58'W.,on offset true line bet.secs.21 and 28.
40.01	Offset S.0°2'E.,4.30 chs.to point for ¼ sec.cor.on true line.
	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor..mkd.on brass cap ¼ S 21 in N half and S 28 in S half;from whibh
	A cedar,6 ins.dia.,bears N.66°E.,43 lks. dist..mkd.¼ S 21 B T.
	A cedar,10 ins.dia.,bears S.10°E.,26 lks. dist..mkd.¼ S 28 B T.
	Note:The topography on the east half mile is about as follows:
	1.00 Desc .over high sloping ledges,bears N.and S.
	5.00 Foot of ledges,600 ft.below cor.,bears N.and S.
	10.00 Bottom of canon,800 ft.below sec.cor.,course S.
	Asc.
	12.00 Foot of ledges,bears N.and S.
	Asc.abruptly.
	14.00 Top of ledges,600 ft above canon,bears N.and S.
	28.00 Top of steep ascent,800 ft.above canon,bears N.and S.
	Asc.gradually.
	39.00 Top of ridge,1000 ft.above canon,bears N.and S.
	Desc.
	Thence from the ¼ sec.cor. N.89°58'W.,on true line
43.00	Desc.abruptly,bears N.and S.
49.00	Ledge,50 ft.high,bears N.40°W.and S.20°E.
	Desc.over ledges.
52.00	Foot of ledges,400 ft.below ridge,bears N.20°W.and S.20°E.

Subdivision of T.41 S.,R.9 W.-Continued.

Chains	
54.00	Bottom of canon,700 ft.below ridge,course S.
	Asc.abruptly over ledges.
56.00	Begin more abrupt ascent,bears N.and S.
58.00	Top of ledge,100 ft.high,bears N.and S.
65.00	Top of ridge,700 ft.above canon,bears N.and S.
	Desc.abruptly over ledges.
70.00	Head of canon,400 ft.below ridge,course S.
	Asc.abruptly over ledges.
80.02	The cor.of secs.20,21,28,and 29.
	Land,mountainous .
	Soil,sandy and rocky;3rd and 4th rate.
	Timber,pinon pine and cedar.
	Undergrowth,sage,mahogany,and bitter brush.
	Good grass for grazing.
	Mountainous land,80.02 chs.
	N.0°3'W.,bet.secs.20 and 21.
	Over mountainous land;through dense undergrowth and scattering timber .
	Asc.abruptly.
6.70	Top of ridge,200 ft.above sec.cor.,bears E.and W.
	Desc.
11.50	Head of canon,100 ft.below ridge,course NE.
	Asc.
20.00	Top of ridge,40 ft.above canon,bears NE and SW.
	Desc.
30.20	Bottom of hollow,200 ft.below ridge,course N.20°E.
	Asc.
38.50	Top of ridge,40 ft.above hollow,bears NE and SW.
	Desc.
40.00	Foot of sloping ledge,bears NW and SE.
	Set an iron post,3 ft.long,1 ins.in dia.,26 ins.in the ground,for ¼ Sec.cor..mkd.on brass cap ½ S 20 in W half

Subdivision of T.41 S.,R.9 W.-Continued.

Chains	
	and S 21 in E half;from which
	A pinon pine,6 ins.dia.,bears N.10°10'E.,58 lks.
	dist..mkd.¼ S 21 B T.
	A yellow pine,12 ins.dia.,bears N.39°40'W.,87 lks.
	dist..mkd.¼ S 20 B T.
50.00	Foot of steep descent,bears E.and W.
	Enter canon bottom.
59.80	Wash,20 lks.wide,8 ft.deep,course N.80°W.
70.00	Leave canon bottom,bears E.and W.
	Asc.
74.00	Foot of ledge,100 ft.high,bears E.and W.
75.10	Top of same ledge,bears E.and W.
80.00	Set an iron post,3 ft.long,2 ins.in dia.,12 ins.in the ground,and surrounded by mound of stone,for cor.of secs. 16,17,20,and 21,Impossible to set post 24 ins.in ground. Marked brass cap,
	T 41 S S 17 in NW.
	R 9 W S 16 in NE.
	S 21 in SE.;and
	S 20 in SW.quadrants;from which
	A pinon pine,10 ins.dia.,bears N.23°E.,69 lks.
	dist..mkd.T 41 S R 9 W S 16 B T.
	A cedar,6 in.dia.,bears S.8 0°45'W.,83 lks.
	dist..mkd.T 41 S R 9 W S 20 B T.
	A pinon pine,1 7 ins.dia.,bears N.21°16'W.,36 lks.
	dist..mkd.T 41 S R 9 W S 17 B T.
	No other trees within limits;raise a mound of stone,2 ft. base,1½ ft.high,N.of cor.I raise the mound on N.because a ledge prevents putting it on west.
	Land,mountainous and level.
	Soil,sandy and clay loam;2nd rate.
	Timber,cedar and pinon pine.
	Undergrowth,sage and oak brush.
	Good grass for grazing.
	Mountainous land,or land covered with dense undergrowth,

Subdivision of T.41 S.,R.9 W.-Continued.

Chains	
	80.00 chs.
	September 1,1909:At this cor.I set off 8°20'N.,on the decl.arc;and at 12 h. M.,l.m.t.,I observe the sun on the meridian,the resulting lat.is 37°15'N.,which is the proper lat.nearly.
	———
	S.89°58'E.,on random line bet.secs.16 and 21.
40.00	Set temp.¼ sec.cor.
80.10	Intersect N.and S.line,10 lks.N.of the cor.of secs.15,16, 21,and 22.
	Thence I run
	N.89°54'W.,on a true line bet.secs.16 and 21.
	Over mountainous land;through dense undergrowth and scattering timber .
	Desc.gently in canon bottom .
27.00	Leave canon bottom,bears N.80°E.and S.80°W.
	Asc.
32.00	Top of ridge,80 ft.above canon,bears N.and S.
	Desc.
34.70	Foot of descent,100 ft.below ridge,bears NW and SE.
	Enter canon bottom .
40.05	Set an iron post,3 ft.long,1 ins.in dia.,26 ins.in the ground,for ¼ sec.cor..mkd.on brass cap ¼ S 16 in N half and S 21 in S half;from which
	A cedar,8 ins.dia.,bears N.63°30'E.,118 lks. dist.,mkd.¼ S 16 B T.
	A cedar,4 ins.dia.,bears S.20°30'E.,143 lks. dist..mkd.¼ S 21 B T.
42.00	Leave canon,bears NE and SW.
	Asc. over ledges.
44.60	Top of ridge,80 ft.above canon,bears N.and S.
	Desc.
49.80	Bottom of hollow,100 ft.below ridge,course S.

Subdivision of T.41 S.,R.9 W.-Continued.

Chains	
	Asc.abruptly.
61.00	Top of ledge,40 ft.high,bears N.and S.
	Thence over mesa.
65.18	Leave mesa,bears N.and S.
	Desc.abruptly over ledges.
73.50	Bottom of hollow,400 ft.below mesa,course S.
	Asc.
78.20	Foot of sloping ledge,80 ft.high,bears NE and SW.
80.10	The cor.of secs.16,17,20,and 21.
	Land,mountainous and level.
	Soil,sandy and clay loam;2nd rate.
	Timber,cedar and pinon pine.
	Undergrowth,sage,oak,and bitter brush.
	Good grass for grazing.
	Mountainous land,or land covered with dense undergrowth, 80.10 chs.
	September 1,1909.
	—
	September 2,1909:At 7 h 30 m a.m.,l.m.t.,I set off 37°15' N.,on the lat.arc;8°03'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°3'W.,bet.secs.16 and 17.
	Over mountainous land;through dense undergrowth and heavy timber .
	Asc.
6.00	Top of ridge,40 ft.above sec.cor.,bears NW and SE.
	Desc.
10.00	Head of steep gulch,40 ft.below ridge,course SE.
	Asc.abruptly.
10.70	Ledge,20 ft.high,bears N.80°W.and S.80°E.
22.50	Top of ascent,400 ft.above sec.cor.,bears E.and W.
	Thence over mesa.
31.20	Leave mesa,bears E.and W.

Subdivision of T.41 S.,R.9 W.-Continued.

Chains	
	Desc.abruptly .
40.00	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor..mkd.on brass cap ¼ S 17 in W half and S 16 in E half;from which
	A pinon pine,14 ins.dia.,bears N.66°E.,27 lks. dist..mkd.¼ S 16 B T.
	A pinon pine,10 ins.dia.,bears N.72°W.,20 lks. dist..mkd.¼ S 17 B T.
52.00	CLear creek,3 lks.wide,3 ins.deep,in bottom of canon,700 ft. below ridge,course S. 60°W.
	Asc.abruptly.
80.00	Set an iron post,3 ft.long,2 ins.in dia.,24 ins.in the ground,for cor.of secs.8,9,16,and 17,mkd.on brass cap
	T 41 S S 8 in NW.
	R 9 W S 9 in NE.
	S 16 in SE.;and
	S 17 in SW.;quadrants;from which.
	A pinon pine,16 ins.dia.,bears N.28°55'E.,46 lks. dist..mkd.T 41 S R 9 W S 9 B T.
	A cedar,10 ins.dia.,bears S.27°00'E.,63 lks. dist..mkd.T 41 S R 9 W S 16 B T.
	A cedar,10 ins.dia.,bears S.61°45'W.,51 lks. dist..mkd.T 41 S R 9 W S 17 B T.
	A pinon pine,12 ins.dia.,bears N.56°15'W.,23 lks. dist..mkd.T 41 S R 9 W S 8 B T.
	Land,mountainous and level.
	Soil,sandy and clay loam;2nd rate.
	Timber,cedar and pinon pine.
	Undergrowth,oak,larb and service berry brush.
	Good grass for grazing.
	Mountainous or heavily timbered land,or land covered with dense undergrowth,80.00 chs.

Subdivision of T.41 S., R.9 W.-Continued.

Chains	
	S.89°54'E.,on a random line bet.secs.9 and 16.
40.00	Set temp.¼ sec.cor.
80.30	Intersect N.and S.line,10 lks.N.of the cor.of secs. 9,10,15,and 16.
	Thence I run
	N.89°50'W.,on a true line bet.secs.9 and 16.
	Over rolling mesa;through dense undergrowth and scattering timber.
	Desc.gradually.
3.10	Wash,10 lks,wide,2 ft.deep,course SE.
	Asc.gently.
17.50	Top of ridge,25 ft.above wash,bears N.and S.
	Leave mesa,bears N.and S.
	Desc.
21.00	Bottom of hollow,15 ft.below ridge,course N.
	Asc.
24.00	Enter heavy timber,bears N.and S.
34.50	Edge of canon,bears N.and S.
	Desc.abruptly.
37.00	Bottom of canon,100 ft.below ridge,course N.15°W.
	Asc.
40.05	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor..mkd.on brass cap ¼ S 9 in N half and S 16 in S half;from which
	A cedar,4 ins.dia.,bears N.46°E.,52 lks. dist..mkd.¼ S 9 B T.
	A pinon pine,9 ins.dia. bears S.28°E.,64 lks. dist..mkd.¼ S 16 B T.
40.50	Top of spur,100 ft.above canon,bears N.and S.
	Desc.
49.90	Clear creek,4 lks.wide,3 ins.deep,in bottom of canon, 150 ft.below ridge,course S.60°W.
	Asc. abruptly.
73.00	Top of ridge,100 ft.above creek,bears N.and S.

Subdivision of T.41 S.,R.9 W.-Continued.

Chains	
	Desc.
75.00	Bottom of hollow,20 ft.below ridge,course S.
	Asc.
80.30	The cor.of secs.8,9,16,and 17.
	Land,mountainous and rolling .
	Soil,sandy and clay loam;2nd rate.
	Timber,cedar and pinon pine.
	Undergrowth,sage and oak brush.
	Good grass for grazing.
	Mountainous land,or land covered with dense undergrowth,
	80.30 chs.
	September 2,1909:At the noon hour the sky is overcast and
	solar observations are impossible.
	—
	N.0°3'W.,bet.secs.8 and 9.
	Over mountain us land;through heavy timber and scattering
	undergrowth.
	Asc.
1.20	Top of ascent,20 ft.above cor.,bears NE and SW.
	Thence over mesa.
27.00	Leave mesa,bears N.20°E.and S.20°W.
	Desc.
40.00	Set an iron post,3 ft.long,1 in.in.dia.,26 ins.in the
	ground,for ¼ sec.cor..mkd.on brass cap ¼ S 8 in W half
	and S 9 in E half;from which
	A pinon pine,6 ins.dia.,bea s N.50°E.,56 lks.
	dist..mkd.¼ S 9 B T.
	A yellow pine,26 ins.dia.,bears N.49°55'W.,79 lks.
	dist..mkd.¼ S 8 B T.
42.00	Bottom of swale,75 ft.below mesa,course W.
	Asc.
52.00	Trail,bears E.and W.
54.00	Top of spur,50 ft.above swale,bears E.and W.

Subdivision of T.41 S.,R.9 W.-Continued.

Chains	
	Desc.
61.00	Bottom of hollow,100 ft.below ridge,course W.
	Asc.
64.10	Top of spur,35 ft.above hollow,bears E.and W.
	Desc.
66.50	Bottom of canon,100 ft.below spur,course S.40°W.
	Asc.
68.00	Top of spur,60 ft.above canon,bears E.and W.
	Desc.
71.50	Bottom of hollow,50 ft.below spur,course S.30°E.
	Asc.
73.60	Road from Orderville to saw mill,bears N.20°W.and S.30°E.
78.50	Top of spur,75 ft.above hollow,bears E.and W.
	Desc.
80.00	Set an iron post,5 ft.long, 2 ins.dia.,24 ins.in the ground,for cor.of secs.4,5,8,and 9,mkd.on brass cap
	T 41 S S 5 in NW.
	R 9 W S 4 in NE.
	S 9 in SE.;and
	S 8 in SW.quadrants;from which
	A pinon pine,10 ins.dia.,bears N.30°10'E.,48 lks. dist..mkd.T 41 S R 9 W S 4 B T.
	A pinon pine,16 ins.dia.,bears S.60°40'E.,134 lks. dist..mkd.T 41 S R 9 W S 9 B T.
	A cedar,10 ins.dia.,bears S.49°15'W.,83 lks. dist..mkd.T 41 S R (9 W S 8 B T.
	A cedar,8 ins.dia.; bears N.33°30'W.,68 lks. dist..mkd.T 41 S R 9 W S 5 B T.
	Land,mountainous and rolling .
	Soil,sandy and clay loam;2nd rate.
	Timber,cedar and pinon pine.
	Undergrowth,oak,sage,and bitter brush.
	Good grass for grazing.
	Mountainous Mountainous or heavily timbered land,80.00 chs.
	September 2,1909.

Subdivision of T.41 S.,R.9 W.-Continued.

Chains	
	September 3,1909:At 7 h 29 m a.m.,l.m.t.,I set off 37°16' N.,on the lat.arc;7°41'N.,on the decl.arc;and determine a meridian with the solar,at the cor.of secs.4,5,8,and 9.
	Thence I run
	S.89°50'E.,on a random line bet.secs.4 and 9.
40.00	Set temp.¼ sec.cor.
80.14	Intersect N.and S.line,16 lks.S.of the cor.of secs. 3,4,9,and 10.
	Thence I run
	N.89°57'W.,on a true line bet.secs.4 and 9.
	Over mountainous land;through heavy timber
	Asc.
14.00	Top of ridge,100 ft.above sec.cor.,bears N.and S.
	Desc.
17.00	Bottom of hollow,40 ft.below ridge,course S.
	Asc.
20.00	Top of spur,30 ft.above hollow,bears N.and S.
	Desc.
22.20	Bottom of hollow,40 ft.below ridge,course S.20°W.
	Asc.
26.00	Top of spur,20 ft.above hollowlbears N.and S.
	Desc.
33.00	Bottom of hollow,20 ft.below spur,course S.
	Asc.
40.07	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor..mkd.on brass cap ¼ S 4 in N half and S 9 in S half;from which
	A pinon pine,10 ins.dia.,bears N.32°W.,40 lks. dist..mkd.¼ S 4 B T.
	A cedar,8 ins.dia.,bears S.65°W.,48 lks. dist..mkd.¼ S 9 B T.
53.00	Top of ridge,150 ft.above hollow,bears N.and S.
	Leave timber and enter scattering undergrowth, bears N.

Subdivision of T.41 S.,R.9 W.-Continued.

Chains	
	and S.
	Desc.
55.00	Bottom of hollow,20 ft.below ridge,course S.
	Asc.
59.50	Enter heavy timber, bears N.and S.
62.00	Top of ridge,20 ft.above hollow,bears N.and S.
	Desc.
74.00	Begin abrupt descent,bears N.and S.
80.14	The cor.of secs.4,5,8,and 9.
	Land,mountainous .
	Soil,sandy and clay loam;2nd rate.
	Timber,cedar and pinon pine.
	Undergrowth,sage and oak brush.
	Good grass for grazing.
	Mountainous or heavily timbered land, 80.14 chs.
	September 3,1909:At the noon hour the sky is overcast and solar observations are impossible.
	—
	N.0°3'W.,on a true line bet.secs.4 and 5.
	Over mountainous land;through heavy timber and dense undergrowth.
	Desc.gradually.
4.50	Bottom of hollow,10 ft.below sec.cor.,course S.10°W.
	Asc.
6.00	Top of spur,25 ft.above hollow,bears E.and W.
	Desc.
7.50	Bottom of same hollow,20 ft.below ridge,course S.10°E.
	Asc.bottom of hollow.
8.50	Leave hollow,course S.,comes from N.20°E.
	Asc.
10.00	Top of spur,45 ft.above hollow,bears E.and W.
	Desc.

Subdivision of T.41 S.,R.9 W.-Continued.

Chains	
12.50	Bottom of hollow,25 ft.below ridge,course E.
	Asc.
18.50	Top of ridge,60 ft.above hollow,bears E.and W.
	Desc.
34.70	Begin abrupt descent,bears E.and W.
38.70	Bottom of hollow,50 ft.below ridge,course W.
	Asc.
40.00	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor..mkd.on brass cap ¼ S 5 in W half and S 4 in E half;from which
	A pinon pine,14 ins.dia.,bears N.53°15'E.,26 lks. dist.,mkd.5 ¼ Sm4 B T.
	A pinon pine,14 ins.dia.,bears S.51°05'W.,27 lks. dist..mkd.¼ S 5 B T.
43.00	Top of ridge,60 ft.above hollow,bears N.70°E.and S.70°W.
	Desc. abruptly. Leave timber ,bears E.and W.
52.50	Begin gradual descent,bears E and W.Thence over mesa.
59.80	Road from Orderville to saw mill ,bears E.and W.
65.00	Enter heavy timber,bears E.and W.
65.50	Wash,30 lks.wide,3 ft.deep,course S.70°W.
	Leave mesa,bears N.70°E.and S.70°W.
	Asc.
70.00	Top of ridge,50 ft.above mesa,bears N.70°E.and S.70°W.
	Desc.
80.58	Intersect Eighth Standard Parallel South,4.52 chs.East of the standard cor.of secs.32 and 33,which is a sandstone,5 x10x6 ins.,above ground,firnly set,and mkd.and witnessed as described by the surveyor general.
	Set an iron post,3 ft.long,2 ins.in dia.,24 ins.in the ground,for closing cor.of secs.4 and 5 .mkd.on brass cap
	T 40 S R 9 W S 32 S 33 C C in N half.
	S 4 in SE.;and
	S 5 in SW.quadrants;from which
	A pinon pine,9 ins.dia.,bears S.68°25'E.,111 lks.

Subdivision of T.41 S.,R.9 W.-Continued.

Chains

dist..mkd.T 41 S R 9 W S 4 B T.

A pinon pine,11 ins.dia.,bears S.45°30'W.,55 lks.

dist..mkd.T 41 S R 9 W S 5 B T.

Land,mountainous .

Soil,sandy and clay loam;2nd rate.

Timber,cedar and pinon pine.

Undergrowth,sage,bitter,oak,and service berry brush.

Good grass for grazing.

Mountainous or heavily timbered land,or land covered with dense undergrowth,80.58 chs.

September 3,1909.

September 4,1909:At 7 h 29 m a.m.,l.m.t.,I set off 37°12' N.,on the lat.arc;7°19'N.,on the decl.arc;and determine a meridian with the solar,at the cor.of secs.5,6,31,and 32. on S.bdy.of Tp.,heretofore described.

Thence I run

N.0°3'W.,bet.secs.31 and 32.

Over mountainous land;through scattering timber and scattering undergrowth .

Asc.abruptly over ledges.

24.70 Top of ridge,400 ft.above sec.cor.,bears E.and W.

Desc.abruptly over ledges.

32.00 Bottom of hollow,80 ft.below ridge,course E.

Asc.abruptly over ldeges.

39.50 Top of ridge,60 ft.above hollow,bears E.and W.

Desc.abruptly over ledges.

40.00 Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor..mkd.on brass cap ¼ S 31 in W half and S 32 in E half;from which

A pinon pine,7 ins.dia.,bears S.34°30'E.,36 lks.

dist..mkd.¼ S 32 B T.

Subdivision of T.41 S.,R.9 W.-Continued.

Chains	
	A pinon pine,6 ins.dia.,bears S.85°15'W.,47 lks. dist..mkd.¼ S 31 B T.
60.00	Bottom of hollow,40 ft,below ridge,course E.
	Asc.abruptly over ledges.
60.60	Top of spur,40 ft.above hollow,bears E.and W.
	Desc.abruptly over ledges.
66.40	Head of canon,40 ft.below ridge,course S.30°E.
	Asc.abruptly over small ledges.
77.67	Foot of precipitious ledges,bears N.10°E.and S.10°W.
	It is impossible to chain up these ledges therefore
	Set an iron post,3 ft.long,2 ins.in dia.,24 ins.in the ground,for witness cor.to cor.of secs.29,30,31,and 32, mkd.on brass cap
	T 41 S S 30 in NW.
	W C R 9 W S 29 in NE.
	S 32 in SE.;and
	S 31 in SW.quadrants;from which
	A yellow pine,14 ins.dia.,bears N.28°E.,7 lks. dist..mkd.W C T 41 S R 9 W S 29 B T.
	A yellow pine,14 ins.dia.,bears S.85°E.,75 lks. dist..mkd. W C T 41 S R 9 W S 32 B T.
	A yellow pine,5 ins.dia.,bears S.36°W.,134 lks. dist..mkd. W C T 41 S R 9 W S 31 B T.
	No other trees within limits;
	A ledge,50x100 ft.,mkd.(x) B O ,bears N.11°15'W. 7 lks.dist.
	In order to get around ledge I offset as follows:
	East 2.00 chs.;thence on offset line ,
	N.0°3'W.,2.33 chs. to a point 2.00 chs.east of the point for cor.of secs.29,30,31,and 32.
	Set an iron post,3 ft.long,2 ins.in dia.,24 ins.in the ground,for witness cor.to cor.of secs.29,30,31,and 32, mkd.on brass cap.
	T 41 S S 30 in NW.
	W C R 9 W S 29 in NE.

Subdivision of T.41 S.,R.9 W.-Continued.

Chains	
	S 32 in SE.;and
	S 31 in SW.quadrants;from which
	A cedar,4.ins.dia.,bears N.55°15'E.,110 lks.
	dist..mkd.W C T 41 S R 9 W S 29 B T.
	A pinon pine,14 ins.dia.,bears S.32°50'E.,50 lks.
	dist..mkd. W C T 41 S R 9 W S 32 B T.
	A pinon pine,10 ins.dia.,bears S.22°15'W.,35 lks.
	dist..mkd. W C T 41 S R 9 W S 32 B T.
	A pinon pine,16 ins.dia.,bearsN.60°W.,37 lks.
	dist..mkd. W C T 41 S R 9 W S 29 B T.
80.00	Point for cor.of secs.29,30,31,and 32,falls on ledges,
	not set.
	Land,mountainous .
	Soil,rocky;3rd rate.
	Timber,yellow pine,pinon pine,and cedar.
	Undergrowth,oak,larb,service berry,and bitter brush.
	Good grass for grazing.
	Mountainous land,80.00 chs.
	September 4,1909At this cor.I set off 7°14'N.,on the decl.
	arc;and at 11 h 59 m a.m.,l.m.t.,I observe the sun on the
	meridiam,the resulting lat.is 37°13'N.,which is the proper
	lat.nearly.
	S.89°59'E.,on a random line bet.secs.29 and 32.(From the
	witness cor.to cor.of secs.29 ,30,31,and 32,which is 2.00
	chs.E.of the cor.point,but distances counting from said
	cor.point.
40.00	Set temp.¼ sec.cor.
80.10	Intersect N.and S.line,2 lks.N.of the cor.of secs.28,29,
	32,and 33.
	Thence I run
	N.89°58'W.,on a true line bet.secs.29 and 32.
	Over mountainous land;through scattering timber and

Subdivision of T.41 S.,R.9 W.-Continued.

Chains	
	scattering undergrowth.
	Desc.over ledges.
1.40	Bottom of canon,40 ft.below sec.cor.,course S.10°E.
	Asc.abruptly over ledges.
9.70	Top of steep ascent,bears N.and S.
	Asc.more gradually.
18.00	Top of ridge,400 ft.above canon,bears N.and S.
	Desc.abruptly over ledges.
22.50	Head of canon,100 ft.below ridge,course S.20°E.
	Asc.abruptly over ledges.
39.78	Foot of sloping ledge,bears N.and S.
	Note;It will be impossible to perpetuate the cor.in its regular place because it falls on sloping ledge;therefore at this point,
	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor..mkd.on brass cap W C ¼ S 29 in N half and S 32 in S half;from which
	A yellow pine,12 ins.dia.,bears N.14°E.,70 lks. dist.,mkd. W C ¼ S 29 B T.
	A yellow pine,9 ins.dia.,bears S.24°30'E.,32 lks. dist..mkd. W C ¼ S 32 B T.
40.05	Point for ¼ sec.cor.falls on sloping ledge,not set.
45.00	Top of ridge,600 ft.above canon,bears N.and S.
	Desc.abruptly over ledges.
56.00	Bottom of canon,700 ft.below ridge,course S.
	Asc.abruptly over ledges.
69.00	Top of rocky ridge,700 ft.above canon,bears N.and S.
	Desc.abruptly over ledges.
76.00	Head of hollow,600 ft.below ridge,course S.
	Asc.abruptly over ledges.
78.10	The witness cor.to cor.of secs.29.30,31,and 32,
80.10	The point for cor.of secs.29,30,31,and 32.
	Land,mountainous ,very rough.
	Soil,rocky;4th rate.

Subdivision of T.41 S.,R.9 W.-Continued.

Chains	
	Timber,pinon pine and yellow pine.
	Undergrowth,larb and service berry.
	Good grass for grazing.
	Mountainous land,80.10 chs.
	September 4,1909.
	September 5,1909:At 7 h 29 m a.m.,l.m.t.,I set off 37°13' N.,on the lat.arc;6°57'N.,on the decl.arc;and determine a meridian with the solar,at the witness cor.to cor.of secs 29.30,31,and 32,which is 2.33 chs.S.0°3'E.,from the true cor.point.
	Thence I run
	N.89°59'W.,on an offset random line bet.secs.30 and 31.
40.00	Offset N.0°3'W.,2.33 chs.and set temp.¼ sec.cor.
	Thence continue random N.89°59'W.
77.49	Intersect W.bdy.of Tp.,7 lks.S.of the cor.of secs.25,30, 31,and 36,heretofore described.
	Thence I run
	S.89°56'E.,on a true line bet.secs.30 and 31.
	Over mountainous land;through scattering timber and scattering undergrowth.
	Desc. over ledges.
14.50	Bottom of hollow,350 ft below sec.cor.,course S.10°E.
	Asc.over ledges.
25.50	Top of ridge,350 ft.above hollow,bears N.and S.
	Desc.over ledges.
36.70	Bottom of canon,400 ft.below ridge,course S.10°E.
	Asc.over ledges.
37.49	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor..mkd.on brass cap ¼ S 30 in N half and S 31 in S half;from which
	A cedar,16 ins.dia.,bears N.11°30'E.,73 lks. dist..mkd.¼ S 30 B T.

Subdivision of T.41 S.,R.9 W.-Continued.

Chains	
	A pinon pine 10 ins.dia.,bears S.,29 lks. dist..mkd.¼ S 31 B T.
	Offset S.0°3'E.,2.33 chs.;then,on offset line S.89°56'E.,
60.00	Top of ridge,700 ft.above canon,bears N.and S.
	Desc.
73.00	Bottom of canon,800 ft.below ridge,course S.10°E.
	Asc.over ledges.
76.25	Top of ridge,130 ft.above canon,bears N.and S.
	Desc.over ledges.
77.49	The witness cor.to cor.of secs.29,30,31,and 32.
	Land,mountainous.,very rough.
	Soil,rocky;4th rate.
	Timber,yellow pine,pinon pine,and cedar.
	Undergrowth,sage and oak,brush.
	Good grass for grazing.
	Mountainous land,77.49 chs.
	September 5,1909:At this cor.I set off 6°52'N.,on the decl. arc;and at 11 h 59 m a.m.,l.m.t.,I observe the sun on the meridiam,the resulting lat.is 37°13'N.,which is the proper lat.nearly.

From the witness cor.to cor.of secs.29,30,31,and 32. which is 2.33 chs.S.0°3'E.,from true cor.point, I run (for the line bet.secs.29 and 30) West 9.82 chs.;then on offset line,

	N.0°3'W.,along west side of steep canon,
18.00	Low divide.bears E.and W.Desc.along east side steep canon.
42.33	Offset East 2.04 chs.to foot of sloping sandstone ledge

This point is 7.78 chs.West of the proper point for ¼ sec.cor.,but is the nearest point I can get to the cor. Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for witness cor.to ¼ sec.cor..mkd.on brass cap W C ¼ S 30 in W half and S 29 in E half;from which

Subdivision of T.41 S.,R.9 W.-Continued.

Chains

A cedar,12 ins.dia.,bears N.89 °E.,6 lks.
dist..mkd. W C ¼ S 29 B T.
A pinon pine,6 ins.dia.,bears S.31°W.,71 lks.
dist..mkd.¼ S 30 B T.

From this cor.I offset West 3.36 chs.;then,on offset line N.6°45'W.,along east side of steep canon(It is not possible to run this line by offsets or triangulation and the traverse line is the only way.)

82.61 Point 15.84 chs.West of cor.point;thence

East 9.69 chs.to a point 6.15 chs.West of point for cor.of secs.19,20,29,and 30,at foot of sloping sand stone ledge,700 ft.high; it is quite impossible to get any nearer the cor.point ,therefore at this point,

Set an iron post,3 ft.long,2 ins.in dia.,24 ins.in the ground,for witness cor.to cor.of secs.19,20,29,and 30, mkd.on brass cap

T 41 S S 19 in NW.
W C R 9 W S 20 in NE.
S 29 in SE.;and
S 30 in SW.quadrants;from which
A cedar,6 ins.dia.,bears S.14°15'W.,73 lks.
dist..mkd.W C T 41 S R 9 W S 30 B T.
A red cedar,18 ins.dia.,bears N.50°30'W.,67 lks.
dist..mkd. W C T 41 S R 9 W S 19 B T.

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

Land,mountainous .
Soil,rocky;4th rate.
Timber,cedar and pinon pine,and yellow pine.
Undergrowth,sage and oak brush.
Good grass for grazing.
Mountainous land,80.00 chs.

September 5,1909.

Subdivision of T.41 S.,R.9 W.-Continued.

Chains

September 6,1909:At 7 h 28 m a.m.,l.m.t.,I set off 37°14' N.,on the lat.arc;6°35'N.,on the decl.arc;and determine a meridian with the solar,at the witness cor.to cor.of secs. 19,20,29,and 30.

Thence I run

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

Note:From here east the line passes over an impassable ledge,and in order to get distance to top of ledge,I set a flag on random line on top of ledge and measure a base N.0°2'E.,10.39 chs.,to point from which flag on top of ledge,bears S.50°12'E.,making the angle at the base 50°10';then I go to the flag on top of ledges and take bearing to north end of base,which is N.50°08'W.,which agrees with the angle taken at the base,I calculate the distance as follows:

log 10.39 + log tan 50°10' = 1.016616 +10.078753 = 1.095369 and the distance is 12.46 chs.making the distance fromthe true cor.point.

6.31 Top of ledge,bears N.and S.

Set temp.witness cor.to cor.of secs.19,20,29,and 30.

Thence continue S.89°58'E.,on random line bet.secs.20 and 29.

40.00 Set temp.¼ sec.cor.

80.02 Intersect N.and S.line,19 lks.N.of the cor.of secs.20,21, 28,and 29.

Thence I run

N.89°50'W.,on a true line bet.secs.20 and 29.

Over mountainous land;through heavy timber and scattering undergrowth.

Asc.abruptly over ledges.

2.80 Top of ridge,50 ft.above cor.,bears NW and SE.

Desc.over ledges.

8.00 Head of canon,50 ft.below ridge,course S.20°E.

Asc.over ledges.

Subdivision of T.41 S.,R.9 W.-Continued.

Chains	
23.00	Top of ridge,60 ft.above canon,bears N.20°E.and S.20°W.
	Desc.over ledges.
35.40	Begin abrupt descent,bears N.and S.
37.00	Bottom of canon,300 ft.below ridge,course N.
	Asc.abruptly over smooth ledges.
38.40	Top of abrupt ascent,bears N.and S.
	Asc.more gradually.
40.01	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor..mkd.on brass cap ¼ S 20 in N half and S 29 in S half;from which
	A pinon pine,12 ins.dia.,bears N.12°30'E.,13 lks. dist..mkd.¼ S 20 B T.
	A pinon pine,8 ins.dia.,bears S.1°30'E., 43 lks. dist..mkd.¼ S.29 B T.
54.00	Top of ridge,300 ft.above canon,bears N.and S.
	Desc.over ledges.
63.00	Bottom of canon,200 ft.below ridge,course N.
	Asc.over ledges.
72.70	Top of ridge,250 ft.above canon,bears N.and S.
	Desc.
73.71	Edge of ledges,bears N.and S.
	Fall 1 lk.S.of the temp.witness cor.
	Set witness cor.on true line as follows:
	Set an iron post,3 ft.long,2 ins.in dia.,24 ins.in the ground,for witness cor.to cor.of secs.19,20,29,and 30, mkd.on brass cap
	T 41 S S 19 in NW.
	W C R 9 W S 20 in NE.
	S 29 in SE.;and
	S 30 in SW.quadrants;from which
	A pinon pine,5 ins.dia.,bears N.13°30'E.,69 lks. dist..mkd.W C T 41 S R 9 W S 20 B T.
	A pinon pine,6 ins.dia.,bears S.75°30'E.,28 lks. dist..mkd.W C T 41 S R 9 W S 29 B T.

Subdivision of T.41 S. R 9 W Continued.

Chains

A pinon pine,18 ins.dia.,bears S.82°W.,8 lks. dist..mkd. W C T 41 S R 9 W S 30 B T.

A pinon pine,8 ins.dia.,bears N.21°30'W.,104 lks. dist..mkd. W C T 41 S R 9 W S 19 B T.

Desc.abruptly over sloping ledge.

80.02 Point for cor.of secs.19,20,29,and 30.No cor.set.

Land,mountainous .

Soil,rocky;4th rate.

Timber,cedar and pinon pine.

Undergrowth,oak and sage brush.

Good grass for grazing.

Mountainous or heavily timberñ land,80.02 chs.

September 6,1909:At this cor.I set off 6°29'N.,on the decl.arc;and at 11 h 58 m a.m.,l.m.t.,I observe the sun on the meridian,the resulting lat.is 37°14'N.,which is the proper lat.nearly.

N.89°56'W.,on a random line bet.secs.19 and 30.

From the witness cor.of cor.of secs.19,20,29,and 30,which is 6.15 chs. West of the true cor.point.

40.00 Set temp.¼ sec.cor.(Counting distance from cor.point).

77.31 Intersect W.bdy.of Tp.,14 lks.S.of the cor.of secs.19,24, 25,and 30,heretofore described.

Thence I run

S.89°50'E.,on a true line bet.secs.19 and 30.

Over mountainous land;through scattering timber and scattering undergrowth,

Asc.abruptly over ledges .

1.60 Top of ridge,60 ft.above sec.cor.,bears N.and S.

Desc.abruptly.

4.80 Clear Creek 4 lks.wide,2 ins.deep,in bottom of canon,

Subdivision of T.41 S.,R.9 W.-Continued.

Chains	
	120 ft.below sec.cor.,course S.
	Asc.over ledges.
7.20	Top of ridge,125 ft.above canon,bears N.and S.
	Desc.over ledges.
10.00	Clear Creek,5 lks.wide,3 ins.deep,in bottom of canon,
	100 ft.belowr ridge,course N40°W.
	Asc.over ledges.
17.00	Top of ridge,140 ft.above canon,bears N.and S.
	Desc.over ledges.
19.00	Clear Creek,6 lks.wide,3 ins.deep,in bottom of canon,
	125 ft.below ridge,course S.70°W.
	Asc.over ledges.
21.00	Top of ridges,120 ft.above canon,bears N.and S.
	Decs.over ledges.
23.00	Clear Creek,6 lks.wide,2 ins.deep,in bottom of canon,
	120 ft.below ridge,in bend of creek,course N.60°E.
	Asc.over ledges.
28.00	Top of ridge,120 ft.above canon,bears N.20°E.and S.20°W.
	Desc.over ledges.
37.31	Set an iron post,3 ft.long,1 in.in dia.,12 ins.in the
	ground,and surrounded by mound of stone,for ¼ sec.cor.,
	mkd.on brass cap ¼ S 19 in N half;and S 30 in S half.
	Impossible to set post 26 ins.in the ground.
	A yellow pine 12 ins.in dia.,bears N.36°E.,273
	lks.dist..mkd.¼ S 19 B T.
	No other trees within limits;raise a mound of stone,2 ft.
	base,1½ ft. high,N.of cor.
	Begin more abrupt ascent,bears NE.AND SW.
50.00	Top of smoothsandstone ledges,bears N.10°E.and S.10°W.
	on top of ridge,500 ft.above canon,bears N.10°E.and S.
	10°W.
	Desc.abruptly over smooth ledges.
60.80	Bottom of canon,500 ft.below ridge,course N.
	Asc.over ledges.

Subdivision of T.41 S.,R.9 W.-Continued.

Chains	
71.16	The witness cor.to cor.of secs.19,20,29 and 30.
77.31	Point for cor.of secs.19,20,29 and 30,cor.,not set.
	Land mountainous.
	Soil,sandy loam and rocky;2nd. and 4th rate.
	Timber,cedar and pinon pine.
	Undergrowth,sage brush and oak brush.
	Good grass for grazing.
	Mountainous land,77.31 chs.

September 6,1909.

September 7,1909:At 7 h 28 m a.m.,l.m.t.,I st off 37°14' N.,on the lat arc;6°12'N.,on tje decl.arc;and determine a meridian with the solar,at the witness cor.to cor.of secs.19,20,29 and 30,which is 6.15 chs.West of the cor. point.

Thence I run

N.0°3'W.,on offset line bet.secs.19 and 20.

Over mountainous land;through dense undergrowth and scattering timber.

Pass.along foot of sloping ledges 700 ft.high.

23.00	Offset east 6.15 chs.to sec.line.
	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground, for witness point,mkd.on brass cap W P in W half; and raise a mound of stone,2 ft.base,1½ ft.high,W.of cor.
	Thence N.0°3'W.,
	Over ledges.
25.00	Top of ridge,30 ft.above witness point,bears E.and W.
	Pass.

Subdivision of T.41 S.,R.9 W.-Continued.

Chains.	
30.00	Clear Creek,5 lks.wide,3 ins.deep,in canon,40 ft.below ridge,course NW.
	Asc.over ledges.
40.00	Set an iron post,3 ft.long,1 in.in dia.,12 ins.in the ground and surrounded by mound of earth and stone,for ¼ sec. cor..mkd.on brass cap ¼ S 19 in W half and S 20 in E. half:Impossible to set post 26 ins.in the ground.
	A cedar,12 ins.dia.,bears S.52°E.,88 lks. dist..mkd.¼ S 20 B T.
	A yellow pine,18 ins.in dia.,bears S.15°10'W., 84 lks.dist..mkd.¼ S 19 B T.
45.00	Top of ridge,40 ft.above cor.,bears N.20°W,and S.20°E.
	Desc..
54.00	Bottom of hollow,30 ft.below ridge,course E.
	Asc.along east slope of ledges.
79.00	Sandstone ridge,150 ft.above hollow,bears E.and W.
	Decs.
80.00	Set an iron post,3 ft.long,2 ins.in dia.,24 ins.in the ground,foe cor.of secs.17,18,19 and 20,mkd.on brass cap
	T 41 S S 18 in NW.
	R 9 W S 17 in NE.;
	S 20 in SE.;and
	S 19 in SW.quadrants;from which
	A pinon pine,8 ins.in dia.,bears N.70°E.56 lks. dist..mkd.T 41 S R 9 W S 17 B T.
	A cedar,6 ins.in dia.,bears S.58°E.,55 lks. dist..mkd. T 41 S R 9 W S 20 BT.
	A cedar,14 ins.in dia.,bears N.85°40'W.,34 lks. dist..mkd. T 41 S R 9 W S 18 B T.
	No other trees within limits;raise a mound of stone,2 ft. base,1½ ft.high,W.of cor.
	Land,mountainous.
	Soil,sandy loam and rocky;2nd rate and 4th rate.
	Timber,cedar,pinon pine,and yellow pine.

Subdivision of T.41 S.,R.9 W.-Continued.

Chains	
	Undergrowth,oak and sage brush.
	Good grass for grazing.
	Mountainous land,80.00 chs.
	September 7,1909:At the noon hour the sky is overcast and solar observations are impossible.
	—
	S.89°50'E.,on a random line bet.secs.17 and 20.
40.00	Set temp.¼ sec.cor.
79.90	Intersect N.and S.line,XXXXXX.28 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.
	Over mountainous land;through heavy timber and scattering undergrowth.
	Asc.
5.00	Top of ridge,50 ft.above sec.cor.,bears N.and S.
	Desc.
13.00	Bottom of hollow,100 ft.below ridge;course S.
	Asc.
37.00	Top of ridge,250 ft.above hollow,bears NE and SW.
	Desc.
39.95	Set an iron post,3 ft.long,1 in. in dia.,26 ins.in the ground,for ¼ sec.cor..mkd.on brass cap ¼ S 17 in N half and S 20 in S half;from which
	A pinon pine,18 ins.dia.,bears N.10°30'E.,31 lks. dist..mkd.¼ S 17 B T.
	A pinon pine,18 ins.dia.,bears S.59°30'E.,28 lks. dist..mkd.¼ S 20 B T.
45.00	Top of ledges,150 below ridge,bears N.20°E.and S.20°W.
	Desc.over sloping ledges.
50.00	Foot of ledge,bears N.20°E.and S.20°W.300 ft.below top.
61.00	Clear creek,3 lks.wide,3 ins.deep,in bottom of canon, 600 ft.below ridge,course S.30°W.

Subdivision of T.41 S., R.9 W. Continued.

Chains	
	Asc.abruptly over ledges.
66.50	Top of ridge,30 ft.above canon,bears N.and S.
	Desc.
71.00	Bottom of hollow,30 ft.below ridge,course S.20°E.
	Asc.
79.90	The cor.of secs.17,18,19,and 20.
	Land,mountainous
	Soil,clay loam;2nd.rate.
	Timber,cedar and pinon pine and yellow pine.
	Undergrowth,sage brush.
	Good grass for grazing.
	Mountainous or heavily timbered land,79.90 chs.
	September 7,1909.
	—
	September 8,1909:At 7 h 28 m a.m.,l.m.t.,I set off 37°15' N.on the lat.arc;5°50'E.,on the decl.arc;and determine a meridian with the solar,at the cor.of secs.17,18,19,and 20.
	Thence I run
	N.89°50'W.,on a random line bet.secs.18 and 19.
40.00	Set temp.¼ sec.cor.
77.39	Intersect W.bdy.of Tp.,11 lks.N.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.
	Over mountainous land;through scattering timber and scattering undergrowth .
	Asc.
5.20	Top of ridge,50 ft.above sec.cor.,bears N.and S.
	Desc.
12.40	Bottom of hollow,50 ft.below ridge,course S.
	Asc.

Subdivision of T.41 S.,R.9 W.-Continued.

Chains	
25.50	Top of ridge,25 ft.above hollow,bears N.and S.
	Desc..
32.07	Top of canon wall,bears N.and S.
	From here east the line descends a sloping sandstone wall or ledge,and the ¼ sec.cor.point will fall on the same where it cannot be set therefore at this point
	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for witness cor.to ¼ sec.cor..mkd.on brass cap W C ¼ S 18 in N half and S 19 in S half;from which
	A pinon pine,12 ins.dia.,bears N.39°30'W.,36 lks. dist..mkd. W C ¼ S 18 B T.
	A pinon pine,10 ins.dia.,bears S.66°E.,15 lks. dist..mkd. W C ¼ S 19 B T.
	Desc.abruptly over sloping canon wall of sandstone.
37.39	Point for ¼ sec.cor.falls on sloping ledge,cor nottset.
47.40	Bottom of canon,350 ft below ridge,course S.
	Asc.abruptly over sloping sandstone ledges.
52.60	Top of abrupt ascent,bears N.and S. 300 ft.above canon.
	Leave ledges,bears N.and S
	Thence over rolling mesa.
	Enter dense undergrowth,bears N.and S.
63.40	Leave mesa,bears N.20°W.and S.20°E.
	Desc. over ledges.
74.28	Top of perpendicular ledge,200 ft.high,bears N.and S.
77.39	The cor.of secs.17,18,19,and 20.
	Land,mountainous and rolling mesa.
	Soil,sandy and clay loam and rocky;2nd and 4th rate.
	Timber,cedar,pinon pine,and yellow pine.
	Undergrowth,sage brush.
	Good grass for grazing.
	Mountainous land,or land covered with dense undergrowth, 77.39 chs.
	September 8,1909:At this cor.I set off 5 °44'N.,on the decl.arc;and at 11h 58 m a.m.,l.m.t.,I observe the sun on the meridian the resulting lat.is 37°15'N.,which is

Subdivision of T.41 S.,R.9 W.-Continued.

Chains	
	the proper lat.nearly.
	N.0°3'W.,bet.secs.17 and 18.
	Over moutainous land;through dense undergrowth and scattering timber.
	Desc.along foot of ledges.
4.50	Head of hollow,,40 ft.below sec.cor.,course E.
	Asc.over ledges.
20.40	Top of ledges,bears NE and SW.
	Asc.more gradually.
28.00	Begin abrupt ascent over ledges,bears E.and W.
31.20	Leave ledges,bears E.and W.
32.00	Top of ridge,600 ft.above hollow,bears N.20°W.and S.20° E.
	Desc.
40.00	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground, for ¼ sec.cor..mkd.on brass cap ¼ S 18 in W half and S 17 in E half;from which
	A pinon pine,10 ins.dia.,bears S.13°30'E.,36 lks. dist..mkd.¼ S 17 B T.
	A pinon pine,19 ins.dia.,bears S.72°40'W.,25 lks. dist..mkd.¼ S 18 B T.
40.15	Head of hollow,50 ft.below ridge,course E.
	Asc.
42.00	Top of ridge,30 ft.above hollow,bears E.and W.
	Desc.
52.50	Head of canon,250 ft.below ridge,course S.80°E.
	Asc.abruptly.
65.00	Top of ridge,350 ft.above hollow,bears E.and W.
	Desc.
80;00	Set an iron post,3 ft.long,2 ins.in dia.,24 ins.in the ground,for cor.of secs.7,8,17,and 18,mkd.on brass cap
	T 41 S S 7 in NW.

Subdivision of T.41 S.,R.9 W.-Continued.

Chains

R 9 W S 8 in NE.

S 17 in SE.;and

S 18 in SW.quadrants;from which

A pinon pine,6 ins.dia.,bears N.65°05'E.,60 lks.

dist..mkd.T 41 S R 9 W S 8 B T.

A cedar,6 ins.dia.,bears S.62°30'E.,77 lks.

dist..mkd.T 41 S R 9 W S 17 B T.

A pinon pine,4 ins.dia.,bears S.43°W.,44 lks.

dist..mkd.T 41 S R 9 W S 18 B T.

A pinon pine,5 ins.dia.,bears N.39°30'W.,140 lks.

dist..mkd.T 41 S R 9 W S 7 B T.

Land,mountainous .

Soil,sandy and clay loam;2nd rate.

Timber,cedar and pinon pine.

Undergrowth,sage,oak,and service berry brush.

Good grass for grazing.

Mountainous land,or land covered with dense undergrowth,

80.00 chs.

September 8,1909.

September 9,1909:At 7 h 27 m a.m.,l.m.t.,I set off 37°16' N.,on the lat.arc;5°27'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.89°58'E.,on a random line bet.secs.8 and 17.

40.00 Set temp.¼ sec.cor.

79.84 Intersect N.and S.line,28 lks.S.of the cor.of secs.8,9,16, and 17.

Thence I run

S.89°46'W.,on a true line bet.secs.8 and 17.

Over mountainous land;through heavy timber and scattering undergrowth.

Subdivision of T.41 S.,R.9 W.-Continued.

Chains	
.	Asc.
3.00	Top of ascent,and east edge of ridge,25 ft.above cor., bears NE and S.
	Thence over ridge top .
5.00	Leave ridge top ,bears N.and S.
	Top of ledge,30 ft.high,bears N.and S.
	Desc.
15.00	Creek,3 lks.wide,1 in.deep,in bottom of canon,200 ft.below ridge,course S.
	Asc.abruptly.
30.00	Foot of ledges,100 ft.high,bears N.and S.
34.00	Top of steep ascent,bears N.and S.,200 ft.above canon.
	Thence across top of flat ridge.
39.92	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor..mkd.on brass cap ¼ S 8 in N half and S 17 in S half;from which
	A yellow pine,14 ins.dia.,bears N.25°45'W.,87 lks. dist..mkd.¼ S 8 B T.
	A cedar,8 ins.dia.,bears S.7°45'W.,50 lks. dist..mkd.¼ S 17 B T.
43.00	Leave ridge top ,bears N.and S.
	Desc.abruptly.
50.00	Top of ledge,100 ft.high,bears N.and S.
53.00	Bottom of canon,250 ft.below ridge,course S.
	Asc.abruptly.
76.00	Top of ledge,100 ft.high,bears NW and SE.
79.84	The cor.of secs.7,8,17,and 18.
	Land,mountainous and rolling.
	Soil,clay loam and rocky;2nd and 4th rate.
	Timber,cedar and pinon pine,and yellow pine.
	Undergrowth,oak and sage brush.
	Good grass for grazing.
	Mountainous or heavily timbered land,79.84 chs.
	September 9,1909:At the noon hour the sky is overcast and

Subdivision of T.41 S.,R.9 W.-Continued.

Chains	
	solar observations are impossible.
	N.89°55'W.,on a random line bet.sec.7 and 18.
40.00	Set temp.¼ sec.cor.
77.20	Intersect W.bdy.of Tp.,10 lks.S.of the cor.of secs.7,12, 13,and 18,heretofore described.
	Thence I run
	S.89°51'E.,on a true line bet.secs.7 and 18.
	Over mountainous land;through heavy timber and scattering undergrowth.
	Desc.
7.00	Bottom of hollow,20 ft.below sec.cor.,course NE.
	Asc.
15.00	Top of ridge,15 ft.above hollow,bears N.and S.
	Desc.gently over rolling mesa.
37.20	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor..mkd.onbrass cap ¼ S 7 in N half and S 18 in S half;from which
	A yellow pine,20 ins.dia.,bears N.54°15'E.,126 lks. dist..mkd.¼ S 7 B T.
	A yellow pine,22 ins.dia.,bears S.10°45'E.,35 lks. dist..mkd.¼ S 18 B T.
50.00	Bottom of hollow,20 ft.below ridge,course N.60°E.
	Leave mesa,bears N.60°E.and S.60°W.
	Asc.
53.00	Top of ridge,40 ft.above hollow,bears NE and SW.
	Desc.
70.00	Bottom of hollow,100 ft.below ridge,course N.50°E.
	Asc.
75.00	Top of ridge,30 ft.above hollow,bears NE and SW.
	Desc.
77.20	The cor.of secs.7,8,17,and 18.

Subdivision of T.41 S.,R.9 W.-Continued.

Chains	
	Land,mountainous and rolling mesa.
	Soil,sandy and clay loam;2nd and 3rd rate.
	Timber,cedar,pinon pine,and yellow pine.
	Undergrowth,sage and oak brush.
	Good grass for grazing.
	Mountainous or heavily timbered land,77.20 chs.
	September 9,1909
	September 10,1909:At 7 h. 27 m a.m.,l.m.t.,I set off 37° 16'N.;on the lat.arc;5°04'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°3'W.,bet.secs.7 and 8.
	Over mountainous land;through heavy timber and scattering undergrowth.
	Desc.abruptly.
6.00	Bottom of canon,125 ft.below sec.cor.,course E.
	Asc.abruptly.
10.00	Top of ledge,75 ft.above canon,bears E.and W.
14.50	Top of spur,150 ft.above canon,bears E.and W.
	Desc.abruptly.
25.00	Bottom of hollow,100 ft.below spur,course E.
	Asc.
28.90	Top of spur,25 ft.above hollow,bears E.and W.
	Desc.
39.00	Bottom of hollow,35 ft.below ridge,course E.
	Asc.
40.00	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor..mkd.on brass cap ¼ S 7 in W half and S 8 in E half;from which
	A yellow pine,6 ins.dia.,bears S.29°45'E.,139 lks.

Subdivision of T.41 S.,R.9 W.-Continued.

Chains	
	dist..mkd.¼ S 8 B T.
	A yellow pine,12 ins.dia.,bears N.72°30'W.,96 lks.
	dist..mkd.¼ S 7 B T.
	Enter dense oak brush,bears E.and W.
80.00	Set an iron post,3 ft.long,2 ins.in dia.,24 ins.in the ground,for cor.of secs.5,6,7,and 8,mkd.on brass cap
	T 41 S S 6 in NW.
	R 9 W S 5 in NE.
	S 8 in SE.;and
	S 7 in SW.quadrants;from which
	A cottonwood,10 ins.dia.,bears N.12°15'E.,189 lks.
	dist..mkd.T 41 S R 9 W S 5 B T.
	A cottonwood,4 ins.dia.,bears S.17°45'E.,151 lks.
	dist..mkd.T 41 S R 9 W S 8 B T.
	A cottonwood,4 ins.dia.,bears S.5°W.,144 lks.
	dist..mkd.T 41 S R 9 W S 7 B T.
	A yellow pine,36.ins.dia.,bears N.24°30'W.,280 lks.
	dist..mkd.T 41 S R 9 W S 6 B T.
	Land,mountainous .
	Soil,clay loam;2nd rate.
	Timber,cedar,pinon pine,yellow pine,and cottonwood.
	Undergrowth,oak and sage brush.
	Good grass for grazing.
	Mountainous or heavily timbered land,or land covered with dense undergrowth,80.00 chs.
	September 10,1909:At this cor.I set off 4°59'N.,on the decl.arc;and at 11 h 57 m a.m.,l.m.t.,I observe the sun on the meridian the resulting lat.is 37°16'N.,which is the proper lat.nearly.

	N.89°46'E.,on a random line bet.secs.5 and 8.
40.00	Set temp.¼ sec.cor.
80.07	Intersect N.and S.line,23 lks.N.of the cor.of secs.4,5,

Subdivision of T.41 S.,R.9 W.-Continued.

Chains	
	8,and 9.
	Thence I run
	S.89°56'W.,on a true line bet.secs.5 and 8.
	Over mountainous land;through scattering timber and scattering undergrowth.
	Desc.
1.00	Bottom of hollow,20 ft.below sec.cor.,course S.10°W.
	Asc.
2.50	Top of spur,20 ft.above hollow,bears N.and S.
	Desc.
3.40	Bottom of canon,20 ft.below spur,course S.
	Road from Orderville to saw mill,bears N.40°W.and S.30°E.
	Asc.
10.00	Top of ridge,50 ft.above canon,bears N.and S.
	Desc.
22.80	Creek,2 lks.wide,1 in.deep,in bottom od hollow,60 ft. below ridge,course S.10°W.
	Asc.
26.00	Top of ascent,50 ft.above canon,bears N.and S.
	Enter dense undergrowth,bears N.and S.
	Thence Over mesa.
40.03½	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor..mkd.on brass cap ¼ S 5 in N half and S 8 in S half;from which
	A cedar,6 ins.dia.,bears S.44°30'W.,213 lks. dist..mkd.¼ S 8 B T.
	No other trees within limits;raise a mound of stone,2 ft.base,1½ ft.high,N.of cor.
72.40	Begin abrupt descent,bears N.and S.Leave mesa.
79.20	Creek,3 lks.wide,2 ins.deep,in bottom of canon,60 ft.below mesa,course S.
	Asc.
80.07	The cor.of secs.5,6,7,and 8.
	Land,mountainous and rolling mesa.

Subdivision of T.41 S R 9 W Continued.

Chains

Soil, clay loam; 2nd rate.

Timber, cedar and pinon pine.

Undergrowth, sage, mahogany, and bitter brush.

Good grass for grazing.

Mountainous land, or land covered with dense undergrowth,

80.07 chs.

September 10.1909.

September 11,1909: At 7 h 27 m a.m., l.m.t., I set off 37°16' N., on the lat.arc; 4°42'N., on the decl.arc; and determine a meridian with the solar, at the cor.of secs.5,6,7, and 8.

Thence I run

N.89°51'W., on a random line bet.secs.6 and 7.

40.00 Set temp.¼ sec.cor.

77.07 Intersect W.bdy.of Tp., 14 lks.N.of the cor.of secs.1,6, 7, and 12, heretofore described.

Thence I run

S.89°57'E., on a true line bet.secs.6 and 7.

Over mountainous land; through heavy timber and dense undergrowth.

Desc.

5.00 Bottom of hollow, 40 ft.below sec.cor., course N.60°W.

Asc.

12.00 Top of ridge, 50 ft.above hollow, bears N.and S.

Thence over rolling mesa.

Desc.gradually.

23.50 Wood road, bears N.and S.

35.00 Leave heavy and enter scattering timber, bears N.and S.

37.07 Set an iron post, 3 ft.long, 1 in.in dia., 26 ins.in the ground, for ¼ sec.cor..mkd.on brass cap ¼ S 6 in N half and S 7 in S half; from which

A yellow pine, 8 ins.dia., bears N.10°45'W., 49 lks. dist..mkd.¼ S 6 B T.

Subdivision of T.41 S.,R.9 W.-Continued.

Chains	
	A yellow pine,30 ins.dia.,bears S.60°15'W.,223 lks. dist..mkd.¼ S 7 B T.
62.00	Leave mesa,bears N.and S.
	Enter heavy timber,bears N.and S.
	Desc.
67.00	Begin abrupt descent,bears N.and S.
77.07	The cor.of secs.5,6,7,and 8.
	Land,mountainous and rolling mesa.
	Soil,clay loam;2nd rate.
	Timber,yellow pine,and pinon pine.
	Undergrowth,oak and sage brush.
	Good grass for grazing.
	Mountainous and heavily timbered land,77.07 chs.
	September 11,1909:At this cor.I set off 4°36'N.,on the decl.arc;and at 11 h 57 m a.m.,l.m.t.,I observe the sun on the meridian,the resulting lat.is 37°16'N.,which is the proper lat.nearly.
	—
	N.0°3'W.,on a true line bet.secs.5 and 6.
	Over mountainous land;through heavy timber and dense undergrowth.
	Desc.gradually.
20.00	Bottom of hollow,20 ft.below sec.cor.,course E.
	Asc.
30.00	Top of spur,25 ft.above hollow,bears E.and W.
	Desc.
30.75	Fence ,bears E.and W.
31.20	Head of canon,40 ft.below ridge,course S.30°E.
	Asc.
33.40	Top of ascent,30 ft.above canon,bears NW and SE.
	Leave timber,bears NW and SE.
	Thence over rolling mesa.
40.00	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the

Subdivision of T.41 S.,R.9 W.-Continued.

Chains	
	ground,for ¼ sec.cor..mkd.on brass cap ¼ S 6 in W half and S 5 in E half;from which
	A cedar,16 ins.dia.,bears S.37°30'E.,120 lks. dist..mkd.¼ S 5 B T.
	A cedar,3 ins.dia.,bears N.64°W.,44 lks. dist. mkd. ¼ S 6 B T.
49.00	Road from Orderville to saw mill,bears E.and W.
60.00	Leave mesa,bears E.and W.
	Enter scattering timber,bears E.and W.
	Asc.rapidly.
65.00	Top of ridge,50 ft.above mesa,bears NE and SW.
	Desc.
77.00	Bottom of hollow,75 ft.below ridge,course S.70°W.
	Asc.
80.05	Top of spur,40 ft.above hollow,bears NE and SW.
	Desc.
80.47	Intersect Eighth Standard Parallel South,4.09 chs.East of the standard cor.of secs.31 and 32,which is a sand stone,5x12x5 ins.,above ground,firmly set,and mkd.and witnessed as described by the surveyor general,
	Set an iron post,3 ft.long,2 ins.dia.,24 ins.in the ground,for closing cor.of secs.5,and 6.,mkd.on brass cap
	C C T 4D S R 9 W S 31 S 32,in N half .
	S 5 in SE.;and
	S 6 in SW.quadrants;from which
	A cedar,10 ins.dia.,bears S.76°30'E.,250 lks. dist..mkd.T 41 S R 9 W S 5 B T.
	A pinon pine,10 ins.dia.,bears S.29°30'W.,210 lks. dist..mkd.T 41 S R 9 W S 6 B T.
	Land,mountainous and rolling mesa.
	Soil,clay loam;2nd rate.
	Timber,yellow pine,and pinon pine,and cedar.
	Undergrowth,oak and sage brush.

Subdivision of T.41 S.,R.9 W.-Continued.

Chains

Good grass for grazing.

Mountainous or heavily timbered land,or land covered with dense undergrowth,80.47 chs.

September 11,1909.

General Description.

With the exception of a number of rolling mesas in the eastern and northern parts of the township,this township is exceptionally rough ,being made up mostly of sharp ridges and deep narrow canons,many of which have sloping or perpendicular sandstone walls.In the southern part of the township the soil is sandy loam ;2nd rate where there is any soil but a great deal of the country is composed mostly of sandstone ledges;which however are sufficiently broken to permit the growth of timber and undergrowth. The soil in the northern part of the township is mostly clay loam;2nd rate.The northeastern part of the township is a high and somewhat rolling mountain well adapted for grazing purposes ;while the southern two tiers of sections are so rough and rugged that even sheep cannot graze there.

There is a pretty good growth of cedar,pinon pine,and yellow pine all over the township.

The undergrowth is mostly sage ,oak,and bitter brush, with some service berry and larb.

Clear creek,runs through the township from the north end southwesterly and furnishes plenty of water for stock watering purposes in that part of the township. The creek in Little Meadow Valley Gulch and its tributaries furnish water for the eastern part of the

Subdivision of T.41 S.,R.9 W.-Continued.

Chains

township .

The Petty saw mill, located about ½ mi. W. of cor. secs. 6 & 7 of west bdy. of Tp., furnishes lumber for a good many southern Utah towns.

John Winder has a house and about 10 acres of cultivated land in sec. 10, also about 1 mile of fence, improvements are worth about $500.00 .

Chris Larson has about 40 acres of land fenced of which about 15.00 acres is cultivated. He has no house on the land and was not there at the time of the survey. His land is in secs. 15 and 22.

William Crawford has a house in sec. 1, and about 15.00 acres of land along the creek bottom north of the house has been cultivated but is not cultivated this year.

I found no indications of oil in the township.

There is no mineral in the township.

Secs. 1, 2, and 3, are mostly underlaid with a rather poor quality of lignitic coal, but no outcrops were seen from line.

Frank C. Fenelon
U.S. Deputy Surveyor .

September 11, 1909.

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:

....., *Chainman.*

r list of names and final oath of assistants see book "R", *Chainman.*

Tp. 40 S., R. 9 W. ....., *Moundman.*

....., *Moundman.*

....., *Axman.*

....., *Axman.*

....., *Flagman.*

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted .....

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

parts or portions of the .....

.....

.....

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

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

foregoing field notes as having been surveyed by him and under his direction; and that said survey

een in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the

r monuments established, according to the instructions furnished by the United States Surveyor

al for .....

....., *Chainman.*

....., *Chainman.*

....., *Moundman.*

....., *Moundman.*

....., *Axman.*

....., *Axman.*

....., *Flagman.*

.....

ibed and sworn to before me this .....

y of ....., 19

SEAL

.....

.....

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, ..., United States Deputy Surveyor, solemnly swear that, in pursuance of a contract received from ..... United States Surveyor General for ....., bearing date of t ..... day of ....., 19 , 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 oath of deputy see book "R" Tp. 40 S., R. 9 W.

..... 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.

.....
United States Deputy Surve

Subscribed by said ....., and sworn to before me this ..... day of ....., 19

.....

SEAL

.....

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, June 27, 19

The foregoing field notes of the survey of the subdivisional lines of Townshi No.41 South, Range No.9 West of the Salt Lake Base and Meridian, Utah,

executed by Scott P.Stewart and Frank C.French under ~~his~~ their contract No. 308, dated March 17, 1909, having critically examined, and the necessary corrections and explanations made, the said field notes, and surveys they describe, are hereby approved.

Thomas Hill
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 Ge

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313 313

4—679.

BOOK A-353
P..

FILED
DEC 15 1909

FIELD NOTES

OF THE SURVEY OF THE

WEST, EAST, AND NORTH BOUNDARIES

of

Township No.42 South, Range No.9 West,

Of the Salt Lake Base and *Meridian,*

State of Utah

AS SURVEYED BY

Scott P.Stewart and Frank C.French, *United States Deputy Surveyors*

Under their *Contract No.* 308, *dated* March 17,1909., ~~190~~

Survey commenced August 8,1909., ~~190~~

Survey completed August 14,1909., ~~190~~

6—151

W. Baly 5-76-66
E. Baly 5-76-68
N. Baly 5-77-71
17 71 67

BOOK A-353

NAMES AND DUTIES OF ASSISTANTS.

Quinby Stewart, Chainman,

Hillman Dalley, Chainman,

Ren Stewart, Moundman,

Stuart Horsley, Moundman,

Joseph Stevens, Axman,

Shirley C. Horsley, Flagman,

For preliminary affidavits see book "B" T. 43 S., R. 8 W.

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BOOK A-353

INDEX DIAGRAM.

Township 42 South, *Range* 2 West

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6	30	29	28	27	26	25	18
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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 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 ....., 190

SEAL

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

....., *Flagman*

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

SEAL

West bdy.of T.42 S.,R.9 W.

Survey commenced August 8,1909,and executed with a Young and Sons light mountain transit No.7382,with solar attachment.The horizontal limb is provided with two double verniers placed opposite to each other,reading to single minutes of arc,which is also the least count of the latitude and declination arcs.

The instrument was examined,tested on the meridian at Salt Lake City,found correct,and was approved by the surveyor general for Utah,on July 3,1909.

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

At the cor.of Tps.42 and 43 S.,Rs.9 and 9½ W.,latitude 37°06'51"N.,longitude 112°52'12"W.,I set off 37°07'N., on the lat.arc;16°09'N.,on the decl.arc;and at 5 h 5 m p.m.,l.m.t.,I determine a meridian with the solar,and mark a point thereof on a stone firmly set in the ground,5.00 chs.N.of the cor.

At 10h 23 m p.m.,l.m.t.,I observe Polaris at eastern elongation ,in accordance with the Manual,and mark a point in the line thus determined,on a wooden plug set in the ground,5.00 chs.N.of the cor.

August 8,1909.

August 9,1909:At 6 h 30 m a.m.,l.m.t.,I lay off the azimuth of Polaris 1°28.6 ' to the west,and mark the meridian thus determined by cutting a small groove in the stone already set 5.00 chs.N.of the cor.;this mark falls 0.41 ins.east of the meridian determined by the

West bdy.of T.42 S.,R.9 W.-Continued.

Chains

solar.

At 7 h 5 m a.m.,l.m.t.,I set off 37°07'N.,on the lat.arc; 15°59'N.,on the decl.arc;and mark the meridian determined by the solar,by a cross on the stone already set 5.00 chs.N.of the cor.;this mark falls 0.39 ins.east of the meridian determined by Polaris observation.

The solar apparatus by p.m.and a.m.observations defines positions for meridians respectively about 0'22"west and 0'21"east of the meridian determined by Polaris observation;therefore I conclude that the adjustments of the instrument are satisfactory.

The magnetic bearing of the meridian at 7 h 30 m a.m., is N.15°57'W.,the angle thus determined gives the mag.decl.15°57'E.

From the cor.of Tps.42 and 43 S.,Rs.9 and 9½ W.heretofore described. I run

North,bet.secs.31 and 36.

Over mountainous land;through scattering undergrowth and heavy timber .

Asc.

18.00 Top of ridge,100 ft.above cor.,bears E.and W.

Desc.

27.50 Bottom of hollow,50 ft.below ridge,course W.

Asc.

35.00 Top of spur,125 ft.above hollow,bears E.and W.

Desc.

40.00 Set an iron post,3 ft.long,1 in.in dia.,18 ins.in the ground,surrounded by mound of stone,for ¼ sec.cor..mkd. on brass cap ¼ S36 in W half and S 31 in E half. Impossible to set post 26 ins.in the ground.

A yellow pine,12 ins.dia.,bears S.52°30'E., 52 lks.dist..mkd.¼ S 31 B T.

West bdy.of T.42 S.,R.9 W.-Continued.

Chains	
	A yellow pine,12 insldia.,bears N.33°W.,32 lks.dist..mkd.¼ S 36 B T.
52.00	Bottom of hollow,125 ft below ridge,course W.
	Asc.
55.00	Top of spur,20 ft.above hollow,bears E.and W.
	Desc.over ledges.
79.00	Leave ledges,bears E.and W.
80.00	Set an iron post,3 ft.long,3 ins.in dia.,24 ins.in the ground,for cor.of secs.25,30,31,and 36,mkd.on brass cap
	T 42 S in N half.
	R 9½ W S 25 in NW.
	R 9 W S 30 in NE.
	S 31 in SE.;and
	S.36 in SW.quadrants;from which
	A yellow pine,12 ins.dia.,bears N.43°E.,148 lks.dist..mkd.T 42 S R 9 W S 30 B T.
	A yellow 10 ins.dia.,bears S.24°30'E.,30 lks. dist..mkd.T 42 S R 9 W S 31 B T.
	A yellow pine,10 ins.dia.,bears S.23°W.,83 lks.dist..mkd.T 42 S R 9½ W S 36 B T.
	A yellow pine,8 ins.dia.,bears N.66°30'W., 63 lks.dist.;mkd.T 42 S R 9½ W S 25 B T.
	Land,mountainous .
	Soil,sandy loam and rocky;2nd and 4th rate.
	Timber,cedar,pinon pine,and yellow pine.
	Undergrowth,sage and oak brush.
	Good grass for grazing.
	Mountainous or heavily timbered land,80.00 chs.

North,on true line bet.secs.25 and 30.

Over mountainous land;through heavy timber and scattering Undergrowth,

West bdy.of T.42 S.,R 9 W; -Continued.

Chains	
	Desc.
7.00	Bottom of hollow,20 ft.below cor.,course W.
	Asc.
10.00	Top of spur,20 ft.above hollow,bears E.and W.
	Desc.
14.00	Bottom of canon,75 ft.below spur,course N.60°W.
	Asc.
27.00	Top of spur,75 ft.above canon,bears E.and W.
	Desc.
40.00	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor..mkd.on brass cap ¼ S 25 in W half and S 30 in E half;from which
	A cedar,18 ins.dia.,bears S.26°30'E.,336 lks.dist..mkd.¼ S 30 B T.
	A cedar,18 ins.dia.,bears S.66°W.,190 lks. dist..mkd.¼ S 25 B T.
48.20	Bottom of hollow,100 ft.below spur,course S.30°W.
	Asc.
49;00	Asc.abruptly over ledges,bears E.and W.
56.00	Top of ledges,75 ft.above foot,bears N.30°E.and S.30°W.
	Asc.
64.00	Top of spur,100 ft.above hollow,bears N.80°E.and S.80°W
	Desc.
67.00	Leave timber,bears E.and W.
76.00	Foot of descent,100 ft.below ridge,bears E.and W.
	Enter bottom of canon.
	Enter dense undergrowth,bears E.and W.
80.00	Set an iron post,3 ft.long,2 ins.in dia.,24 ins.in the ground,for cor.of secs.19,24,25,and 30,mkd.on brass cap
	T 42 S in N half.
	R 9½ W S 24 in NW.
	R 9 W S 19 in NE.
	S 30 in SE.;and
	S 25 in SW.quadrants;dig pits,18x18x12 ins.

West bdy.T.42 S.,R.9 W.-Continued.

Chains	
	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 loam and rocky;2nd and 4th rate.
	Timber,cedar,pinon pine,and yellow pine.
	Undergrowth,sage brush.
	Good grass for grazing.
	Mountainous or heavily timbered land,or land covered with dense undergrowth,80.00 chs.
	August 9 ,1909:At this cor.I set off 15°54'N.,on the decl. arc;and at 0 h 5 m p. m.,l.m.t.,I observe the sun on the meridian.the resulting lat.is 37°09'N.,which is the proper lat.nearly.

	North,on true line bet.secs.19 and 24.
	Over mountainous land;through dense sage brush.
	Asc.gently in canon bottom.
5.00	Asc.knoll,bears E.and W.Enter timber,bears E.and W.
11.00	Top of knoll,40 ft.high,
	Desc.
18.00	Foot of knoll,bears E.and W.
	Leave timber,bears E.and W.
	Thence across flat.
40.00	Set an iron post,3 ft.long,3 ins.in dia.,24 ins.in the ground,for ¼ sec.cor..mkd.on brass cap ¼ S 24 in W half and S 19 in E half;from which
	A cedar,6 ins.dia.,bears N.74°W.,208 lks. dist.,mkd.¼ S 24 B T.
	No other trees within limits;dig pits,18x18x12 ins.N.and S.of post,3 ft.dist.;and raise a mound of earth,3½ ft. base,1½ ft.high,W.of cor.
49.00	Begin abrupt ascent,bears N.30°E.and S.30°W.
	Enter heavy timber,bears N.30°E.and S.30°W.

West bdy.T.42 S.,R.9 W.-Continued.

Chains	
52.00	Top of spur,30 ft.above flat,bears E.and W.
	Desc.
60.00	Bottom of swale,40 ft.below spur,course S.60°E.
	Asc.abruptly.
75.00	Top of ridge,150 ft.above swale,bears NE and SW.
	Desc.
80.00	Set an iron post,3 ft.long,3 ins.in dia.,24 ins.in the ground,for cor.of secs.13,18,19,and 24,mkd.on brass cap
	T 42 S in N half.
	R 9½ W S 13 in NW.
	R 9 W S 18 in NE.
	S 19 in SE.;and
	S 24 in SW.quadrants;from which
	A cedar,10 ins.dia.,bears N.17°E.,81 lks.
	dist..mkd.T 42 S R 9 W S 18 B T.
	A cedar,16 ins.dia.,bears S.51°E.,58 lks.
	dist..mkd.T 42 S R 9 W S 19 B T.
	A cedar,6 ins.dia.,bears S.49°W.,128 lks.
	dist..mkd.T 42 SR 9½ W .S 24 B T.
	A yellow pine,6 ins.dia.,bears N.63°W.,107
	lks.dist..mkd.T 42 S R 9½ W S 13 B T.

Land,mountainous and nearly level.

Soil,sandy loam;2nd rate.

Timber,cedar,pinon pine,and yellow pine.

Undergrowth,sage brush.

Good grass for grazing.

Mountainous or heavily timbered land,or land covered w with dense undergrowth,80.00 chs.

August 9,1909.

August 10,1909:At 7 h 5 m a.m.,l.m.t.,I set off 37°09'N., on the lat.arc;15°41'N.,on the decl.arc;and determine

West bdy.of T.42 S.,R.9 W.-Continued.

Chains	
	a meridian with the solar,at the cor.of secs.13,18,19, and 24.
	Thence I run
	North,on a true line bet.secs.13 and 18.
	Over mountainous land;through scattering timber and scattering undergrowth.
	Desc.
18.00	Bottom of hollow,50 ft.below sec.cor.,course W.
	Asc.
19.50	Top of spur,15 ft.above hollow,bears E.and W.
	Desc.
22.00	Bottom of hollow,10 ft.below spur,course W.
	Asc.
29.00	Top of spur,16 ft.above hollow,bears E.and W.
	Desc.
39.90	Bottom of hollow,40 ft.below spur,course W.
	Asc.
40.00	Set an iron post,3 ft.long,1 in.in dia.,12 ins.in the ground,surrounded by mound of stone,for ¼ sec.cor.mkd. on brass cap ¼ S 13 in W half and S 18 in E half
	Impossible to set post 26 ins.in the ground.
	A yellow pine,20 ins.dia.,bears S.78°E.,73 lks.dist..mkd.¼ S 18 B T.
	A yellow pine,8 ins.dia.,bears W.,80 lks. dist..mkd.¼ S 13 B T.
49.00	Top of spur,30 ft.above hollow,bears E.and W.
	Desc.
56.00	Bottom of hollow,25 ft.below ridge,course W.
	Asc.
65.00	Top of ridge,60 ft.above hollow,bears E.and W.
	Desc.
78.40	Bottom of hollow,100 ft.below ridge,course N.50°W.
	Asc.
80.00	Set an iron post,3 ft.long,3 ins.in dis.,24 ins.in the ground,for cor.of secs.7,12,13,and 18,mkd.on brass cap

West bdy.of T.42 S.,R.9.W.-Continued.

Chains

T. 42 S in N half.

R 9½ W S 12 in NW.

R 9 W S 7 in NE.

S 18 in SE.;and

S 13 in SW.quadrants;from which

A yellow pine,18 ins.dia.,bears N.47°E.,15 lks.dist..mkd.T 42 S R 9 W S 7 B T.

A yellow pine,12 ins.dia.,bears S.4°30'E., 174 lks.dist..mkd.T 42 S R 9 W S 18 B T.

A pinon pine,10 ins.dia.,bears S.29°30'W. 186 lks.dist..mkd.T 42 S R 9 ½ W S 13 B T.

A yellow pine,8 ins.dia.,bears N.65°30'W., 188 lks.dist..mkd.T 42 S R 9½ W S 12 B T.

Land,mountainous .

Soil,sandy loam;2nd rate.

Timber,cedar,pinon pine,and yellow pine.

Undergrowth,sage brush and oak brush.

Good grass for grazing.

Mountainous land,80.00 chs.

North,bet.secs.7 and 12.

Over mountainous land;through scattering timber and scattering undergrowth.

Asc.

34.00 Top of ridge,100 ft.above sec.cor.,bears E.and W.

Desc.

40.00 Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor..mkd.on brass cap ¼ S 12 in W half and S 7 in E.half;from which

A pinon pine,12 ins.dia.,bears S.43°30'E., 75 lks.dist..mkd.¼ S 7 B T.

A cedar,12 ins.dia. bears S.89°W.,85 lks.

West bdy. of T 42 S., R 9 W.-Continued.

Chains	
	dist..mkd. S 12 B T.
52.00	Desc.abruptly over ledges,bears E.and W.
70.65	South edge of East Fork of Virgin river canon,bears E.and W.
	Sec.cor.will fall in canon,therefore at this point I Set an iron post,3 ft.long,3 ins.in dia.,24 ins.in the ground,for witness cor.to cor.of secs.1,6,7,and 12.,mkd. on brass cap
	W C T 42 S in N half.
	R 9½ W S 1 in NW.
	R 9 W S 6 in NE.
	S 7 in SE.;and
	S 12 in SW.quadrants;from which
	A yellow pine,10 ins.dia.,bears S.76°E.,43 lks.dist..mkd.W C T 42 S R 9 W S 7 B T.
	A yellow pine,7 ins.dia.,bears S.48°W.,95 lks.dist..mkd. W C T 42 S R 9½ W S 12 B T.
	No other trees within limits;raise a mound of stone, 2 ft.base,1½ ft.high,W.of cor.
	Note:It will be impossible to chain across this canon.
80.00	Falls in canon;corner cannot be set.
	Land,mountainous .
	Soil,sandy loam;2nd rate and rocky;4th rate.
	Timber,cedar,pinon pine,and yellow pine.
	Undergrowth,sage and oak brush.
	Good grass for grazing.
	Mountainous land,80.00 chs.
	August 10,1909:At the witness cor.to cor.of secs.1,6,7, and 12,I set off 15°36'N.,on the decl.arc;and at 0 h 5 m p.m.,l.m.t.,I observe the sun on the meridian ,the resulting lat.is 37°11'N.,which is the proper lat.nearly.

West bdy.of T.42 S.,R.9 W.-Continued.

Chains	
	North,on true line bet.secs.1 and 6.
	Note:To determine the distance across East Fork of Virgin river canon,I begin at the witness cor.to cor.of secs. 1,6,7,and 12,and place a flag ,and as there is no chance to get a base on south side of canon,I proceed to a point on line on north side of canon,and measure a base East 15.50 chs.to point from which the flag on south side of canon bears S.21°03'W.,I therefore calculate the distance across as follows:
	Tan 68°57' x base or 2.59831 x 15.50 = 40.27 chs.
	40.27 - 9.35 makes (on line bet.secs.1 and 6)
30.92	North edge of East Fork of Virgin river canon,2000 ft. above bottom of canon,bears N.85°W.and S.85°E.
	The creek in this canon is about 30 lks.wide,and 20 ins. deep.
	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground.for witness point,mkd.on brass cap W P in W half; from which
	A cedar,4 ins.dia.,bears S.15°E.,11 lks. dist..mkd. W P B T.
	No other trees within limits;raise a amound of stone, 2 ft.base,1½ ft.high,W.of cor.
	Thence ascend abruptly over a series of small ledges.
40.00	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor..mkd.on brass cap ¼ S 1 in W.half and S 6 in E half;from which
	A pinon pine,18 ins.dia.,bears N.75°E.,45 lks.dist..mkd.¼ S 6 B T.
	A yellow pine,12 ins.dia.,bears S.45°W.,69 lks.dist..mkd.¼ S 1 B T.
69.70	Top of ridge;400 ft.above witness point,bears E.and W. Desc.
76.68	Set an iron post,3 ft.long,3 ins.in dia.,24 ins.in the ground,for cor.of Tps.41 and 42 S.,Rs.9 and 9½ W.,mkd.

West bdy.of T.42 S.,R.9 W.-Continued.

Chains

on brass cap

T 41 S in N half.

T 42 S in S half.

R 9½ W S 36 in NW.

R 9 W S 31 in NE.

R 9 W S 6 in SE.;and

R 9½ W S 1 in SW.quadrants;from which

A yellow pine,12 ins.dia.,bears N.50°30'E.,

178 lks.dist..mkd.T 41 S R 9 W S 31 B T.

A yellow pine,10 ins.dia.,bears S.15°15'E.,

127 lks.dist..mkd.T 42 S R 9 W S 6 B T.

A yellow pine,10 ins.dia.,bears S.64°30'W.,

251 lks.dist..mkd.T 42 S R 9½ W S 1 B T.

A yellow pine,11 ins.dia.,bears N.87°W.,222

lks.dist..mkd.T 41 S R 9½ W S 36 B T.

Land mountainous .

Soil,sandy loam and rocky;2nd and 4th rate.

Timber,cedar ,pinon pine,and yellow pine.

Undergrowth,oak,and sage brush.

Good grass for grazing.

Mountainous land,76.68 chs.

August 10,1909.

East bdy.of T.42 S.,R.9 W.

August 11,1909:At 9 h 5 m a.m.,l.m.t.,I set off 37°07'N.,

on the lat.arc;15° 21'N.,on the decl.arc;and determine

a meridian with the solar,at the cor.of Tps.42 and 43

S.,Rs.8 and 9 W.,heretofore described.

Thence I run

East bdy.of T.42 S.,R.9 W.-Continued.

Chains	
	North,bet.secs.31 and 36.
	Over nearly level land;through dense sage brush and mountain rush.
	Asc.gently.
10.00	Enter scattering cedar and pinon pine timber ,bears E.and W.
15.00	Begin ascent of mountain,bears E.and W.
25.15	Foot of perpendicular sandstone ledge,100 ft.high,bears E.and W. Continue asc.over ledges.
34.00	Top of ridge,600 ft.above Tp.cor.,bears N.60°W.and S.60°E.
	Desc.
39.70	Head of hollow,40 ft.below ridge,course SE.
	Asc.
40.00	Set ai iron post,3 ft.long,1 in.in dia.,26 ins.in the groundlfor ¼ sec.cor..mkd.on brass cap ¼ S 36 in W half and S 31 in E half;from which
	A pinon pine,10 ins.dia.,bears S.6°40'E.,70 lks.dist..mkd.¼ S 31 B T.
	A pinon pine,12 ins.dia.,bears S.29°30'W.,52 lks.dist..mkd.¼ S 36 B T.
50.00	Top of ridge,150 ft.above hollow,bears E.and W.
	Desc. Leave ledges,bears E and W.
61.00	Begin steeper descent over ledges,bears E.and W.
65.00	Top of sloping ledge,160 ft.high,bears N.10°W.and S.10°E.
69.00	Foot of same ledge,bears same.
74.00	Bottom of hollow,600 f .below ridge,course NE.
	Asc.
77.00	Top of spur,100 ft.above hollow,bears NE and W.
	Desc.
80.00	Set an iron post,3 ft.long,3 ins.in dia.,24 ins.in the ground,for cor.of secs.25,30,31,and 36,mkd.on brass cap
	T 42 S in N half
	R 9 W S 25 in NW.
	R 8 W S 30 in NE.

East bdy.of T.42 S.,R.9 W.-Continued.

Chains	
	S 31 in SE.;and
	S 36 in SW.quadrants;from which
	A yellow pine,12 ins.dia.,bears N.53°50'E.,42 lks.dist..mkd.T 42 S R 8 W S 30 B T.
	A yellow pine,13 ins.dia.,bears S.31°20'E.,64 lks.dist..mkd.T 42 S R 8 W S 31 B T.
	A yellow pine,14 ins.dia.,bears S.21°30'W.,191 lks.dist..mkd.T 42 S R 9 W S 36 B T.
	A pinon pine,8 ins.dia.,bears N.29°10'W.,112 lks.dist..mkd.T 42 S R 9 W S 25 B T.
	Land,mountainous and rolling.
	Soil,sandy loam;2nd rate.
	Timber,cedar and pinon pine and yellow pine.
	Undergrowth,sage brush and mountain rush.
	Good grass for grazing.
	Mountainous land,or land covered with dense undergrowth,
	80.00 chs.
	August 11,1909:At the noon hour the sky is overcast and solar observations are impossible.
	North,bet.secs.25 and 30.
	Over mountainous land;through dense sage and bitter brush and scattering cedar and pinon pine timber.
	Desc.
15.00	Foot of steep descent,bears E.and W.
	Desc.gradually.
40.00	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor..mkd.on brass cap ¼ S 25 in W half and S 30 in E half;from which
	A cedar,8 ins.dia.,bears N.47° 50'E.,340 lks. dist..mkd.¼ S 30 B T.
	A cedar,4 ins.dia.,bears S.0°30'W.,25 lks.

East bdy.of T.42 S.,R.9 W.-Continued.

Chains

dist..mkd.¼ S 25 B T.

78.00 Enter heavy cedar and pinon pine timber,bears E.and W.

80.00 Set an iron post,3 ft.long,3 ins.in dia.,24 ins.in the ground,for cor.of secs.19,24,25,and 30,mkd.on brass cap

T.42 S in N half.

R 9 W S 24 in NW.

R.8 W.S 19 in NE.

S 30 in SE.;and

S 25 in SW.;quadrants;from which

A cedar,5 ins.dia.,bears N.72°20'E.,22 lks.

dist..mkd.T 42 S R 8 W S 19 B T.

A cedar,8 ins.dia.,bears S.65°15'E.,40 lks.

dist..mkd.T 42 S R 8 W S 30 B T.

A cedar,14 ins.dia.,bears S.56°15'W.,48 lks.

dist..mkd.T 42 S R 9 W S 25 B T.

A cedar,14 ins.dia.,bears N.72°15'W.,59 lks.

dist..mkd.T 42 S R 9 W S 24 B T.

Land,mountainous.

Soil,sandy loam;2nd rate.

Timber,cedar and pinon pine.

Undergrowth,sage and bitter brush.

Good grass for grazing.

Mountainous or heavily timbered land,or land covered with dense undergrowth,80.00 chs.

North,bet.secs.19 and 24.

Over rolling mountainous land;through dense sage,and bitter brush and mountainous rush,and scattering timber.

Desc.gently.

36.00 Broad hollow,40 ft below sec.cor.,course N.20°E.

Asc.

East bdy. of T.42 S., R.9 W.-Continued.

Chains

40.00 Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground, for ¼ sec. cor.. mkd. on brass cap ¼ S 24 in W half and S 19 in E half; from which

A cedar, 6 ins. dia., bears N.23°40'E., 403 lks. dist.. mkd. ¼ S 19 B T.

A cedar 5 ins. dia., bears N.48°50'W., 120 lks. dist.. mkd. ¼ S 24 B T.

44.00 Enter heavy timber, bears NE and SW.

58.00 Top of ridge, 40 ft. above hollow, bears N.20°E. and S.20°W. Desc. gently.

65.60 Old road, bears N.20°E. and S.20°W.

80.00 Set an iron post, 3 ft. long, 3 ins. in dia., 24 ins. in the ground, for cor. of secs. 13, 18, 19, and 24, mkd. on brass cap

T 42 S in N half

R 9 W S 13 in NW.

R 8 W S 18 in NE.

S 19 in SE.; and

S 24 in SW.; quadrants; from which

A cedar, 12 ins. dia., bears N.24°E., 28 lks. dist.. mkd. T 42 S R 8 W S 18 B T.

A cedar, 10 ins. dia., bears S.46°E., 77 lks. dist.. mkd. T 42 S R 8 W S 19 B T.

A cedar, 6 ins. dia. bears S.29°W., 31 lks; dist.. mkd. T 42 S R 9 W S 24 B T.

A cedar, 12 ins. dia., bears N.61°W., 61 lks. dist.. mkd. T 42 S R 9 W S 13 B T.

Land, mountainous.

Soil, sandy loam; 2nd rate.

Timber, cedar and pinon pine.

Undergrowth, sage and bitter brush and mountain rush.

Good grass for grazing.

Mountainous or heavily timbered land, or land covered with dense undergrowth, 80.00 chs.

August 11, 1909.

East bdy.of T.42 S.,R.9 W.-Continued.

Chains	
	August 12,1909:At 7 h 5 m a.m.,l.m.t.I set off 37°09'N., on the lat.arc;15°06'N.,on the decl.arc;and determine a meridian with the solar,at the cor.of secs.13,18,19,and 24.
	Thence I run
	North,bet.secs.13 and 18.
	Over mountainous land;through dense undergrowth and scattering timber .
	Desc.gradually.
13.60	Bottom of hollow,40 ft.below cor.,course NE.
	Asc.
15.20	Top of ridge, 30 ft.above hollow,bears NE and SW.
	Desc.
20.50	Bottom of hollow,50 ft.below ridge,course N.20°W.
	Asc.
29.00	Top of spur,20 ft.above hollow,bears NW and SE.
	Desc.
31.00	Enter side of same hollow,course NE.
32.00	Leave hollow,course N.20°W.
	Asc.
40.00	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor..mkd.on brass cap ¼ S 13 in W half and S 18 in E half;from which
	A pinon pine,8 ins.dia.,bears N.64°E.,41 lks. dist..mkd.¼ S 18 B T.
	A pinon pine,7 ins.dia.,bears N.89°W.,67 lks. dist..mkd.¼ S 13 B T.
40.20	Top of ridge,50 ft.above hollow,bears E.and W.
	Desc.
50.00	Bottom of hollow,40 ft.below ridge,course N.80°W.
	Asc.
60.00	Top of ridge,40 ft.above hollow,bears E.and W.
	Desc.

East bdy. of T. 42 S., R. 9 W.-Continued.

Chains

72.00 Bottom of hollow, 30 ft. below ridge, course W.

Asc.

80.00 Set an iron post, 3 ft. long, 3 ins. in dia., 24 ins. in the ground, for cor. of secs. 7, 12, 13, and 18, mkd. on brass cap

T 42 S in N half.

R 9 W S 12 in NW.

R 8 W S 7 in NE.

S 18 in SE.; and

S 13 in SW. quadrants; from which

A pinon pine, 24 ins. dia., bears N. 67°E., 13 lks. dist. mkd. T 42 S R 8 W S 7 B T.

A cedar, 12 ins. dia., bears S. 84°15'E., 63 lks. dist. mkd. T 42 S R 8 W S 18 B T.

A cedar, 14 ins. dia., bears S. 71°30'W., 19 lks. dist. mkd. T 42 S R 9 W S 13 B T.

A cedar, 22 ins. dia., bears N. 40°W., 23 lks. dist. mkd. T 42 S R 9 W S 12 B T.

Land, mountainous.

Soil, sandy loam; 2nd rate.

Timber, cedar pinon pine, and yellow pine.

Undergrowth, sage and oak brush.

Good grass for grazing.

Mountainous land, or land covered with dense undergrowth, 80.00 chs.

North, bet. secs. 7 and 12.

Over mountainous land; through dense undergrowth and scattering timber.

Asc. gently.

.50 Top of ridge, 10 ft. above sec. cor., bears NW and SE.

Desc.

35.00 Begin abrupt descent, bears E. and W.

East bdy.of T.42 S.,R.9 W.-Continued.

Chains	
	Desc.over ledges.
40.00	Point 100 ft.below edge of descent.
	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor..mkd.on brass cap ¼ S 12 in W half and S 7 in E half;from which
	A yellow pine,30 ins.dia.,bears S.49°50'E.,35 lks.dist..mkd.¼ S 7 B T.
	A yellow pine,15 ins.dia.,bears N.61°30'W.,32 lks.dist..mkd.¼ S 12 B T.
45.00	Creek,30 lks.wide,12 ins.deep,in bottom of East Fork of Virgin River canon,500 ft.below ¼ sec.cor.,course W.
	Asc.abruptly over ledges.
65.30	Top of ridge,400 ft.above canon,bears NE and SW.
	Desc.
80.00	Set an iron post,3 ft.long,3 ins.in dia.,12 ins.in the ground,and surrounded by mound of stone,for cor.of secs. 1,6,7,and 12,mkd.on brass cap
	T 42 S in N half.
	R 9 W S 1 in NW.
	R 8 W S 6 in NE.
	S 7 in SE.;and
	S 12 in SW.quadrants;from which
	A yellow pine,14 ins.dia.,bears N.70°E.,168 lks.dist..mkd.T 42 S R 8 W S 6 B T.
	A pinon pine,12 ins.dia.,bears S.60°30'E.,121 lks.dist..mkd.T 42 S R 8 W S 7 B T.
	A pinon pine,16 ins.dia.,bears S.50°45'W.,162 lks.dist..mkd.T 42 S R 9 W S 12 B T.
	A pinon pine,12 ins.dia.,bears N.40 °20'W.,204 lks.dist..mkd.T 42 S R 9 W S 1 B T.
	Land,mountainous .
	Soil,rocky and sandy ;4th and 2nd rate.
	Timber,cedar,pinon pine,and yellow pine.
	Undergrowth,sage brush and oak brush.

East bdy.of T.42 S.,R.9 W.-Continued.

Chains	
	Good grass for grazing.
	Mountainous land,or land covered with dense.undergrowth,
	80.00 chs.
	August 12,1909:At this cor.I set off 15°01'N.,on the decl.
	arc;and at 0 h 5 m p.m.,l.m.t.,I observe the sun on the
	meridian ,the resulting lat.is 37°11'N.,which is the
	proper lat.nearly.
	North,bet.secs.1 and 6.
	Over mountainous land;through scattering timber .
	Desc.over sandstone ledges from 10 ft.to 200 ft.high,
5.00	Bottom of hollow,100 ft.below sec.cor.,course W.
	Asc.
20.00	Top of ridge,40 ft.above hollow,bears E.and W.
	Desc.abruptly.
38.00	Creek,8 lks.wide,5 ins.deep,in bottom of Little Meadow
	Gulch,150 ft.below ridge,course S.30°W.
	Asc.abruptly.
40.00	Set an iron post,3 ft.long,1 in.in dia.,12 ins.in the
	ground,and surrounded by mound of stone,for ¼ sec.cor.,
	mkd.on brass cap ¼ S 1 in W half and S 6 in E half;
	from which
	A yellow pine,10 ins.dia.,bears S.86°E.,290
	lks.dist..mkd.¼ S 6 B T.
	A yellow pine,16 ins.dia.,bears S.60°W.,220
	lks.dist..mkd.¼ S 1 B T.
68.00	Top of ridge,150 ft.above canon,bears N.15°W.and S.15°E.
	Desc.
76.68	Set an rion post,3 ft.long,3 ins.in dia.,24 ins.in the
	ground,for cor.of Tps.41 and 42 S.,Rs.8 and 9 W.,mkd.
	on brass cap
	T 41 S in N half.
	T 42Sin S half.

East bdy.of T.42 S.,R.9 W.-Continued.

Chains

R 9 W S 36 in NW.

R 8 W S 31 in NE.

R 8 W S 6 in SE.;and

R 9 W S 1 in SW.quadrants;from which

A pinon pine,10 ins.dia.,bears N.69°E.,78 lks.dist..mkd.T 41 S R 8 W S 31 B T.

A pinon pine,6 ins.dia.,bears S.88°E.,98 lks.dist..mkd.T 42 S R 8 W S 6 B T.

A yellow pine,16 ins.dia.,bears S.40°30'W.,149 lks.dist..mkd.T 42 S R 9 W S 1 B T.

A yellow pine,10 ins.dia.,bears N.69°W.,421 lks.dist.mkd.T 41 S R 9 W S 36 B T.

Land ,mountainous .

Soil,rocky;4th rate.

Timber,cedar,pinon pine,and yellow pine.

Undergrowth,sage and oak brush.

Good grass for grazing.

Mountainous land,76.68 chs.

August 12,1909.

North bdy.of T.42 S.,R.9 W.

August 13,1909:At 7 h 5 m a.m.,l.m.t.,I set off 37°12'N., on the lat.arc;and 14°48'N.,on the decl.arc;and determine a meridian with the solar,at the cor.of Tps.41 and 42 S.,Rs.8 and 9 W.,heretofore described.

Thence I run

West,on a random line along North bdy.of Tp.,setting temp.¼ sec. and sec.cors.at intervals of 40.00 chs.,

North bdy.of T.42 S.,R.9 W.-Continued.

Chains	
	and at 477.71 chs.Intersect W.bdy.of Tp.,14 lks.South of the cor.of Tps.41 and 42 S.,Rs.9 and 9½ W.,heretofore described.
	The falling answers to a correction of 1' or 2 lks.S. per mile,counting from this cor.
	August 13,1909At this cor.I set off 14'43'N.,on the decl. arc;and at 0 h 5 m p.m.,l.m.t.,I observe the sun on the meridian the resulting lat.is 37°12'N.,which is the proper lat.nearly.
	Thence I run
	S.89°59'E.,on a true line along N.bdy.of Tp.,bet.secs. 6 and 31.
	Over mountainous land;through scattering timber and scattering undergrowth.
	Asc. over ledges.
2.87	Top of ridge,80 ft.above Tp.cor.,bears N.and S.
	Desc.
28.50	Bottom of hollow,250 ft.below ridge,course S.20°E.
	Asc.
30.50	Top of spur,60 ft.above hollow,bears N.and S.
	Desc.
32.50	Bottom of canon,80 ft.below spur,course S.
	Asc.
37.71	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor..mkd.on brass cap ¼ S 31 in N half and S 6 in S half;from which
	A yellow pine,10 ins.dia.,bears N.45°45'W.,61 lks.dist..mkd.¼ S 31 B T.
	A yellow pine,12 ins.dia.,bears S.36°15'W.,47 lks.dist..mkd.¼ S 6 B T.
59.30	Top of ridge,500 ft.above canon,bears N.and S.
	Desc.abruptly.
74.00	Bottom of canon,500 ft.below ridge,course SE.
	Asc.abruptly.

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North bdy.T.42 S.,R.9 W.-Continued.

Chains	
77.71	Set an iron post,3 ft.long,3 ins.in dia.,12 ins.in the ground,and surrounded by mound of stone,for cor.of secs. 5,6,31,and 32,mkd.on brass cap T 41 S S 31 in NW. R 9 W S 32 in NE. R 9 W S 5 in SE.;and T 42 S S 6 in SW.quadrants;from which A yellow pine,10 ins.dia.,bears N.69°50'E., 59 lks.dist..mkd.T 41 S R 9 W S 32 B T. A yellow pine,12 ins.dia.,bears S.28°20'E.,54 lks.dist..mkd.T 42 S R 9 W S 5 B T. A yellow pine,14 ins.dia.,bears S.63°30'W.,117 lks.dist..mkd.T 42 S R 9 W S 6 B T. A yellow pine,9 ins.dia.,bears N.36°50'W.,100 lks.dist..mkd.T 41 S R 9 W S 31 B T. Land,mountainous . Soil,sandy loam and rocky;2nd and 4th rate. Timber,cedar,pinon pine,and yellow pine. Undergrowth,sage brush. Good grass for grazing. Mountainous land,77.71 chs. Impossible to set sec.cor.24 ins.in the ground.
	———
	S.89°59'E.,on a true line bet.secs.5 and 32. Over mountainous land;through scattering timber . Asc.abruptly over a series of ledges.
6.00	Top of ridge,200 ft.above sec.cor.,bears N.and S. Desc.abruptly.
26.00	Bottom of rocky canon,600 ft.below ridge,course S.30°W. Asc.abruptly.
40.00	Set an iron post,3 ft/long,1 in.in dia.,14 ins.in the ground,and surrounded by mound of stone,for ¼ sec.cor., mkd.on brass cap ¼ S 32 in N half and S 5 in S half.; Impossible to set post 26 ins.in the ground.

North bdy.of T.42 S.,R.9 W.-Continued.

Chains	
	A yellow pine,12 ins.dia.,bears N.43°40'E.,23 lks.dist..mkd.¼ S 32 B T.
	A yellow pine,9 ins.dia.,bears S.26°40'E.,17 lks.dist..mkd.¼ S 5 B T.
48.80	Top of ridge,800 ft.above hollow,bears N.and S.
	Desc.abruptly.
64.00	Bottom of canon,700 ft.below ridge,course S.
	Asc.abruptly.
80.00	Set an iron post,3 ft.long,3 ins.in dia.,15 ins.in the ground,and surrounded by mound of stone and earth,for cor.of secs.4,5,32,and 33,mkd.on brass cap
	T 41 S S 32 in NW.
	R 9 W S 33 in NE.
	R 9 W S 4 in SE.;and
	T 42 S S 5 in SW.quadrants;from which
	A yellow pine,14 ins.dia.,bears N.48°45'E., 103 lks.dist..mkd.T 41 S R 9 W S 33 B T.
	A yellow pine,12 ins.dia.,bears S.29°15'E., 127 lks.dist.;mkd.T 42 S R 9 W S 4 B T.
	A yellow pine,8 ins.dia.,bears S.57°W.,156 lks.dist..mkd.T 42 S R 9 W S 5 B T.
	A pinon pine,7 ins.dia.,bears N.36°30'W.,138 lks.dist..mkd.T 41 S R 9 W S 32 B T.
	Land,mountainous ledges all the way.
	Soil,rocky;4th rate.
	Timber,cedar,pinon pine,and yellow pine.
	Good grass for grazing.
	Mountainous land,80.00 chs.
	Impossible to set sec.cor.post 24 ins.in the ground.
	August 13,1909.

August 14,1909:At 7 h 5 m a.m.,l.m.t.,I set off 37°12'N.,

North bdy.of T.42 S.,R.9 W.-Continued.

Chains	
	on the lat.arc;14°29'N.,on the decl.arc;and determine a meridian with the solar,at the cor.of secs.4,5,32,and 33.
	Thence I run
	S.89°59'E.,on a true line bet.secs.4 and 33.
	Over mountainous land;through scattering timber.
	Asc.abruptly over a series of ledges.
7.00	Top of ridge,150 ft.above sec.cor.,bears N.and S.
	Desc.abruptly.
19.00	Bottom of canon,600 ft.below ridge,course S.20°E.
	Asc.abruptly.
29.50	Top of ridge,40 ft.above canon,bears N.and S.
	Desc.abruptly.
32.70	Bottom of hollow,200 ft.below ridge,course SW.
	Asc.
37.70	Top of ridge,250 ft.above hollow,bears N.and S.
	Desc.
40.00	Set an iron post,3 ft.long,1 in.in dia.,12 ins.in the ground,surrounded by mound of stone,for ¼ sec.cor.,mkd. on brass cap ¼ S 33 in N half.and S 4 in S half;Impossible to set post 26 ins.in the ground.
	A pinon pine,8 ins.dia.,bears N.30°15' E.,51 lks.dist..mkd.¼ S 33 B T.
	A pinon pine,10 ins.dia.,bears S.36°15'W.,4 lks.dist..mkd.¼ S 4 B T.
41.50	Bottom of hollow,100 ft .below ridge,course S.
	Asc.
45.60	Top of ridge,60 ft.above hollow,bears N.and S.
	Desc. abruptly.
54.80	Bottom of canon,500 ft.below ridge,course S.20°W.
	Asc.abruptly.
68.00	Top of abrupt ascent,600 ft.above canon,bears N.and S.
	Enter dense sage brush,bears N.and S. Leave ledges.
	Asc.gradually.
80.00	Set an iron post,3 ft.long,3 ins.in dia.,24 ins.in the ground,for cor.of secs.3,4,33,and 34,mkd.on brass cap

North bdy.of T.42 S.,R.9 W.-Continued.

Chains	
	T 41 S S 33 in NW.
	R 9 W S 34 in NE.
	R 9 W S 3 in SE.;and
	T 42 S S 4 in SW.quadrants;from which
	A pinon pine,14 ins.dia.,bears N.56°25'E.,43 lks.dist..mkd.T 41 S R 9 W S 34 B T.
	A cedar,9 ins.dia.,bears S.65°40'E.,33 lks. dist..mkd.T 42 S R 9 W S 3 B T.
	A cedar,10 ins.dia.,bears S.63°W.,34 lks. dist..mkd.T 42 S R 9 W S 4 B T.
	A cedar,14 ins.dia.,bears N.7°15'W.,254lks. dist.mkd.T 41 S R 9 W S 33 B T.
	Land,mountainous .
	Soil,sandy loam and rocky;2nd and 4th rate.
	Timber,cedar,pinon pine,and yellow pine.
	Undergrowth,oak and sage brush.
	Good grass for grazing.
	Mountainous land,or land covered with dense undergrowth, 80.00 chs.
	—
	S.89°59'E.,on a true line bet.secs.3 and 34.
	Over mountainous land;through scattering timber and scattering undergrowth.
	Asc.gradually.
19.00	Top of ridge,100 ft.above sec.cor.,bears N.20°E.and S.20° W.
	Desc.
40.00	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor..mkd.on brass cap ¼ S 34 in N half and S 3 in S half;from which
	A pinon pine,14 ins.dia.,bears N.70°E.33 lks. dist..mkd.¼ S 34 B T.
	A pinon pine,14 ins.dia.,bears S.63°45'E.,44

North bdy.of T.42 S.,R.9 W.-Continued.

Chains	
	lks.dist..mkd.¼ S 3 B T.
45.40	Bottom of hollow,250 ft.below ridge,course S.20°W.
	Asc.
53.70	Top of ridge,150 ft.above hollow,bears North..and South,.
	Desc.
72.80	Bottom of hollow,400 ft.below ridge,course NW.
	Asc.
78.80	Top of ridge,140 ft.above hollow,bears N.and S.
	Desc.
80.00	Set an iron post, 3 ft.long,3 ins.in dia.,24 ins.in the ground,for cor.of secs.2,3,34,and 35,mkd.on brass cap
	T 41 S S 34 in NW.
	R 9 W S 35 in NE.
	R 9 W S 2 in SE.;and
	T 42 S S 3 in SW.quadrants;from which
	A yellow pine,18 ins.dia.,bears N.17°50'E.,
	149 lks.dist..mkd.T 41 S R 9 W S 35 B T.
	A cedar,8 ins.dia.,bears S.52°15'E.,62 lks.
	dist..mkd.T 42 S R 9 W S 2 B T.
	A yellow pine,12 ins.dia.,bears S.42°15'W.,73
	lks.dist..mkd.T 42 S R 9 W S 3 B T.
	A yellow pine,14 ins.dia.,bears N.38°15'W.,73
	lks.dist..mkd.T 41 S R 9 W S 34 B T.
	Land,mountainous.
	Soil,sandy loam;2nd rate.
	Timber,cedar and pinon pine.
	Undergrowth,oak,service berry,and sage brush.
	Good grass for grazing.
	Mountainous land,80.00 chs.
	August 14,1909:At this cor.I set off14°24'N.,on the decl. arc;and at 0 h 5 m p.m.,l.m.t.,I observe the sun on the meridian,the resulting lat.is 37°12'N.,which is the proper lat.nearly.

North bdy. of T.42 S., R.9 W.-Continued.

Chains	
	S.89°59'E., on a true line bet. secs. 2 and 35.
	Over mountainous land; through scattering timber and scattering undergrowth.
	Desc.
.75	Bottom of hollow, 10 ft. below sec. cor., course N.
	Asc.
4.50	Top of ridge, 100 ft. above hollow, bears N. and S.
	Desc.
5.10	Bottom of hollow, 40 ft. below ridge, course NW.
	Asc.
17.00	Top of ridge, 40 ft. above hollow, bears NW and SE.
	Desc.
20.50	Bottom of hollow, 50 ft. below ridge, course NW.
	Asc.
29.00	Top of spur, 50 ft. above hollow, bears NW and SE.
	Desc.
30.50	Bottom of hollow, 100 ft. below ridge, course NW.
	Asc.
40.00	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground, for ¼ sec. cor. mkd. on brass cap ¼ S 35 in N half and S 2 in S half; from which
	A cedar, 6 ins. dia. bears N.70°30'E., 130 lks. dist. mkd. ¼ S35 B T.
	A cedar, 6 ins. dia., bears S.20°E. 106 lks. dist. mkd. ¼ S 2 B T.
54.50	Top of ridge, 150 ft. above hollow, bears NE and SW.
	Desc.
60.50	Bottom of hollow, 60 ft. below ridge, course S.
	Asc.
64.00	Top of ridge, 40 ft. above hollow, bears N. and S.
	Desc.
66.00	Bottom of hollow, 30 ft. below ridge, course S.30°W.
	Asc.
68.00	Top of ridge, 30 ft. above hollow, bears N.30°E. and S.30°W.

North bdy.of T.42 S.,R.9 W.-Continued.

Chains	
	Desc.
69.00	Bottom of hollow,20 ft.below ridge,course S.30°W.
	Asc.
72.50	Top of ridge,50 ft.above hollow,bears N.20°.E.and S.20° W.
	Desc.
74.00	Bottom of hollow,30 ft.below ridge,course S.30°W.
	Asc.
76.60	Top of ridge,30 ft.above hollow,bears N.and S.
	Desc.
78.50	Bottom of hollow,40 ft.below ridge,course S.30°W.
	Asc.
80.00	Set an iron post,3 ft.long,3 ins.in dia.,24 ins.in the ground,for cor.of secs.1,2,35,and 36,mkd.on brass cap T 41 S S 35 in NW. R 9 W S 36 in NE.; R 9 W S 1 in SE.;and T 42 S S 2 in SW quadrants;from which A pinon pine,9 ins.dia.,bears N.6°30'E.,37 lks. dist..mkd.T 41 S R 9 W S 36 B T. A pinon pine,10 ins.dia.,bears S.47°E.,37 lks. dist.,mkd.T 42 S R 9 W S 1 B T. A pinon pine,18 ins.dia.,bears S.68°45'W.,111 lks,dist..mkd.T 42 S R 9 W S 2 B T. A pinon pine,14 ins.dia.,bears N.56°W.,70 lks. dist..mkd.T 41 S R 9 W S 35 B T.
	Land,mountainous .
	Soil,sandy loam;2nd rate.
	Timber,cedar and pinon pine and yellow pine.
	Undergrowth,sage brush.
	Good grass for grazing.
	Mountainous land,80.00 chs.

North bdy.of T.42 S.,R.9 W.-Continued.

Chains	
	S.89°59'E.,on a true line bet.secs.1 and 36.
	Over mountainous land;through scattering timber and scattering undergrowth.
	Asc.abruptly over a series of ledges.
8.20	Top of ascent,500 ft.above sec.cor.,bears N.and S.
	Leave ledges,bears N.and S.
	Thence Over mesa.
	Enter dense undergrowth,bears N.and S.
14.50	Leavemesa,bears N.and S.
	Leave dense undergrowth and enter scattering undergrowth, bears N.and S.
	Desc.abruptly over ledges.
37.00	Bottom of canon,600 ft.below mesa,course S.
	Asc.abruptly.
40.00	Set an iron post,3 ft.long,3 ins in dia.,24 ins.in the ground,for ¼ sec.cor..mkd.on brass cap ¼ S 36 in N half and S 1 in S half;from which
	A pinon pine,18 ins.dia.,bears N.38°E.,16 lks.dist..mkd.¼ S 36 B T.
	A pinon pine,10 ins.dia.,bears S.54°E.,45 lks.dist..mkd. ¼ S 1 B T.
50.00	Begin abrupt ascent,bears N.and S.
52.00	Ledge,80 ft.high,bears N.and S.
54.50	Top of ridge,600 ft.above canon,bears N.and S.
	Desc.abruptly.
63.75	Top of perpendicular ledge,100 ft.high,bears N.and S.
80.00	The cor.of Tps.41 and 42 S.,Rs.8 and 9 W.,500 ft.below ridge.
	Land,mountainous .
	Soil,sandy loam and rocky;2nd and 4th rate.
	Timber,cedar,pinon pine,and yellow pine.
	Undergrowth,sage brush.
	Good grass for grazing.

North bdy.of T.42 S.,R.9 W,-Continued.

Chains

Mountainous land,or land covered with dense undergrowth, 80.00 chs.

August 14,1909.

Boundaries of T.42 S.,R.9 W.

Line Designated	Course	Distance chs.	Latitudes N. chs.	Latitudes S. chs.	Departures E. chs.	Departures W. chs.
W.bdy.T.42 S.,R.9 W.	North	476.68	476.68			
N.bdy.T.42 S.,R.9 W.	S.89°59'E.	477.71		.14	477.71	
E.bdy.T.42 S.,R.9 W.	South	476.68		476.68		
S.bdy.T.42 S.,R.9 W.	S.89°58'W.	478.44		.28		478.44
Convergency					.55	
Totals			476.68	477.10 476.68	478.26	478.44 478.26
Error in lat.				.42		
Error in dep.						.18

GENERAL DESCRIBTION.

Note:For general description see notes of subdivision of township.

August 14,1909.

Scott P. Stewart
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 Scott P. Stewart, United States Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the survey of the E. W. and N. bdys. of T. 43 S. R. 8 W.; N. and W. bdys. of T. 44 S. R. 8 W.; N. and W. bdys. T. 44 S. R. 9 W.; E. W. and N. bdys. of T. 42 S. R. 9 W. all of Salt Lake Base and Meridian, Utah. showing the respective capacities in which they acted:

Quimby Stewart, Chainman.
Hillman Dalley, Chainman.
Ren Stewart, Moundman.
Stuart Horsley, Moundman.
Joseph Stevens, Axman.
Shirley C. Horsley, ~~Axman.~~ Flagman
, ~~Flagman.~~

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted Scott P. Stewart, United States Deputy Surveyor, in surveying all those parts or portions of the E. W. and N. bdys. of T. 43 S. R. 8 W.; N. and W. bdys. of T. 44 S. R. 8 W.; N. and W. bdys. of T. 44 S. R. 9 W.; E. W. and N. bdys. of T. 42 S. R. 9 W. all of 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.

Quimby Stewart, Chainman.
Hillman Dalley, Chainman.
Ren Stewart, Moundman.
Stuart Horsley, Moundman.
Joseph Stevens, Axman.
Shirley C. Horsley, ~~Axman.~~ Flagman
, ~~Flagman.~~

Subscribed and sworn to before me this 15th day of September, 1909.

SEAL

Scott P. Stewart
U. S. Deputy Surveyor.

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FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, Scott P. Stewart, United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from Thomas Hull United States Surveyor General for Utah, bearing date of the 17th day of March, 1909, I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for Utah, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of the E. W. and N. bdys of T. 43 S. R. 8 W.; N. and W. bdys of T. 44 S. R. 8 W.; N. and W. bdys T. 44 S. R. 9 W.; E. W. and N. bdys. of T. 42 S. R. 9 W. all of S

~~of the~~ Salt Lake Base and meridian, in the State of Utah, which are represented in the foregoing field notes in books B. E. G. and P. 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.

Scott P. Stewart
United States Deputy Surveyor.

Subscribed by said Scott P. Stewart, and sworn to before me this 31 day of December, 1909.

Thomas Hull
U. S. Surveyor-General
for Utah.

SEAL

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, June 27, 1910

The foregoing field notes of the survey of the West, East, and North Boundaries of Township No. 42 South, Range No. 9 West of the Salt Lake Base and Meridian, Utah,

executed by Scott P. Stewart and Frank C. French under their contract No. 308, dated March 17, 1909, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Thomas Hull
United States Surveyor General.

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

United States Surveyor General.

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BOOK A-353

FIELD NOTES

M.S.B.

OF THE SURVEY OF THE

SUBDIVISION

of

Township No.42 South, Range No.9 West,

Of the Salt Lake Base and *Meridian,*

State of Utah.

AS SURVEYED BY

cott P.Stewart and Frank C.French, *United States Deputy Surveyor,*s

nder ~~his~~ their *Contract No.* 308, *dated* March 17,1909., *190*

urvey *commenced* August 29,1909., *190*

urvey *completed* September 15,1909., *190*

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59-55-53

NAMES AND DUTIES OF ASSISTANTS.

Quimby Stewart, Chainman,
Hillman Dalley, Chainman,
Rew Stewart, Moundman,
Stuart Horsley, Moundman,
Joseph Stevens, Axman,
Shirley C. Horsley, Flagman.

For preliminary affidavits see book "J" Tp.44 S., R. 8 W.

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BOOK A-353

INDEX DIAGRAM.

Township 42 South, *Range* 9 West

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

..... *Chainm*

..... *Chainm*

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

SEAL

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

..... *Moundm*

..... *Moundm*

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

SEAL

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

..... *Axm*

..... *Axm*

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

SEAL

I, ..., 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, i
survey of .....

..... *Flag*

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

SEAL

6—151

Subdivision of T.42 S., R.9 W.

Survey commenced August 29,1909, and executed with a Young and Sons light mountain transit, No.7382, with solar attachment. The horizontal limb is provided with two double verniers placed opposite to each other, reading to single minutes of arc; which is also the least count of the latitude and declination arcs.

The instrument was examined, tested on the meridian at Salt Lake City, found correct, and was approved by the surveyor general for Utah, on July 3,1909.

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

At the cor. of secs.1,2,35, and 36, on S.bdy. of Tp., latitude 37°06'51"N., longitude 112°46'47"W., I set off 37°07'N., on the lat. arc; 9°21'N., on the decl. arc; and at 4 h 1 m p.m., l.m.t., I determine a meridian with the solar, and mark a point in the meridian thus determined, on a stone firmly set in the ground, 5.00 chs. N. of the cor.

At 9 h 1 m p.m., l.m.t., I observe Polaris at eastern elongation in accordance with the Manual, and mark a point in the line thus determined, on a wooden plug set in the ground, 5.00 chs. N. of the cor.

August 29,1909.

August 30,1909: At 6 h 30 m a.m., l.m.t., I lay off the azimuth of Polaris 1°28.6' to the west, and mark a point in the meridian thus determined by cutting a small groove in the stone already set 5.00 chs. N. of the cor.; this mark

Subdivision of T.42 S.,R.9 W.-Continued.

Chains	
	falls 0.38 ins.east of the meridian determined by the solar.
	At 7 h 1 m a.m.,l.m.t.,I set off 37°07'N.,on the lat. arc;9°09'N.,on the decl.arc;and mark the meridian determined by the solar,by a cross on the stone already set 5.00 chs. N.of the cor.;this mark falls 0.30 ins.east of the meridian determined by Polaris observation.
	The solar apparatus by p.m.and a.m.observations defines positions for meridians respectively about 0'19"west and 0'16"east of the meridian established by Polaris observation;therefore I conclude that the adjustments of the instrument are satisfactory.
	The magnetic bearing of the meridian at 7 h 30 m a.m., is N.15°58 'W.,the angle thus determined gives the mag.decl.15°58'E.
	—
	From the cor.of secs.1,2,35,and 36,on S.bdy.of Tp., heretofore described.
	Thence I run
	N.0°1'W.,bet.secs.35 and 36.
	Over nearly level land;though dense sage brush and scattering timber .
	Desc.gently.
7.10	Wash,30 lks.wide,10 ft.deep,course SW.
15.00	Begin ascent,bears N.60°E.and S.60°W.
20.00	Top of ridge,40 ft.above wash,bears NE and SW.
	Desc.
22.25	Bottom of hollow,30 ft.below ridge,course SW.
	Asc.
29.25	Top of ridge,50 ft above hollow,bears NE and SW.
	Desc.
35.25	Bottom of hollow,40 ft.below ridge,course SW.
	Asc.

Subdivision of T.42 S.,R.9 W.-Continued.

Chains	
40.00	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the., ground,for ¼ sec.cor.,mkd.on brass cap ¼ S 35 in W half and S 36 in E half;from which A cedar,8 ins.dia.,bears N.70°30'E.11 lks. dist..mkd.¼ S 36 B T. A pinon pine,10 ins.dia.,bears N.73°W.,116 lks.dist..mkd.¼ S 35 B T.
43.18	Foot of ledge,30 ft.high,bears NW and SE.
51.50	Foot of ledge,50 ft.high,bears NE and SW.
63.00	Bottom of hollow,200 ft.below ledge,course W.
	Asc.
67.00	Top of ridge,35 ft.above hollow,bears E.and W.
	Desc.
70.50	Bottom of hollow,50 ft.below ridge,course N.60°W.
	Asc.
73.00	Top of ridge,50 ft.above hollow,bears NW and E.
	Desc.
78.80	Bottom of hollow,80 ft.below ridge,course NW.
	Asc.
80.00	Set an iron post,3 ft.long,2 ins.in dia.,24 ins.in the ground,for cor.of secs.25,26,35,and 36,mkd.on brass cap T 42 S S 26 in NW. R 9 W S 25 in NE. S 36 in SE.;and S 35 in SW.quadrants;from which A cedar,10 ins.dia.,bears N.17° 50'E.,60 lks. dist..mkd.T 42 S R 9 W S 25 B T. A cedar,12 ins.dia.,bears S.68°50'E.,63 lks. dist..mkd.T 42 S R 9 W S 36 B T. A cedar,6 ins.dia.,bears S.62°W.,43 lks. dist..mkd.T 42 S R 9 W S 35 B T. A cedar,7 ins.dia.,bears N.48°W.,88 lks. dist..mkd.T 42 S R 9 W S 26 B T.

Subdivision of T.42 S.R.9 W. Continued.

Chains	
	Land,mountainous and nearly level.
	Soil,sandy loam;2nd rate.
	Timber,cedar and pinon pine.
	Undergrowth,sage brush.
	Good grass for grazing.
	Mountainous land,or land covered with dense undergrowth,
	80.00 chs.
	———
	N.89°58'E.,on a random line bet.secs.25 and 36.
40.00	Set temp. ¼ sec.cor.
80.14	Intersect E.bdy.of Tp.,at the cor.of secs.25,30,31,and 36,heretofore described.
	Thence I run
	S.89°58'W.,on a true line bet.secs.25 and 36.
	Over mountainous land;through dense undergrowth and scattering timber .
	Desc.
1.50	Bottom of canon,40 ft.below cor.,course N.
	Asc.
4.00	Foot of ledge,230 ft.high,bears N and S.
6.00	Top of ledge,400 ft.above canon,bears N.and S.
	Thence over mesa.
23.00	Edge of mesa,bears N.and S.
	Desc.over ledge.
25.00	Foot of ledge,200 ft.high,bears N.and S.
33.70	Bottom of hollow,500 ft.below mesa,course N.
	Asc.
38.60	Top of ridge,100 ft.above hollow,bears N.and S.
	Desc.
40.07	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor.,mkd.on brass cap ¼ S 25 in N half and S 36 in S half;from which

Subdivision of T.42 S.,R.9 W.-Continued.

Chains	
	A pinon pine,8 ins.dia.,bears N.29°15'W.,62 lks.dist..mkd.¼ S 25 B T.
	A cedar,20 ins.dia.,bears S.5°15'W.,20 lks. dist..mkd.¼ S 36 B T.
42.50	Bottom of hollow,100 ft.below ridge,course N.
	Asc.
53.00	Begin abrupt ascent over ledges,bears N.and S.
58.00	Top of ledge,600 ft.above hollow,bears N.and S.
	Thence over mesa.
67.00	Leave mesa,bears N.and S.
	Desc.abruptly over ledges.
69.40	Foot of sandstone ledge,250 ft.high,bears N.and S.
	Leave ledges.
80.14	The cor.of secs.25,26,35,and 36.
	Land,mountainous and rolling .
	Soil,sandy loam and rocky;2nd and 4th rate.
	Timber,cedar and pinon pine.
	Undergrowth,sage and oak brush and bitter brush.
	Good grass for grazing.
	Mountainous land or land covered with dense undergrowth, 80.14 chs.
	August 30,1909:At this cor.I set off9°03'N.,on the decl. arc;and at 0 h 1 m p.m.,l.m.t.,I observe the sun on the meridian,the resulting lat.is 37°08'N.,which is the proper lat.nearly.

	N.0°1'W.,bet.secs.25 and 26.
	Over mountainous land;through dense undergrowth and scattering timber .
	Asc.
2.50	Top of ridge,40 ft.above sec.cor.,bears E.and W.
	Desc.
7.50	Bottom of hollow,50 ft.below ridge,course W.

Subdivision of T.42 S.,R.9 W.-COntinued.

Chains	
	Asc.
9.80	Top of ridge,65 ft.above hollow,bears E.and W.
	Desc.
39.00	Bottom of hollow,30 ft.below ridge,course N.20°E.
	Asc.
40.00	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor..mkd.on brass cap ¼ S 26 in W half and S 25 in E half;from which
	A cedar,6 ins.dia.,bears N.66°30'E.,39 lks. dist..mkd.¼ S 25 B T.
	A cedar,7 ins.dia.,bears N.66°30'W.,55 lks. dist..mkd.¼ S 26 B T.
46.60	Top of ridge,50 ft.above hollow,bears NE and SW.
	Desc.
56.00	Bottom of hollow,20 ft.below ridge,course NE.
	Asc.
61.00	Same hollow,course NW.
	Desc.
62.70	Same hollow,course NE .
	Desc.
64.40	Same hollow,course NW.
	Asc.
71.00	Top of ridge,100 ft.above hollow,bears E.and W.
	Desc.
80.00	Set an iron post,3 ft.long,2 ins.in dia.,24 ins.in the ground,for cor.of secs.23, 24,25,and 26,mkd.on brass cap
	T 42 S 23 in NW.
	R 9 W S 24 in NE.
	S 25 in SE.;and
	S 26 ins SW.;quadrants;from which
	A cedar,18 ins.dia.,bears N.60°25'E.,113 lks. dist..mkd.T 42 S R 9 W S 24 B T.
	A cedar,14 ins.dia.,bears S.52°E.,146 lks. dist..mkd.T 42 S R 9 W S 25 B T.

Subdivision of T.42 S.,R.9 W.-Continued.

Chains	
	A cedar,12 ins.dia.,bears S.78°30'W.,297 lks. dist..mkd.T 42 S R 9 W S 26 B T.
	A cedar,10 ins.dia.,bears N.56°45'W.,243 lks. dist..mkd.T 42 S R 9 W S 23 B T.
	Land,mountainous .
	Soil,sandy loam;2nd rate.
	Timber,dedar and pinon pine.
	Undergrowth,sage brush .
	Good grass for grazing.
	Mountainous land,or land covered with dense undergrowth,
	80.00 chs.
	N.89°58'E.,on a random line bet.secs.24 and 25.
40.00	Set temp¼ sec.cor.
80.20	Intersect E.bdy.of Tp.,7 lks.N.of the cor.of secs.19,24,25, and 30,heretofore described.
	Thence I run
	N.89°59'W.,on a true line bet.secs.24 and 25..
	Over mountainous land;through dense undergrowth and scattering timber .
	Desc.
13.00	Bottom of hollow,50 ft.below sec.cor.,course N.10°W.
	Asc.
25.50	Top of ridge,100 ft.above hollow,bears N.and S. Desc.
37.60	Old road,bears N.10°E.and S.10°W.
40.10	Set an iron post,3 ft.long,1 in.india.,26 ins.in the ground,for ¼ sec.cor..mkd.on brass cap ¼ S 24 in N half and S 25 in S half;from which
	A cedar,6 ins.dia.,bears N.10°10'W.,171 lks. dist..mkd.¼ S 24 B T.
	A cedar,5 ins.dia.,bears S.14°10'W.,233 lks. dist..mkd.¼ S 25 B T.
47.20	Bottom of hollow,100 ft.below ridge,course N.40°W.

Subdivision of T.42 S.,R.9 W.-Continued.

Chains

Asc.

[illegible] Top of ridge,50 ft.above hollow,bears NW and S.

Desc.

79.00 Bottom of hollow,40 ft.below ridge,course N.

Asc.

80.20 The cor.of secs.23,24,25,and 26/

Land,mountainous .

Soil,sandy loam;2nd rate.

Timber,cedar and pinon pine.

Undergrowth,sage and oak brush.

Good grass for grazing.

Mountainous land,or land covered with dense undergrowth,

80.20 chs.

August 30,1909.

August 31,1909:At 7 h 0 m a.m.,l.m.t.,I set off 37°09'N., on the lat.arc;8°47'N.,on the decl.arc;and determine a meridian with the solar,at the cor.of secs.23,24,25,and 26.

Thence I run

N.0°1'W.,bet.secs.23 and 24.

Over mountainous land;through dense sage and bitter brush and scattering timber .

Desc.

1.25 Bottom of hollow,25 ft.below sec.cor.,course NW.

Asc.

15.00 Top of ridge,20 ft.above hollow,bears NW and SE.

Desc.

15.25 Enter heavy timber,bears NW and SE.

39.50 Bottom of hollow,40 ft.below ridge,course N.60°W.

Asc.

40.00 Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the

Subdivision of T.42 S.,R.9 W.-Continued.

Chains

ground,for ¼ sec.cor..mkd.on brass cap ¼ S 23 in W half and S 24 in E half;from which

A cedar,30 ins.dia.,bears S.28°E.,14 lks. dist..mkd.¼ S 24 B T.

A yellow pine,26 ins.dia.,bears N.18°20'W., 141 lks.dist..mkd.¼ S 23 B T.

57.50 Top of ridge,50 ft.above hollow,bears E.and W.

Desc.

63.00 Bottom of hollow,40 ft.below ridge,course W.

Asc.

77.50 Top of ridge,50 ft.above hollow,bears E.and W.

Desc.

80.00 Set an iron post,3 ft.long,2 ins.dia.,24 ins.in the ground,for cor.of secs.13,14,23,and 24,mkd.on brass cap

T 42 S S 14 in NW.

R 9 W S 13 in NE.

S 24 in SE.

and S 23 in SW.;quadrants;from which

A cedar,24 ins.dia.,bears N.75°10'E.,40 lks. dist.,mkd.T 42 S R 9 W S 13 B T.

A yellow pine,16 ins.dia. ,bears S.28°30'E.,32 lks.dist..mkd.T 42 S R 9 W S 24 B T.

A pinon pine,16 ins.dia.,bears S.31°W.,28 lks dist..mkd..T 42 S R 9 W S 23 B T.

A yellow pine,20 ins.dia.,bears N.21°25'W.,156 lks.dist..mkd.T 42 S R 9 W S 14 B T.

Land,mountainous.

Soil,sandy loam;2 nd rate.

Timber,cedar,pinon pine,and yellow pine.

Undergrowth,sage,oak,and bitter brush.

Good grass for grazing.

Mountainous or heavily timbered land,or land covered with dense undergrowth,80.00 chs.

Subdivision of T 42 S.,R.9 W.- Continued.

Chains	
	S.89°59'E.,on a random line bet.secs.13 and 24.
40.00	Set temp ¼ sec.cor.
80.10	Intersect E.bdy.of Tp.,7 lks.N.of the cor.of secs.13,18, 19,and 24,heretofore described.
	Thence I run
	N.89°56'W.,on a true line bet.secs.13 and 24.
	Over mountainous land;through dense sage brush and scattering timber.
	Desc.gently.
4.00	Bottom of hollow,20 ft.below sec.cor.,course N.
	Asc.
8.00	Top of ridge,20 ft.above hollow,bears N.and S.
	Desc.
40.05	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor.,mkd.on brass cap ¼ S 13 in N half and S 24 in S half;dig pits,18x18x12 ins.,E.and W.of post,3 ft.dist;and raise a mound of earth,3½ ft.base,1½ ft.high,N.of cor.
68.90	Bottom of hollow,20 ft.below ridge,course NE .
	Asc.
74.00	Top of ridge,30 ft.above hollow,bears N.and S.
	Desc.abruptly.
80.10	The cor.of secs.13,14,23,and 24.
	Land,mountainous .
	Soil,sandy loam;2nd rate.
	Timber,cedar and pinon pine.
	Undergrowth,sage brush.
	Good grass for grazing.
	Mountainous land,or land covered with dense undergrowth, 80.10 chs.
	August 31,1909:At the noon hour the sky is overcast and solar observations are impossible.

Subdivision of T.42 S.,R.9 W.-Continued.

Chains

N.0°1'W.,bet.secs.13 and 14.

Over mountainous land;through dense sage and oak brush. and scattering timber.

Ascend.

10.00 Top of ascent; thence over rolling mesa.

40;00 Set an iron post,3 ft.long,1 in.in dia.26 ins.in the ground,for ¼ sec.cor. mkd.on brass cap ¼ S 14 in W half and S 13 in E.half;from which

A cedar,6 ins.dia.,bears S.5°E.,359 lks. dist.,mkd.¼ S 13 B T.

A cedar,7 ins.dia.,bears N.70°40'W.,187 lks.dist..mkd.¼ S 14 B T.

45.00 Commence steeper descent into canon,over ledges,bears NW and SE.

51.00 Bottom of canon,140 ft.below ¼ sec.cor.,course N.5°W.

Thence along smooth sandstone slope .

Desc.

80.00 Set an iron post,3 ft.long,2 ins.in dia.,24 ins.in the ground,for cor.of secs.11,12,13,and 14,mkd.on brass cap

T 42 S S 11 in NW.

R 9 W S 12 in NE.

S 13 in SE.;and

S 14 in SW.quadrants;from which

A yellow pine,24 ins.dia.,bears S.77°W.,175 lks.dist..mkd.T 42 S R 9 W S 14 B T.

A yellow pine,36 ins.dia.,bears N.35°W.,195 lks.dist..mkd.T 42 S R 9 W S 11 B T.

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

Land,mountainous.

Soil,sandy loam and rocky;2nd and 4th rate.

Timber,cedar,pinon pine,and yellow pine.

Undergrowth,sage and oak brush.

Good grass for grazing.

Subdivision of T.42 S.R.9 W.-Continued.

Chains	
	Mountainous land, or land covered with dense undergrowth.
	80.00 chs.
	S.89°56'E., on a random line bet.secs.12 and 13.
40.00	Set temp.¼ sec.cor.
80.16	Intersect E.bdy.of Tp., 16 lks.S.of the cor.of secs.7,12,13, and 18.herefofore described.
	Thence I run
	S.89°57'W., on a true line bet.secs.12 and 13.
	Over mountainous land; through dense undergrowth and scattering timber.
	Desc.gently.
13.00	Edge of canon, begin steep descent, bears N.20°W.and S.20° E.
18.30	Bottom of canon, 150 ft.below sec.cor., course N.
	Asc.
40.08	Set an iron post, 3 ft.long, 1 in.in dia., 26 ins.in the ground, for ¼ sec.cor.mkd.on brass cap ¼ S 12 in N half and S 13 in S half; from which
	A cedar, 14 ins.dia., bears N.38°15'E., 86 lks. dist., mkd.¼ S 12 B T.
	A cedar, 16 ins.dia., bears S.18°15'W., 200 lks. dist.,mkd.¼ S 13 B T.
45.00	Top of ridge, 300 ft.above canon, bears N.and S.
	Desc.gradually.
74.00	Begin abrupt descent into canon, bears N.and S.
80.16	The cor.of secs.11,12,13,and 14.
	Land, mountainous.
	Soil, sandy loam; 2nd rate.
	Timber, cedar, pinon pine, and yellow pine.
	Undergrowth, sage and mountain rush brush.
	Good grass for grazing.

Subdivision of T.42 S.,R.9 W.-Continued.

Chains	
	Mountainous land,or land covered with dense undergrowth, 80.16 chs.
	August 31,1909.
	September 1,1909:At 7 h 30 m a.m.,l.m.t.,I set off 37°10' N.,on the lat.arc;8°25'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°1'W.,bet.secs.11 and 12.
	Over mountainous land;through scattering timber .
	Desc.along east side of canon over smooth sandstone sloping ledge.
26.00	Begin more gradualy descent,bears E.and W.
33.50	Creek,30 lks.wide,1 ft.deep,in bottom of East Fork of Virgin River canon,500 ft.below sec.cor.,course W.
	Asc.abruptly over ledges.
40.00	Set an iron post,3 ft.long,1 ins.in dia.,26 ins.in the ground,for ¼ sec.cor..mkd.on brass cap ¼ S 11 in W half and S 12 in E half;from which
	A cedar,14 ins.dia.,bears N.63°15'E.,78 lks. dist..mkd.¼ S 12 B T.
	A pinon pine,14 ins.dia.,bears S.30°45'W., 105 lks.dist..mkd.¼ S 11 B T.
75.00	Top of steep ascent,leave ledges,500 ft.above canon,bears E.and W.
	Asc.gradually.
80.00	Set an iron post,3 ft.long,2 ins.in dia.,24 ins.in the ground,for cor.of secs.1,2,11,and 12,mkd.on brass cap
	T 42 S S 2 in NW.
	R 9 W S 1 in NE.
	S 12 in SE.;and

Subdivision of T.42 S.,R.9 W.-Continued.

Chains	
	S 11 in SW.quadrants;from which
	A cedar,24 ins.dia.,bears N.51°E.,127 lks.
	dist..mkd.T 42 S R 9 W S 1 B T.
	A cedar,6 ins.dia.,bears S.22°40'E.,125 lks.
	dist..mkd.T 42 S R 9 W S 12 B T.
	A cedar,7 ins.dia.,bears S.46°30'W.,80 lks.
	dist..mkd.T 42 S R 9 W S 11 B T.
	A cedar,6 ins.dia.,bears N.41°45'W.,85 lks.
	dist..mkd.T 42 S R 9 W S 2 B T.
	Land,mountainous.
	Soil,sandy loam and rocky;2nd and 4th rate.
	Timber,cedar,pinon pine,and yellow pine.
	Undergrowth,oak.
	Good grass for grazing.
	Mountainous land,80.00 chs.
	N.89°57'E.,on a random line bet.secs.1 and 12.
40.00	Set temp.¼ sec.cor.
80.22	Intersect E.bdy.of Tp.,10 lks.N.of the cor.of secs.1,6,
	7,and 12.,heretofore described.
	Thence I run
	N.89°59'W.,on a true line bet.secs.1 and 12.
	Over mountainous land;through scattering timber.
	Desc.over ledges.
7.00	Creek,10 lks.wide,2 ins.deep,in bottom of Little Meadow
	Gulch,300 ft.below sec.cor.,course S.
	Asc.abruptly over ledges,
10.00	Leave ledges,bears N.and S.
	Begin more gradual ascent,bears N.and S.
21.40	Top of ridge,350 ft.above canon,bears N.and S.
	Desc.gradually.
40.11	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the

Subdivision of T.42 S.,R.9 W.-Continued.

Chains	
	ground,for ¼ sec.cor..mkd.on brass cap ¼ S 1 in N half and S 12 in S.half;from which
	A pinon pine,10 ins.dia.,bears N.66°E.,70 lks.dist..mkd.¼ S 1 B T.
	A cedar,14 ins.dia.,bears S.53°E.,49 lks. dist..mkd.¼ S 12 B T.
80.22	The cor.of secs.1,2,11,and 12.
	Land,mountainous.
	Soil,sandy loam and rocky;2nd and 4th rate.
	Timber,cedar,pinon pine and yellow pine.
	Undergrowth,sage brush.
	Good grass for grazing.
	Mountainous land,80.22 chs.
	September 1,1909:At this cor.I set off 8°20'N.,on the decl.arc;and at 12 h. M..,l.m.t.,I observe the sun on the meridian,the resulting lat.is 37°11'N.,which is the proper lat.nearly.

	N.0°1'W.,on a random line bet.secs.1 and 2.
40.00	Set temp¼ sec.cor.
76.60	Intersect N.bdy.of Tp.,12 lks.N.89°59'W.,of the cor.of sec.1,2,35,and 36,heretofore described .
	Thence I run
	S.0°4'W.,on a true line bet.secs.1 and 2.
	Over mountainous land;through dense undergrowth and scattering timber .
	Desc.
4.10	Top of ridge,30 ft.below sec.cor.,bears E and SW.
	Desc.
19.10	Bottom of hollow,40 ft.below ridge,course SW.
	Asc.
24.60	Top of ridge,90 ft.above hollow,bears N.80°E.and S.80°

Subdivision of T.42 S.,R.9 W.-Continued.

Chains	
	W.
	Desc.
31.00	Bottom of hollow,80 ft.below ridge,course SW.
	Asc.
36.60	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor..mkd.on brass cap ¼ S 2 in W half and S 1 in E half;from which
	A cedar,9 ins.dia.,bears S.51°E.,16 lks. dist..mkd.¼ S 1 B T.
	A pinon pine,11 ins.dia.,bears N.46°30'W.,76 lks.dist..mkd.¼ S 2 B T.
39.60	Top of ridge,200 ft.above hollow,bears NE and SW.
	Desc.gradually.
76.60	The cor.of secs.1,2,11,and 12.
	Land,mountainous .
	Soil,sandy loam;2nd rate.
	Timber,cedar and pinon pine.
	Undergrowth,sage brush.
	Good grass for grazing.
	Mountainous land,or land covered with dense undergrowth, 76.60 chs.

September 1,1909.

September 2,1909:At 7 h 30 m a.m.,l.m.t.,I set off 37° 07'N.,on the lat.arc;8°03'N.,on the decl.arc;and determine a meridian with the solar,at the cor.of secs.2,3,34,and 35. on S.bdy.of Tp.,heretofore described.

Thence I run

N.0°1'W.,bet.secs.34 and 35.

Over Mountainous land,and through dense undergrowth and scattering timber .

Desc.

Subdivision of T.42 S.,R.9 W.-Continued.

Chains

40.00 Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor..mkd.on brass cap ¼ S 34 in W half and S 35 in E half;from which

A cedar,8 ins.dia.,bears N.73°E.,103 lks. dist..mkd.¼ S 35 B T.

A cedar,6 ins.dia.,bears N.49°40'W.,221 lks. dist..mkd.¼ S 34 B T.

40.90 Bottom of hollow,head of Rock Canon,100 ft.below sec.cor. course NW.

Asc.

51.00 Top of ridge,60 ft.above hollow,bears N.80°E.and S.80°W.

Desc.

80.00 Set an iron post,3 ft.long,2 ins.dia.,24 ins.in the ground,for cor.of secs.26,27,34,and 35,mkd.on brass cap

T 42 S S 27 in NW.

R 9 W S 26 in NE.

S 35 in SE.;and

S 34 in SW.quadrants;from which

A cedar,8 ins.dia.,bears N.53°30'E.,194 lks. dist..mkd.T 42 S R 9 W S 26 B T

A cedar,4 ins.dia.,bears S.57°30'E.,119 lks. dist..mkd.T 42 S R 9 W S 35 B T.

A cedar,7 ins.dia.,bears S.22°30'W.,154 lks. dist..mkd.T 42 S R 9 W S 34 B T.

A cedar,6 ins.dia.,bears N.78°15'W.,115 lks. dist..mkd.T 42 S R 9 W S 27 B T.

Land,mountainous .

Soil,sandy loam;2nd rate.

Timber,cedar and pinon pine.

Undergrowth,sage brush.

Good grass for grazing.

Mountainous land,or land covered with dense undergrowth, 80.00 chs.

Subdivision of T.42 S.,R.9 W.-Continued.

Chains	
	N.89°58'E.,on a random line bet.secs.26 and 35.
40.00	Set temp. ¼ sec.cor.
79.96	Intersect N.and S.line,19 lks.N.of the cor.of secs.25,26, 35,and 36.
	Thence I run
	N.89°54'W.,on a true line bet.secs.26 and 35.
	Over mountainous land;through dense sage and oak brush. and scattering timber .
	Desc.
.96	Bottom of hollow,30 ft.below sec.cor.,course NW.
	Asc.
5.00	Top of ridge,30 ft.above hollow,bears NW and SE.
	Desc.
25.00	Leave timber,bears N.and S.
39.98	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor..mkd.on brass cap ¼ S 26 in N half and S 35 in S half;dig pits,18x18x12 ins.E.and W.of post, 3 ft.dist.;and raise a mound of earth,3½ ft.base,1½ ft high,N.of cor.
55.00	Bottom of swale,50 ft.below ridge,course N.
	Asc.
71.90	Enter scattering timber,bears N.and S.
72.36	Top of ridge,30 ft.above hollow,bears N.and S.
	Desc.
79.96	The cor.of secs.26,27,34,and 35.
	Land,mountainous .
	Soil,sandy loam;2nd rate.
	Timber,cedar and pinon pine.
	Undergrowth ,sage brush.
	Good grass for grazing.
	Mountainous land,or land covered with dense undergrowth, 79.96 chs.
	September 2,1909:At this cor.I set off 7°58'N.,on the decl. arc;and at 12 h. M.,l.m.t.,I observe the sun on the

Subdivision of T.42 S., R.9 W.-Continued.

Chains.

meridian, the resulting lat. is 37°08'N., which is the proper lat. nearly.

N.0°1'W., bet. secs. 26 and 27.

Over mountainous land; through dense undergrowth and scattering timber .

Asc.

3.00 Top of ridge, 20 ft. above sec. cor., bears E. and W.

Desc. gradually.

33.50 Bottom of hollow, 40 ft. below ridge, course W.

Asc.

40.00 Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground, for ¼ sec. cor.. mkd. on brass cap ¼ S 27 in W half and S 26 in E half; from which

A cedar, 18 ins. dia., bears N.85°E., 31 lks. dist.. mkd. ¼ S 26 B T.

A pinon pine, 18 ins. dia., bears N.31°W., 95 lks. dist.. mkd. ¼ S 27 B T.

41.00 Top of ridge, 40 ft. above hollow, bears E. and W.

Desc.

43.00 Begin steeper descent into Rock canon, bears N.20°E. and S.70°W., over ledges.

80.00 Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor. of secs. 22, 23, 26, and 27, mkd. on brass cap

T 42 S S 22 in NW.

R 9 W S 23 in NE.

S 26 in SE.; and

S 27 in SW. quadrants; from which

A yellow pine, 20 ins. dia., bears N.59°30'E., 92 lks. dist.. mkd. T 42 S R 9 W S 23 B T.

A yellow pine, 15 ins. dia., bears S.65°10'E., 10[illegible] lks. dist.. mkd. T 42 S R 9 W S 26 B T.

Subdivision of T.42 S.R.9 W. Continued.

Chains	
	A yellow pine,16 ins.dia.,bears S.9°20'W.,193 lks.dist..mkd.T 42 S R 9 W S 27 B T.
	A yellow pine,18 ins.dia.,bears N.44°20'W.,52 lks.dist..mkd.T 42 S R 9 W S 22 B T.
	Land,mountainous .
	Soil,sandy loam;2nd rate.
	Timber,cedar and pinon pine.
	Undergrowth,sage brush.
	Good grass for grazing.
	Mountainous land,or land covered with dense undergrowth,
	80.00 chs.
	S.89°54'E.,on a random line bet.secs.23 and 26.
40.00	Set temp¼ sec.cor.
80.08	Intersect N.and S.line,10 lks.S.of the cor.of secs. 23,24,25,and 26.
	Thence I run
	N.89°58'W.,on a true line bet.secs.23 and 26.
	Over mountainous land;through dense undergrowth and scattering timber .
	Desc.
9.50	Bottom of hollow,30 ft.below sec.cor.,course N.
	Asc.
19.00	Top of ridge,30 ft.above hollow,bears N.and S.
	Desc.
40.04	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor..mkd.on brass cap ¼ S 23 in N half and S 26 in S half.;from which
	A cedar,12 ins.dia.,bears N.40°30'W.,39 lks. dist..mkd.¼ S 23 B T.
	A cedar,14 ins.dia.,bears S.20°E.,186 lks. dist..mkd.¼ S 26 B T.
48.00	Bottom of hollow,40 ft.below ridge,course N.

Subdivision of T.42 S.,R.9 W.-Continued.

Chains	
	Asc.
61.00	Top of ridge,40 ft.above hollow,bears N.and S.
	Desc.
71.70	Begin steep descent,bears N.and S.,over ledges.
80.08	The cor.of secs.22,23,26,and 27.
	Land,mountainous .
	Soil,sandy loam;2nd rate.
	Timber,cedar and pinon pine.
	Undergrowth,sage brush.
	Good grass for grazing.
	Mountainous land,or land covered with dense undergrowth, 80.08 chs.

September 2,1909.

September 3 ,1909:At 7 h 29'm.a.m.,l.m.t,,I set off 37° 09'N.,on the lat.arc;7°41'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°1'W.,bet.secs.22 and 23.

Over mountainous land;through scattering timber and scattering undergrowth..

	Desc.
.80	Bottom of Rock Canon,20 ft.below sec.cor.,course N.10°E.
	Asc.over smooth sandstone slope.
16.00	Top of ridge,150 ft.above canon,bears E.and W.
	Desc.
22.50	Bottom of hollow,80 ft.below ridge,course NE.
	Asc.
40.00	Top of ridge,40 ft.above hollow,bears E.and W.
	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor..mkd.pn brass cap ¼ S 22 in W half

Subdivision of T.42 S.,R.9 W.-Continued.

Chains	
	and S 23 in E half;from which
	A pinon pine,24 ins.dia.,bears N.21°E.,108 lks.dist..mkd.¼ S 23 B T.
	A pinon pine,6 ins.dia.,bears N.83°45'W.,64 l lks.dist..mkd.¼ S 22 B T.
65.00	Bottom of Rock Canon,100 ft.below ridge,course N.20°W.
	Asc.
67.00	Top of spur,20 ft.above canon,bears E.and W.
	Desc.
73.00	Bottom of Rock Canon,25 ft.below spur,course N.10°E.
	Asc.
80.00	Set an iron post,3 ft.long,2 ins.in dia.,12 ins.in the ground,in mound of stone,for cor.of secs.14,15,22,and 23, mkd.on brass cap
	T 42 S S 15 in NW.
	R 9 W S 14 in NE.
	S 23 in SE.;and
	S 22 in SW.quadrants;from which
	A yellow pine,24 ins.dia.,bears N.59°45'E.,71 lks.dist..mkd.T 42 S R 9 W S 14 B T.
	A yellow pine,16 ins.dia.,bears S.45°50°E.,65 lks.dist..mkd.T 42 S R 9 W S 23 B T.
	A yellow pine,14 ins.dia.,bears S.55°W.,57 l lks.dist..mkd.T 42 S R 9 W S 2 2 B T.
	A cedar ,4 ins.dia.,bears N.46°05'W.,100 lks. dist..mkd.T 42 S R 9 W S 15 B T.
	Land,mountainous.
	Soil,sandy loam;and rocky;2nd and 4th rate.
	Timber,cedar,pinon pine,and yellow pine.
	Undergrowth,sage and oak brush.
	Good grass for grazing.
	Mountainous land,80.00 chs.
	Impossible to set sec.cor.post 24 ins.in the ground.

Subdivision of T.42 S.,R.9 W.-Continued.

Chains	
	S.89°58'E.,on a random line bet.secs.14 and 23.
40.00	Set temp.¼ sec.cor.
80.16	Intersect N.and S.line,5 lks.S.of the cor.of secs.13,14, 23,and 24.
	Thence I run
	West,on a true line bet.secs.14 and 23.
	Over mountainous land;through dense undergrowth and scattering timber .
	Desc.
6.75	Bottom of canon,100 ft.below cor.,course N.10°E.
	Asc.
18.00	Top of ridge,300 ft.above canon,bears N.and S.
	Desc.
25.00	Bottom of hollow,40 ft.below ridge,course NE .
	Asc.
40.08	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor..mkd.on brass cap ¼ S 14 in N half and S 23 in S half;from which
	A cedar,6 ins.dia.,bears N.20°E.,47 lks. dist.,mkd.¼ S 14 B T.
	A cedar,12 ins.dia.,bears S.30°45'W.,49 lks. dist..mkd.¼ S 23 B T.
55.00	Top of ridge,40 ft.above hollow,bears N.and S.
	Desc.
64.00	Bottom of hollow,30 ft.below ridge,course N.
	Asc.
68.00	Top of ridge,30 ft.above hollow,bears N.and S.
	Desc.
69.00	Begin abrupt descent,bears N.and S. Over ledges.
79.10	Bottom of Rock Canon,300 ft.below ridge,course N.20°E.
	Asc.
80.16	The cor.of secs.14,15,22,and 23.
	Land,mountainous.
	Soil,sandy loam;2nd rate.

Subdivision of T.42 S.,R.9 W.-Continued.

Chains

Timber,cedar and pinon pine,and yellow pine.

Undergrowth,sage brush.

Good grass for grazing.

Mountainous land,or land covered with dense undergrowth,

80.16 chs.

September 3;1909:At this cor.I set off 7°36'N.,on the decl. arc;and at 11 h 59 m p.m.,l.m.t.,I observe the sun on the meridian.the resulting lat.is 37°09'N.,which is the proper lat.nearly.

N.0°1'W.,bet.secs.14 and 15.

Over mountainous land;through scattering sage brush, and scattering timber .

Asc.over smooth sandstone slope.

6.20 Top of ridge,30 ft.above sec.cor.,bears E.and W.

Desc.

30.00 Bottom of hollow,100 ft.below ridge,course E.

Asc.

37.00 Top of ridge,80 ft.above hollow,bears E.and W.

Desc.

40.00 Set an iron post,3 ft.long,1 in.in.dia.,26 ins.in the ground,for ¼ sec.cor..mkd.on brass cap ¼ S 15 in W half and S 14 in E hlaf;from which

A cedar,7 ins.dia.,bears N.81°45'E.,49 lks. dist.mkd.¼ S 14 B T.

A cedar,8 ins.dia.,bears N.56°W.,94 lks. dist..mkd.¼ S 15 B T.

Desc.gently over smooth slope.

80.00 Set an iron post,3 ft.lonf,2 ins.in dia.,24 ins.in the ground,for cor.of secs.10,11,14,and 15,mkd.on brass cap

T 42 S S 10 in NW.

R 9 W S 11 in NE.

Subdivision of T.42 S.,R.9 W.-Continued.

Chains	
	S 14 in SE.;and
	S 15 in SW.quadrants;from which
	A cedar,5 ins.dia.,bears N.26°00'E.123 lks.
	dist.mkd.T 42 S R 9 W S 11 B T.
	A cedar,8 ins.dia.,bears S.26°30'E.,50 lks.
	dist..mkd.T 42 S R 9 W S 14 B T.
	A cedar,8 ins.dia.,bears S.20°45'W.,30 lks.
	dist..mkd.T 42 S R 9 W S 15 B T.
	A cedar,10 ins.dia.,bears N.80°40'W.,65 lks.
	dist..mkd.T 42 S R 9 W S 10 B T.
	Land,mountainous .
	Soil,sandy loam;2nd rate.
	Timber,cedar,pinon pine,and yellow pine.
	Undergrowth,sage brush.
	Good grass for grazing.
	Mountainous land,80.00 chs.[illegible]
	[illegible]
	Eqst,on a random line bet.secs.11 and 14.
40.00	Set temp.¼ sec.cor.
80.12	Intersect N.and S.line,5 lks.N.of the cor.of secs.11,12, 13,and 14.
	Thence I run
	N.89°58'W.,on a true line bet.secs.11 and 14.
	Over mountainous land;through scattering timber and scattering undergrowth.
	Desc.over smooth sandstone slope.
2.80	Bottom of canon,40 ft.below sec.cor.,course N.
	Asc.
10.50	Top of sharp ridge,140 ft.above hollow,bears N.and S.
	Desc.
11.00	Narrow gorge in solid stone,30 ft.deep,course N.
	Asc.abruptly.

Subdivision of T.42 S. R.9 W.-Continued.

Chains	
13.80	Top of steep ascent, bears N. and S.
20.00	Top of ridge, 250 ft. above canon, bears N. and S.
	Desc. gently.
36.00	Begin abrupt descent, over ledges, bears N. and S.
40.06	Point for cor. falls on sloping sandstone ledge where it will be impossible to set the iron post; therefore I mark a cross at the exact cor. point for ¼ sec. cor., on ledge and return to
39.92	Set an iron post, 3 ft. long, 1 in. in dia., 12 ins. in the ground, in mound of stone, for witness cor. to ¼ sec. cor., mkd. on brass cap W C ¼ S 11 in N half and S 14 in S half; from which
	A yellow pine, 8 ins. dia., bears N. 65° E., 75 lks. dist., mkd. W C ¼ S 11 B T.
	A yellow pine, 12 ins. dia., bears S. 19° W., 69 lks. dist., mkd. W C ¼ S 14 B T.
	Impossible to set post 26 ins. in the ground.
40.06	Cross on ledge.
45.00	Deep Gulch in solid sandstone, 400 ft. below ridge, course N.
	Asc.
48.00	Top of spur, 100 ft. above gulch, bears N and S.
	Desc. over sloping ledges.
54.00	Bottom of Rock canon, 150 ft. below spur, course N. 20° E.
	Asc. abruptly over sloping ledges.
68.00	Top of steep ascent, leave ledges, bears N. 20° E. and S.
	Asc. gently.
80.12	The cor. of secs. 10, 11, 14, and 15.
	Land, mountainous.
	Soil, sandy loam and rocky; 2nd and 4th rate.
	Timber, cedar, pinon pine, and yellow pine.
	Undergrowth, sage brush.
	Good grass for grazing.
	Mountainous land, 80.12 chs.

Subdivision of T.42 S.,R.9 W.-Continued.

Chains	
	September 3,1909.
	September 4,1909:At 7 h 29 m a.m.,l.m.t.,I set off 37°10' N.,on the lat.arc;7°19'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°1'W.,bet.secs.10 and 11.
	Over mountainous land;through scattering timber and dense sage brush.
	Desc.gently.
15.00	Edge of East Fork of Virgin Canon,bears N.80°E.and N.60° W.
	Desc.abruptly over sloping smooth sandstone ledges.
33.00	Creek,30 lks.wide,1 ft.deep,in bottom of East Fork of Virgin River,700 ft.below edge of canon,l.course S.60°W.at this point,general course West.
	Asc.abruptly over a series of sandstone ledges.
40.00	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor..mkd.on brass cap ¼ S 10 in W. half and S 11 in E half;from which
	A yellow pine,8 ins.dia.,bears S.26°50'E.,163 lks.dist..mkd.¼ S 11 B T.
	A yellow pine,16 ins.dia.,bears S.4°15'W.,304 lks.dist..mkd.¼ S 10 B T.
75.00	Top of abrupt ascent,leave ledges,bears E.and W.
	Asc.gradually.
80.00	Set an iron post,3 ft.long,2 ins.in dia.,24 ins.in the ground,for cor.of secs.2,3,10,and 11,mkd.on brass cap
	T 42 S S 3 in NW.
	R 9 W S 2 in NE.
	S 11 in SE.;and
	S 10 in SW.quadrants;from which

Subdivision of T.42 S.,R.9 W.-Continued.

Chains	
	A cedar,14 ins.dia.,bears N.26°30'E.,164 lks.
	dist..mkd.T 42 S R 9 W S 2 B T.
	A cedar,6 ins.dia.,bears S.59°E.,115 lks.
	dist..mkd.T 42 S R 9 W S 11 B T.
	A cedar,20 ins.dia.,bears S.83°W.,21 lks.
	dist..mkd.T 42 S R 9 W S 10 B T.
	A cedar, 6 ins.dia.,bears N.9°30'W.,1134lks.
	dist..mkd.T 42 S R 9 W S 3 B T.
	Land,mountainous .
	Soil,sandy loam and rocky;2nd and 4th rate.
	Timber,cedar,pinon pine,and yellow pine.
	Undergrowth,sage brush.
	Good grass for grazing.
	Mountainous land,or land covered with dense undergrowth,
	80.00 chs.
	S.89°58'E.,on a random line bet.,sec.2 and 11.
40.00	Set temp.¼ sec.cor.
80.06	Intersect N.and S.line,5 lks.S.of the cor.of secs.
	1,2,11,and 12.
	Thence I run
	West,on a true line bet.secs.2 and 11.
	Over mountainous land;through dense undergrowth and
	scattering timber,
Desc.	Desc.
2.30	Begin abrupt descent,bears N.and S. Over ledges.
13.00	Bottom of canon,600 ft.below sec.cor.,course S.
	Asc.abruptly over ledges.
20.00	Top of abrupt ascent,bears N.and S.
	Leave ledges,bears N.and S.
	Thence asc.gently over rolling mesa.
40.03	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the

Subdivision of T 42 S.,R.9 W.-Continued.

Chains	
	ground,for ¼ sec.cor.,mkd.on brass cap ¼ S 2 in N half and S 11 in S half;from which
	A pinon pine,10 ins.dia.,bears N.53°E.,10 lks.dist..mkd.¼ S 2 B T.
	A pinon pine,8 ins.dia.,bears S.6°30'W.,47 lks. dist..mkd.¼ S 11 B T.
41.50	Top of ridge,on mesa,bears N.and S.100 ft.above general level of the mesa.
	Desc.gradually.
50.00	Leave mesa,bears N.and S.
	Desc.abruptly over ledges.
57.00	Bottom of canon,600 ft.below mesa,course S.
	Asc.abruptly over ledges.
65.00	Top of abrupt ascent,600 ft.above canon,bears N.and S.
	Leave ledges,bears N.and S.
	Thence over rolling mesa.
80.06	The cor.of secs.2,3,10,and 11.
	Land,mountainous and rolling mesa.
	Soil,sandy loam and rocky;2nd and 4th rate.
	Timber,cedar,pinon pine,and yellow pine.
	Undergrowth,sage and oak brush.
	Good grass for grazing.
	Mountainous land,or land covered with dense undergrowth, 80.06 chs.
	September 4,1909:At this cor.I set off 7°14'N.,on the decl. arc;and at 11 h 59 m a.m.,l.m.t.,I observe the sun on the meridian,the resulting lat.is 37°11'N.,which is the proper lat.nearly.

	N.0°1'W.,on a random line bet.secs.2 and 3.
40.00	Set temp.¼ sec.cor.
76.71	Intersect N.bdy.of Tp.,37 lks.W.of the cor.of secs.2,3, 34,and 35. heretofore described.

Subdivision of T.42 S.,R.9 W.-Continued.

Chains

Thence I run

S.0°15'W.,on a true line bet.secs.2 and 3.

Over mountainous land;through dense sage brush;and scattering timber.

Asc.along west side of steep hollow.

12.65 Top of steep ascent,300 ft.above sec.cor.,bears E.and W.

Thence ascend gently over rolling mesa.

36.71 Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor..,mkd.on brass cap ¼ S 3 in W half and S 2 in E half;from which

A cedar,6 ins.dia.,bears S.44°E.,75 lks. dist..mkd.¼ S 2 B T.

A cedar,9 ins.dia.,bears S.11°25'W.,195 lks. dist..mkd.¼ S 3 B T.

56.70 Top of ridge,on mesa,100 ft.above general level of mesa, bears E.and W.

Desc.gently.

76.71 The cor.of secs.2,3,10,and 11.

Land,mountainous and rolling mesa.

Timber,cedar and pinon pine.

Undergrowth,sage brush

Good grass for grazing.

Mountainous land,or land covered with dense undergrowth, 76.71 chs.

September 4,1909.

September 5,1909:At 7 h 29 m a.m.,l.m t.,I set off 37°07' N.,on the lat.arc;6°57'N.,on the decl.arc;and determine a meridian with the solar ,at the cor.of secs.3,4,33,and 34,on S.bdy.of Tp.,heretofore described.

Thence I run

N.0°2'W.,bet.secs.33 and 34.

Over rolling mountainous land;through dense undergrowth

Subdivision of T. 42 S.,R.9 W.-Continued.

Chains	
	and scattering timber .
	Asc.gradually along west slope of ridge.
40.00	Set an iron post,3 ft.long,1 in.in.dia.,26 ins.in the ground,for ¼ sec.cor..mkd.on brass cap ¼ S 33 in W half and S 34 in E half;from which
	A cedar,30 ins.dia.,bears N.71°E.,72 lks. dist..mkd.¼ S 34 B T.
	A cedar,20 ins.dia.,bears S.3°W.,139 lks. dist..mkd.¼ S 33 B T.
80.00	Set an iron post,3 ft.long,2 ins.dia.,24 ins.in the ground,for cor.of secs.27,28,33,and 34,mkd.on brass cap
	T 42 S S 28 in NW.
	R 9 W S 27 in NE.
	S 34 in SE.;and
	S 33 in SW.quadrants;from which
	A cedar,6 ins.dia.,bears N.51°45'E.,45 lks. dist..mkd.T 42 S R 9 W S 27 B T.
	A cedar,24 ins.dia.,bears S.81°30'E.,96 lks. dist..mkd.T 42 S R 9 W S 34 B T.
	A cedar 22 ins.dia.,bears S.6°30'W.,214 lks. dist..mkd.T 42 S R 9 W S 33 B T.
	A cedar,10 ins.dia.,bears N.33° 45'W.,79 lks. dist..mkd.T 42 S R 9 W S 28 B T.
	Land,rolling mountains.
	Soil,sandy loam;2nd rate.
	Timber,cedar and pinon pine.
	Undergrowth,oak and sage brush and mountainorush.
	Good grass for grazing.
	Mountainous land,or land covered with dense undergrowth.
	80.00 chs.

	N.89°58'E.,on a random line bet.secs.27 and 34.
40.00	Set temp.¼ sec.cor.

Subdivision of T.42 S.,R.9 W.-Continued.

Chains	
80.10	Intersect N.and S.line,16 lks.N.,of the cor.of secs.26, 27,34,and 35.
	Thence I run
	N.89°55'W.,on a true line bet.secs.27 and 34.
	Over mountainous land;through dense undergrowth and scattering timber .
	Desc.
13.00	Bottom of swale,50 ft.below sec.cor.,course N.
	Asc.
14.00	Top of ridge,20 ft.above swale,bears N.and S.
	Desc.
26.00	Begin steep descent,bears N.and S.
37.60	Bottom of Rock Canon,400 ft.below ridge,course N.
	Asc.
40.05	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor..mkd.on brass cap ¼ S 27 in N half and S 34 in S half;from which
	A yellow pine,30 ins.dia.,bears N.60°E.,58 lks. dist..mkd.¼ S 27 B T.
	A yellow pine,24 ins.dia.,bears S.80°15'E.,62 lks.dist..mkd.¼ S 34 B T.
54.00	Top of abrupt ascent,bears N.and S.
	Asc.gently.
57.50	Top of ridge,400 ft.above canon,bears N.and S.
	Desc.
59.75	Bottom of hollow,25 ft.below ridge,course SE.
	Asc.
76.00	Top of ridge,60 ft.above hollow,bears N.and S.
	Desc.
80.10	The cor.of secs.27,28,33,and 34.
	Land,mountainous .
	Soil,sandy loam;2nd rate.
	Timber,cedar,pinon pine,and yellow pine.
	Undergrowth,oak and sage brush.

Subdivision of T.42 S.,R.9 W.-Continued.

Chains	
	Good grass for grazing.
	Mountainous land,or land covered with dense undergrowth, 80.10 chs.
	September 5,1909:At this cor.I set off 6°52'N.,on the decl.arc;and at 0h 59 m a.m.,l.m.t.,I observe the sun on the meridian,the resulting lat.is 57°08'N.,which is the proper lat.nearly.
	———
	N.0°2'W.,bet.secs.27 and 28.
	Over rolling mountainous land;through dense sage brush. and scattering timber .
	Asc.
15.00	Enter heavy timber bears E.and W.
40.00	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor..mtl.on brass cap ¼ S 26 in W half and S 27 in E half;from which
	A cedar,[illegible] ins.dia.,bears S.56°15'E.,127 lks. dist..mkd.¼ S 27 B T.
	A cedar,8 ins.dia.,bears S.32°30'W.,40 lks. dist..mkd.¼ S 26 B T.
59.00	Top of ridge,50 ft.above sec.cor.,bears E.and W.
	Desc.
65.50	Bottom of hollow,100 ft.below ridge,course NE.
	Asc.
67.50	Top of ridge,40 ft.above hollow,bears NE and SW.
	Desc.
70.00	Bottom of hollow,25 ft.below ridge,course E.
	Asc.
75.00	Top of ridge,20 ft.above hollow,bears E.and W.
	Desc.
78.00	Bottom of hollow,30 ft.below ridge,course E.
	Asc.
80.00	Set an iron post,3 ft.long,2 ins.in dia.,24 ins.in the

Subdivision of T.42 S.,R.9 W.-Continued.

Chains

ground,for cor.of secs.21, 22,27,and 28,mkd.on brass cap

T 42 S S 21 in NW.

R 9 W S 22 in NE.

S 27 in SE.;and

S28 in SW.quadrants;from which

A cedar,16 ins.dia.,bears N.68°15'E. 132 lks.

dist..mkd.T 42 S R 9 W S 22 B T.

A cedar,18 ins.dia.,bears S.50°30'E.,15 lks.

dist..mkd.T 42 S R 9 W S 27 B T.

A cedar,12 ins.dia.,bears S.88°W.,65 lks.

dist..mkd.T 42 S R 9 W Sm28 B T.

A cedar,4 ins.dia.,bears N.54°45'W.,89 lks.

dist..mkd.T 42 S R 9 W S 21 B T.

Land,mountainous .

Soil,sandy loam;2nd rate.

Timber,cedar and pinon pine.

Undergrowth,sage brush.

Good grass for grazing.

Mountainous or heavily timbered land,or land covered with dense undergrowth,80.00 chs.

S.89°55'E.,on a random line bet.secs.22 and 27

40.00 Set temp.¼ sec.cor.

80.14 Intersect N.and S.line,16 lks.S.of the cor.of secs.22, 23,26,and 27.

Thence I run

S.89°58'W.,on a true line bet.secs.22 and 27.

Over mountainous land;through dense undergrowth and scattering timber .

Desc.

.20 Bottom of Rock Canon,10 ft.below sec.cor.,course N.20°E.

Asc. over smooth sandstone slope.

Subdivision of T.42 S.,R.9 W.-Continued.

Chains	
10.00	Top of steep ascent,150 ft.above canon,bears N.and S.
	Asc.gradually.
19.00	Top of ridge,200 ft.above canon,bears N.and S.
	Desc.
31.00	Bottom of hollow,20 ft.below ridge.course NE.
	Asc.
40.07	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor..mkd.on brass cap ¼ S 22 in N half and S 27 in S half;from which
	A cedar,6 ins.dia.,bears N.18°30'W.,17 lks. dist..mkd.¼ S 22 B T.
	A cedar,8 ins.dia.,bears S.39°W.,82 lks. dist..mkd.¼ S 27 B T.
45.00	Top of ridge,30 ft.above hollow,bears N.and S.
	Desc.
51.00	Bottom of hollow,30 ft.below ridge,course NE.
	Asc.
66.00	Top of spur,30 ft.above hollow,bears NE.and SW.
	Desc.
69.50	Bottom of hollow,40 ft.below ridge.course N.30°E.
	Asc.
74.00	Top of ridge,40 ft.above hollow,bears N.and S.
	Desc.
77.10	Bottom of hollow,20 ft.below ridge,course NE.
	Asc.
80.14	The cor.of secs.21,22,and 27,and 28.
	Land,mountainous .
	Soil,sandy loam;2nd rate.
	Timber,cedar and pinon pine.
	Undergrowth,sage and oak brush.
	Good grass for grazing.
	Mountainous land,or land covered with dense undergrowth, 80.14 chs.

September 5,1909.

Subdivision of T.42 S.,R.9 W.-Continued.

Chains	
	September 6,1909:At 7 h 28 m a.m.,l.m.t.,I set off 37°09' N.,on the lat.arc;6°35'N.,on the decl.arc;and determine a meridian with the solar,at the cor.of secs.21,22,27,and 28.
	Thence I run
	N.0°2'W.,bet.secs.21 and 22.
	Over mountainous land;through heavy timber and scattering undergrowth.
	Asc.
8.00	Top of ridge,80 ft.above sec.cor.,bears NE and SW.
	Desc.gradually.
40.00	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor..mkd.on brass cap ¼ S 21 in W half and S.22 in E half;from which
	A cedar,5 ins.dia.,bears S.75°E.,15 lks. dist..mkd.¼ S 22 B T.
	A cedar,5 ins.dia.,bears N.81°W.,58 lks. dist..mkd.¼ S 21 B T.
68.90	Bottom of hollow,30 ft.below ¼ sec.cor.,course NE .
	Asc..
80.00	Set an iron post,3 ft.long,2 ins.dia.,24 ins.in the ground,for cor.of secs.15,16,21,and 22,mkd.on brass cap
	T 42 S S 16 in NW.
	R 9 W S 15 in NE.
	S 22 in SE.;and
	S 21 in SW.quadrants;from which
	A cedar,5 ins.dia.,bears N.56°E.,224 lks. dist..mkd.T 42 S R 9 W S 15 B T.
	A cedar,5 ins.dia.,bears S.50°20'E.,219 lks. dist..mkd.T 42 SR 9 W S 22 B T.
	A cedar,5 ins.dia.,bears S.88°30'W.,108 lks. dist..mkd.T 42 S R 9 W S 21 B T.

Subdivision of 7.42 S.,3.9 W.-Continued.

Chains	
	A cedar,4 ins.dia.,bears N.15°40'E.,125 lks.
	dist..mkd.7 42 S 3 9 W S 16 B T.
	Land,mountainous .
	Soil,sandy loam;2nd rate.
	Timber,cedar,sand pinon pine.
	Undergrowth,sage brush
	Good grass for grazing.
	Mountainous or heavily timbered land,80.00 chs.
	N.89°50'E.,on a random line bet.secs.15 and 22.
40.00	Set temp.¼ sec.cor.
80.12	Intersect N.and S.line,5 lks.S.of the cor.of secs. 14,15,22,and 23.
	Thence I run
	S.89°56'W.,on a true line bet.secs.15 and 22.
	Over rolling mountainous land;through dense undergrowth and scattering timber .
	Asc.abruptly.
11.10	Begin more gradual ascent,bears N.and S.
40.06	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor..mkd.on brass cap ¼ S 15 in N half and S 22 in S half;from which
	A cedar,14 ins.dia.,bears N.45°25'W.,157 lks.
	dist..mkd.¼ S 15 B T.
	A cedar,8 ins.dia.,bears S.25°40'E.,141 lks.
	dist..mkd.¼ S 22 B T.
50.10	Top of ridge,30 ft.above ¼ sec.cor.,bears N.and S.
	Desc.
59.00	Bottom of hollow,30 ft.below ridge,bears N.10°E.
	Asc.
60.12	The cor.of secs.15,16,21,and 22.
	Land,mountainous .
	Soil,sandy loam;2nd rate.

Subdivision of T.42 S.,R.9 W.-Continued.

Chains	
	Timber,cedar and pinon pine.
	Undergrowth,sage and bitter brush
	Good grass for grazing.
	Mountainous land,or land covered with dense undergrowth,
	80.12 chs.
	September 6,1909:At the noon hour the sky is overcast and solar observstions are impossible.
	———
	N.0°2'W.,bet.secs.15 and 16.
	Over mountainous land;through dense sage brush and scattering timber .
	Desc.gradually.
3.70	Fence,bears NE and SW.
16.00	Top of ridge,30 ft.high,bears N.80°E.and S.80°W.
	Desc.
30.10	Trail,bears NE and SW.
31.10	Bottom of hollow,40 ft.below ridge,course NE.
	Asc.
40.00	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor..mkd.on brass cap ¼ S 16 in W half and S 15 in E.half;from which
	A cedar,10 ins.dia.,bears N.47°E.,32 lks. dist.mkd.¼ S 15 B T.
	A cedar,16 ins.dia.,bears S.52°30'W.,38 lks. dist..mkd.¼ S 16 B T.
50.00	Top of ridge,80 ft.above hollow,bears E.and W.
	Desc.
75.25	Bottom of hollow,250 ft.below ridge,course W.
	Asc.
80.00	Set an iron post,3 ft.long,2 ins.dia.,24 ins.in the ground,for cor.of secs.9,10,15,and 16,mkd.on brass cap T 42 S S 9 in NW.

Subdivision of T.42 S.,R.9 W.-Continued.

Chains	
	R 9 W S 10 in NE.;
	S 15 in SE.;and
	S 16 in SW.quadrants;from which
	A cedar,24 ins.dia.,bears N.43°20'E.,71 lks.
	dist..mkd.T 42 S R 9 W S 10 B T.
	A cedar,6 ins.dia.,bears S.69°40'E.,75 lks.
	dist..mkd.T 42 S R 9 W S 15 B T.
	A cedar,7 ins.dia.,bears S.87°45'W.,64 lks.
	dist.mkd.T 42 S R 9 W S 16 B T.
	A pinon pine,8 ins.dia.,bears N.35°W.,114 lks.
	dist..mkd.T 42 S R 9 W S 9 B T.
	Land,mountainous .
	Soil,sandy loam;2nd rate.
	Timber,cedar and pinon pine.
	Undergrowth,sage brush.
	Good grass for grazing.
	Mountainous land,or land covered with dense undergrowth,
	80.00 chs.
	———
	N.89°56'E.,on a random line bet.secs.10 and 15.
40.00	Set temp.¼ sec.cor.
80.00	Intersect N.and S.line,12 lks.N.of the cor.of secs.10,11, 14,and 15.
	Thence I run
	N.89°59'W.,on a true line bet.secs.10 and 15.
	Over rolling mountainous land;through dense undergrowth and scattering timber.
	Asc.
8.00	Top of ridge,30 ft.above sec.cor.,bears N.and S.
	Desc.
18.50	Bottom of hollow,80 ft.below ridge,course N.20°E.
	Asc.

Subdivision of T.42 S.R.9 W.-Continued.

Chains	
40.00	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor..mkd.on brass cap ¼ S 10 in N half and S 15 in S half;from which
	A cedar,8 ins.dia.,bears N.84°10'E.,50 lks. dist..mkd.¼ S 10 B T.
	A cedar,14 ins.dia.,bears S.53°45'W.,78 lks. dist..mkd.¼ S 15 B T..
57.00	Top of ridge,150 ft.above hollow,bears N.and S.
	Desc.
80.00	The cor.of secs.9,10,15,and 16.
	Land,mountainous .
	Soil,sandy loam;2nd rate.
	Timber,cedar and pinon pine.
	Undergrowth,sage and oak brush.
	Good grass for grazing.
	Mountainous land,or land covered with dense undergrowth, 80.00 chs.
	September 6,1909.

September 7,1909:At 7 h 28 m a.m.,1.m t.,I set off 37°10' N.,on the lat.arc;6°12'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°2'W.,bet.secs.9 and 10.

Over mountainous land;through scattering timber and scattering undergrowth.

Asc.

2.00	Top of ridge,20 ft.above sec.cor.,bears E.and W.
	Desc.
15.60	Bottom of hollow,250 ft.below,ridge,course NE.

Subdivision of T.42 S.,R.9 W.,Continued.

Chains

Asc.

20.00 Top of spur,50 ft.above hollow,bears NE and SW.

Desc.

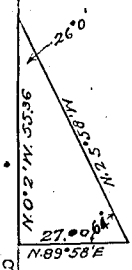
22.20 South edge of East Fork of Virgin River canon, bears E. and W.

From here north the line crosses East Fork of Virgin River canon,over precipitious ledges across which it is impossible to chain;therefore at this point I

Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for witness cor.to ¼ sec.cor..mkd.on brass cap W C ¼ S 9 in W half and S 10 in E half;T42S R9½W.in N.

A pinon pine,5 ins.dia.,bears S.38°E.,46 lks. dist..mkd.W C ¼ S 10 B T.

A yellow pine,14 ins.dia.,bears N.52°45'W.,18 lks.dist..mkd.W C ¼ S 9 B T.



To determine the distance across the canon I place a flag on line on north side of canon and from this point I measure a base N.89°58'E.,27.00 chs.,to point from which the flag on north side of canon bears N.25°58'W.,making angle at the base 64°;then from the flag on the north edge of the canon the east end of the base bears S.25°58' E.,making the angle opposite the base 26°,which agrees with the angle taken from the south side of canon.

To calculate distance across :

Tan 64° x base or 2.05030 x 27.00 = 55.36

which added to 22.20 chs.makes [illegible]

77.56 North edge of East fork of Virgin River canon,bears E. and W.

The canon here is about 1500 ft.deep,and the creek in bottom is at about 57.00 chs.;it is 30 lks.wide,1 ft.deep, gravelly bottom,rapid current,and good water.

Asc.

80.00 Set an iron post,3 ft.long,2 ins.in dia.,24 ins.in the ground,for cor.of secs.3,4,9,and 10,mkd.on brass cap

T 42 SS 4 in NW.

Subdivision of T.42 S.,R.9 W.-Continued.

Chains	
	R 9 W S 3 in NE.
	S 10 in SE.;and
	S 9 in SW.quadrants;from which
	A cedar,24 ins.dia.,bears N.61°15'E.,50 lks.
	dist..mkd.T 42 S R 9 W S 3 B T.
	A pinon pine,12 ins.dia.,bears S.67°30'E.,111
	lks.dist..mkd.T 42 S R 9 W S 10 B T.
	A cedar,12 ins.dia.,bears S.49°30'W.,70 lks.
	dist..mkd.T 42 S R 9 W S 9 B T.
	A pinon pine,10 ins.dia.,bears N.76°30'W.,114
	lks.dist..mkd.T 42 S R 9 W S 4 B T.
	Land,mountainous .
	Soil,sandy loam and rocky;2nd and 4th rate.
	Timber,cedar and pinon pine.
	Undergrowth,sage brush and oak brush.
	Good grass for grazing.
	Mountainous land,80.00 chs.

	S.89°59'E.,on a random line bet.secs.3 and 10.
40.00	Set temp.¼ sec.cor.
80.10	Intersect N.and S.line,21 lks.S.of the cor.of secs.2,3,10,
	and 11.
	Thence I run
	S.89°52'W.,on a true line bet.secs.3 and 10.
	Over rolling mesa;through dense undergrowth and scattering
	timber .
20.10	Leave mesa,bears N.and S.
	Desc.abruptly over ledges.
28.10	Bottom of canon,350 ft.below mesa,course S.
	Asc.
31.10	Top of ridge,350 ft.above canon,bears N.and S.
	Desc.
33.10	Bottom of canon,100 ft.below ridge,course S.

Subdivision of T.42 S.,R.9 W.-Continued.

Chains	
	Asc.
40.05	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor..mkd.on brass c p ¼ S 3 in N half and S 10 in S half;from which
	A pinon pine,7 ins.dia.,bears N.25°E.,144 lks. dist..mkd.¼ S 3 B T.
	A pinon pine,6 ins.dia.,bears S.15°E.,119 lks. dist..mkd.¼ S 10 B T.
41.60	Top of ridge,150 ft.above hollow,bears N.and S.
	Desc.
42.60	Bottom of hollow,40 ft.below ridge,course S.
	Asc.
47.10	Top of ridge,40 ft.above hollow,bears N.and S.
	Desc.
50.10	Bottom of canon,150 ft.below ridge.course S.
	Asc.
51.10	Top of ridge,200 ft.above canon,bears N.and S.
	Desc.
70.10	Bottom of canon,500 ft.below ridge,course S.
	A small spring bears N.300 lks.dist.,in bottom of canon.
	Asc.
77.80	Top of ridge,500 ft.above canon,bears N.and S.
	Desc.
80.10	The cor.of secs.3,4,9,and 10.
	Land,mountainous and rolling mesa.
	Soil,sandy loam and rocky;2nd and 3rd rate.
	Timber,cedar and pinon pine.
	Undergrowth,oak and sage brush.
	Good grass for grazing.
	Mountainous land,or land covered with dense undergrowth, 80.10 chs.
	September 7,1909:At this cor.I set off 6°07'N.,on the decl. arc;and at 11 h 58 m a.m.,l.m t.,I observe the sun on the meridian the resulting lat.is 37°11'N.,which is the proper lat.nearly.

Subdivision of T.42 S.,R.9 W.-Continued.

Chains	
	N.0°2'W.,on a random line bet.secs.3 and 4.
40.00	Set temp.¼ sec.cor.
76.80	Intersect N.bdy.of Tp.,47 lks.W.89°59'W.,of the cor.of secs.3,4,33,and 34,heretofore described.
	Thence I run
	S.0°18'W.,on a true line bet.secs.3 and 4.
	Over mountainous land;through heavy timber and scattering undergrowth.
	Asc.over numerous small ridges and washes.
36.80	Top of ridge,150 ft.above sec.cor.,bears E.and W.
	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor..mkd.on brass cap ¼ S 4 in W half and S 3 in E half;from which
	A cedar,6 ins.dia.,bears S.68°45'E.,72 lks. dist..mkd.¼ S 3 B T.
	A yellow pine.14 ins.dia.,bears N.56°W.,38 lks. dist..mkd.¼ S 4 B T.
	Desc.
60.00	Begin abrupt descent,over ledges,bears E.and W.
76.80	The cor.of secs.3,4,9,and 10.
	Land,mountainous .
	Soil,sandy loam and rocky;2nd and 4th rate.
	Timber,cedar and pinon pine.
	Undergrowth,sage and oak brush.
	Good grass for grazing.
	Mountainous or heavily timbered land,76.80 chs.

September 7,1909.

September 8,1909:At 7 h 28 m a.m.,l.m t.,I set off 37°

Subdivision of T.42 S.,R.9 W.-Continued.

Chains	
	07'N.,on the lat.arc;5°50'N.,on the decl.arc;and determine a meridian with the solar,at the cor.of secs.4,5,32,and 33,on S.bdy.of Tp.,heretofore described.
	Thence I run
	N.0°3'W.,bet.secs.32 and 33.
	Over rolling mountainous land;through dense undergrowth and scattering timber .
	Asc.
15.00	Top of ridge,75 ft above cor.,bears E.and W.
	Desc.
17.00	Bottom of swale,20 ft.below ridge,course E.
	Asc.
20.00	Top of ridge,20 ft.above swale,bears E.and W.
	Desc.
40.00	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor..mkd.on brass cap ¼ S 32 in W half and S 33 in E half;from which
	A cedar,8 ins.dia.,bears N.53°E.,146 lks. dist..mkd.¼ S 33 B T.
	A cedar,7 ins.dia.,bears S.42°30'W.,132 lks. dist..mkd.¼ S 32 B T.
50.00	Bottom of hollow,40 ft.below ridge,course E.
	Asc.
60.00	Top of steep ascent,100 ft.above hollow,bears E.and W.
	Asc.gradually.
72.00	Top of ridge,180 ft.above hollow,bears N.60°E.and S.60° W.
	Desc.
80.00	Point 150 ft.below ridge,
	Set an iron post,3 ft.long,2 ins.in dia.,24 ins.in the ground,for cor.of secs.28,29,32,and 33,mkd.on brass cap
	T 42 S S 29 in NW.
	R 9 W S 28 in NE.
	S 33 in SE.;and

Subdivision of T.42 S.,R.9 W.-Continued.

Chains

S 32 in SW.;quadrants;from which

A cedar,12 ins.dia.,bears N.37°E.,72 lks.

dist..mkd.T 42 S R 9 W S 28 B T.

A cedar,10 ins.dia.,bears S.51°30'E.,65 lks.

dist..mkd.T 42 S R 9 W S 33 B T.

A cedar,7 ins.dia.,bears S.76°W.,69 lks.

dist..mkd.T 42 S R 9 W S 32 B T.

A cedar,8 ins.dia.,bears N.29°W.,89 lks.

dist..mkd.T 42 S R 9 W S 29 B T.

Land,mountainous .

Soil,sandy loam;2nd rate.

Timber,cedar and pinon pine.

Undergrowth,sage brush.

Good grass for grazing.

Mountainous land,or land covered with dense undergrowth,

80.00 chs.

N.89°58'E.,on a random line bet.secs.28 and 33.

50.00 Set temp.¼ sec.cor.

80.10 Intersect N.and S.line,5 lks.S.of the cor.of secs. 27, 28,33,and 34.

Thence I run

S.89°56'W.,on a true line bet.secs.28 and 33.

Over rolling mountainous land;through dense undergrowth and scattering timber .

Desc.gently.

40.05 Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor..mkd.on brass cap ¼ S 28 in N half and S 33 in S half;from which

A cedar,12 ins.dia.,bears N.21°30'W.,470 lks.

dist..mkd.¼ S 28 B T.

A cedar,12 ins.dia.,bears S.77°20'E.,535

lks.dist.,mkd.¼ S 33 B T.

Subdivision of T.42 S.,R.9 W.-Continued.

Chains	
40.25	Bottom of broad hollow,100 ft.below sec.cor.,course N.50° W.
	Asc.gradually.
40.80	Road,bears N.50°W.and S.50°E.
75.00	Enter heavy timber,bears N.and S.
75.25	Top of ridge,100 ft.above hollow,bears N.and S.
	Desc.
80.10	The cor.of secs.28,29,32,and 33.
	Land,mountainous.
	Soil,sandy loam;2nd rate.
	Timber,cedar and pinon pine.
	Undergrowth,sage brush.
	Good grass for grazing.
	Mountainous or heavily timbered land,or land covered with dense undergrowth,80.10 chs.
	September 8,1909:At this cor.I set off 5°44'N.,on the decl.arc;and at 11 h 58 m a.m.,l.m.t.,I observe the sun on the meridian,the resulting lat.is 37°08'N.,which is the proper lat.nearly.

	N.0°3'W.,bet.secs.28 and 29.
	Over mountainous land;through scattering timber and dense undergrowth.
	Desc.
1.00	Bottom of hollow,10 ft.below sec.cor.course N.25°E.
	Asc.
3.00	Leave timber,bears NE and SW.
22.00	Foot of descent,40 ft.below sec.cor.,bears E.and W.
	Enter bottom of hollow.
27.80	Wash in hollow,20 lks.wide,2 ft.deep,course N.70°W.
	Asc.from hollow.
30.00	Top of ridge,30 ft.above hollow,bears E.and W.
	Enter scattering timber,bears E.and W.

Subdivision of T.42 S.,R.9 W.-Continued.

Chains	
	Asc.
40.00	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor..mkd.on brass cap ¼ S 29 in W half and S 28 in E half;from which
	A cedar,6 ins.dia.,bears S.47°30'E.,87 lks. dist..mkd.¼ S 28 B T.
	A cedar,6 ins.dia.,bears S.50°W.,76 lks. dist..mkd.¼ S 29 B T.
46.00	Bottom of hollow,20 ft.below ridge,course W.
	Asc.gradually.
80.00	Set an iron post,3 ft.long,2 ins.in dia.,24 ins.in the ground,for cor.of secs.20,21,28,and 29,mkd.on brass cap
	T 42 S S 20 in NW.
	R 9 W S 21 in NE.
	S 28 in SE.;and
	S 29 in SW.;quadrants;from which
	A cedar,9 ins.dia.,bears N.34°E.,334 lks. dist. mkd.T 42 S R 9 W S 21 B T.
	A cedar,10 ins.dia.,bears S.54°30'W.,67 lks. dist..mkd.T 42 S R 9 W S 29 B T.
	A cedar,24 ins.dia.,bears N.83°30'W.,52 lks. dist..mkd.T 42 S R 9 W S 20 B T.
	No other tree within limits;dig pit,18x18x12 ins.in sec.28 5½ ft.dist;.and raise a mound of earth,3½ ft.base,1½ ft. high,W.of cor.
	Land,mountainous .
	Soil,sandy loam;2nd rate.
	Timber,cedar and pinon pine.
	Undergrowth,sage brush.
	Good grass for grazing.
	Mountainous land,or land covered with dense undergrowth, 80.00 chs.

Subdivision of T.42 S.,R.9 W.-Continued.

Chains	
	N.89°56'E.,on a random line bet.secs.21 and 28.
40.00	Set temp.¼ sec.cor.
80.02	Intersect N.and S.line,7 lks.N.of the cor.of secs.21,22, 27,and 28.
	Thence I run
	S.89°59'W.,on a true line bet.secs.21 and 28.
	Over rolling mountainous land;through heavy timber and scattering undergrowth.
	Asc.
7.50	Top of ridge,100 ft.above sec.cor.,bears N.and S.
	Desc.
15.00	Bottom of hollow,20 ft.below ridge.course NE .
	Asc.
28.00	Top of ridge,30 ft.above hollow,bears N.and S.
	Desc. abruptly.
30.00	Desc.more gradually,bears N.and S.
40.01	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor. mkd.on brass cap ¼ S 21 in N half and S 28 in S half;from which
	A cedar,10 ins.dia.,bears N.5°W.,88 lks. dist..mkd.¼ S 21 B T.
	A cedar,6 ins.dia.,bears S.37°W.,125 lks. dist..mkd.¼ S 28 B T.
80.02	The cor.of secs.20,21,28,and 29.
	Land,rolling mountains .
	Soil,sandy loam;2nd rate.
	Timber,cedar and pinon pine.
	Undergrowth,sage brush.
	Good grass for grazing.
	Mountainous or heavily timbered land,80.02 chs.

September 8,1909.

Subdivision of T.42 S.R.9 W.-Continued.

Chains	
	September 9,1909:At 7 h 27 m a.m.,l.m.t.,I set off 37°09' N.,on the lat.arc;5°27'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°3'W.,bet.secs.20 and 21.
	Over rolling mountainous land;through scattering timber and dense undergrowth.
	Asc.
35.00	Top of ridge,100 ft.above sec.cor.,bears E.and W.
	Desc.
40.00	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor..mkd.on brass cap ¼ S 20 in W half and S 21 in E half.;from which
	A cedar,8 ins.dia.,bears N.84°E.,260 lks. dist..mkd.¼ S 21 B T.
	A cedar,4 ins.dia.,bears S.38°W.,51 lks. dist..mkd.¼ S 20 B T.
61.00	Begin abrupt descent over ledges,bears NE and SW.
69.20	Bottom of hollow,60 ft.below ¼ sec.cor.,course N.30°E.
	Leave ledges,bear N.30°E.and S.30°W. Asc.
73.00	Top of spur,20 ft.above hollow,bears N.70°E.and S.70°W.
	Desc.
76.20	Bottom of hollow,15 ft.below spur,course E.
	Asc.
80.00	Set an iron post,3 ft.long,2 ins.in dia.,24 ins.in the ground,for cor.of secs.16,17,20,and 21,mkd.on brass cap
	T 42 S S 17 in NW.
	R 9 W S 16 in NE.
	S 21 in SE.;and
	S 20 in SW.;quadrants;from which
	A cedar,6 ins.dia.,bears N.13°E.,128 lks. dist..mkd.T 42 S R 9 W S 16 B T.
	A cedar,8 ins.dia.,bears S.61°E.,79 lks. dist..mkd.T 42 S R 9 W S 21 B T.

Subdivision of T.42 S., R.9 W.-Continued.

Chains	
	A cedar, 5 ins.dia., bears S.48°W., 96 lks. dist..mkd.T 42 S R 9 W S 20 B T.
	A cedar, 16 ins.dia., bears N.49°30'W., 183 lks. dist..mkd.T 42 SR 9 W S 17 B T.
	Land, mountainous .
	Soil, sandy loam; 2nd rate.
	Timber, cedar and pinon pine.
	Undergrowth, sage brush.
	Good grass for grazing.
	Mountainous land, or land covered with dense undergrowth,
	80.00 chs.
	N.89°59'E., on a random line bet.secs.16 and 21.
40.00	Set temp. ¼ sec.cor.
79,96	Intersect N.and S.line, 5 lks.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 mountainous land; through dense undergrowth and scattering timber .
	Asc.gently.
2.30	Old fence, bears N.30°E.and S.30°W.
15.00	Enter heavy timber, bears N.and S.
30.00	Top of ridge, 100 ft.above sec.cor., bears N.and S.
	Desc.
39.98	Set an iron post, 3 ft.long, 1 in.in dia., 26 ins.in the ground, for ¼ sec.cor. mkd.on brass cap ¼ S 16 in N half and S 21 in S half; from which
	A cedar, 4 ins.dia., bears N.25°50'E., 101 lks. dist..mkd.¼ S 16 B T.
	A pinon pine, 16 ins.dia., bears S.6°25'E., 68 lks.dist..mkd.¼ S 21 B T.

Subdivision of T.42 S.,R.9 W.-Continued.

Chains	
72.20	Bottom of hollow,100 ft.below ridge,course N.30°E.
	Asc.
79.96	The cor.of secs.16,17,20,and 21.
	Land,mountainous.
	Soil,sandy loam;2nd rate.
	Timber,cedar and pinon pine.
	Undergrowth,sage and bitter brush.
	Good grass for grazing.
	Mountainous land,or land covered with dense undergrowth, 79.96 chs.
	September 9,1909:At this cor.I set off 5° 22'N.,on the decl.arc;and at 11 h 57'm a.m.,l.m.t.,I observe the sun on the meridian,the resulting lat.is 37°09'N.,which is the proper lat.nearly.

	N.0°30'W.,bet.secs.16 and 17.
	Over mountainous land;through dense undergrowth and scattering timber .
	Asc.
10.00	Top of spur,15 ft.above sec.cor.,bears E.and W.
	Desc.
13.70	Bottom of hollow,30 ft.below ridge,course E.
	Asc.
20.00	Top of ridge,20 ft.above hollow,bears E.and W.
	Desc.
34.50	Bottom of hollow,20 ft.below ridge,course E.
	Asc.
40.00	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor..mkd.on brass cap ¼ S 17 in W half and S 16 in E half;from which
	A cedar,8 ins.dia.,bears N.75°E.,12 lks. dist..mkd.¼ S 16 B T.

Subdivision of T.42 S.,R.9 W.-Continued.

Chains	
	A cedar,7 ins.dia.,bears N.72°30'W.,33 lks. dist..mkd.¼ S 17 B T.
42.00	Top of ridge,30 ft.above hollow,bears E.and W.
	Desc.
45.00	Bottom of hollow,25 ft.below ridge,course E.
	Asc.
80.00	Top of ridge,150 ft.above hollow,bears NE and SW.
	Set an iron post,3 ft.long,2 ins.in dia.,24 ins.in the ground,for cor.of secs.8,9,16,and 17,mkd.on brass cap
	T 42 S S 8 in NW.
	R 9 W S 9 in NE.
	S 16 in SE.;and
	S 17 in SW.quadrants;from which
	A cedar,10 ins.dia.,bears N.62°15'E.,56 lks. dist..mkd.T 42 S R 9 W S 9 B T.
	A cedar,8 ins.dia.,bears S.54°20'E.,124 lks. dist..mkd.T 42 S R 9 W S 16 B T.
	A pinon pine,7 ins.dia. bears S.49°25'W.,35 lks. dist..mkd.T 42 S R 9 W S 17 B T.
	A pinon pine,12 ins.dia.,bears N.30°25'W.,80 lks. lks.dist..mkd.T 42 S R 9 W S 8 B T.
	Land,mountainous.
	Soil,sandy loam;2nd rate.
	Timber,cedar and pinon pine.
	Undergrowth,oak and sage brush .
	Good grass for grazing.
	Mountainous land,or land covered with dense undergrowth, 80.00 chs.

	N.89°57'E.,on a random line bet.secs.9 and 16.
40.00	Set temp.¼ sec.cor.
79.90	Intersect N.and S.line,19 lks.N.of the cor.of secs. 9,10,15,and 16.

Subdivision of T.42 S.,R.9 W.-Continued.

Chains

Thence I run

N.89°55'W.,on a true line bet.secs.9 and 16.

Over mountainous land;through scattering undergrowth and heavy timber.

Desc.abruptly.

26.00 Bottom of canon,400 ft.below sec.cor.,course N.

Asc. Over ledges.

39.95 Set an iron post,3 ft.long,1 in.in dia.,12 ins.in the ground and surrounded by mound of stone,for ¼ sec.cor.,mkd.on brass cap ¼ S 9 in N half and S 16 in S half;from which

A yellow pine,14 ins.dia.,bears N.56°E.,65 lks.dist..mkd.¼ S 9 B T.

A yellow pine 16 ins.dia.,bears S.56°E.,65 lks.dist..mkd.¼ S 16 B T.

Impossible to set post 26 ins.in the ground.

55.00 Begin steeper ascent,bears N.and S.,

70.00 Leave ledges,bears N.and S.

Asc.

79.90 The cor.of secs.8,9,16,and 17.

Land,mountainous and level.

Soil,sandy loam and rocky;2nd and 4th rate.

Timber.cedar and pinon pine,and yellow pine.

Undergrowth,sage and bitter brush.

Good grass for grazing.

Mountainous or heavily timbered land,79.90 chs.

September 9,1909.

September 10,1909:At 7 h 27 m a.m.,l.m.t.,I set off 37° 10'N.,on the lat.arc; 5°5'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

Subdivision of T.42 S.,R.9 W.-Continued.

Chains	
	N.0°3'W.,bet.secs.8 and 9.
	Over mountainous land;through heavy timber and scattering undergrowth.Desc.gently.
10.00	Bottom of hollow,40 ft.below sec.cor.,course E.Asc.
12.50	Top of ridge,30 ft.above hollow,bears E.and W. Desc.
15.00	Bottom of hollow,40 ft.below ridge,course N.80°E. Asc.
20.00	Top of ridge,30 ft.above hollow,bears E.and W. Desc.
40.00	Set an iron post,3 ft.long,1 in.in.dia.26 ins.in the ground,for ¼ sec.cor..,mkd.on brass cap ¼ S 8 in W half and S 9 in E half;from which
	A cedar,12 ins.dia.,bears S.84°E.,6 lks. dist..mkd.¼ S 9 B T.
	A cedar,10 ins.dia.,bears S.68°W.,26 lks. dist..mkd.¼ S 8 B T.
50.00	Begin abrupt descent,over ledges,bears NW and SE.
75.26	Edge of perpendicular ledge,at S.edge of East Fork of Virgin River,bears NW and SE.
	It is impossible to chain across the canon therefore at this point I
	Set an iron post,3 ft.long,2 ins.dia.,24 ins.in the ground,for witness cor.to cor.of secs.4,5,8,and 9,mkd. on brass cap
	T 42 S S 5 in NW.
	W C R 9 W S 4 in NE.
	S 9 in SE.;and
	S8 in SW.quadrants;from which
	A pinon pine,8 ins.dia.,bears N.73°10'E.,35 lks.dist..mkd.W C T 42 S R 9 W S 9 B T.
	A pinon pine,8 ins.dia.,bears S.40°E.,97 lks. dist..mkd.W C T 42 S R 9 W S 9 B T.
	A yellow pine,30 ins.dia.,bears S.31°30'W., 100 lks.dist..mkd.W C T 42 S R 9 W S 8 B T.
	A pinon pine,6 ins.dia.,bears N.17°45'W.,37

Subdivision of T.42 S.,R.9 W.-Continued.

Chains. lks.dist..mkd.WC T 42 S R 9 W S 8 B T.

Note:It is impossible to get a base for triangulation on this side of the canon,therefore I set a flag at this witness cor.for a triangulation flag and proceed to a point on line on North edge of canon,where I measure a base,N.89°57'E.,7.50 chs.to a point from which the flag on the south side of the canon,bears S.20°46'W.,which makes the angle at the base 69°11'.I calculate the distance across the canon as follows:

tan 69°11' x base = 2.63021 x 7.50 =19.73 which added to 75.26 makes

94.99 North edge of canon,bears E.and W.

Set temp.witness cor.to cor.of secs.4,5,8,and 9.

80.00 Point for cor.of secs.4,5,8,and 9.falls in ledges,Not set.

Land,mountainous very rough .

Soil sandy loam and rocky;2nd and 4th rate.

Timber,cedar and pinon pine.

Undergrowth,sage and bitter brush.

Mountainous or heavily timbered land,80.00 chs.

September 10,1909:At the noon hour sky is overcast,and solar observations are impossible.

Note:On account of not knowing where to set witness cor. to cor.of secs.4,5,8,and 9,until I run the line bet.secs. 4 and 5,I run said line before running east bet.secs.4 & 9. From the temp.witness cor.to cor.of secs.4,5,8,and 9, which is 14.99 chs.N.0°3'W.,from the true cor.point I run

N.0°3'W.,on a random line bet.secs.4 and 5

40.00 Set temp.¼ sec.cor.(counting distances from true cor.point.

76.72 Intersect N.bdy.of Tp.,34 lks.N.89°59'W.,of the cor.of secs.4,5,32,and 33,heretofore described.

Thence I run

S.0°12'W. ,on a true line bet.secs.4 and 5.

Over mountainous land;through scattering timber and scattering undergrowth.Desc.along west slope of ridge.

Subdivision of T.42 S.,R.9 W.-Continued.

Chains

Over ledges.

36.72 Set an iron post,3 ft.long,1 in.in dia.,20 ins.in the ground,,and surrounded by mound of stone,for ¼ sec.cor. mkd.on brass cap ¼ S 5 in W half and S 4 in E half;from which

A cedar,6 insdia.,bears N.86°30'E.,33 lks. dist..mkd.¼ S 4 B T.

A pinon pine,12 ins.dia.,bears N.19°15'W.,54 lks.dist..mkd.¼ S 5 B T.

59.00 Top of ridge,400 ft.below sec.cor.,bears N.5°E.and S.20° W.;Desc.

61.73 Fall 7 lks.E.of temp.witness cor.,I set the witness cor. on my true line and at this distance as follows:

Set an iron post,3 ft.long,2 ins.in dia.,24 inn in the ground,for witness cor.to cor.of secs.4,5,8,and 9,mkd. on brass cap

T 42 S S 5 in NW.

W C R 9 W S 4 in NE.

S 9 in SE.;and

S 8 in SW.quadrants;from which

A pinon pine,12 ins.dia.,bears N.1°E.,26 lks.dist..mkd.W C T 42 S R 9 W S 4 B T.

A smooth face of a large ledge or cliff bears S.41°30'E.,14 lks.dist..mkd. X B O .

A pinon pine,12 ins.dia.,bears S.43°30'W.,18 lks.dist..mkd.WC.T 42 S R 9 W S 5 B T.

A pinon pine,12 ins.dia.,bears N.75°30'W.,26 lks.dist..mkd.W C T 42 S R 9 W S 5 B T.

72.00 Creek,30 lks.wide,1 ft.deep,in bottom of East Fork of Virgin Canon,1500 ft.deep,course W.

Asc.abruptly over ledges.

76.72 Point for cor.of secs.5,4,8,and 9,falls in ledges; cor. not set.

Land,mountainous .

Soil,sandy loam and rocky;2nd and 4th rate.

Timber,cedar,pinon pine,and yellow pine.

Subdivision of T.42 S.,R.9 W.-Continued.

Chains	
	Undergrowth oak and magogany brush.
	Mountainous land, 76.72 chs.
	From witness cor.to cor.of secs.4,5,8,and 9,which is 14.99 chs.N.0°12'E.of the true cor.point ,I run S.89°55'E.,on a random offset line bet.secs.4 and 9 .
40.00	Offset S.0°12'W.,14.99 chs.and Set temp.¼ sec.cor. Thence continue S.89°55'E.,on random line bet.secs.4 and 9.
79.88	Intersect N.and S.line,2 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. Over mountainous land;through scattering timber and scattering undergrowth. Desc.
2.20	Begin abrupt descent over ledges,bears N.and S.
10.00	Bottom of canon,150 ft.below sec.cor.,course S. Asc.abruptly over ledges.
14.20	Top of ridge,60 ft.above canon,bears N.and S.Desc.over ledg
21.00	Bottom of canon,140 ft.below ridge,course S.Asc.over ledges.
31.00	Top of ridge,20 ft.above canon,bears N.and S.Desc.over ledge
39.50	Begin abrupt descent,bears N.and S.
39.94	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor..mkd.on brass cap ¼ S 4 in N half and S 9 in S half;from which A pinon pine,6 ins.dia.,bears N.67° W.,35 lks.dist..mkd.¼ S 4 B T. A pinon pine,16 ins.dia.,bears S.32°15'E.,9 lks.dist,mkd.¼ S 9 B T. Offset N.0°12'E.,14.99 chs.;then on offset line N.89°54'W., [illegible]
51.00	Canon,250 ft.below offset point,course S. Asc.
79.88	The witness cor.to cor.of secs.4,5,8,and 9. Note:The topography on the west half of the line bet.secs. 4 and 9 in about as follows:

Subdivision of T.42 S.,R.9 W.-Continued.

Chains	
	46.00 chs.Creek,30 lks.wide,1 ft.deep,in bottom of canon, 2000 ft.below ¼ sec.cor.,course N.at this point general counse W.;ascend abruptly over ledges.
	60.00 Top of ridge,2000 ft.above canon,bears N.and S. Desc.over ledges.
	Land,mountainous .
	Soil,sandy loam and rocky;2nd and 4th rate.
	Timber,cedar and pinon pine.
	Undergrowth,sage brush.
	No grass.
	Mountainous land,79.88 chs.
	September 10,1909.
	September 11,1909:At 7 h 27 m a.m.,l.m.t.,I set off 37° 07'N.,on the lat.arc;and 4°,42'W.on the decl.arc;and determine a meridian with solar,at the cor.of secs.5,6, 31,and 32,on S.bdy.of Tp.heretofore described.
	Thence I run
	N.0°3'W.,bet.secs.31 and 32.
	Over mountainous land;through scattering timber and scattering undergrowth .
	Desc.
34.00	Begin more abrupt descent,bears NW and SE.
40.00	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor.,mkd.on brass cap ¼ S 31 in W half and S 32 in E half;from which
	An oak,3 ins.dia.,bears N.72°E.,29 lks. dist..mkd.¼ S 32 B T .
	A cedar,14 ins.dia.,bears S.55°30'W.,59 lks. dist..mkd.¼ S 31 B T.

Subdivision of T.42 S., R.9 W.-Continued.

Chains	
42.00	Bottom of hollow,100 ft.below sec.cor.,course E.
	Continue descent.
48.50	Bottom of canon,50 ft.below hollow,course E.
	Desc.along bottom of canon.
52.00	Leave canon,bears N.5°W.
	Asc.
52.95	Top of spur,20 ft.above canon,bears E.and W.
	Desc.
55.00	Bottom of canon,30 ft.below spur,course N.5°W.,comes
	from S.5°W.
	In old corral bears W 100 lks.dist.;There is a small
	spring at South edge of corral.
	Asc.
80.00	Set an iron post,3 ft.long,2 ins.dia.,24 ins.in the
	groundfor cor.of secs.29,30,31,and 32,mkd.on brass cap
	T 42 S, R 9 W in NW.
	R 9 W S 29 in NE.
	S 32 in SE.;and
	S31 in SW.quadrants;from which
	A cedar,8 ins.dia.,bears N.60°E.,120 lks.
	dist.,mkd.T 42 S R 9 W S 29 B T.
	A yellow pine,36 ins.dia.,bears S.71°30'E.,250
	lks.dist.,mkd.T 42 S R 9 W S 32 B T.
	No other trees within limits;dig pits,18x18x12 ins.in secs.
	31 and 30,5½ ft.dist.;cpd raise a mound of earth,3½ ft.
	base,1½ ft.high,W. of cor.
	Land,mountainous
	Soil,sandy;2nd rate.
	Timber,cedar,piñon pine,and yellow pine.
	Undergrowth,sage and oak brush.
	Good grass for grazing.
	Mountainous land,80.00 chs.

Subdivision of T.42 S.,R.9 W.-Continued.

Chains	
	N.89°58'E.,on a random line bet.secs.29 and 32.
40.00	Set temp.¼ sec.cor.
80.16	Intersect N.and S.line,5 lks.N.of the cor.of secs.28.29, 32,and 33.
	Thence I run
	West,on a true line bet.secs.29 and 32.
	Over mountainous land;through scattering timber and dense undergrowth.
	Desc.
.20	Bottom of hollow,course N.10°E.
	Asc.
15.00	Top of ridge,75 ft.above hollow,bears N.and S.
	Desc.
19.40	Bottom of hollow,20 ft.below ridge,course N.10°W.
	Asc.
31.00	Top of ridge,20 ft.above hollow,bears N.and S.
	Desc.
40.08	Set an iron post,3 ft.long,1 in.india., 26 ins.in the ground,for ¼ sec.cor..mkd.on brass cap ¼ S 29 in N half and S 32 in S half;dig pits,18x18x12 ins.E.and W.of post, 3 ft.dist.;and raise a mound of earth,3½ ft.base,1½ ft.high, N.of cor.
41.00	Bottom of hollow,60 ft.below ridge,course N.10°W.
	Asc.gradually.
43.00	An old corral and spring bears about 150 lks.North.
73.00	Top of ridge,75 ft.above hollow,bears N.and S.
	Desc.
80.16	The cor.of secs.29.30,31,and 32.
	Land,mountainous
	Soil,sandy loam;2nd rate.
	Timber,cedar,and pinon pine.
	Undergrowth,sage and oak brush.
	Good grass for grazing.
	Mountainous land,or land covered with dense undergrowth.

Subdivision of T.42 S.,R.9 W.-Continued.

Chains	
	80.16 chs.
	September 11,1909:At this cor.I set off 4°38'N.,on the decl. arc;and at 11 h 57 m a.m.,l.m.t.,I observe the sun on the meridian,the resulting lat.is 37°08'N.,which is the proper lat.nearly.
	S.89°58'W.,on a random line bet.secs.30 and 31.
40.00	Set temp.¼ sec.cor.
78.20	Intersect W.bdy.of Tp.,at the cor.of secs.25,30,31,and 36,heretofore described.
	Thence I run
	N.89°58'E.,on a true line bet.secs.30 and 31.
	Over mountainous land;through scattering undergrowth and scattering timber .
	Asc.abruptly.
5.20	Top of spur,50 ft.above sec.cor.,bears N.and S.
	Desc.
13.20	Bottom of swale,75 ft.below ridge,course N.20°W.
	Asc.abruptly over ledges.
25.20	Top of abrupt ascent,bears N.and S.
	Leave ledges,bears N.and S.
	Thence over mesa,through dense sage and oak brush .
38.20	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor..mkd.on brass cap ¼ S 30 in N half and S 31 in S half;from which
	A cedar,8 ins.dia.,bears N.66°E.,37 lks. dist.,mkd.¼ S 30 B.T..
	A pinon pine,6 ins.dia.,bears S.11°E.,71 lks.dist.,mkd.¼ S 31 B T.
48.20	Leave mesa,bears N.and S.
	Desc.abruptly.
68.20	Foot of steep descent,100 ft.below mesa,bears N.and S.
	Desc.gradually.

Subdivision of T.42 S.,R.9 W.-Continued.

Chains	
71.00	Bottom of hollow,200 ft.below mesa,course N.30°E.
	Asc.
73.20	Point of spur,30 ft.above hollow,bears NE and SW.
	Desc.
75.70	Bottom of canon,20 ft.below spur,course N.10°E.
	Asc.
78.20	The cor.of secs.29.30,31,and 32.
	Land,mountainous,and rolling mesa.
	Timber,cedar,pinon pine and yellow pine.
	Undergrowth,oak and sage brush.
	Good grass for grazing.
	Mountainous land,or land covered with dense undergrowth,
	78.20 chs.
	N.0°3'W.,bet.secs.29 and 30.
	Over mountainous land;through scattering timber and
	scattering undergrowth.
	Desc.
10.00	Bottom of canon,150 ft.below sec.cor.,course NE.
	Enter dense undergrowth,bears N.E.and SW.
	Enter heavy timber,bears NE and SW.
	Asc.
40.00	Set an iron post,3 ft.lonf,1 in.in dia.,26 ins.in the
	ground,for ¼ sec.corl.mkd.on brass cap ¼ S 30 in W half
	and S 29 in E half ;from which
	A cedar,18 ins.dia.,bears N.69°30'E.,62 lks.
	dist..mkd.¼ S 29 B T.
	A cedar,8 ins.dia.,bears S.26°30'W.,55 lks.
	dist..mkd.¼ S 30 B T.
48.00	Top of ridge;1250 ft.above canon,bears E.and W.
	Desc.
52.50	Bottom of hollow,50 ft.below ridge,course N.40°E.
	Asc.

Subdivision of T.42 S.,R.9 W.-Continued.

Chains	
54.00	Top of spur,10 ft.above hollow,bears NE and W.
	Desc.
70.00	Bottom of swale,100 ft.below ridge,course N.W.
	Asc.
72.20	Top of spur,40 ft.above hollow,bears N.60°W.and S.60°E.
	Desc.
75.00	Enter bottom of hollow,80 ft.below spur,bears E.and W.
	Leave timber,bears E.and W.
	Thence in bottom of hollow .
80.00	Set an iron post,3 ft.long,2 ins.in dia.,24 ins.in the ground,for cor.of se.19.20,29,and 30,mkd.on brass cap
	T 42 S S 19 in NW.
	R 9 W S 20 in NE.
	S 29 in SE.;and
	S 30 in SW.quadrants;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 loam;2nd rate.
	Timber,cedar and pinon pine and yellow pine.
	Undergrowth,oak and sage brush.
	Good grass for grazing.
	Mountainous heavily timbered land,or land covered with dense undergrowth,80.00 chs.
	September 11,1909.

September 12,1909:At 7 h 26 m a.m.,l.m.t.,I set off 37° 09'N.,on the lat.arc;4°19'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

East,on a random line bet.secs.20 and 29.

Subdivision of T.42 S.,R.9 W.-Continued.

Chains	
40.00	Set temp.¼sec.cor.
80.10	Intersect N.and S.line,16 lks.S.of the cor.of secs. 20.21,28,and 29.
	Thence I run
	S.89°53'W.,on a true linebet.secs.20 and 29.
	Over rolling mountainous land;through scattering timber and scattering undergrowth.
	Asc.
28.30	Top of ledge,80 ft.high,bears N.and S.
34.00	Bottom of same ledges,bears N.and S.
40.05	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor..mkd.on brass cap ¼ S 20 in N half and S 29 in S half;from which
	A cedar,4 ins.dia.,bears S.52°E.,82 lks.
	dsit.,kd.¼ S 29 B T.
	No other tree within limits;dig pits,18x18x x12 ins.E.and W.of post,3 ft.dist.;and raise a mound of earth,3½ ft.base, 1½ ft.high,N.of cor.
60.00	Top of ridge,20 ft.above ¼ sec.cor.,bears N.and S.
	Desc.
70.00	Foot of descent,150 ft.below ridge,bears N.60°W.and S. 60°E.
	Leave timber,bears N.60°W.and S.60°E.
	Enter dense undergrowth,bears N.60°W.and S.60°E.
	Thence descend gradually in bottom of hollow.
80.10	The cor.of secs.19,20,29,and 30.
	Land,mountainous and nearly level .
	Soil,sandy loam ;2nd rate.
	Timber,cedar and pinon pine.
	Undergrowth,sage and oak brush.
	Good grass for grazing.
	Mountainous land,or land covered with dense undergrowth, 80.10 chs.

Subdivision of T.42 S.,R.9 W.-Continued.

Chains	
	S.89°58'W.,on a random line bet.secs.19 and 30.
40.00	Set temp.¼ sec.cor.
78.00	Intersect W.bdy.of Tp.,2 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 nearly level bottom of canon;through dense sage brush.
	Asc.gradually.
38.00	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor..mkd.on brass cap ¼ S 19 in N half and S 30 in S half ;from which
	A yellow pine,12 ins.dia.,bears N.8°W.,357 lks. dist..mkd.¼ S 19 B T.
	No other trees within limits;dig pits,18x18x12 ins.,E.and W.of post,3 ft.dist.;and raise a mound of earth,3½ ft.base, 1½ ft.high,N.of cor.
78.00	The cor.of secs.19,20,29,and 30.
	Land,nearly level.
	Soil,sand loam;2nd rate.
	No timber .
	Undergrowth,sage brush.
	Good grass for grazing.
	Land covered with dense undergrowth,78.00 chs.
	September 12,1909:At this cor.I set off 4°13'N.,on the decl.arc;and at 11 h 56 m a.m.,l.m.t.,I observe the sun on the meridian the resulting lat.is 37°09'N.,which is the proper lat.nearly.
	N.0°3'W.,bet.secs.19 and 20.
	Over nearly level canon bottom;through dense undergrowth.
	Desc.gently.
.20	Trail,bears E.and W.

Subdivision of T.42 S.,R.9 W.-Continued.

Chains	
5.00	Leave canon bottom,bears E.and W.
	Enter heavy timber,bears E.and W.
	Leave dense and enter scattering undergrowth,bears E.and W.
	Asc.
30.00	Top of ridge,50 ftlabove canon,bears E.and W.
	Desc.
36.00	Bottom of hollow,20 ft.below ridge,course SW.
	Asc.
40.00	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor..mkd.on brass cap ¼ S 19 in W half and S 20 in E half;from which
	A pinon pine,10 ins.dia.,bears S.52°E.,47 lks. dist..mkd.¼ S 20 B T.
	A cedar,8 ins.dia.,bears S.31°W.,36 lks. dist..mkd.¼ S 19 B T.
80.00	Set an iron post,3 ft.long,2 ins.in dia.,24 ins.in the ground,for cor.of secs.17,18,19,and 20,mkd.on brass cap
	T 42 S S 18 in NW.
	R 9 W S 17 in NE.
	S 20 in SE.;and
	S 19 in SW.quadrants;from which
	A cedar,14 ins.dia.,bears N.82°E.,91 lks. dist;.mkd.T 42 S R 9 W S 17 B T.
	A pinon pine,16 ins.dia.,bears S.45°30'E.,144 lks.dist..mkd.T 42 S R 9 W S 20 B T.
	A cedar,12 ins.dia.,bears S.36°W.,93 lks. dist..mkd.T 42 S R 9 W S 19 B T.
	A cedar,6 ins.dia.,bears N.82°W.,57 lks. dist..mkd.T 42 S R 9 W S 18 B T.
	Land,mountainous and nearly level
	Soil,sandy loam;2nd rate.
	Timber,cedar,pinon pine,and yellow pine.
	Undergrowth,sage and oak brush.

Subdivision of T.42 N.,R.9 W.-Continued.

Chains	
	Good grass for grazing.
	Mountainous heavily timbered land,or land covered with dense undergrowth,80.00 chs.
	September 12,1909.
	September 13,1909:At 7 h 26 m a.m.,l.m.t.,I set off 37°09' N.,on the lat.arc;3°56'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.89°53'E.,on a random line bet.secs.17 and 20.
40.00	Set temp.¼ sec.cor.
80.02	Intersect N.and S.line,12 lks.S.of the cor.of secs.16,17,20, and 21.
	Thence I run
	S.89°48'W.,on a true line bet.secs.17 and 20.
	Over mountainous land;through scattering undergrowth and scattering timber .
	Asc.
40.01	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor..mkd.on brass cap ¼ S 17 in N half and S 20 in S.half;from which
	A cedar,8 ins.dia.,bears N.19°30'E.,56 lks. dist..mkd.¼ S 17 B T.
	A cedar,6 ins.dia.,bears S.34°30'E.,95 lks. dist..mkd.¼ S 20 B T.
45.00	Top of ridge,200 ft.above sec.cor.,bears N.and S.
	Desc.
50.20	Bottom of swale,10 ft.below ridge,course S.
	Asc.
55.05	Top of ridge,20 ft.above swale,bears N.and S.
	Desc.

Subdivision of T.42 S.,R.9 W.-Continued.

Chains	
65.00	Bottom of hollow,30 ft.below ridge,course S.
	Asc.
80.02	The cor.of secs.17,18,19,and 20.
	Land,mountainous .
	Soil,sandy loam;2nd rate.
	Timber,cedar and pinon pine.
	Undergrowth,sage brush.
	Good grass for grazing.
	Mountainous land,80.02 chs.
	S.89°59'W.,on a random line bet.secs.18 and 19.
40.00	Set temp.¼ sec.cor.
77.95	Intersect W.bdy.of Tp.,5 lks.N.of the cor.of secs. 13,18.19,and 24,heretofore described.
	Thence I run
	N.89°57'E.,on a true line bet.secs.18 and 19.
	Over mountainous land;through heavy timber and scattering undergrowth,
	Asc.
6.75	Top of ridge,100 ft.above sec.cor.,bears.NE and SW.
	Desc.
20.95	Bottom of hollow,200 ft.below ridge,course S.
	Asc. over ledges.
28.90	Begin more abrupt ascent,bears NE and SW.
37.95	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor..mkd.on brass cap ¼ S 18 in N half and S 19 in S half;from which
	A cedar,7 ins.dia.,bears N.9°W.,54 lks. dist..mkd.¼ S 18 B T.
	A cedar,8 ins.dia.,bears S.42°W.,66 lks. dist..,mkd.¼ S 19 B T.
42.95	Top of abrupt ascent,bears N.and S.

Subdivision of T.42 S.,R.9 W.-Continued.

Chains	
	Leave ledges,bears N.and S..
	Asc.gradually.
55.90	Top of ridge,300 ft.above hollow,bears N.and S.
	Desc.
77.95	The cor.of secs.17,18,19,and 20.
	Land,mountainous .
	Soil,sandy loam and rocky;2nd and 4th rate.
	Timber,cedar,pinon pine,and yellow pine.
	Undergrowth,sage and oak brush.
	Good grass for grazing.
	Mountainous land,or heavily timberedland,77.95 chs.
	September 13,1909At this cor.I set off 3°50'N.,on the decl.arc;and at 11 h 56 m a.m.,l.m.t.,I observe the sun on the meridian,the resulting lat.is 37°09'N.,which is the proper lat.nearly.

	N.0°3'W.,bet.secs.17 and 18.
	Over mountainous land;through scattering timber and dense undergrowth.
	Asc.
10.00	Top of ridge,150 ft.above sec.cor.,bears E.and W.
	Desc.
40.00	Set an iron post,3 ft.long,2 in.in dia.,24 inb.in the ground,for ¼ sec.cor..mkd.on brass cap ¼ S 18 in W half and S 17 in E half;from which
	A cedar,10 ins.dia.,bears N.74°E.,58 lks. dist..mkd.¼ S 17 B.T.
	A pinon pine,4 ins.dia.,bears S.48°30'W.,12 11 lks.dist..mkd.¼.S 18 B T.
42.00	Bottom of hollow,150 ft.below ridge,course W.
	Asc.
45.00	Top of ridge,20 ft.above hollow,bears E.and W.
	Desc.

Subdivision of T.42 S.,R.9 W.-Continued.

Chains

80.00 Set an iron post,3 ft.long,2 ins.in dia.,24 ins.in the ground,for cor.of secs.7,8,17,and 18,mkd.on brass cap

T 42 S S 7 in NW.

R 9 W S 8 in NE.

S 17 in SE.;and

S 18 in SW.;quadrants;from which

A cedar,10 ins.dia.,bears N.75°30'E.87 lks. dist..mkd.T 42 S R 9 W S 8 B T.

A cedar,12 ins.dia.,bears S.62°E.,77 lks. dist..mkd.T 42 S R 9 W S 17 B T.

A cedar,10 ins.dia.,bears S.59°W.,47 lks. dist..mkd.T 42 S R 9 W S 18 B T.

A cedar,12 ins.dia.,bears N.49°30'W.,82 lks. dist..mkd.T 42 S R 9 W S 7 B T.

Land,mountainous .

Soil,sandy loam;2nd rate.

Timber,cedar and pinon pine.

Undergrowth,sage and oak brush.

Good grass for grazing.

Mountainous land,or land covered with dense undergrowth, 80.00 chs.

N.89°48'E.,on a random line bet.secs.8 and 17.

40.00 Set temp.¼ sec.cor.

80.18 Intersect N.and S.line,19 lks.N.of the cor.of secs.8,9, 16,and 17.

Thence I run

S.89°56'W.,on a true line bet.secs.8 and 17 .

Over mountainous land;through scattering timber and dense undergrowth.

Desc.

6.00 Bottom of swale,20 ft.below sec.cor.,course N,

Subdivision of T.42 S., R.9 W.-Conitnued.

Chains	
	Asc.
30.00	Top of ridge, 40 ft. above hollow, bears N. and S.
	Desc.
40.09	Set an iron post, 3 ft. long, 1 in. in dia., 12 ins. in the ground, and surrounded by mound of stone, for ¼ sec. cor. mkd. on brass cap ¼ S 8 in N half and S 17 in S half : from which
	A pinon pine, 8 ins. dia., bears N.71°30'W., 17 lks. dist.. mkd. ¼ S 8 B T.
	A cedar, 6 ins. dia., bears S.41°E., 113 lks. dist.. mkd. ¼ S 17 B T.
	Impossible to set post 26 ins. in ground.
66.00	Bottom of hollow, 300 ft. below ridge, course N.20°W.
	Asc.
73.00	Top of ridge, 30 ft. above hollow, bears N. and S.
	Desc. gradually.
80.18	The cor. of secs. 7, 8, 17, and 18.
	Land, mountainous .
	Soil, sandy loam; 2nd rate.
	Timber, cedar and pinon pine and yellow pine.
	Undergrowth, sage and oak brush .
	Good grass for grazing.
	Mountainous land, or land covered with dense undergrowth, 80.18 chs.
	September 13, 19091

September 14, 1909: At 7 h 26 m a.m., l.m.t., I set off 37°10' N., on the lat. arc; 3°33'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°57'W., on a random line bet. secs. 7 and 18.

Subdivision of T.42 S., R. 9 W.- Continued.

Chains.	
40.00	Set temp.$\frac{1}{4}$ sec.cor.
77.90	Intersect W.bdy.of Tp.5 lks.S.of the cor.of secs.7,12, 13 and 18 heretofore described. Thence I run N.89° 59'E.on a true line bet.secs.7 and 18, Over mountainous land; through heavy timber and scattering undergrowth.
	Asc.over ledges.
14.00	Top of ridge, 75 ft.above sec.cor., bears N. and S. Desc.abruptly over ledges.
25.00	Bottom of hollow, 200 ft.below ridge, course N.30° E. Asc.abruptly over ledges.
37.90	Set an iron post 3 ft.long, 1 in.in dia., 26 ins.in the ground for $\frac{1}{4}$ sec.cor., mkd.on brass cap, $\frac{1}{4}$ S 7 in N. half and S 18 in S.half; from which
	A cedar 18 ins.dia.bears N.53° 30'W. 53 lks.dist. mkd. $\frac{1}{4}$ S 7 B T
	A pinon pine, 14 ins. dia.bears S.1° 30'E. 81 lks. dist., mkd.$\frac{1}{4}$ S 18 B T
44.00	Top of ridge, 200 ft.above hollow,bears N.30° E. and S.30° W. Desc.
48.60	Bottom of gorge 250 ft.deep, course N.30° E. Asc.abruptly over smooth ledges.
60.00	Leave ledges, bear N.30° E. and S.30° W.
77.90	The cor.of secs.7,8,17, and 18.
	Land, mountainous.
	Soil, sandy loam and rocky; 2nd and 4th rate.
	Timber, cedar and pinon pine.
	Undergrowth, sage and oak brush.
	Good grass for grazing.
	Mountainous or heavily timbered land 77,90 chs.
	September 14, 1909: At the noon hour the sky is overcast and solar observations are impossible.

Subdivision of T. 42 S., R. 9 W.- Continued.

Chains	
	N.0° 3'W.bet.secs.7 and 8,
	Over mountainous land; through heavy timber and scattering undergrowth.
	Descend over a series of ledges.
23.17	Head of deep gorge in solid rock, course N.10° E.
	Note: From here north the line continues over a series of perpendicular ledges, practically devoid of vegetation; and, as the point for ¼ sec.cor.will fall in these ledges I set a witness cor.at this position as follows:
	Set an iron post 3 ft.long, 1 in.dia., 26 ins.in the ground, for witness cor.to ¼ sec.cor., mkd.on brass cap W C ¼ S 7 in W.half and S 8 in E.half,T 42 S R 9 W in N.; from which
	A yellow pine 8 ins.dia.bears S.70° E. 50 lks.dist. mkd.W C ¼ S 8 B T
	A yellow pine 10 ins.dia.bears S.36° 30'W. 93 lks. dist., mkd.W C ¼ S 7 B T
	Thence along west wall of deep gorge over ledges.
40.00	Falls on steep slope of ledges, cannot be set.
77.00	Point of sharp rocky ridge, 800 ft.below witness ¼ sec. cor.bears E. and SW.
	This is on the south wall of East Fork of Virgin Canon. It is impossible to chain farther, therefore at this point
	Set an iron post 3 ft.long,2 ins.dia.,24 ins.in the ground,for witness cor.to cor.of secs.5,6,7, and 8, mkd. on brass cap T 42 S S 6 in NW.
	W C R 9 W S 5 in NE.
	S 8 in SE; and
	S 7 in SW.quadrants; from which
	A cedar 6 ins.dia.bears S.60° E.40 lks.dist. mkd.W C T 42 S R 9 W S 8 B T

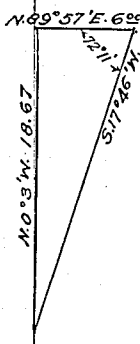
Subdivision of T.42 S.,R.9 W.-Continued.

Chains

A pinon pine 10 ins.dia.bears S.36° W. 20 lks. dist..mkd. W C T 42 S R 9 W S 7 B T.

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

In order to triangulate the distance across the canon I place a flag at this point,and proceed to the north edge of canon,because there is no chance for a base on the south side,and from a point N.0°3'W.,from the witness cor. I measure a base N.89°57'E., 6.00 chs.to point from which the flag on south side of canon bears S.17°46'W.,making the angle at the base 72°11'.



tan 72°11' x base or 3.11153 x 6.00 = 18.67 chs.

77.00 + 18.67 = 95.67chs. and 95.67 - 80.00 makes

15.67 North edge of East Fork of Virgin Canon.

Set temp.witness cor.to cor.of secs.5, 6,7,and 8.

Note:This point is 15.67 chs.N.0°3'W.,from the cor.point for cor.of secs.5,6,7,and 8.

80.00 Falls on walls of East Fork of Virgin River canon,cannot be set.

Land,mountainous very rough .

Soil,rocky;4th rate.

Timber,cedar,pinon pine and yellow pine.

Undergrowth,sage and larb brush.

No grass .

Mountainous or heavily timbered land,80.00 chs.

Note:Not knowing where to set the witness cor.to cor.of secs.5,6,7,and 8,on line bet.secs.5 and 6,I proceed to run the line bet.secs.5 and 6 before running the lines bet.secs.5 and 8 and 6 and 7.

N.0°3'W.,on random line bet.secs.5 and 6,from the temp. witness cor.to cor.of secs.5,6,7,and 8,which is N.0°3'W., 15.67 chs.from true point for cor.of secs.5,6,7,and 8.

Subdivision of T.42 S.,R.9 W.-Continued.

Chains	
40.00	Set temp.¼ sec.cor.(Counting from true cor.point.)
76.84	(Counting from true cor.point)Intersect N.bdy.of Tp.,13 lks.N.89°59'W.,of the cor.of secs.5,6,31,and 32,heretofore described.
	Thence I run
	S.0°5'W.,on true line bet.secs.5 and 6.
	Over mountainous land;through scattering yellow pine timber and scattering undergrowth.
	Desc.over ledges.
4.50	Bottom of canon,100 ft.below sec.cor.,course S.20°E.
	Asc.along east slope of mountain over ledges.
36.84	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor..mkd.on brass cap ¼ S 6 in W half and S 5 in E half;from which
	A yellow pine,14 ins.dia.,bears N.43°E.,32 lks.dist..mkd.¼ S 5 B T.
	A yellow pine,7 ins.dia.,bears N.52°30'W.,32 lks.dist..mkd.¼ S 6 B T.
38.80	Top of ridge,400 ft.above canon,bears NW and SE.
	Desc.over ledges.
61.17	Fall 3 lks.East of the temp.witness cor.to cor.of secs. 5,6,7,and 8.
	Therefore at this point on true line I
	Set an iron post,3 ft.long,2 ins.in dia.,24 ins.in the ground,for witness cor.to cor.of secs.5,6,7,and 8,mkd. on brass cap
	T 42 S S 6 in NW.
	W C R 9 W S 5 in NE.
	S 8 in SE.;and
	S 7 in SW.quadrants;from which
	A pinon pine,10 ins.dia.,bears N.86°30'E.,50 lks.dist..mkd. W C T 42 S R 9 W S 5 B T.
	A ledge,2½x4x2 ft.above ground,bears S.48°E., 17 lks.dist..mkd.X B O .

Subdivision of T.42 S.,R 9 W .-Continued.

Chains	
	A pinon pine,6 ins.dia.,bears S.80°W.,53 lks. dist..mkd.W C T 42 S R 9 W S 6 B T.
	A pinon pine,8 ins.dia.,bears N.32°15'W.,77 lks.dist..mkd. W C T 42 S R 9 W S 6 B T.
	Note:Topography from here south is only estimated.
	Desc.abruptly over a series of perpendicular ledges.
71.00	Creek,30 lks.wide,1 ft.deep,in bottom of East Fork of Virgin River Canon,1200 ft.below witness cor.,course W.
	Asc.abruptly over ledges .
76.84	Point for cor.of secs.5,6,7,and 8. (Cor.not set).
	Land,mountainous .
	Soil,sandy loam and rocky;2nd and 4th rate.
	Timber,yellow pine.
	Undergrowth,bitter brush,oak brush,larb,and service berry.
	Good grass for grazing.
	Mountainous land,76.84 chs.
	September 14,1909.

September 15,1909:At 7 h 25 m a.m.,l.m t.,I set off 37° 11'N.,on the lat.arc;3°10'E.,on the decl.arc;and determine a meridian with the solar,at the witness cor.to cor.of secs.5,6,7,and 8,which is 3.00 chs.S.0°3'E.from the true point for cor.of secs.5,6,7,and 8.

Note:The line bet.secs.5 and 8 runs along the breaks of the East Fork of the Virgin Canon,where it is impossible to chain . It is also impossible to run the line by offsets because of the deep canons and gorges which come into the main canon from north and from south. However from this witness cor.the ¼ sec.cor.bet.secs.4 and 5 is plainly visable;I therefore conclude to triangulate the mile bet.secs.5 and 8 by observing said flag.Also the witness cor.to cor.of secs.4,5,8,and 9,on line bet.secs. 4 and 5 is visable from this point;I therefore take

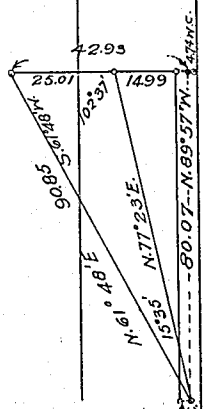
Subdivision of T.48 S.,R.9 W.-Continued.

Chains

the bearing to said cors.as follows:

Note:Before taking the bearings above mentioned I place a flag 14 lks.West of the ¼ sec.cor.bet.secs.4 and 5 and a flag 5 lks.West of the Witness cor.to cor.of secs. 4,5,8,and 9,and take my bearings to these flags to simplify calculations.

From this witness cor.the flag 14 lks.west of ¼ sec.cor. bet.secs.4 and 5 bears N.61°48'E. and the flag 5 lks.W. of the witness cor.to cor.secs.4,5,8,and 9,bears N.77°23' E.,making the included angle here 15°35';then I proceed to the flag which is 14 lks.West of the ¼ sec.cor.bet. sec.4 and 5,from which the flag at the witness cor.to cor.of secs.5,6,7,and 8,bears S.61°48'W.,I then remeasure the distance bet.these two flags and find it to agree with the distance already determined,viz.25.01 ;then I measure the angle bet.this base and the witness cor.to the cor.of secs.5,6,7,and 9,and find it to be 102°37'.



From this data I calculate the distance from the witness cor.to cor.of secs.5,6,7,and 8,to the flag set 14 lks.west of ¼ sec.cor.bet.secs.4 and 5,as follows:

log x = log 25.01 + log sin 102°37'-log sin 15°35' = 1.398114 + 9.989385 - 9.429170 = 1.958329 = 90.85 chs.

Then I assume a right angle triangle of which 90.85 is the hypotenuse and the distance from the witness cor.to cor.of secs.5,6,7,and 8 to the line bet.secs.8 and 9 is one leg and the distane from this intersection to the flag set 14 lks.west of the ¼ sec.cor.bet.secs.4 and 5 is the other leg.I solve this triangle as follows:

log 90.85 + log sin 61°48' = length of line bet.secs. 5 and 8 = 1.958325 + 9.945125 = 1.903450 which corresponds to the distance 80.07 chs.

log 90.85 + log cos 61°48' = log of other leg of triangle,or 1.958325 + 9.674448 = 1.632773 which corresponds to the distance 42.93 chs.

Subdivision of T.42 S., R.9 W.-Continued.

Chains

Now 42.93 - 40.00 = 2.93 =the distance from the true point for cor.of secs.4,5,8,and 9,to the point at which an east line from the witness cor.to cor.of secs.5,6,7,and 8, intersect the line bet.secs.8 and 9.Therefore the falling of the random line N.89°56'E.,bet.secs.5 and 8 would be 16 lks.N.;and the true line bet.secs.5 and 8 would be N.89°57'W.,80.07 chs.

Note:The condition of the line bet.secs.6 and 7 is similar to that of the line bet.secs.5 and 8 ;therefore I place a flag at the witness point to cor.of secs.1,6,7,and 12,on W.bdy.of Tp.,which point is 32.48 chs.North of the true point for cor.of secs.1,6,7,and 12,and I place a flag at the cor.of Tps.41 and 42 S.,Rs.9 and 9½ W. ,and from the witness cor.to cor.of secs.5,6,7,and 8,which is 3.00 chs. S.0°3'E.from the cor.point for cor.of secs.5,6,7,and 8.; I observe said flags as follows:

The south flag bears N.65°30'W. and the north flag bears N.44°19'W.,therefore the angle included between these two lines is 21°11'.Since the west bdy.of Tp.is run north the other acute angle of the triangle is 44°19' and the obtuce angle by subtraction is 114°30'.I therefore calculate the distance from this cor.to the Tp.cor.as follows:

log 44.20 + log sin 114°30' - log sin 21°11' =log dist.

or 1.645422 + 9.959088 - 9.557932= 2.046513 which

Chains

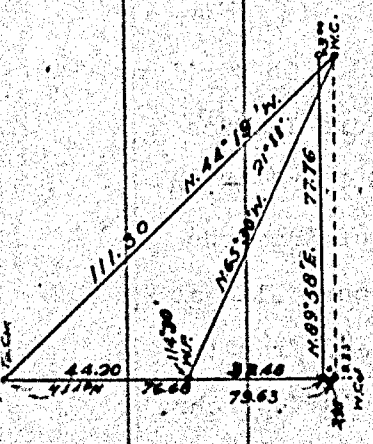
corresponds to 111.30 chs.

Now I assume a right angle triangle of which the distance 111.30 is the hypotenuse;the length of the line bet.secs. 6 and 7 is one leg and the distance from the Tp.cor.to the intersection of the line bet.secs.6 and 7 with the bdy.is the other leg.I solve this triangle as follows:

log 111.30 + log cos 45°41' = 1.890738 which gives 77.76 chs.the length of the line bet.secs.6 and 7.

Also log 111.30 + log sin 45°41' =2.046495 + 9.854603 = 1.901098 = 79.63 chs.=distance from Tp.cor.to a point due west of the witness cor.to cor.of secs.5,6,7,and 8.

79.63 - 76.68 = 2.95 therefore the course of the true line bet.secs.6 and 7 is N.89°58'E.,and the distance is 77.76 chs.



September 15,1909.

GENERAL DESCRIPTION.

This township varies in character from rolling smooth mountains and hills in the south part to rough and rugged canon and gorges in the northern part.The East Fork of the Virgin River runs through the township in the northern part from east to west.This canon is exceptionally rough,and can only be crossed in a few places on foot. Animils can cross in one or two places in secs.11 and 12,however these crossings are very dan-

oaths of my assistants myself.

Scott R Stewart.

U.S.Deputy Surveyor.

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Subdivision of T.42 S.,R.9 W.-Continued.

Chains

erous and seldom used. This canon is about 2000 ft. deeper than the adjoining country. The creek is about 30 lks. wide and 1 ft. deep, at this season of the year, but is a great deal larger earlier in the season. Besides this creek there are a number of small springs in the township, which together furnish sufficient water for watering stock.

Rock Canon Spring, center of sec. 34, not seen from line.

The soil of all the southern part of the township is a sandy loam; 2nd rate, but in the northern part there are so many ledges and rocks that very little soil is to be found.

Cedar, pinon pine and yellow pine timber is pretty generally distributed over the entire township.

There is a dense undergrowth of sage brush over the entire township with the exception of the ledgy country along the River. There is also some oak, service berry, bitter brush, and larb in different parts of the township.

There are no settlers in the township.

There is no mineral in the township.

No indications of oil were seen in the township.

September 15, 1909.

Scott P. Stewart.
U.S. Deputy Surveyor.

Note:
There being no notary public, or other officer authorized to administer oaths, within a reasonable distance at the beginning or ending of the surveys embraced in this contract; therefore, in order to save time and expense I administer the preliminary and final

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by Scott R. Stewart, United States Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the survey of the Subdivisions of T. 44 S. R. 8 W.; T. 43 S. R. 8 W.; T. 44 S. R. 9 W. and T. 42 S. R. 9 W. of the Salt Lake Base and Meridian, Utah; showing the respective capacities in which they acted:

Quimby Stewart, Chainman.
Hillman Dalley, Chainman.
Ren Stewart, Moundman.
Stuart Horsley, Moundman.
Joseph Stevens, Axman.
Shirley C. Horsley, Flagman ~~Axman~~.
, ~~Flagman~~.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted Scott R. Stewart, United States Deputy Surveyor, in surveying all those parts or portions of the Subdivisions of T. 44 S. R. 8 W.; T. 43 S. R. 8 W.; T. 44 S. R. 9 W. and T. 42 S. R. 9 W. of the Salt Lake Base and meridian, State of Utah, which are represented in the foregoing field notes as having been surveyed by him and under his direction; and that said survey 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.

Quimby Stewart, Chainman.
Hillman Dalley, Chainman.
Ren Stewart, Moundman.
Stuart Horsley, Moundman.
Joseph Stevens, Axman.
Shirley C. Horsley, Flagman ~~Axman~~.
, Flagman.

Subscribed and sworn to before me this 15th day of September, 1909.

SEAL

Scott R. Stewart
U. S. Deputy Surveyor.

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FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, Scott P. Stewart, United States Deputy Surveyor solemnly swear that, in pursuance of a contract received from Thomas Hull United States Surveyor General for Utah, bearing date of 17th day of March, 1909, 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, surveyed all those parts or portions of the subdivisions of T. 44 S. R. 8 T. 43 S. R. 8 W.; T. 44 S. R. 9 W.; and T. 42 S. R. 9 W.

of the Salt Lake Base and meridian, in the State of Utah, which are represented i foregoing field notes in books J. L. M. & O. 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 Utah and in the specific manner described in the field notes, and the foregoing are the original field notes of such survey.

Scott P. Stewart
United States Deputy Surv

Subscribed by said Scott P. Stewart, and sworn to before me this 31 day of December, 1909

Thomas Hull
U. S. Surveyor-General
for Utah.

SEAL

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, June 27, 1910.

The foregoing field notes of the survey of the subdivisional lines of Townsh No. 42 South, Range No. 9 West of the Salt Lake Base and Meridian, Utah,

executed by Scott P. Stewart and Frank C. French under his contract No. 308, dated March 17, 1909, having critically examined, and the necessary corrections and explanations made, the said field notes, a surveys they describe, are hereby approved.

Thomas Hu
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 of

United States Surveyor G

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BOOK A-353

A.

JAN 29 1910

FIELD NOTES

OF THE SURVEY OF THE

EIGHTH STANDARD PARALLEL SOUTH

Through

RANGES 11 and 12 WEST

Of the Salt Lake Base and *Meridian,*

Utah

AS SURVEYED BY

Robert H. L. Collier and Ralph Gentry, *United States Deputy Surveyors*

under his Contract No. 215, *dated* March 20, *190* 9.

Survey commenced September 5, *190* 9,

Survey completed September 11, *190* 9.

6—11

NAMES AND DUTIES OF ASSISTANTS.

Ralph Gentry	Chainman.
Frank Cooper,	Chainman.
Norman Cooper,	Chainman.
Carl Cooper,	Chainman.
Jesse Jepson	Moundman.
Jesse Jepson	Axman.
Wm.W.Flanigan,	Axman.
Alfred Johansen,	Flagman.

BOOK A-353

INDEX DIAGRAM.

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Meanders Page .....

6—151

PRELIMINARY OATHS OF ASSISTANTS.

We, Ralph Gentry, Frank Cooper and Norman Cooper and Carl Coo
do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level th
chain upon even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; th
we will report the true distances to all notable objects, and the true lengths of all lines that we assist i
measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey
the Eighth Standard Parallel South, through Rs.11 and 12 W., S.L.B.&
Utah,

Ralph Gentry, Norman Cooper, Chainm
Frank Cooper, Carl Cooper, Chainm

Subscribed and sworn to before me this 5th day of September, 1909.

Robert E. L. Caccia
U.S. Deputy Surveyor.

SEAL

~~We,~~ I, Jesse Jepson and
do solemnly swear that ~~we~~ I will well and truly perform the duties of moundmen in the establishme
of corners, according to the instructions given ~~us~~ me, to the best of ~~our~~ my skill and ability, in the survey
the Eighth Standard Parallel South, through Rs.11 and 12 W., S.L.B.&
Utah.

Jesse Jepson, Moundm
, Moundm

Subscribed and sworn to before me this 5th day of September, 1909.

Robert E. L. Caccia
U.S. Deputy Surveyor.

SEAL

We, Jesse Jepson and Wm. W. Flanigan
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
the Eighth Standard Parallel South, through Rs.11 and 12 W., S.L.B.
Utah,

Jesse Jepson, Axm
Wm. W. Flanigan, Axm

Subscribed and sworn to before me this 5th day of September, 1909.

Robert E. L. Caccia
U.S. Deputy Surveyor.

SEAL

I, Alfred Johansen, do solemnly swear that I will well and tr
perform the duties of flagman according to instructions given me, to the best of my skill and ability, in
survey of the Eighth Standard Parallel South, through Rs.11 and 12 W.,
L.B. and M., Utah.

Alfred Johansen, Flagm

Subscribed and sworn to before me this 5th day of September, 1909.

Robert E. L. Caccia
U.S. Deputy Surveyor.

SEAL

EIGHTH STANDARD PARALLEL SOUTH, THROUGH RANGE 12 WEST.

Survey commenced Sept.5, 1909 and executed with a W.& L.E.Gurley Light Mountain Transit, with solar attachment. The horizontal limb is provided with two double verniers placed opposite to each other reading to single minutes of arc, which is also the least count of the verniers of the latitude and declination arcs.

The instrument was examined, tested on the true meridian at Salt Lake City, found correct and was approved by the Surveyor General for Utah April 29,1909.

The weather being extremely cloudy I abandon the use of the solar and run the standard line by tangent method.

At the standard cor.of Tp.40 S., Rs.12 and 13 W., which is a sandstone 20 x 10 x 10 ins.above ground, marked and witnessed as described by the surveyor general, lat.37° 15'N.; long.113° 11' 39" W., at 8 h. 34 m.p. m.l.m.t.I observe Polaris at eastern elongation, in accordance with Manual of Instructions, and mark the line thus determined by a tack driven in a wooden peg set in the ground 5 chs.N.of my station.

Sept.6: At 7 h. 0 m.a.m.l.m.t.I lay off the azimuth of Polaris 1° 29' to the west, and mark the meridian thus determined by cutting a mark on a stone firmly set in the ground west of the mark established last night; the mag.bearing of the said true meridian is N.16° 45'W.; the angle thus determined gives the mag. decl.16° 45'E.

I destroy all traces of the old Tp.cor.above described, and its place set an iron post, at exact point, 3 ft. long, 3 ins.dia., 24 ins.in the ground, for standard cor.of Tp.40 S., Rs.12 and 13 W., marked on brass cap

T 40 S in N.half,

R 13 W S 36 in NW.

R 12 W S 31 in NE.quadrant; and raise a mound of

Chains.	
	stone 2 1/2 ft.base, 2 ft.high N.of cor.
	I lay off from the meridian an angle of 90° from north to east, and run
	East on the tangent S.of sec.31,
	Descending into Le Verkin Creek,
2.00	West bank of Le Verkin Creek bears N. and S.
2.80	Le Verkin Creek, 15 lks.wide, muddy water, 12 ins.deep, rapid current, rocky bottom, course S. Ascend.
3.70	East bank of Le Verkin Creek and foot of bench bearing N. and S. Ascend abruptly.
8.75	Top of ascent, 120 ft.above creek, bears NW. and S.
	Enter scattering cedar and pinon pine Descend.
14.75	Wash, 15 ft.below top of ascent, 20 lks.wide, 6 ft.deep, course N.75° W.
16.25	Re-cross wash, course S.75° W.
17.00	Re-cross wash, coube NW. Ascend abruptly.
31.50	Ravine, 5 ft.deep, 20 ft.below top of spur, course N.
	Ascend gradually.
	Difference between measurement of 40.00 chs.by two sets of chainmen is 6 lks.; position of middle point,
	By 1st set 40.03 chs.
	By 2d set 39.97 chs.; the mean of which is
40.00	N.0.4 lks.from the tangent,
	Set an iron post 3 ft.long, 1 in.dia.,26 ins.in the ground, for standard 1/4 sec.cor., mkd.on brass cap S 31 1/4 in N.half; from which
	A cedar 10 ins.diam.bears N.58° 50'E. 1.48 chs. dist., marked 1/4 S 31 B T
	No other suitable bearing trees within limits; raise a mound of stone $2\frac{1}{2}$ft.base 2 ft.high N.of cor.
43.75	Top of ascent,25 ft.above ravine,bears N. and S. Desc.
46.50	Ravine,30 ft.below top of ascent,course N. Ascend.
48.00	Top of ascent, 30 ft.above ravine, bears N. and S.
	Descend gradually.

EIGHTH STANDARD PARALLEL SOUTH, THROUGH RANGE 12 WEST.

Chains.	
60.00	Abrupt descent into gulch, over ledges, bearing N. and S.
66.00	Bottom of gulch, 225 ft.below top, course N.15° W.
	Ascend abruptly.
71.50	Top of ascent, 225 ft.above bottom of gulch, bears N. and S.
	Descend gradually.
76.75	Wash, 30 ft.below top of ascent, 10 lks.wide, 4 ft.deep, course N.
	Ascend.
79.00	Top of spur, 40 ft.above wash, bears N. and S.
	Descend.
	Difference between measurement of 80.00 chs.by two sets of chainmen is 12 lks.; position of middle point
	By 1st set 80.06 chs.
	By 2d set 79.94 chs.; the mean of which is
80.00	N.0.8 lks.from tangent,
	Set an iron post 3 ft.long, 3 ins.diam., 24 ins.in the ground,for St.cor.of secs.31 and 32;mkd.on brass cap,
	T 40 S S 31 in NW.
	R 12 W S 32 in NE.quadrant; from which
	A pine, 8 ins.diam.bears N.42° 10'W. 90 lks.dist. marked T 40 S R 12 W S 31 B T
	A pine, 10 ins.dia., bears N.17° 20'E. 2.40 chs. dist., marked T 40 S R 12 W S 32 B T
	Land, mountainous.
	Soil, rocky; 4th rate.
	Timber, scattering cedars and pinon pine.
	Mountainous land 80.00 chs.

S.89° 59'E'on the tangent S.of sec.32,

Over rough mountainous country; through scattering cedar and pinon pine timber; descending.

EIGHTH STANDARD PARALLEL SOUTH, THROUGH RANGE 12 WEST.

Chains.	
6.00	Ravine, 60 ft.below sec.cor., course N.
	Ascend.
9.50	Top of spur, 50 ft.above ravine, projects N.
	Descend.
11.50	Ravine, 30 ft.below spur, course N.
	Ascend.
13.50	Top of spur, 30 ft.above ravine, projects N.
	Descend.
17.00	Ravine, 30 ft.below spur, course N.
	Ascend.
19.50	Top of spur, 30 ft.above ravine, bears N.and S.
	Descend into main gulch.
21.25	Bottom of gulch, 75 ft.below top of spur, course N. 15° W.
	Ascend.
23.75	Top of spur, 30 ft.above bottom of gulch bears N. and S. Descend into gulch.
33.65	Gulch, 10 ft.below spur, course S.75° W.
	Ascend.
37.50	Top of ascent, 20 ft.above bottom of gulch, bears N. and S. Descend.
	Difference between measurement of 40.00 chs.by two sets of chainmen is 8 lks; position of middle point
	By 1st set 39.96 chs.
	By 2d set 40.04 chs.; the mean of which is
40.00	N.1.7 lks.from the tangent,
	Set an iron post 3 ft.long, 1 in.dia., 26 ins.in the ground,for St.$\frac{1}{4}$ sec.cor., marked on brass cap, S 32 1/4 in N.half; from which
	A pine 9 ins.diam.bears N.45° 50'W. 72 lks.dist. marked SC1/4 S 32 B T
	A pine 6 ins.diam.bears N.54° 30'E. 1.94 chs.dist. marked S C 1/4 S 32 B T
40.50	Bottom of gulch, 15 ft.below top of ascent, course NW.

EIGHTH STANDARD PARALLEL SOUTH, THROUGH RANGE 12 WEST.

Chains.	Ascend.
43.75	Top of spur, 45 ft.above bottom of gulch bears S.and N.
	Descend.
44.25	Bottom of gulch 40 ft.below top of spur, course S.75° W.; thence along bottom of gulch.
49.00	Leave gulch Ascend.
53.00	Top of spur, 125 ft.above foot, bears N. and S.
	Descend.
56.50	Ravine, 75 ft.below spur, course N.
	Ascend.
57.75	Top of spur, 75 ft.above ravine bears N. and S.
	Descend.
58.40	Ravine, 75 ft.below spur, course N.15° W.
	Ascend.
64.00	Top of spur, 150 ft.above ravine, bears NW. and SE.
	Descend.
68.80	Ravine, 20 ft.below top of spur, course NW.
	Thence ascend mesa, over W.slope.
	Difference between measurement of 80.00 chs.by two sets of chainmen is 12 lks.; position of middle point
	By 1st set 80.06 chs.
	By 2d set 79.94 chs., the mean of which is
80.00	N.3.1 lks.from the tangent,
	Set an iron post 3 ft.long, 3 ins.dia., 12 ins.in the ground, for standard cor.of secs.32 and 33, marked on brass cap,
	T 40 S S 32 in NW. and
	R 12 W S 33 in NE.quadrant; raise mound of stone 5 ft.base, 12 ins.high around post; impossible to set it 24 ins.in the ground.
	A cedar tree 8 ins.dia., bears N.57° 25'W. 36 lks. dist., mkd.T 40 S R 12 W S 32 B T
	No other bearing trees within limits; raise a mound of stone 2 1/2 ft.base, 2 ft.high N.of cor.Pits impracticable.

EIGHTH STANDARD PARALLEL SOUTH, THROUGH RANGE 12 WEST.

Chains.	Corner stands on W.slope of mountain 400 ft.above ravine.
	Land, mountainous and broken.
	Soil, rocky; 4th rate.
	Timber, scattering cedar and pinon pine.
	Mountainous land 80.00 chs.
	Sept.6, 1909.
	The sky overcast during entire night; Polaris not visible.
	Sept.7:
	S.89° 59'E.on the tangent S.of sec.33,
	Ascending mesa; through scattering timber.
4.17	Top of mesa, 200 ft.above sec.cor., bears N. and S.
	Enter dense timber, bears N. and S.
	Thence over rolling mesa.
11.00	Leave timber, bears N. and S.; enter sagebrush undergrowth.
19.00	Wash 30 lks.wide, 2 ft.deep, course N.15° W.
	Difference between measurement of 40.00 chs.by two sets of chainmen is 2 lks.; position of middle point
	By 1st set 40.01 chs.
	By 2d set 39.99 chs., the mean of which is
40.00	N.4.8 lks. from the tangent
	Set an iron post 3 ft.long, 1 ins.dia., 26 ins.in the ground,for St.$\frac{1}{4}$ sec.cor., marked on brass cap, S 33 1/4 in N.half; dig pits 18 x 18 x 12 ins.E. and W.of post 3 ft.dist., and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft.high N.of cor.
52.00	Enter scrub timber, bears NW. and SE.
68.25	Wash, 20 lks.wide, 8 ft.deep, course SE.
77.00	Foot of spur, bears N. and S.
	Ascend.
79.50	Top of spur, 40 ft.above foot, bears N. and S.

EIGHTH STANDARD PARALLEL SOUTH, THROUGH RANGE 12 WEST.

Chains.	
	Descend.
	Difference between measurement of 80.00 chs.by two sets of chainmen is 4 lks.; position of middle point
	By 1st set 80.02 chs.
	By 2d set 79.98 chs., the mean of which is
80.00	N.6.8 lks.from the tangent,
	Set an iron post 3 ft.long, 3 ins.dia., 24 ins.in the ground, for standard cor.of secs.33 and 34, marked on brass cap,
	T 40 S S 33 in NW., and
	R 12 W S 34 in NE.quadrant; from which
	A pine, 10 ins.diam.bears N.34° 30'W. 32 lks.dist. marked T 40 S R 12 W S 33 B T
	A cedar 6 ins.diam.bears N.61° 15'E. 35 lks.dist. marked T 40 S R 12 W S 34 B T
	Land, mountainous and rolling mesa.
	Soil, rocky and sandy; 3d and 4th rate.
	Timber, scrub cedars and pinon pine.
	Land, covered with dense timber 6.83 chs.
	Mountainous land 7.17 chs.
	S.89° 58'E.on the tangent S.of sec.34,
	Descending spur; through timber.
1.70	Foot of spur, 15 ft.below sec.cor., bears NW. and SE.
	Ascend.
14.50	Top of spur, 75 ft.above foot, bears NE. and SE.
	Descend.
23.25	Foot of spur, 100 ft.below top.
	Wash, 15 lks.wide, 3 ft.deep, course S.
	Ascend.
24.50	Top of ascent, 30 ft.above wash, bears N. and S.
	Descend.

EIGHTH STANDARD PARALLEL SOUTH, THROUGH RANGE 12 WEST.

Chains.	
31.75	Wash, 30 lks.wide, 10 ft.deep, course S.15° W.
	Ascend.
35.00	Top of ascent, 15 ft.above wash, bears N. and S.
	Descend.
38.50	Wash, 50 lks.wide, 10 ft.deep, course SW.
	Ascend.
	Difference between measurement of 40.00 chs.by two sets of chainmen is 4 lks.; position of middle point
	By 1st set 39.98 chs.
	By 2d set 40.02 chs., the mean of which is
40.00	N.9.3 lks.from the tangent,
	Set an iron post 3 ft.long, 1 in.dia., 26 ins.in the ground for St.$\frac{1}{4}$ sec.cor.,mkd.on brass cap S 34 $\frac{1}{4}$ in N.half
	raise mound of stone 2½ ft.base, 2 ft.high N.of cor.
	A cedar 6 ins.dia., bears N.41° 40'E. 53 lks.dist.
	marked S C 1/4 S 34 B T
[illegible]	No other suitable bearing trees within limits.
42.00	Top of ascent, 25 ft.above wash,bears N.& S. Descend.
43.75	Ravine, 20 ft.below top of ascent, course N.
	Ascend.
46.00	Top of spur, 20 ft.above ravine, bears N. and S.
	Descend.
50.50	Wash, 40 lks.wide, 15 ft.deep, course NW.
	Ascend.
61.00	Top of ascent, 40 ft.above wash, bears N.and S.
	Descend.
68.50	Ravine, 40 ft.below top of ascent, course N.60° W.
	Ascend gradually.
77.00	Foot of ridge, bears N. and S.
	Ascend ridge.
	Difference between measurement of 80.00 chs.by two sets of chainmen is 6 lks.; position of middle point
	By 1st set 80.03 chs.
	By 2d set 79.97 chs.; the mean of which is

EIGHTH STANDARD PARALLEL SOUTH, THROUGH RANGE 12 WEST.

Chains.	
80.00	N.12.25 lks.from the tangent,
	Set an iron post 3 ft.long, 3 ins:diam., 18 ins. in the ground, for standard cor.of secs. 34 and 35, marked on brass cap,
	T 40 S S 34 in NW.
	R 12 W S 35 in NE.quadrants; raise amound of stone 2 ft.base,6 ins.high around post; impossible to set it 24 ins.in the ground.
	A pine 8 ins.diam.bears N.72° 35'W. 34 lks.dist. marked T 40 S R 12 W S 34 B T
	A pine 10 ins.diam.bears N.0° 05'E. 60 lks.dist. marked T 40 S R 12 W S 35 B T
	Corner stands on W.slope of ridge, 1000 ft. above foot.
	Land, mountainous.
	Soil, rocky and sandy; 3rd and 4th rate.
	Timber, scrub cedar and pinon pine.
	Mountainous land 80.00 chs.
	Sept.7, 1909: Sky continues overcast during the entire night; Polaris not visible.
	Sept.8:
	S.89° 57'E.on the tangent S.of sec.35,
	Ascending ridge; through scrub timber.
5.50	Top of rapid ascent, 150 ft.above sec.cor., bears N. and S.
	Thence ascend gradually.
12.00	Top of ridge, 250 ft.above sec.cor., bears N. and S.
	Descend.
32.75	Begin rapid descent, bears N. and S.
	Difference between measurement of 40.00 chs.by two sets of chainmen is 4 lks.; position of middle point
	By 1st set 40.02 chs.
	By 2d set 39.98 chs., the mean of which is
40.00	N.15.4 lks.from the tangent,

EIGHTH STANDARD PARALLEL SOUTH, THROUGH RANGE 12 WEST.

Chains. Set an iron post 3 ft.long, 1 in.diam., 26 ins.in the ground,for St.$\frac{1}{4}$ sec.cor.,mkd.on brass cap, S 35 $\frac{1}{4}$ in N. half, raise mound of stone $2\frac{1}{2}$ ft.base,2 ft.high N.of cor.

A pine, 14 ins.dia., bears N.46° W. 19 lks.dist. marked S C 1/S S 35 B T

No other suitable bearing trees within limits.

45.00 Wash 15 lks.wide, 6 ft.deep, course SE. Ascend.

51.00 Top of spur, 20 ft.above foot, bears NW. and SE.

Descend.

70.00 Foot of spur, 100 ft.below top, bears NW. and SE.

Thence over rolling mesa.

77.50 Bank of wash, bears NW. and SE.

Descend.

79.50 Wash, 20 ft.below bank, 10 lks.wide, 2 ft.deep, course SE.

Ascend.

Difference between measurement of 80.00 chs.by two sets of chainmen is 8 lks.; position of middle point

By 1st set 80.04 chs.

By 2d set 79.96 chs., the mean of which is

80.00 N.19.2 lks.from the tangent,

Set an iron post 3 ft.long, 3 ins.diam., 24 ins.in the ground, for standard cor.of secs.35 and 36, marked on brass cap,

T 40 S S 35 in NW.

R 12 W S 36 in NE.quadrant; from which

A pine, 8 ins.diam. bears N.7° 45'W. 40 lks.dist. marked T 40 S R 12 W S 35 B T

A pine, 8 ins.diam.bears N.39° E. 26 lks.dist. marked T 40 S R 12 W S 36 B T

Land, mountainous, and rolling meaa.

Soil, rocky; 4th rate.

Timber, scrub cedar and pinon pine.

Mountainous land 70.00 chs.

EIGHTH STANDARD PARALLEL SOUTH, THROUGH RANGE 12 WEST.

S.89° 57'E.on the tangent S.of sec.36,

Ascending bank of wash;through timber.

1.75 Top of bank of wash, 20 ft.above sec.cor., bears NW. and SE. Descend gradually.

37.00 Foot of descent, 150 ft.below top of wash.

Wash 15 lks.wide, 2 ft.deep, course SE.

Ascend spur.

Difference between measurement of 40.00 chs.by two sets of chainmen is 8 lks.; position of middle point

By 1st set 40.04 chs.

By 2d set 39.96 chs., the mean of which is

40.00 N.23 lks.from the tangent,

On top of spur, 30 ft.above foot, bearing NW. and SE.

Set an iron post 3 ft.long, 1 in.dia., 18 ins.in the ground, with mound of stone 8 ins.high around it, for Stand.$\frac{1}{4}$ sec.cor., marked on brass cap S 36 $\frac{1}{4}$ in N.half; and raise a mound of stone $2\frac{1}{2}$ ft.base, 2 ft. high N.of cor. Impossible to set post 26 ins.in the ground.

A pine 8 ins.dia.bears N.85° 30'W. 30 lks.dist. marked S C $\frac{1}{4}$ S 36 B T

No other bearing trees within limits.

44.25 Foot of spur, 20 ft.below top, and top of mesa, bears N. and S.

Descend abruptly over sandstone ledges; very rough.Timber becomes scattering.

65.00 Foot of mesa, 550 ft.below top, bears NW. and SE. Thence over uneven land.

71.75 Ravine, 5 chs.wide, 40 ft.deep, course SE.

74.00 West bank of Dry Creek, bears S.15° E. Abrupt descent.

75.00 Dry Creek, 50 ft.below bank, 10 lks.wide, clear water, 6 ins.deep, gentle current, sandy bottom, course S. 15° E. Ascend.

78.50 Top of bank, 50 ft.above creek, bears S.15° E.

Chains	
	Descend.
	Difference between measurement of 80.00 chs.by two sets of chainmen is 18 lks.; position of middle point
	By 1st set 79.91 chs.
	By 2d set 80.09 chs., the mean of which is
80.00	N.27.2 lks.from the tangent,
	Set an iron post 3 ft.long, 3 ins.diam., 24 ins.in the ground, for standard cor.of Tps.40 S., Rs.11 and 12 W. marked on brass cap,
	T 40 S in N.half,
	R 12 W S 36 in NW., and
	R 11 W S 31 in NE.quadrant; from which
	A pine 10 ins.dia.bears N.55° 30'E. 1.72 chs.dist. marked T 40 S R 11 W S 31 B T
	No other suitable bearing trees within limits; raise a mound of stone 2½ ft.base, 2 ft.high N.of cor.
	Pits impracticable.
	Land, mountainous; very rough.
	Soil, rocky; 4th rate.
	Timber, scrub cedar and pinon pine.
	Mountainous land, or land heavily timbered 80.00 chs.
	Sept.8, 1909: At this cor., lat.37°.15'N.; long. 113° 05'W., at 8 h. 22 m.p.m.l.m.t., I observe Polaris at eastern elongation, in accordance with instructions in the Manual, and mark the line thus determined by a tack driven in a wooden peg set in the ground 5 chs. N.of my station.
	For general description see notes of the subdivision of this township.

EIGHTH STANDARD PARALLEL SOUTH, THROUGH RANGE 11 WEST.

Chains	
	Sept.9, 1909: At 7 h. 0 m.a.m.l.m.t. I turn off the azimuth of Polaris 1° 29' to the west, and mark the meridian thus determined by cutting a mark on a stone firmly set in the ground, west of the mark established last night, at the standard cor.of Tp.40 S., Rs.11 and 12 W.,heretofore described. The magnetic bearing of said true meridian is N.16 ° 45 ' W., which gives the mag.decl.16 °45 ' E.
	Thence I run
	East on the tangent S.of sec.31,
	Gradually ascending; through scattering timber.
7.00	Foot of mesa, 20 ft.above Tp.cor., bears S.15° E. and N.15° W. Ascend; very rough.
25.63	Top of mesa, 500 ft.above foot bears S.15° E. and N.15° W. Enter dense timber, bears E. and W.
	Thence over rolling mesa.
	Difference between measurement of 40.00 chs.by two sets of chainmen is 8 lks.; position of middle point
	By 1st set 40.04 chs.
	By 2d set 39.96 chs.; the mean of which is
40.00	N.0.4 lks.from the tangent,
	Set an iron post 3 ft.long, 1 in.dia., 26 ins.in the ground,for St.$\frac{1}{4}$ sec.cor.mkd.brass cap,S31$\frac{1}{4}$ in N.half, raise mound of stone 2$\frac{1}{2}$ft.base,2 ft.high N.of cor.
	A cedar, 10 ins.diam. bears N.6 lks.dist., marked S C 1/4 S 31 B T No other trees within limits.
	Timber becomes scattering.
43.75	Top of mesa, bears SE. and N.
	Descend abruptly over ledges; very rough; leave timber.
56.00	Foot of mesa, 500 ft.below top, bears SE. and N.
	Descend gradually over broken uneven ground.
59.50	Descend into ravine, bears NE. and SW.
71.75	Ravine, 40 ft.below foot of mesa, course S.60° W.
	Ascend ridge.
	Difference between measurement of 80.00 chs.by two sets

EIGHTH STANDARD PARALLEL SOUTH, THROUGH RANGE 11 WEST.

Chains.	
	of chainmen is 16 lks.; position of middle point
	By 1st set 80.08 chs.
	By 2d set 79.92 chs.; the mean of which is
80.00	N.0.8 lks.from the tangent,
	Set an iron post 3 ft.long, 3 ins.dia., 24 ins.in the ground, for standard cor.of secs. 31 and 32, marked on brass cap,
	T 40 S S 31 in NW.
	R 11 W S 32 in NE.quadrant; and raise a mound of stone 2 1/2 ft.base, 2 ft.high N.of cor. Pits impracticable.
	Land, mountainous and rolling mesa.
	Soil, rocky; 4th rate.
	Timber, scrub cedars and pinon pine;dense on 18. 12 chs.
	Mountainous land 54.88 chs.
	S.89° 59'E.on the tangent S.of sec.32,
	Ascending ridge.
4.00	Top of ridge, 30 ft.above sec.cor. bears S.70° W. and N.70° E. Descend.
9.50	Foot of ridge, 100 ft.below top, bears SW. and NE.
	Enter cultivated land, bears N.70° E. and S.
27.15	Road bears S.20° W. and N.20° E.
30.00	Cut bank of North Creek, 40 ft.high.
	Perpendicular descent into North Creek.
30.50	North Creek, 20 lks.wide,, 6 ins.deep, clear water, rapid current, rocky bottom course SW.
	Thence along bank of creek.
35.20	Recross North Creek, course N.60° W.
36.00	Top of bank, 20 ft.above North Creek.
	Difference between measurement of 40.00 chs.by two sets of chainmen is 15 lks.; position of middle point
	By 1st set 40.075 chs.

EIGHTH STANDARD PARALLEL SOUTH, THROUGH RANGE 11 WEST.

Chains	
	By 2d set 39.925 chs., the mean of which is
40.00	N.1.7 lks.from tangent;
	Set an iron post 3 ft.long, 1 in.dia., 26 ins.in the ground, for standard $\frac{1}{4}$ sec.cor., marked on brass cap, S 32 $\frac{1}{4}$ in N.half; and raise a mound of stone $2\frac{1}{2}$ ft. base, 2 ft.high N.of cor. Pits impracticable.
46.00	Leave cultivated land, bears NE. and SW.
47.75	North Creek, 25 lks.wide, clear water 3 ins.deep, rapid current, rocky bottom, course SW. Willows and cottonwood along bank of creek; ascend gradually.
55.00	Foot of bench 15 ft.above creek, bears SW. and NE.Enter scattering timber. Ascend bench.
71.00	Top of bench, 150 ft.above foot, bears NE. and SW. Enter dense timber, bears E. and W. Descend gradually.
	Difference between measurement of 80.00 chs.by two sets of chainmen is 20 lks.; position of middle point
	By 1st set 80.10 chs.
	By 2d set 79.90 chs.; the mean of which is
80.00	N.3.1 lks.from tangent,
	Set an iron post 3 ft.long, 3 ins.dia., 12 ins.in the ground, for standard cor.of secs.32 and 33;raise a mound of stone 12 ins.high around post; impossible to set it 24 ins.in the ground. Marked brass cap,
	T 40 S S 32 in NW.
	R 11 W S 33 in NE.quadrants; from which
	A pine 10 ins.dia.bears N.30° 15'W. 67 lks.dist. marked T 40 S R 11 W S 32 B T
	A cedar 12 ins.diam.bears N.75° 45'E. 82 lks.dist. marked T 40 S R 11 W S 33 B T
	Land, mountainous and level.
	Soil, sandy loam and rocky; 2d and 4th rate.
	Timber, scrub cedars and pinon pine, and some cottonwood along North Creek.

Chains.	Undergrowth few willows along creek.
	Mountaincus land 34.50 chs.
	Sept.9: Sky overcast, Polaris not visible.
	Sept.10:
	S.89° 59'E.on the tangent S.of sec.33,
	Over rolling bench; through timber.
6.50	Wash, 20 ft.below cor., 25 lks.wide, 3 ft.deep, course N. Ascend gradually.
9.25	Top of ascent, 15 ft.above wash, bears N. and S.Descend.
32.50	Wash, 30 ft.below top of ascent, 40 lks.wide, 4 ft. deep, course N. Ascend.
	Difference between measurement of 40.00 chs.by two sets of chainmen is 6 lks.; position of middle point
	By 1st set 39.97 chs.
	By 2d set 40.03 chs.; the mean of which is
40.00	N.4.8 lks.from the tangent,
	Set an iron post 3 ft.long, 1 in.dia., 26 ins.in the ground, for stand ¼ sec.cor., marked on brass cap, S 33 ¼ in N.half; and raise a mound of stone 2½ ft.base, 2 ft.high N.of cor.
	A cedar 8 ins.dia.bears N.2° 20'W. 2.10 chs.dist. marked S C ¼ S 33 B T
	No other bearing trees suitable to mark within limit.
67.00	Descend into ravine, bears NW. and SE.
71.25	Ravine 50 ft.below top, course NW.
	Ascend.
	Difference between measurement of 80.00 chs.by two sets of chainmen is 10 lks.; position of middle point
	By 1st set 80.05 chs.
	By 2d set 79.95 chs., the mean of which is

EIGHTH STANDARD PARALLEL SOUTH THROUGH RANGE 11 WEST.

Chains.	
80.00	N.6.8 lks.from tan.
	Set an iron post 3 ft.long, 3 ins.dia., 24 ins.in the ground, for standard cor.of secs.33 and 34, marked on brass cap,
	T 40 S S 33 in NW.
	R 11 W S 34 in NE.quadrant; from which
	A pine 8 ins.dia., bears N.25° 30'W.60 lks.dist. marked T 40 S R 11 W S 33 B T
	A pine 8 ins.diam.bears N.63° 45'E. 32 lks.dist. marked T 40 S R 11 W S 34 B T
	Corner stands on E.side of ravine 50 ft.above bottom.
	Land, rolling bench.
	Soil, rocky; 4th rate.
	Timber, scrub cedar and pinon pine.
	S.89° 58'E. on the tangent S.of sec.34,
	Ascending out of ravine.
2.40	Top of ravine, 15 ft.above cor. bears N. and S.
	Thence ascend mountain bearing N. and S.
10.00	At this point I leave a flag, set on the tangent.
29.50	Foot of cliffs 700 ft.above sec.cor., across which it is impossible to chain.
	I return to the flag set at 10 chs., point for triangulation. To determine the distance on top of cliffs I set a flag on line on top of cliffs, then measure a base N.0° 02'E. 20.00 chs. to a point, from which the flag bears S.51° 52'E.; from the flag the N.end of base bears N.51° 52'W.; therefore the dist. is tan. 51° 54' x base, or 1.275 x 20.00 equals 25.50, which added to 10.00 chs. makes
35.50	Top of cliffs 950 ft.above sec.cor., bears N.10° E. and S.10° W.
	Ascend over sandstone surface.

25.50

Chains.	
37.50	Top of ascent, 10 ft.above flag.
	Descend abruptly.
	Difference between measurement of 40.00 chs. by two sets of chainmen is 6 lks.; position of middle point
	By 1st set 39.97 chs.
	By 2d set 40.03 chs., the mean of which is
40.00	N.9.3 lks.from the tangent,
	Set an iron post 3 ft.long, 1 in.dia., 26 ins.in the ground, for standard 1/4 sec.cor., marked on brass cap, S 34 1/4 in N.half; from which
	A pine 7 ins.diam., bears N.24° W. 6 lks.dist. marked S C 1/4 S 34 B T
	A pine, 6 ins.diam.bears N.80° E. 30 lks.dist. marked S C 1/4 S 34 B T
	Sept.10, 1909.
	Sky overcast during the entire night, Polaris not visible.
	Sept.11:
	I continue descent over very rough mountain; sandstone surface.
76.00	Bank of gulch, 250 ft.below 1/4 sec.cor. bears N.25° E. and S.25° W. Descend.
79.50	Bottom of gulch, 125 ft.below bank, course N.25° E.
	Ascend.
80.00	Point for standard sec.cor.falls on ledge of sandstone; impossible to set cor.
	Land, mountainous
	Soil, rocky; 4th rate.
	Timber, cedar and pinon pine.
	Mountainous land 80.00 chs.

S.89° 57'E.on the tangent S.of sec.35,

Ascending over sandstone surface;scattering timber.

EIGHTH STANDARD PARALLEL SOUTH, THROUGH RANGE 11 WEST.

Chains.	
1.50	Top of bank of gulch, 125 ft.above bottom, bears N.25° E. and S.25° W.
	Ascend over very rough sandstone surface.
3.75	Top of butte bears S.25° W. 2 chs. and N.75° E. 50 lks. 40 ft.above bank of gulch. Descend.
4.50	Foot of butte, 60 ft.below top. Descend.
5.47	N.12.25 lks.from the tangent,
	This being the most available point for perpetuating a witness corner; but almost inaccessible; therefore it being impracticable to carry the iron post to the point, I
	Set a sandstone 16 x 16 x 7 ins., 12 ins.in the ground for witnes cor.to standard cor.of secs. 34 and 35, marked with 4 grooves on W. and 2 grooves on E.face, W C S C on N.face; from which
	A cedar 12 ins.diam.bears N.76° W. 54 lks.dist. marked W C T 40 S R 11 W S 35 B T
	A cedar 6 ins.diam.bears N.80° E. 6 lks.dist. marked W C T 40 S R 11 W S 35 B T
5.60	Descend into gulch.
9.30	Bottom of gulch 175 ft.below witness cor., course N.15° W. Ascend.
14.35	Top of bank of gulch, 180 ft.above bottom bears S.15° E. and N.15° W.
	Thence ascend over very rough and broken mountain.
	Difference between measurement of 40.00 chs.by two sets of chainmen is 12 lks.; position of middle point
	By 1st set 40.06 chs.
	By 2d set 39.94 chs.; the mean of which is
40.00	N.15.4 lks.from the tangent,
	Set an iron post 3 ft.long, 1 in.dia., 26 ins.in the ground, for standard 1/4 sec.cor., marked on brass cap, S 35 1/4; in N.half; from which
	A cedar 9 ins.dia.bears N.27° E. 37 lks.dist. marked S C 1/4 S 35 B T

EIGHTH STANDARD PARALLEL SOUTH, THROUGH RANGE 11 WEST.

Chains. No other suitable bearing trees within limits; raise a mound of stone 3 1/2 ft.base, 2 ft.high N.of cor.

Corner stands on N.slope of mountain, 125 ft.above top of gulch.

63.30 Foot of impassable cliffs bear N.35° E. and S.35° W., 150 ft.above 1/4 sec.cor.

Difference between measurement of 63.30 chs.by two sets of chainmen is 16 lks.; position of middle point

By 1st set 63.38 chs.

By 2d set 63.22 chs., the mean of which is

63.30 N.19.2 lks.from the tang.

Set a sandstone 16 x 12 x 6 ins., 11 ins.in the ground for witness cor.to standard cor.of secs.35 and 36, marked 1 groove on E. and 5 grooves on W.face, W C S C on N.face; and raise a mound of stone 2 1/2 ft.base, 2 ft.high N.of cor.

The point being almost inaccessible it was not practicable to carry and set post cor.at this point.

The cliffs are about 300 ft.high and nearly perpendicular; and there being no known way to get on them; I therefore am compelled to abandon my line at this point.

Land, mountainous.

Soil, rocky;4th rate.

Timber, cedar.

Mountainous land 63.30 chs. Sept.11, 1909.

For general description see notes of the subdivision of this township.

Robert A. Gillard

U.S.Deputy Surveyor.

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by Robert E.L.Collier, United States Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the survey of the Eighth Standard Parallel South, through Rs.11 and 12 W., S.L.B.& M.,Utah, showing the respective capacities in which they acted:

Ralph Gentry, Frank Cooper, *Chainmen.*
Norman Cooper, Carl Cooper, *Chainmen.*
Jesse Jepson, *Moundman.*
Jesse Jepson, ~~*Moundman.*~~ *Axman*
Wm.W.Flanigan, *Axman.*
, *Axman.*
Alfred Johansen, *Flagman.*

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted Robert E.L.Collier, United States Deputy Surveyor, in surveying all those parts or portions of the Eighth Standard Parallel South, through Ranges 11 and 12 West, 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.

Ralph Gentry, Norman Cooper, *Chainmen.*
Frank Cooper, Carl Cooper, *Chainmen.*
Jesse Jepson, *Moundman.*
, *Moundman.*
Jesse Jepson, Wm. W. Flanigan, *Axmen.*
, *Axman.*
Alfred Johansen, *Flagman.*

Subscribed and sworn to before me this 23d day of December, 1909.

SEAL

Robert E.L. Collier
U.S. Deputy Surveyor.

BOOK A-353

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, Robert E.L.Collier, United States Deputy Surveyo
solemnly swear that, in pursuance of a contract received from Thomas Hull
United States Surveyor General for Utah, bearing date o
20 day of March, 19 09, I have well, faithfully, and truly, in my
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 o
United States, surveyed all those parts or portions of the Eighth Standard Parallel
South, through Ranges 11 and 12 West
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 survey have been established and perpetuated in strict accordanc
the Manual of Surveying Instructions, and the special written instructions of the United States Sur
General for Utah and in the specific manner described in the field notes, an
the foregoing are the original field notes of such survey.

Robert E.L. Collier
United States Deputy Sur

Subscribed by said Robert E.L.Collier, and sworn to before me
this 9th day of February, 19 10.

Thomas Hull
U.S.Surveyor-General
for Utah.

SEAL

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, June 9,

The foregoing field notes of the survey of the Eighth Standard Parallel Sout
through Ranges 11 and 12 West of the Salt Lake Base and Meridian,
Utah,

executed by Robert E.L.Collier and Ralph Gentry
under their contract No. 310, dated March 20, 1909, havin
critically examined, and the necessary corrections and explanations made, the said field notes, a
surveys they describe, are hereby approved.

Thomas Hull
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 o

United States Surveyor G

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BOOK A-353

B. √

FIELD NOTES

OF THE ~~SURVEY OF THE~~

RETRACEMENT AND RESURVEY

O F

SOUTH BOUNDARY

AND

FRACTIONAL EAST AND WEST BOUNDARIES

O F

TOWNSHIP NO. 41 SOUTH

RANGE NO. 12 WEST

Of the SALT LAKE BASE AND *Meridian,*

U T A H,

AS SURVEYED BY

Robert E.L.Collier and Ralph Gentry, *United States Deputy Surveyors,*

Under ~~his~~ their *Contract No.* 310, *dated* March 20, *1909,*

Retracement and Re-Survey commenced Sept.12, *1909.*

Retracement and Re-Survey completed Sept.21, *1909.*

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NAMES AND DUTIES OF ASSISTANTS.

Norman Cooper,	Chainman.
Alfred Johansen	Chainman.
Osro Demill	Moundman and Axman.
Robert T.Collier,	Flagman.

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BOOK A-353

INDEX DIAGRAM.

Township 41 South, *Range* 12 West

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PRELIMINARY OATHS OF ASSISTANTS.

We, Norman Cooper and Alfred Johansen 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 [illegible] we will report the true distances to all notable objects, and the true lengths of all lines that we [illegible] measuring, to the best of our skill and ability, and in accordance with instructions given us, in the retracement and resurvey S.E. and W.Bdys. T.41 S. R. 12 W. and S.[illegible] T.41 S., R. 11 W. of the S.L.B.& M., Utah.

Norman Cooper
Alfred Johansen

Subscribed and sworn to before me this 5th day of September 1909.

Robert E. L. Collier
U.S. Deputy Surveyor.

I, Oscar Demill and do solemnly swear that I will well and truly perform the duties of mounduan in the establishment of corners, according to the instructions given me, to the best of my skill and ability, in the retracement and resurvey S., E., and W.Bdys. T. 41 S., R. 12 W. and S.Bdy. T.41 S., R. 11 W. of the S.L. B.and M., Utah.

Oscar Demill

Subscribed and sworn to before me this 5th day of September 1909.

Robert E. L. Collier
U.S. Deputy Surveyor.

I, Oscar Demill and do solemnly swear that I will well and truly perform the duties of axman in the establishment of corners and other duties, according to instructions given me, to the best of my skill and ability, in the retracement and resurvey of S.E. and W.Bdys. T.41 S.R.12 W., and S.Bdy. T.41 S., R. 11 W. of the Salt Lake Base and Meridian, Utah.

Oscar Demill

Subscribed and sworn to before me this 5th day of September 1909.

Robert E. L. Collier
U.S. Deputy Surveyor.

I, Robert T. Collier do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the retracement and resurvey of S., E., and W.Bdys. T.41 S., R. 12 W. and S.Bdy. T.41 S., R. 11 W. of the Salt Lake Base and Meridian, Utah.

Robert T. Collier

Subscribed and sworn to before me this 5th day of September 1909.

Robert E. L. Collier
U.S. Deputy Surveyor.

RETRACEMENT OF SOUTH BOUNDARY T. 41 S., R. 12 WEST.

Chains.

Survey commenced Sept.12, 1909, and executed with the instrument described in book "A" of this survey.

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

At the cor.of secs.25,30,31, and 36 on E.bdy.of Tp. 41 S., R. 12 W., which is a sandstone 6 x 16 x 4 ins. above ground, marked and witnessed as described by the surveyor general; lat.37°12'31"N; long.113° 05' 10" W., I set off 37° 12'N.on lat.arc; 4° 10'N.on decl.arc; and at 3 h. 56 m.p.m.l.m.t.determine with the solar a meridian and mark a point thereof on a peg driven in the ground 5 chs.N.of the cor.

At 8 h. 06 m.p.m.l.m.t.I observe Polaris at eastern elongation, in accordance with Manual of Instructions and mark a point in the line thus determined, on a peg driven in the ground 5 chs.N.of my station.

Sept.12, 1909.

Sept.13: At 7 h. 00 m.a.m.l.m.t.I lay off the azimuth of Polaris 1° 29' to the west, and mark the meridian thus determined by cutting a small groove in the peg set last night, on which the meridian falls 0.5 ins. E.of the mark determined by the solar.

At 7 h. 26 m.a.m.l.m.t.I set off 37° 12'N.on the lat. arc; 3° 56'N.on the decl.arc; and mark a point in the meridian determined with the solar by a cross on the peg already set 5 chs.N.of my station; this mark falls 0.4 ins.N.of the meridian established by the Polaris observation.

Chains. The solar apparatus by p.m.and a.m.observations defines positions for meridians respectively about 0' 26" W. and 0' 21" E.of the meridian established by the Polaris observations; therefore I conclude that the adjustments of the instrument are satisfactory.

The magnetic bearing of the true meridian at 7 h. 30 m. a.m.is N.16° 45'W.; the angle thus determined gives the mag.decl.16° 45'E.

I destroy all trace of the cor.of secs.25,30,31, and 36, above described, and in the exact place,

Set an iron post 3 ft.long, 3 ins.dia., 24 ins.in the ground, for re-established cor.of secs.25,30,31, and 36, marked on brass cap,

T 41 S in N.half,

R 12 W S 25 in NW.

R 11 W S 30 in NE.

S 31 in SE., and

S 36 in SW.quadrant; and raise a mound of stone 2 1/2 ft.base, 2 ft.high W.of cor.

Thence I run

South on a random line bet.secs.31 and 36,

40.00 Set temp. 1/4 sec.cor.

80.00 Set temp. cor.of Tps.41 and 42 S., Rs.11 and 12 W.

Thence I run

West on a random line along S.bdy.of Tp., setting temp. 1/4 and sec.cors.at intervals of 40 chs.; and at 200 chs.make diligent search but find no trace of the old 1/4 sec.cor. bet.secs.3 and 34; I continue my line west, and at 243.39 chs. intersect N. and S.line 97 lks.N.of the cor.of secs.3,4,33, and 34, which is a soapstone 16 x 14 x 5 ins. above ground, marked and witnessed as described by the surveyor general.

I destroy all trace of the old cor., and in its place

Set an iron post 3 ft.long, 3 ins.dia., 24 ins.in the

RETRACEMENT OF SOUTH BDY.T. 41 S., R. 12 W.

Chains. ground, for re-established cor.of secs.3,4,33, and 34, marked on brass cap,

T 41 S R 12 W in N.half,

T 42 S in S.half,

S 33 in NW., S 34 in NE.

S 3 in SE., and S 4 in SW.quadrants; and raise a mound of stone 2 1/2 ft.base, 2 ft.high W.of cor.

The falling answers to a correction of 0° 14', or 32.3 lks.S.per mile, counting from the SE.cor.of the Tp.

Sept.13, 1909.

Sky overcast during the noon hour; observation for lat. impossible.

Sept.14: At 7 h. 26 m.a.m.l.m.t.I set off 37° 12'N.on lat.arc, ,3° 33'N.on decl.arc; and determine a meridian with the solar at the cor.of secs.3,4,33, and 34.

Having found no trace of any corners on the S.bdy.of this township, except the old cor.of secs.3,4,33, and 34, above described, and that being out of limit in distance I conclude to retrace the remainder of the S.bdy.

Thence I run

West bet.secs.4 and 33,

40.00 Fall 11 lks.N.of the old 1/4 sec.cor., which is a stone, 20 x 10 x 3 ins.above ground, with markings almost obliterated. I destroy all trace of the old cor., and in the exact place,

Set an iron post 3 ft.long, 1 in.dia., 26 ins.in the ground, for 1/4 sec.cor., marked on brass cap, 1/4 S 33 in N.half, and raise a mound of stone 2½ ft.base, 2 ft.high N.of cor.

[illegible] The course of this half-mile is therefore S.89° 50'W.

RETRACEMENT OF S.BDY.OF T. 41 S., R. 12 W.

Chains	
80.03	Fall 23 lks.N.of the old cor.of secs.4,5,32, and 33, which is a soapstone 12 x 12 x 3 ins.aboveground, firmly set and marked and witnessed as described by the surveyor general. The course of this half-mile is therefore S.89° 50'W. and distance 40.03 chs.
	I continue my line west bet.secs.5 and 32,
40.86	Fall 11 lks. S. of the old 1/4 sec.cor., which is a sandstone 24 x 12 x 2 ins.above ground, not firmly set, and with marks almost obliterated. I destroy all trace of this old 1/4 sec.cor., and in its exact place Set an iron post 3 ft.long, 1 in.dia., 26 ins.in the ground, for re-established 1/4 sec.cor., marked on brass cap, 1/4 S 32 in N.half; and raise a mound of stone 2½ ft.base, 2 ft.high N.of cor.
81.45	Fall 24 lks.S.of the old cor.of secs.5,6,31, and 32, which is a sandstone 20 x 12 x 2 ins.above ground, firmly set and marked and witnessed as described by the surveyor general. The course of this line is therefore N.89° 50'W. and distance 81.45 chs.
	I continue my line west bet.secs.6 and 31,
40.22	Fall 12 lks. S. of the old 1/4 sec.cor., which is nearly obliterated, I destroyed all traces of it and in the exact place, Set an iron post 3 ft.long, 1 in.dia., 26 ins.in the ground, for re-established 1/4 sec.cor. marked on brass cap, 1/4 S 31 in N.half, and raise a mound of stone 2½ ft.base, 2 ft.high N.of cor.

RETRACEMENT OF S.BDY.OF T. 41 S., R. 12 W.

Chains.	
80.65	Fall 24 lks. S. of the old cor.of Tps.41 and 42 S., Rs. 12 and 13 W., which is a sandstone 10 x 6 x 4 ins. above ground, firmly set and marked and witnessed as desccibed by the surveyor general.
	The course of this mile is therefore N.89° 50'W. and distance 80.65 chs.
	Sept.14, 1909.
	Sky overcast during the noon hour, observation for latitude impossible.
	RESURVEY OF SOUTH BOUNDARY T.41 S., R. 12 W.
	Sept.15, 1909: At 7 h. 26 m.a.m.l.m.t.I set off 37° 12' N.on the lat.arc; 3° 10'N.on the decl.arc; and determine a meridian with the solar at the cor.of secs.3, 4,33, and 34, heretofore described.
	Thence I run
	N.89° 46'E.on true resurvey line bet.secs.3 and 34,
	Over nearly level land, through shadscale undergrowth.
17.70	Wash, 1 ch.wide, 4 ft.deep, course N.15° E.
37.00	Descend into wash, bears N. and S.
39.25	Wash, 30 ft.below bank, 50 lks.wide, 2 ft.deep, course N.20° E. Ascend.
43.39	Set an iron post 3 ft.long, 1 in.diam., 26 ins.in the ground, for 1/4 sec.cor marked on brass cap, 1/4 S 34 in N.half, S 3 in S.half, and raise a mound of stone 2 ft.base, 1 1/2 ft.high N.of cor. Pits impracticable.
44.00	Road, 20 ft.above wash, bears N. and S.
57.60	Wash, 3 chs. wide, 8 ft.deep, course N.
	Thence over broken land.
83.39	Set an iron post 3 ft.long, 3 ins.dia., 24 ins.in the ground, for cor.of secs.2,3,34, and 35, marked on brass cap,

RESURVEY OF SOUTH BOUNDARY T. 41 S., R. 12 W.

Chains.	
	T 41 S R 12 W in N.half, T 42 S in S.half, S 34 in NW., S 35 in NE. S 2 in SE., and S 3 in SW.quadrants; and raise a mound of stone 2 1/2 ft.base, 2 ft.high W.of cor. Land, nearly level and broken. Soil, sandy and rocky; 3d and 4th rate. Undergrowth shadscale. No timber.
	N.89°46'E.on true resurvey line bet.secs.2 and 35 Over broken land; through shadscale undergrowth.
4.00	Wash, 30 lks.wide, 3 ft.deep, course N.
12.60	Wash, 50 lks.wide, 10 ft.deep, course N.
40.00	Set an iron post 3 ft.long, 1 in.dia., 26 ins.in the ground, for 1/4 sec.cor., marked on brass cap, 1/4 S 35 in N.half, S 2 in S.half; and raise a mound of stone 2 ft.base, 1 1/2 ft.high N.of cor. Pits impracticable.
62'20	Wash, 30 lks.wide, 4 ft.deep, course N. Ascend sandstone spur.
78.60	Top of spur, 50 ft.above foot, bears N.4 chs. Descend. Point for sec.cor.falls in wash, where it will be impossible to perpetuate a corner; therefore at
79.70	Set an iron post 3 ft.long, 3 ins.diam.24 ins.in the ground, for witness cor.to cor.of secs.1,2,35, and 36, marked on brass cap, W C in W. T 41 S R 12 W in N.half, T 42 S in S.half, S 35 in NW., S 36 in NE., S 1 in SE., and S 2 in SW.quadrants; and raise a mound of stone 2 1/2 ft.base, 2 ft.high W.of cor.
80.00	Point for cor.of secs.1,2,35 and 36;cor.not set.

RESURVEY OF SOUTH BOUNDARY T. 41 S., R. 12 W.

Chains	
	Land, broken and mountainous.
	Soil, rocky; 4th rate.
	No timber. Undergrowth, shadscale.
	Mountainous land 17.50 chs.
	N.89° 46'E.on true resurvey line bet.secs.1 and 36
	Ascending rough sandstone mountain; over series of ledges.
26.80	Top of mountain, 700 ft.above sec.cor., bears N. and S.
	Enter scattering timber.
	Thence over rolling land.
40.00	Set an iron post 3 ft.long, 1 in.dia., 26 ins.in the ground, for 1/4 sec.cor., marked on brass cap, 1/4 S 36 in N.half, S 1 in S.half; and raise a mound of stone 2 1/2 ft.base, 2 ft.high N.of cor.
46.90	Abrupt descent over E.slope of mountain; very rough; leave timber.
80.00	Set an iron post 3 ft.long, 3 ins.dia., 24 ins.in the ground, for cor.of Tps.41 and 42 S., Rs.11 and 12 W. marked on brass cap,
	T 41 S in N.half,
	T 42 S in S.half,
	R 12 W S 36 in NW.
	R 11 W S 31 in NE.
	S 6 R 11 W in SE.,
	S 1 R 12 W in SW.quadrants; and raise a mound of stone 2 1/2 ft.base, 2 ft.high S.of cor.
	Cor.standa on E.slope of mountain, 400 ft.below top.
	Land, mountainous and rolling.
	Soil,rocky; 4th rate.
	Timber, scattering cedars.
	Mountainous land 59.90 chs.
	I destroy all trace of temporary corner.

RESURVEY OF SOUTH BOUNDARY T. 41 S., R. 12 W.

For general description see notes of the subdivision of this township.

Robert E. R. Allred

U.S.Deputy Surveyor.

Sept.15, 1909.

Volume
#
R0353

RETRACEMENT EAST BOUNDARY T. 41 S., R. 12 W.

Survey commenced Sept.18, 1909, and executed with the instrument described in book "A" of this survey.

At 7 h. 24 m.a.m.l.m.t.I set off 37° 15'N.on lat.arc; 2° 01'N.on decl.arc; and determine a meridian with the solar at the cor.of secs.1,6,7, and 12, reestablished by me and heretofore described.

Thence I run

North bet.secs.1 and 6

40.56 Fall 19 lks.W.of the old 1/4 sec.cor., which is a sandstone 12 x 12 x 10 ins.above ground, marked and witnessed as described by the surveyor general.

I destroy all traces of this old 1/4 sec.cor., and the exact place,

Set an iron post 3 ft.long, 1 in.dia., 26 ins.in the ground, for re-established 1/4 sec.cor., marked on brass cap, 1/4 S 1 in W.half, S 6 in E.half; and raise a mound of stone 2 1/2 ft.base, 2 ft.high W.of cor.

The course of this line is therefore N.0° 16'E. and distance 40.56 chs.

Sept.18, 1909.

Robert E. L. Cecil

U.S.Deputy Surveyor.

For general description see notes of the subdivision of this township.

RETRACEMENT WEST BOUNDARY T. 41 S., R. 12 W.

Chains. Sept.21, 1909:

From the cor.of secs. 24 and 25, on W.bdy.of Tp., heretofore described, I retrace

N.0° 07'W.bet.secs.19 and 24,

40.04 Fall 24 lks.W.of the old 1/4 sec.cor.which is a limestone 18x14x3½ ins. above ground, marked and witnessed as described by the surveyor general,

80.00 Fall 48 lks.W.of the cor.of secs.13,18,19, and 24, which is a sandstone 16 x 8 x 6 ins.above ground, marked and witnessed as described by the surveyor general.

The course of this line is therefore N.0° 14'E., and distance 80.00 chs.

Robert E. R. Collins

U.S.Deputy Surveyor.

Sept.21, 1909.

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:

Joseph Hardy ....., *Chainman.*

or list of names and final oath of assistants see book "F" ....., *Chainman.*

T. 41 S., R. 11 W. ....., *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 .....

....., *Chainman.*

....., *Chainman.*

....., *Moundman.*

....., *Moundman.*

....., *Axman.*

....., *Axman.*

....., *Flagman.*

.....

ubscribed and sworn to before me this .....
day of ....., 19

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 ....., 19 , I have well, faithfully, and truly, in my proper person, and in strict conformity with the instructions furnished by the United States Surv General for ....., the Manual of Surveying Instructions, and the laws of United States, surveyed all those parts or portions of .....

For final oath of deputy see book "F" T. 41 S., R. 11 W.

..... of the ..... meridian, in the ..... of ....., which are represented i 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.

United States Deputy Surv

Subscribed by said ....., and sworn to before me this ..... day of ....., 19

SEAL

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, June 9, 1

The foregoing field notes of the ~~survey of~~ retracement and resurvey of the So and fractional East and West Boundaries of Township No.41 South, Range No.12 West of the Salt Lake Base and Meridian, Utah,

executed by Robert E.L.Collier and Ralph Gentry under ~~his~~ their contract No. 310, dated March 20, 1909, having critically examined, and the necessary corrections and explanations made, the said field notes, and ~~surveys~~ retracements and resurveys they describe, are hereby approved.

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 offi

United States Surveyor Gen

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Page

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4—679.

BOOK A-353

C.

FIELD NOTES

OF THE SURVEY OF THE

EAST BOUNDARY

O F

TOWNSHIP 41 SOUTH,

RANGE 12 WEST

Of the SALT LAKE BASE AND *Meridian,*

U T A H,

AS SURVEYED BY

Robert E.L.Collier and Ralph Gentry, *United States Deputy Surveyors,*

Under ~~his~~ their *Contract No.* 310, *dated* March 20, *1909*

Survey commenced September 16, *190 9,*

Survey completed September 18, *190 9.*

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BOOK A-353

NAMES AND DUTIES OF ASSISTANTS.

Norman Cooper,	Chainman.
Alfred Johansen	Chainman.
Ozro Demill,	Moundman and Axman.
Robert T.Collier,	Flagman.

BOOK A-353

INDEX DIAGRAM.

Township 41 South, *Range* 12 West

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Meanders Page .....

PRELIMINARY OATHS OF ASSISTANTS.

We, Norman Cooper and Alfred Johansen

do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level th chain upon even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; tha we will report the true distances to all notable objects, and the true lengths of all lines that we assist i measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey o S. and E.Bdys.Tps.41 and 42 S., Rs.11 and 12 W.; E.Bdys.Tps.43 S., Rs 11 and 12 W.; and the N.and E.Bdys.of T. 43 S., R. 10 W.of the S.L.B.& M.,Utah.

Norman Cooper, Chainman

Alfred Johansen, Chainman

Subscribed and sworn to before me this 5th day of September, 1909.

Robert E.L. Collier

SEAL

U.S.Deputy Surveyor.

~~We,~~ I, Ozro Demill ~~and~~

do solemnly swear that ~~we~~ I will well and truly perform the duties of moundmen 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 S. and E.Bdys.Tps.41 and 42 S., Rs.11 and 12 W.; E,Bdys.Tps.43 S., Rs 11 and 12 W.; and the N.and E.Bdys.of T. 43 S., R. 10 W. of the Salt Lake Base and Meridian, Utah.

Ozro Demill, Moundman

, Moundman

Subscribed and sworn to before me this 5th day of September, 1909.

Robert E.L. Collier

SEAL

U.S.Deputy Surveyor.

~~We,~~ I, Ozro Demill ~~and~~

do solemnly swear that ~~we~~ I will well and truly perform the duties of axmen in the establishment of corner and other duties, according to instructions given ~~us~~ me, to the best of ~~our~~ my skill and ability, in the survey o S. and E.Bdys.Tps.41 and 42 S., Rs.11 and 12 W.; E.Bdys.Tps.43 S., Rs 11 and 12 W.; and the N. and E.Bdys.of T.43 S., R. 10 W.of the S.L.B. & M.,Utah.

Ozro Demill, Axman

, Axman

Subscribed and sworn to before me this 5th day of September, 1909.

Robert E.L. Collier

SEAL

U.S.Deputy Surveyor.

I, Robert T.Collier, 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 the S. and E.Bdys.Tps.41 and 42 S., Rs.11 and 12 W.; E.Bdys.Tps survey of 43 S., Rs.11 and 12 W.; and the N. and E.Bdys.of T. 43 S., R. 10 W.of the S.L.B.& M.,Utah.

Robert T. Collier, Flagman

Subscribed and sworn to before me this 5th day of September, 1909.

Robert E.L. Collier

SEAL

U.S.Deputy Surveyor.

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EAST BOUNDARY T. 41 S., R. 12 W.

Chains.	
	Survey commenced Sept.16, 1909, and executed with the instrument described in book "A" of this survey.
	At 7 h. 25 m.a.m.l.m.t.I set off 37° 10'N.on lat.arc; 2° 47'. N.on decl.arc; and determine a meridian with the solar at the cor.of Tps.41 and 42 S., Rs.11 and 12 W., heretofore described.
	Thence I run
	North bet.secs.31 and 36,
	Ascending along spur.
4.00	Top of spur, 50 ft.above Tp.cor. projects SE.
	Descend, over very rough and broken land.
10.50	Foot of descent, 75 ft.below top of spur.
	Ascend.
12.50	Top of spur, 50 ft.above foot, projects E. 2 chs.
	Descend.
16.25	Foot of spur, 100 ft.below top,
	Wash, 25 lks.wide, 4 ft deep, course E.
	Descend over very rough broken country, over small ridges and ravines.
28.50	Wash, 20 lks.wide, 3 ft.deep, course E.
	Ascend.
29.50	Top of spur, 50 ft.above wash, projects E.3 chs.
	Descend over rough broken E.slope of mountain.
40.00	Set an iron post 3 ft.long, 1 in.dia., 26 ins.in the ground, for 1/4 sec.cor., marked on brass cap, 1/4 S 36 in W.half, S 31 in E.half; and raise a mound of stone 2 1/2 ft.base, 2 ft.high W.of cor.
	Cor stands on E.slope of mountain, 250 ft.below Tp. cor.
49.25	Wash, 25 lks.wide, 6 ft.deep, course E.
80.00	Cor.of secs.25,30,31, and 36, heretofore described.
	Cor.stands at foot of mountain, 250 ft.below 1/4 sec. cor.
	Land, ~~mountainous~~, very rough.

EAST BOUNDARY T. 41 S., R. 12 W.

Chains.	Soil, rocky; 4th rate. No timber. Mountainous land 80.00 chs. Sept.16: At this cor.I set off 2° 41'N.on decl.arc; and at 11 h. 55 m.a.m.l.m.t.observe thesun on the meridian; the resulting lat.is 37° 11' N.
	Being unable to find the witness cor.to 1/4 sec.cor. bet.secs.25 and 30, I return to the cor.of secs.25, 30,31, and 36, and run due north between North bet.secs.25 and 30, Over mountainous land.
40.00	Point for 1/4 sec.cor.falls in Rio Virgin.
45.00	Find no trace,after diligent search, of the stationary rock purported to have been marked W C. I continue my line north on random, along E.bdy.of Tp. setting temporary 1/4 and sec.cors.at intervals of 40.00 chs.; and at 322.75 chs.fall 18 lks.W,of the old cor.of secs.1,6,7, and 12, which is a trachyte stone 5 x 10 x 7 ins.above ground, marked and witnessed as described by the surveyor general.I re-establish this cor.at the exact original point as follows: Set an iron post 3 ft.long, 3 ins.dia., 24 ins.in the ground, for cor.of secs.1,6,7, and 12, marked on brass cap, T 41 S in N.half R 12 W S 1 in NW. R 11 W S 6 in NE. S 7 in SE., and S 12 in SW.quadrants; and raise a mound of stone 2 1/2 ft.base, 2 ft.high W.of cor. The falling answers to a correction of 0° 02', or 4.5

EAST BOUNDARY T. 41 S., R. 12 W.

Chains.	
	1ks.E.per mile, counting from the SE.cor.of the township. Therefore I run
	S.0° 02'W.bet.secs.7 and 12,
	Gradually ascending.
4.00	Foot of bench, 10 ft.above cor., bears NE. and SW.
	Ascend.
7.00	Top of bench 75 ft.above foot bears NE. and SW.
	Thence over rolling bench land.
16.00	Descend into ravine, 20 ft.above.top of bench.
22.15	Ravine, 40 ft.below bench course W. Ascend.
27.25	Top of ravine, 40 ft.above bottom bears E. and W.
	Thence over bench land.
31.50	Descendiinto ravine.
32.75	Ravine, 25 ft.deep, course W.
	Ascend.
33.50	Top of ravine, 25 ft.above bottom, course W.
	Ascend gradually.
37.00	Descend.
40.00	Ravine 40 ft.below bench, course W.
	Ascend very rough mountain; through scattering timber.
42.75	Set an iron post 3 ft.long, 1 in.diam., 26 ins.in the ground, for 1/4 sec.cor., marked on brass cap, 1/4 S 12 in W.half, S 7 in E.half; from which
	A pine, 10 ins.dia., bears N.52° 30'E. 58 lks.dist. mkd.1/4 S 7 B T
	A cedar 6 ins.dia., bears N.42° 45'W. 34 lks.dist. mkd.1/4 S 12 B T
	Corner stands on W.slope of mountain 50 ft.above foot.
70.00	Top of rapid ascent of ledges, 500 ft.above 1/4 sec.cor. bear N.10° E. and S.10° W.
	Thence gradual ascent over top of mounaain. Leave timber.
82.75	Set an iron post 3 ft.long, 3 ins.dia., 24 ins.in the ground, for cor.of secs. 7,12,13, and 18, marked on

EAST BOUNDARY T. 41 S., R. 12 W.

Chains. brass cap, 1/4 -

T 41 S in N.half,

R 12 W S 12 in NW.

R 11 W S 7 in NE.

S 18 in SE., and

S 13 in SW.quadrants; and raise a mound of stone 2 1/2 ft.base, 2 ft.high W.of cor.

Land, rolling bench, and mountainous.

Soil, rocky; 4th rate.

Timber, cedar and pinon pine.

Mountainous land 42.75 chs.

Cor stands on W.side of mountain 30 ft.above top of cliffs.

Sept.16, 1909.

Sept.17: At 7 h. 25 m.a.m.l.m.t.I set off 37° 14'N.on lat.arc; 2° 24' N.on Decl.arc, and determine a meridian with the solar at the cor.of.secs.7,12,13, and 18. Thence I run

S.0° 02'W.bet.secs.13 and 18,

Gradually ascending, through timber.

17.50 Top of mountain, 75 ft.above sec.cor., bears S.10° W. and N.10° E.

Thence over level land, along E.side of mountain.

21.25 Leave timber, bears E. and W.

40.00 Set an iron post 3 ft.long,1 in.dia.,26 ins.in ground,for ¼ sec.cor.mkd.on brass cap ¼S13 in W.half, S 18 in E. half; and raise a mound of stone 2 1/2 ft.base, 2 ft. high W.of cor.

57.25 Begin ascent, bears S.30° E. and N.30° W.

61.25 Enter timber, bears S.30° E. and N.30° W.

65.25 Top of ascent, 75 ft.above foot bears E. and W.

Thence over level land.

EAST BOUNDARY T. 41 S., R. 12 W.

Chains.	
74.75	Top of lava bench bears NE. and SW.
	Descend abruptly.
77.50	Foot of lava bench, 50 ft.below top, bears W. and N.60° E. Thence over level land.
80.00	Set an iron post 3 ft.long, 3 ins.dia., 18 ins.in the ground, in mound of stone 5 ft.base, 6 ins.high around post for cor.of secs.13,18,19, and 24, marked on brass cap, T 41 S in N.half, R 12 W S 13 in NW. R 11 W S 18 in NE. S 19 in SE., and S 24 in SW.quadrant; from which A pine 12 ins.dia., bears S.80° E. 98 lks.dist. marked T 41 S R 11 W S 19 B T A cedar 14 ins.dia., bears N.80° 30'W. 1.58 chs. dist., mkd.T 41 S R 12 W S 13 B T. No other bearing trees within limits; raise a mound of stone 2 1/2 ft.base, 2 ft.high W.of cor. Impossible to set post 24 ins.in the ground. Land, mountainous. Soil, rocky; 4th rate. Timber, scrub cedar and pinon pine. Mountainous land 77.50 chs.
	S.0° 02'W.bet.secs.19 and 24, Descending gradually over mountain; through scattering timber and shadscale undergrowth.
6.50	Begin descent over mountain, bears NE. and SW. Leave timber.
40.00	Set an iron post 3 ft.long, 1 in.dia., 26 ins.in the ground, for 1/4 sec.cor., marked on brass cap, 1/4 S 24 in W.half, S 19 in E.half; and raise a mound of

EAST BOUNDARY T. 41 S., R. 12 W.

Chains	
	stone 2 1/2 ft.base, 2 ft.high W.of cor.
43.25	Foot of mountain, 500 ft.below top, bears NE. and SW.
	Descend gradually.
46.25	Bank of wash, 40 ft.below foot of mountain, bears E. and W.
57.75	Dalton Wash, 30 ft.below bank, 50 lks.wide, 3 ft.deep, course W. Ascend.
60.25	Top of bank of wash, 30 ft.above wash, bears E. and W.
	Thence over rolling bench.
80.00	Set an iron post 3 ft.long, 3 ins.dia., 24 ins.in the ground, for cor.of secs.19,24,25, and 30, marked on brass cap,
	T 41 S in N.half,
	R 12 W S 24 in NW.
	R 11 W S 19 in NE.
	S 30 in SE., and
	S 25 in SW.quadrants; and raise a mound of stone 2 1/2 ft.base, 2 ft.high W.of cor.
	Land, rolling and mountainous.
	Soil, rocky; 4th rate.
	Timber scattering scrub cedar and pinon pine.
	Undergrowth shadscale.
	Mountainous land 60.25 chs.
	S.0° 02'W.bet.secs.25 and 30,
	Over rolling land; through shadscale undergrowth.
9.00	Road, bears S.60° E. and N.60° W.
17.25	Top of bench bears NE. and SW.
	Descend,
35.00	Foot of bench, 150 ft.below top, bears NW. and SE.
	Telephone line bears N.15° E. and S.15° W.; from Virgin City to Grafton. Thence over level land.
35.50	Road, bears N.15° W. and S.15° E.
39.75	Set an iron post 3 ft.long, 3 ins.dia.,

EAST BOUNDARY T. 41 S., R. 12 W.

Chains.		at
	Point for 1/4 sec.cor.will fall in Rio Virgin; therefore	
36.75	Set an iron post 3 feet long, 1 in.dia. 26 ins.in the ground,for witness 1/4 sec.cor. mkd. on brass cap,WC $\frac{1}{4}$ T41 S R 12 W S 25 in W.half, S 30 in E.half, and raise a mound of stone 2 1/2 ft.base, 2 ft.high W.of cor.	
37.20	Irrigation ditch bears NW. and SE.	
40.00	Rio Virgin, 1.75 chs.wide, 18 ins.deep, muddy water, rapid current, sandy bottom, course W.	
	Enter cultivated land, bears NW. and SE.	
	Thence along W.bank of Rio Virgin, over cultivated land.	
73.25	Fence bears NE. and W.; leave cultivated land.	
	Ascend gradually.	
80.00	The cor.of secs.25,30,31, and 36.	
	Land, mountainous or nearly level.	
	Soil, sandy loam and rocky 2d and 4th rate.	
	No timber.	
	Undergrowth shadscale.	
	Mountainous land 35.00 chs.	
	Sky overcast during the noon hour; observation for lat. impossible.	
	Sept. 17, 1909.	
	Sept.18:	
	From 1/4 sec.cor.bet.secs.1 and 6, re-established by me this day, I run with continuous measurement,	
	North bet.secs.1 and 6,	
	Over mountainous land.	
40.75	Ravine 1 ch.wide, 15 ft.deep, course SE.	
46.65	Stationary sandstone 12 x 5 x 5 ft.above ground, marked and witnessed as described by the surveyor general, for witness cor.to closing cor.of secs.1 and 6 on 8th Standard Parallel South. I destroy all marks on said stone.	

EAST BOUNDARY T. 41 S., R. 12 W.

Chains.	
46.75	Ascend spur, bears NE. and SW.
51.00	Top of spur, 75 ft.above foot, projects E.
	Descend.
53.70	Ravine, 75 ft.below spur, course E.
	Ascend spur.
56.00	Top of spur, 75 ft.above ravine bears E. and W.
	Descend into Dry Wash.
60.25	Dry Wash, 75 ft.below top of spur, 6 lks.wide, clear water, 2 ins.deep, course S.20° E.
	Ascend.
63.00	Top of ascent, 60 ft.above dry wash, bears NW. and SE.
	Thence over level land.
65.50	Descend into Dry Wash bears E. and W.
66.75	Recross Dry Wash, 60 ft.below top, course W.
	Ascend.
68.50	Top of ascent, 60 ft.above wash.
	Descend into Dry Wash.
70.50	Recross Dry Wash, 60 ft.below top of bank, course SE.
	Ascend.
72.50	Bank of Dry Wash, 60 ft.above wash, bears NW. and SE.
	Ascend over broken ground.
77.90	Top of spur, 50 ft.above bank of Dry Wash, projects W.
	Descend.
79.00	Ravine 30 ft.below top of spur, course W.
	Ascend.
80.50	Top of spur, 40 ft.above raive, projects W.
	Descend gradually.
82.32	Intersect Eight Standard Parallel South 7.12 chs.E.of the Standard cor.of Tps.40 S., Rs.11 and 12 W.heretofore described.
	Set an iron post 3 ft.long, 3 ins.dia., 24 ins.in the ground, for closing cor.of Tp.41 S., Rs.11 and 12 W. marked on brass cap,
	[illegible],
	C C T 40 S R 12 W S 36 R 11 W S 31 in N.half,

EAST BOUNDARY T. 41 S., R. 12 W.

Chains. T 41 S in S.half,

S 6 R 11 W in SE.

S 1 R 12 W in SW.quadrants; and raise a mound of stone 2 1/2 ft.base, 2 ft .high S.of cor.

Land, mountainous.

Soil, rocky; 4th rate.

Undergrowth shadscale.

No timber.

Sept.18, 1909.

BOUNDARIES OF T. 41 S., R. 12 W.

LATITUDES,DEPARTURES,AND CLOSING ERRORS.

Line Designated	True Bearing	Dist.	Latitudes N.	Latitudes S.	Departures E.	Departures W.
		chs.	chs.	chs.	chs.	chs.
8th Stand.Par. S.	East	485.28	.....	.....	485.28	.....
East Boundary	South	41.76		41.76		
East Boundary	S.0° 16'W.	40.56		40.56		.19
East Boundary	S.0° 02'W.	322.75		322.75		.18
East Boundary.	South	80.00		80.00		
South Boundary	S.89° 46'W.	243.39		.97		243.39
South Boundary	N.89° 50'W.	242.13	.70			242.13
West Boundary	N.0° 07'W.	163.30	163.30			.33
West Boundary	N.0° 14'E.	80.00	80.00		.33	
West Boundary	N.0° 07'W.	81.43	81.43			.17
West Boundary	North	162.24	162.24			
Convergency,					.55	
Totals			487.67	486.04	486.16	486.39
			486.04			486.16
Error in lat.and dep.			1.63			.23

For general description see notes of the subdivision of this township.

Robert E. R. Cattell

U.S.Deputy Surveyor.

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Page

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

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

....., 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:

r list of names and final oath of assistants see book "T"....., *Chainman.*

T. 43 S., R. 10 W. ....., *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

been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the

ner monuments established, according to the instructions furnished by the United States Surveyor

neral for .....

....., *Chainman.*

....., *Chainman.*

....., *Moundman.*

....., *Moundman.*

....., *Axman.*

....., *Axman.*

....., *Flagman.*

.....

oscribed and sworn to before me this .....
day of ....., 19

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 ....., 19 , 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 United States, surveyed all those parts or portions of .....

For final oath of deputy see book "T" T. 43 S., R. 10 W.

..... 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.

.....
United States Deputy Surve

Subscribed by said ....., and sworn to before me this ..... day of ....., 19

SEAL

.....

.....

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, June 9, 19

The foregoing field notes of the survey of the East Boundary of Township 41 South, Range 12 West of the Salt Lake Base and Meridian, Utah,

executed by Robert E. L. Collier and Ralph Gentry under his contract No. 310, dated March 20, 1909, having b critically examined, and the necessary corrections and explanations made, the said field notes, and surveys they describe, are hereby approved.

Thomas Riggs
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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Page

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4—679.

BOOK A-353

D.

FILED
JAN 29 1910

FIELD NOTES

OF THE ~~SURVEY OF THE~~

RETRACEMENT AND RESURVEY

OF

S U B D I V I S I O N

O F

TOWNSHIP 41 SOUTH

RANGE 12 WEST

Of the SALT LAKE BASE AND *Meridian,*

U T A H,

AS SURVEYED BY

Robert E.L. Collier and Ralph Gentry, *United States Deputy Surveyors,*

Under ~~his~~ their *Contract No.* 310, *dated* March 20, *1909*

Retracement and
Survey commenced September 18, *1909.*

Retracement and
Survey completed September 21, *1909.*

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9-0835

1-10

BOOK A-353

NAMES AND DUTIES OF ASSISTANTS.

Norman Cooper,	Chainman.
Alfred Johansen,	Chainman.
Ozro Demill,	Moundman and Axman.
Robert T. Collier,	Flagman.

BOOK A-353

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Township 41 South, *Range* 12 West

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Meanders Page .....

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PRELIMINARY OATHS OF ASSISTANTS.

WE, Norman Cooper and Alfred Johansen do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level th chain upon even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; tha we will report the true distances to all notable objects, and the true lengths of all lines that we assist i measuring, to the best of our skill and ability, and in accordance with instructions given us, in the ~~survey~~ retracement and resurvey of Subdivision of T. 41 S., R. 12 W. and Tp. 4 S.R.11 W.; and resurvey of subdivision of T. 41 S., R. 11 W. of the Salt Lake Base and Meridian, Utah.

Norman Cooper, Chainman

Alfred Johansen, Chainman

Subscribed and sworn to before me this 5th day of September, 1909.

Robert E. L. Collier

U.S. Deputy Surveyor.

SEAL

~~WE~~, I, Ozro Demill ~~and~~ do solemnly swear that ~~we~~ I will well and truly perform the duties of moundmen in the establishmen of corners, according to the instructions given ~~us~~ me, to the best of ~~our~~ my skill and ability, in the ~~survey~~ retracement and resurvey of Subdivision of T. 41 S., R. 12 W., and Tp 42 S., R. 11 W.; and resurvey of subdivision of T. 41 S., R. 11 W. of the Salt Lake Base and Mer., Utah.

Ozro Demill, Moundman

, Moundman

Subscribed and sworn to before me this 5th day of September, 1909.

Robert E. L. Collier

U.S. Deputy Surveyor.

SEAL

~~WE~~, I, Ozro Demill and do solemnly swear that ~~we~~ I will well and truly perform the duties of axmen in the establishment of corner and other duties, according to instructions given ~~us~~ me, to the best of ~~our~~ my skill and ability, in the ~~survey~~ retracement and resurvey of subdivision of T. 41 S., R. 12 W.; and Tp 42 S.R.11 W.; and resurvey of subdivision of T. 41 S., R. 11 W. of the Salt Lake Base and Mer., Utah.

Ozro Demill, Axman

, Axman

Subscribed and sworn to before me this 5th day of September, 1909.

Robert E. L. Collier

U.S. Deputy Surveyor.

SEAL

I, Robert T. Collier, 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 retracement and resurvey of subdivision of T. 41 S., R. 12 W. and ~~re-survey of~~ T. 42 S., R. 11 W.; and resurvey of subdivision of T. 41 S., R. 11 W., of the S.L.B.&M., Utah.

Robert T. Collier, Flagman

Subscribed and sworn to before me this 5th day of September, 1909.

Robert E. L. Collier

U.S. Deputy Surveyor.

SEAL

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RETRACEMENT AND RESURVEY OF SUBDIVISION T. 41 S., R. 12 WEST.

Survey commenced Sept.18, 1909, and executed with the instrument described in book "A" of this survey.

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

At the cor.of secs.26,27,34, and 35, which is a soapstone 14 x 10 x 3 ins.above ground, firmly set and marked and witnessed as described by the surveyor general; lat.37° 11' N.; long,113° 07' 20" W., I set off 37° 11'N.on lat.arc; 1° 52' N.on decl.arc; and at 4 h. 24 m.p.m.l.m.t.determine with the solar a meridian and mark a point thereof on a peg driven in the ground 5 chs.N.of the cor.

At 7 h. 43 m.p.m.l.m.t.I observe Polaris at eastern elongation, in accordance with Manual of Instructions and mark a point in the line thus determined on a peg driven in the ground, 5 chs.N.of my station .

Sept.18, 1909.

Sept.19: At 7 h. 0 m.a.m.l.m.t.I lay off the azimuth of Polaris 1° 29' to the W., and mark the meridian thus determined by driving a nail in the peg set last night, on which the meridian falls 0.3 ins.east of the mark determined by the solar.

At 7 h. 24 m.a.m.l.m.t.I set off 37° 11'N.on the lat. arc; 1° 37'N.on the decl.arc; and mark a point in the meridian determined with the solar by a cross on the pepeg already set 5 chs.N.of my station; this mark falls 0.2 ins.E.of the meridian established by the Polaris observation.

RETRACEMENT AND RESURVEY OF SUBDIVISION OF T. 41 S., R. 12 W.

Chains

The solar apparatus by p.m. and a.m.observations defines positions for meridians respectively about 0' 16" W. and 0' 10" E.of the meridian established by the Polaris observations; therefore I conclude that the adjustments of the instrument are satisfactory.

The magnetic bearing of the true meridian at 7 h. 30 m. a.m.is N.16° 45'W.; the angle thus determined gives the mag,decl.16° 45'E.

Being unable to find any trace of the old 1/4 sec.cor. bet.secs.34 and 35, I proceed to the cor.of secs.26,27, 34 and 35, which is a soapstone 14 x 10 x 3 ins.above ground, firmly set and marked and witnessed as described by the surveyor general.

Thence I run

South bet.secs.34 and 35,

Along W.bank of wash.

25.50 Cross wash, 1.50 chs.wide, 15 ft.deep, course N.5° E.

Thence over broken ground.

40.00 After diligent search find no trace of the old 1/4 sec. cor.,

Set an iron post 3 ft.long, 1 in.dia., 26 ins.in the ground, for 1/4 sec.cor., marked on brass cap, 1/4 S 34 in W.half, S 35 in E.half; and raise a mound of stone 2 1/2 ft.base, 2 ft.high W.of cor.

I was unable to find any trace of the old 1/4 sec.cor. between secs.35 and 36; therefore I begin at the cor. of secs.25,26,35, and 36, which is a sandstone 10 x 8 x 6 ins.above ground, firmly set and marked and witnessed as described by the surveyor general, and run

South bet.secs.35 and 36,

Over level land.

6.75 Wash, 1.50 chs.wide, 20 ft.deep, course E.

RETRACEMENT AND RESURVEY OF SUBDIVISION OF T. 41 S., R. 12 W.

Chains	
	Thence along foot of mountain; over small sandstone ridges and ravines; very rough.
40.00	After diligent search find no trace of the old 1/4 sec. cor.
	Set an iron post 3 ft.long, 1 in.dia., 26 ins.in the ground, for 1/4 sec.cor., marked on brass cap, 1/4 S 35 in W.half, S 36 in E.half; dig pits 18 x 18 x 12 ins.N. and S.of post 3 ft.dist.; and raise a mound of earth 4 ft.base, 2 ft.high W.of cor.
	Sept.19, 1909: At this cor.I set off 1° 32' N.on decl.arc; and at 11 h. 54 m.a.m.l.m.t.observe the sun on the meridian; the resulting lat.is 37° 11' N.
	Having found the south boundary of section 35 out of limit in length, I retrace the north boundary of sec. 35 as follows:
	From the cor.of secs.25,26,35, and 36, heretofore described, I run
	West bet.secs.26 and 35,
41.40	Fall 4 lks.N.of the old 1/4 sec.cor., which is a sandstone 12 x 8 x 3 ins.above ground, with marks almost obliterated. I destroy all trace of the old cor. and in the exact place,
	Set an iron post 3 ft.long, 1 in.dia., 26 ins.in the ground, for re-established 1/4 sec.cor., marked on brass cap, 1/4 S 26 in N.half, S 35 in S.half; dig pits 18 x 18 x 12 ins.E. and W.of post 3 ft.dist.; and raise a mound of earth 4 ft.base, 2 ft.high E.of cor.
81.40	Fall 7 lks.N.of the cor.of secs.26,27,34, and 35, heretofore described. The course of this line is therefore S.89° 57'W.

RETRACEMENT AND RESURVEY OF SUBDIVISION OF T. 41 S., R. 12 W.

Chains	
	After making diligent search for the old cor.of secs. 13,14,23, and 24, and failing to find it, I learn from inquiry of old settlers that the corner has been washed out by North Creek. I therefore proceed to the 1/4 sec.cor. bet.secs.14 and 23, which is a sandstone 18 x 7 x 2 ins.above ground, firmly set, but not properly marked or witnessed. I re-establish it at the exact point by
	Setting an iron post 3 ft.long,1 in.dia., 26 ins.in the ground, for 1/4 sec.cor., marked on brass cap, 1/4 S 14 in N.half, S 23 in S.half, and raise a mound of stone 2 1/2 ft.base, 2 ft.high N.of cor.
	Sept.20, 1909: At 7 h. 24 m.a.m.l.m.t.I set off 37° 13' N.on lat..arc; 1° 14'N.on decl.arc; and determine a meridian with the solar at the 1/4 sec.cor.bet.secs. 14 and 23. Thence I run
	East between.secs.14 and 23,
	Over gently rolling land .
21.10	Road, bears N.30° E. and S.30° W.
40.00	Set temp. cor.for cor.of secs.13,14,23, and 24.
	I proceed to the 1/4 sec.cor.bet.secs.13 and 14, re-established by Deputy Gentry on Sept.20 1909, under this contract, and heretofore described.
	Thence I run
	South bet.secs.13 and 14,
	Descending along foot of mountain, over hilly surface.
11.50	Foot of mountain, 50 ft.below 1/4 sec.cor., bears NE. and SW.; thence descend gradually.
14.15	Road bears NE. and SW.
16.00	Wash, 30 lks.wide, 4 ft.deep, course E.
20.00	Fence, bears E. and W.
	Enter dense willows and cottonwoods bear NW. and S.75° E.

RETRACEMENT AND RESURVEY OF SUBDIVISION T. 41 S., R. 12 W.

Chains.	
26.60	North bank of North Creek; thence along bank of its creek, bears NE. and SW.
34.50	Fence bears N. and S.
	Leave willows.
	Thence along bed of North Creek.
40.54	Intersect E. and W.line 6 lks.E.of temp.cor.of secs. 13,14,23, and 24.
	Point for cor.falls in center of North Creek, impossible to set cor.
	The course of this line is therefore S.0° 05'W.
	Land, mountainous.and hilly.
	Soil, gravelly; 3d rate.
	No timber.
	Undergrowth cottonwoods and willows along crrek bank.
	Mountaincus land 11.50 chs.
	The closing of the E.bdy.of sec.24 on E.bdy.of Tp.being out of limit I resurvey the west bdy.of the sec.as follows:-
	From the cor.of secs.23,24,25 and 26, re-established by myself and heretofore described, I run North on a random line bet.secs.23 and 24,
40.00	Set temp.1/4 sec.cor.
80.72	Fall 7 lks.E.of the temp. cor.of secs.13,14,23, and 24.
	Thence I run S.0° 03'E.on true line bet.secs.23 and 24,
	Ascending gradually.
6.00	Set an iron post 3 ft.long, 2 ins.dia., 24 ins.in the gruund, for witness cor.to cor.of secs.13,14,23, and 24, marked on brass cap,
	T 41 S S 14 in NW.
	R 12 W S 13 in NE.
	S 24 in SE., and
	S 23 in SW.quadrants,

Chains.	
	W C in S.half; from which
	A cottonwood tree 10 ins.dia.bears N.28° 45'W. 78 lks.dist., marked W C T 41 S R 12 W S 23 B T
	No other bearing trees within limits; raise a mound of stone 2 1/2 ft.base, 2 ft.high W.of cor.
	This cor.stands at foot of spur, 20 ft.above North Cr.
	I destroy the temp.cor.previously set.
	Ascend spur; through shadscale undergrowth.
9.75	Top of spur, 75 ft.above witness cor., projects W.
	Descend.
10.75	Ravine 20 ft.below spur, course W.
	Ascend rocky ridge.
25.50	Top of ascent, 75 ft.above ravine, bears W.
	Descend.
32.75	Bottom of ravine, 30 ft.below top of ascent, course W.
	Ascend.
40.36	Set an iron post 3 ft.long, 1 in.diam., 26 ins.in the ground, for 1/4 sec.cor., marked on brass cap, 1/4 S 23 in W.half, S 24 in E.half; and raise a mound of stone 2 1/2 ft.base, 2 ft.high W.of cor.
	Corner stands on W.slope of ridge, 300 ft.above foot.
55.50	Top of ridge, 100 ft.above 1/4 sec.cor., bears NE. and SW. Descend.
80.72	The cor.of secs.23,24,25, and 26.
	Land, mountainous.
	Soil, rocky; 4th rate.
	Undergrowth shadscale.
	No timber.
	Mountainous land 80.72 chs. Sept.20,1909.

RETRACEMENT AND RESURVEY OF SUBDIVISION T. 41 S., R. 12 W.

Chains. Sept.21: At 7 h. 23 m.a.m.l.m.t.I set off 37° 13'N.on lat.arc; 0° 51'N.on decl.arc; and determine a meridian with the solar at the re-established 1/4 sec.cor. bet.secs.14 and 23, heretofore described.

Thence I run

West on retracement line bet.secs.14 and 23,

40.21 Intersect the old cor.of secs.14,15,22 and 23, which is a sandstone 14 x 10 x 5 ins., above ground, firmly set and marked and witnessed as described by the surveyor general.

Thence I run

North on retracement line bet.secs.14 and 15,

40.24 Fall 21 lks.E.of the old 1/4 sec.cor.which is a sandstone 15 x 6 x 5 ins.above ground marked and witnessed as described by the surveyor general.

I destroy all trace of this 1/4 sec.cor., and at the exact place,

Set an iron post 3 ft.long, 1 in.dia., 26 ins.in the ground, for re-established 1/4 sec.cor., marked on brass cap, 1/4 S 15 in W.half, S 14 in E.half, and raise a mound of stone 2 1/2 ft.base, 2 ft.high W.of cor.

The course of this line is therefore N.0° 18'W.

The old 1/4 sec.cor.bet.secs.21 and 22, a lava stone 15 x 8 x 6 ins.above ground, marked and witnessed as described by the surveyor general. I destroy all trace of this 1/4 sec.cor., and in the exact place

Set an iron post 3 ft.long, 1 in.dia., 26 ins.in the ground, for re-established 1/4 sec.cor., marked on

Chains	
	brass cap, 1/4 S 21 in W.half, S 22 in E.half; and raise a mound of stone 2 1/2 ft.base, 2 ft.high W. of cor.
	Thence I run
	South on retracement line bet.secs.21 and 22,
40.08	Intersect E.and W.line 2 lks.E.of the cor.of secs.21, 22,27, and 28, which is a slate stone 24 x 8 x 6 ins. above ground, marked and witnessed as described by the surveyor general.
	The course of this line is therefore S.0° 02' W.
	Thence I run
	West on retracement line bet.secs.21 and 28,
40.52	Intersect the old 1/4 sec.cor., which is a sandstone 16 x 10 x 4 ins.above ground, marked and witnessed as described by the surveyor general.
81.62	Intersect the old cor.of secs.20,21,28, and 29, which is a sandstone 15 x 7 x 6 ins.above ground, marked and witnesed as described by the surveyor general.
	Thence I run.
	North on retracement line bet.secs.20 and 21,
40.43	Fall 11 lks.W.of the old 1/4 sec.cor., which is a limestone 34 x 8 x 4 ins., above ground, marked and witnessed as described by the surveyor general.
	I destroy this cor., and in the exact place,
	Set an iron post 3 ft.long, 1 in.diam., 26 ins.in the ground, for re-established 1/4 sec.cor., marked on brass cap, 1/4 S 20 in W.half, S 21 in E.half; and raise a mound of stone 2 1/2 ft.base, 2 ft.high W.of cor. The course of this line is therfore N.0°09'E.

RETRACEMENT AND RESURVEY OF SUBDIVISION T. 41 S., R. 12 W.

Chains	
	and dist. 40.43 chs.
	Sept.21, 1909: At this 1/4 sec.cor.I set off 0° 45'N. on the decl.arc; and at 11 h. 53 m.a.m.l.m.t.observe the sun on the meridian; the resulting lat .is 37° 13'N.
	From cor.of secs.20,21,28, and 29, heretofore described I run
	West on retracement line bet.secs.20 and 29,
40.69	Fall 6 lks.S.of the old 1/4 sec.cor., which is a sandstone 12 x 10 x 4 ins.above ground, marked and witnessed as described by the surveyor general.
82.02	Intersect N. and S.line 12 lks.S.of the old cor.of secs 19,20, 29, and 30, whichis a sandstone 14 x 12 x 4 ins.above ground, marked and witnessed as described by the surveyor general.
	The course of this line is therefore N.89° 55'W.82.02 chs.
	Thence I run
	North on retracement line bet.secs.19 and 20,
40.52	Fall 27 lks.W.of the old 1/4 sec.cor., which is a gypsum stone 14 x 8 x 4 ins., above ground, marked and witnessed as described by the surveyor general.
	I destroy all trace of the old 1/4 sec.cor., and in exact place,
	Set an iron post 3 ft.long, 1 in.dia., 26 ins.in the ground, for re-established 1/4 sec.cor., marked on brass cap, 1/4 S 19 in W.half, S 20 in E.half, and raise a mound of stone 2 1/2 ft.base, 2 ft.high W.of cor.
	The course of this line is therefore N.0° 23'E.40.52 chs.

Chains	
	The line between secs.19 and 30 having been established by an offset line, I resurvey it as follows:
	From the cor.of secs.19,20,29 and 30 I run
	West on a random line bet.secs.19 and 30,
40.00	Set temp. 1/4 sec.cor.
80.77	,Intersect W.bdy.of Tp. 1.10 chs.S.of the old cor.of secs.19,24,25, and 30, which is a trachyte stone 10 x 10 x 8 ins., nearly destroyed, and markings almost obliterated. I destroy all traces of the old cor., and in exact place,
	Set an iron post 3 ft.long, 3 ins.dia., 24 ins.in the ground, for cor.of secs.24 and 25 only, marked on brass cap,
	T 41 S in N.half,
	R 13 W S 24 in NW., and
	S 25 in SW.quadrant; and raise a mound of stone 2 1/2 ft.base, 2 ft.high W.of cor.,and at point of intersection
	I also set an iron post 3 ft.long, 2 ins.dia., 24 ins. in the ground, for closing cor.of secs.19 and 30, marked on brass cap, T 41 S in N.half,
	C C R 13 W S 24 S 25 in W.half, [illegible] half,
	R 12 W S 19 in NE.quadrant, and
	S 30 in SE.quadrant;and raise a mound of stone 2 1/2 ft.base, 2 ft.high E.of cor.
	Thence I run
	East on a true resurvey line bet.secs.19 and 30,
	Over rolling land, through shadscale undergrowth.
17.75	Top of bank of Rio Virgin, bears N.70° E. and S.70° W.
	Descend.
30.00	Foot of descent, 100 ft.below top, bears E. and S.70°W.
	Thence along N.bank of Rio Virgin.
40.77	Set an iron post 3 ft.long, 1 in.dia., 26 ins.in the ground, for 1/4 sec.cor., marked on brass cap, 1/4 S 19 in N.half, S 30 in S.half; and raise a mound of stone 2 1/2 ft.base, 2 ft.high N.of cor.

RETRACEMENT AND RESURVEY OF SUBDIVISION T. 41 S., R. 12 W.

Chains	
55.00	Begin ascent from river, bears NW. and SE.
62.00	Top of ascent, 130 ft.above foot, bears NW. and SE.
	Thence over rolling land.
80.77	The cor.of secs.19,20,29, and 30.
	Land, rolling and mountainous.
	Soil, gravelly; 3d rate.
	Undergrowth shadscale.
	Mountainous land 44.25 chs. Sept.21, 1909.
	For general description see notes of the subdivision of this township.

Robert E. L. Callicot

U.S.Deputy Surveyor.

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Page

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

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

....., 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 list of names and final oath of assistants see book "11" *Chainman.*

T. 42 S., R. 11 W. ..... *Chainman.*

..... *Moundman.*

..... *Moundman.*

..... *Axman.*

..... *Axman.*

..... *Flagman.*

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted .....

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

.....

.....

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

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

..... *Chainman.*

..... *Chainman.*

..... *Moundman.*

..... *Moundman.*

..... *Axman.*

..... *Axman.*

..... *Flagman.*

.....

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

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 ....., 19 , 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 United States, surveyed all those parts or portions of .....

For final oath of deputy, see book "N" T. 42 S., R. 11 W.

..... 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.

United States Deputy Surve

Subscribed by said ....., and sworn to before me this ..... day of ....., 19

SEAL

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, June 9, 19

The foregoing field notes of the ~~survey of~~ retracement and resurvey of Subdivi-sion of Township 41 South, Range 12 West of the Salt Lake Base and Meridian, Utah,

executed by Robert E. L. Collier and Ralph Gentry under ~~his~~ their contract No. 310, dated March 20, 1909, having b critically examined, and the necessary corrections and explanations made, the said field notes, and retracements and re- surveys they describe, are hereby approved.

Thomas Kell

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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Page

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Page

4—679.

E.

BOOK A-353

FIELD NOTES

OF THE SURVEY OF THE

S U B D I V I S I O N

O F

TOWNSHIP 41 SOUTH,

RANGE 12 WEST

Of the SALT LAKE BASE AND *Meridian,*

U T A H

AS SURVEYED BY

Robert E.L. Collier and Ralph Gentry, *United States Deputy Surveyors*

Under ~~his~~ their *Contract No.* 315, *dated* March 20, *190* 9.

Survey commenced Sept.19, *190* 9

Survey completed March 11, *19*10.

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BOOK A-353

NAMES AND DUTIES OF ASSISTANTS.

Frank Cooper	Chainman.
Norman Cooper,	Chainman.
Carl Cooper,	Chainman.
Alfred Johansen	Chainman.
Jesse Jepson,	Moundman.
Ozro Demill,	Moundman.
Jesse Jepson	Axman
Ozro Demill,	Axman.
Wm.W.Flanigan,	Flagman.
Robert T.Collier,	Flagman.

For 1910:

Wm.W.Flanigan,	Chainman.
Joseph Maloney,	Chainman.
Wm.W.Flanigan,	Moundman.
Henry Cornelius,	Axman and Flagman.

BOOK A-353

INDEX DIAGRAM.

Township 41 S., *Range* 12 W.

6 40 39	5 35 38	4 30 34	3 16 29	2 11 15	1 10
7 37 25	8 33 24	9 28 23	10 14 22	11 8 13	12 7
18 36 21	17 32 20	16 27 19	15 12 17	14 6	13 3
19 20	20 18	21 17	22	23	24 2
30	29	28	27	26	25
31	32	33	34	35 1	36 1

Meanders Page .....

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PRELIMINARY OATHS OF ASSISTANTS.

We, Frank Cooper, Norman Cooper and Carl Cooper and Alfred Johan: 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 the subdivision of Tps. 41 and 42 S., Rs.11 and 12 W. and Tp.43 S. Rs.10,11, and 12 W. of the S.L.B.& M.Utah.

Frank Cooper, Chainman.
Norman Cooper, Chainman.
Carl Cooper, Chainman.
Alfred Johansen, Chainman.

Subscribed and sworn to before me this 5th day of September, 1909.

SEAL

Robert E. Collier
U.S. Deputy Surveyor.

We, Jesse Jepson and Ozro Demill do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey of the subdivision of Tps.41 and 42 S., Rs.11 and 12 W. and Tp.43 S., Rs. 10,11, and 12 W. of the S.L.B.& M.,Utah.

Jesse Jepson, Moundman.
Ozro Demill, Moundman.

Subscribed and sworn to before me this 5th day of September, 1909.

SEAL

Robert E. Collier
U.S. Deputy Surveyor.

We, Jesse Jepson and Ozro Demill do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey of the subdivision of Tps.41 and 42 S., Rs.11 and 12 W. and Tp. 43 S., Rs 10,11, and 12 W. of the S.L.B.& M.,Utah.

Jesse Jepson, Axman.
Ozro Demill, Axman.

Subscribed and sworn to before me this 5th day of September, 1909.

SEAL

Robert E. Collier
U.S. Deputy Surveyor.

We, Wm.W.Flanigan and Robert T.Collier do solemnly swear that we will well and truly perform the duties of flagmen according to instructions given us, to the best of our skill and ability, in the the subdivision of Tps.41 and 42 S., Rs.11 and 12 W. and Tp.43 S., Rs. 10,11, and 12 W. of the S.L.B.& M.,Utah.

Wm. W. Flanigan
Robert T. Collier, Flagmen.

Subscribed and sworn to before me this 5th day of September, 1909.

SEAL

Robert E. Collier
U.S. Deputy Surveyor.

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BOOK A-353

INDEX DIAGRAM.

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

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

Meanders Page .....

PRELIMINARY OATHS OF ASSISTANTS.

We, Wm. W. Flanigan and Joseph Maloney 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 part of the Subdivision of T. 43 S., R. 10 W. and the corrective surveys of portions of the subdivisions of Tps. 41 and 42 S., R. 11 W. and T. 41 S., R. 12 W. of the S.L.B.& M. Utah.

Wm. W. Flanigan, Chainman.

Joseph Maloney, Chainman.

Subscribed and sworn to before me this 12th day of March, 1910, ~~190~~

SEAL

Ralph Gentry
U.S. Deputy Surveyor.

~~We~~ I, Wm. W. Flanigan ~~and~~ do solemnly swear that ~~we~~ I will well and truly perform the duties of moundman in the establishment of corners, according to the instructions given ~~us~~ me, to the best of ~~our~~ my skill and ability, in the survey of part of the Subdivision of T. 43 S., R. 10 W., and the corrective surveys of portions of the subdivisions of Tps. 41 and 42 S., R. 11 W. and T. 41 S. R. 12 W. of the S.L.B.& M. Utah.

Wm. W. Flanigan, Moundman.

, Moundman.

Subscribed and sworn to before me this 12th day of March, 1910, ~~190~~

SEAL

Ralph Gentry
U.S. Deputy Surveyor.

~~We~~, I, Henry Cornelius and do solemnly swear that ~~we~~ I will well and truly perform the duties of axman in the establishment of corners and other duties, according to instructions given ~~us~~ me, to the best of ~~our~~ my skill and ability, in the survey of part of the Subdivision of T. 43 S., R. 10 W., and the corrective surveys of portions of the subdivisions of Tps. 41 and 42 S., R. 11 W. and T. 41 S., R. 12 W. of the S.L.B.& M. Utah.

Henry Cornelius, Axman.

, Axman.

Subscribed and sworn to before me this 12th day of March 1910, ~~190~~

SEAL

Ralph Gentry
U.S. Deputy Surveyor.

I, Henry Cornelius, 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 part of the Subdivision of T. 43 S., R. 10 W., and the corrective surveys of portions of the subdivisions of Tps. 41 and 42 S., R. 11 W. and T. 41 S. R. 12 W. of the S.L.B.& M., Utah.

Henry Cornelius, Flagman

Subscribed and sworn to before me this 12th day of March, 1910, ~~190~~

SEAL

Ralph Gentry
U.S. Deputy Surveyor.

SUBDIVISION OF T. 41 S., R. 12 W.

Chains	
	Survey commenced Sept.19, 1909, and executed with the instruments described in books "A" and "E" of this survey.
	From the re-established $\frac{1}{4}$ sec.cor.bet.secs.34 and 35, heretofore described, I run
	South on a random line bet.secs.34 and 35,
40.42	Intersect S.bdy.of Tp.1.35 chs.W.of the cor.of secs.2, 3,34, and 35, set by me, and heretofore described. I destroy the markings on the post pertaining to secs. 34 and 35, and
	Set an iron post 3 ft.long, 2 ins.dia., 24 ins.in the ground, for closing cor.of secs.34 and 35, marked on brass cap,
	C C T S.34 in NW. S. 2 S 3 in S. half,
	S 35 in NE.quadrant;
	C C T 42 S R 12 W S 2 S 3 in S. half; and raise a mound of stone, $2\frac{1}{2}$ ft.base, 2 ft.high N.of cor.
	Thence I run
	North on a true line bet.secs.34 and 35;
	Over rough broken land; through shadscale undergrow h.
23.50	Wash, 30 lks.wide, 3 ft.deep, course NW.
39.00	Wash, 50 lks.wide, 10 ft.deep, course NW.
40.42	The $\frac{1}{4}$ sec.cor.bet.secs.34 and 35,
	Land, rough and broken.
	Soil, rocky; 4th rate.
	Undergrowth shadscale.
	No timber.

	From the re-established $\frac{1}{4}$ sec.cor.bet.secs.35 and 36 heretofore described, I run
	South on a random line bet.secs.35 and 36,
40.33	Intersect S.bdy.of Tp.25 lks.E.of the witness cor.to cor.of secs.1,2,35, and 36, heretofore described.

SUBDIVISION OF T. 41 S., R. 12 W.

Chains	
	Thence I run
	N.0° 04'W.on true line bet.secs.35 and 36,
	Along foot of mountain; over small sandstone ridges and ravines.
36.33	Wash, 10 lks.wide, 3 ft.deep, course N.30° W.
40.33	The ¼ sec.cor.bet.secs.35 and 36.
	Land, mountainous.
	Soil, rocky; 4th rate.
	No timber.
	Undergrowth shadscale.

From the cor.of secs.23,24,25, and 26, which is a sandstone 20 x 10 x 8 ins.above ground, marked and witnessed as described by the surveyor general, which I re-establish at the exact point as follows:

Set an iron post 3 ft.long, 2 ins.dia., 24 ins.in the ground, for re-established cor.of secs.23,24,25, and 26, marked on brass cap,

T 41 S S 23 in NW.

R 12 W S 24 in NE.

S 25 in SE., and S 26 in SW quadrants;and raise a mound of stone 2½ ft.base,2 ft.high W.of cor. Thence I run East on a random line bet.secs.24 and 25,

40.00	Set temp. ¼ sec.cor.
80.32	Intersect E.bdy.of Tp.44 lks.N.of the cor.of secs.19,24, 25 and 30,heretofore described. Thence I run
	N.89° 41'W.on a true line bet.secs.24 and 25,
	Over rolling bench land;through shadscale undergrowth.
18.00	Road bears N.75° W. and S.75° E.
20.25	Same road turns and runs SW.
36.00	Begin gradual descent over N.slope of bench, bears N. 75° E. and S.75° W.
40.16	Set an iron post 3 ft.long, 1 in.dia., 26 ins.in the

SUBDIVISION OF T. 41 S., R. 12 W.

Chains	
	ground, for ¼ sec.cor., marked on brass cap, ½ S 24 in N.half, S 25 in S.half; and raise a mound of stone 2½ ft.base, 2 ft.high N.of cor.
56.00	Descend into ravine bears N. and S.
58.00	Ravine 20 ft.below top, course N. Ascend.
61.50	Top of ascent, 30 ft.above bottom of ravine.
	Descend abruptly into Dalton Wash bears N.20° E. and S.20° W.
68.00	Dalton Wash, 100 ft.below top of bench, 30 lks.wide, 2 ft.deep, course SW. Ascend.
80.32	The cor.of secs.23,24,25, and 26.
	Land, rolling bench.
	Soil, rocky; 4th rate.
	No timber.
	Undergrowth, shadscale. Sept.19, 1909.

Sept.20: (See retracement subdivisions for determination of meridian).

From a point 6.00 chains N.0°3'W.of witness cor.to cor.of secs.13,14,23, and 24, which is true point for said corner, I run

East on a random line bet.secs.13 and 24,

40.00	Set temp. ¼ sec.cor.
80.48	Intersect E.bdy.of Tp.1.50 chs.N.of the cor.of secs.13, 18,19, and 24, heretofore described.

I destroy marks on the said corner pertaining to secs. 13 and 24, and

Set an iron post 3 ft.long, 2 ins.dia., 24 ins.in the ground, for closing cor.of secs.13 and 24, marked on brass cap, T 41 S in N.

C C S 18 S 19 R 11 W in E.half,

R 12 W S 13 in NW., and

SUBDIVISION OF T. 41 S., R. 12 W.

Chains.	
	S 24 in SW.quadrant; from which
	A cedar 14 ins.dia.bears N.50° 15'W. 2.04 chs.dist.
	marked T 41 S R 12 W S 13 B T
	No other bearing trees within limits; raise a mound of
	stone 2½ ft.base, 2 ft.high W.of cor.
	Thence I run
	West on a true line bet.secs.13 and 24,
	Ascending mountain; through timber.
4.00	Top of mountain, 75 ft.above closing cor., bears N. and
	S.15° W. Descend gradually.
26.00	Top of cliffs, 50 ft.below top of mountain, bears S.10°
	W. and N.10° E. Descend abruptly.
	Leave timber, bears N.10° E. and S.10° W.
40.24	Set an iron post 3 ft.long, 1 in.dia., 26 ins.in the
	ground, for ¼ sec.cor., marked on brass cap ¼ S 13 in
	N.half, S 24 in S.half; and raise a mound of stone 2½
	ft.base, 2 ft.high N.of cor.
	Corner stands on W.slope of mountain, 300 ft.below the
	top.
	Sept.20: At this cor.I set off 1° 08'N.on decl.arc; and
	at 11 h. 54 m.a.m.l.m.t.observe the sun on the merid-
	ian; the resulting lat.is 37° 13'N.
76.00	Foot of mountain, 500 ft.below ¼ sec.cor., bears N.20°
	W. and S.20° E. Descend gradually.
80.40	Bank of North Creek, 20 ft.below foot of mountain,course
	S.70° W.
80.48	Point for cor.of secs.13,14,23, and 24, in North Creek,
	6 chs.N.of witness cor.
	Land, mountainous.
	Soil rocky;4th rate.
	Timber, scrub cedars and pinon pine.
	Mountainous land 80.48 chs. Sept.20, 1909.

Robert E. L. Collied
U.S.Deputy Surveyor.

SUBDIVISION OF T. 41 S., R. 12 W.

Chains. Survey commenced Sept.19, 1909, and executed with a W. & L.E.Gurley Explorer's transit, No. ..... with solar attachment.

The horizontal limb is provided with two double verniers placed opposite to each other, reading to single minutes of arc, which is also the least count of the verniers of the latitude and declination arcs.

The instrument was examined, tested on the true meridian at Salt Lake City, found correct, and was approved by the Surveyor General for Utah May 11, 1909.

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 old 1/4 sec.cor. between secs.13 and 14, which is a gypsum stone 20 x 12 x 2 ins.above ground, mkd.and witnessed as described by the surveyor general; lat.37° 13'N.; long.113° 06' 15" W., I set off 37° 13'N.on lat.arc; 1° 28'N.on decl. arc, and at 3 h. 54 m.p.m.l.m.t.determine with the solar a meridian and mark a point thereof on a stone firmly set in the ground 5 chs.N.of the cor.

At 7 h. 39 m.p.m.l.m.t.I observe Polaris at eastern elongation, in accordance with Manual of Instructions and mark a point in the line thus determined on a peg driven in the ground 5 chs.N.of my station.

Sept.19, 1909.

Sept.20: At 7 h. 0 m.a.m.l.m.t.I lay off the azimuth of Polaris 1° 29' to the west and mark the meridian thus determined by cutting a small groove in the stone set last evening on which the meridian falls 0.3 ins. E.of the mark determined by the solar.

Chains	
	At 7 h. 24 m.a.m.l.m.t.I set off 37° 13'N.on the lat. arc; 1° 14'N.on the decl.arc; and mark a point in the meridian determined with the solar by a cross on the stone already set 5 chs.N.of my station; this mark falls 0.4 ins.W.of the meridian established by the Polaris observation.
	The solar apparatus by p.m.and a.m.observations defines positions for meridians respectively about 0' 16" E. and 0' 21" W. of the meridian established by the Polaris observations; therefore I conclude that the adjustments of the instrument are satisfactory.
	The magnetic bearing of the true meridian at 7 h. 30 m. a,m.is N. 16° 45'W.; the angle thus determined gives the mag,decl. 16° 45'E.
	I re-establish the 1/4 sec.cor.as follows:
	Set an iron post 3 ft.long, 1 in.dia., 26 ins.in the ground, for re-established 1/4 sec.cor., marked on brass cap, 1/4 S 14 in W.half, S 13 in E.half; and raise a mound of stone 2 1/2 ft.base, 2 ft.high W.of cor.
	An oil rig bears N.11° W. 1.32 chs.dist. An oil rig bears E. 10 chs.dist. The well is pumping small quantities of oil. Thence I run
	N.0° 01'E.be t.secs.13 and 14,
	Gradually ascending E.slope of mountain; very rough.
7.25	Descend into ravine, 20 ft.below top, course E.Ascend.
9.35	Bottom of ravine. Ascend.
21.75	Top of spur, 100 ft.above ravine,projects E. Descend.
25.75	Ravine, 75 ft.below spur, course E. Ascend.
32.75	Top of spur, 75 ft.above ravine, bears E. and W. Desc.
39.00	Ravine, 50 ft.below spur, course E. Ascend.
40.00	Set an iron post 3 ft.long, 2 in.dia., 24 ins.in the ground, for cor.of secs.11,12,13, and 14, marked on brass cap,
	T 41 S S 11 in NW.

Chains.

R 12 W S 12 in NE.

S 13 in SE., and

S 14 in SW.quadrants; dig pits 18 x 18 x 12 ins. in each sec.5 1/2 ft.dist.; and raise a mound of earth 4 ft.base, 2 ft.high W.of cor.

Corner stands on small spur, 20 ft.above ravine.

Land, mountainous, very rough.

Soil, rocky; 4th rate.

No timber.

Mountainous land 40.00 chs.

East on a random line bet.secs.12 and 13,

40.00 Set temp. 1/4 sec.cor.

80.50 Intersect E.bdy.of Tp. 1.95 chs.N.of the cor.of secs.7, 12,13, and 18, heretofore described,

I destroy all marks on the cor.pertaining to secs.12 and 13, and

Set an iron post 3 ft.long,2 ins.dia.,24 ins.in the ground, for closing cor.of secs.12 and 13,mkd.on brass cap,

T 41S on N.

C C S 7 S 18 R 11 W in E.half,

S 12 in NW., and

S 13 R 12 W in SW.quadrant; and raise a mound of stone 2 1/2 ft.base, 2 ft.high W.of cor. Thence I run

West on true line bet.secs.12 and 13,

Descending over west slope of mountain; through shad-scale undergrowth; very rough.

3.00 Descent bears NE. and SW.

40.25 Set an iron post 3 ft.long, 1 in.dia., 26 ins.in the ground, for 1/4 sec.cor., marked on brass cap, 1/4 S 12 in N.half, S 13 in S.half; and raise a mound of stone 2 1/2 ft.base, 2 ft.high N.of cor.

An oil rig bears N.60° 45'E. 5 chs.dist.

SUBDIVISION OF T. 41 S., R. 12 W.

Chains	
	Corner stands on W.slope of mountain,400 ft.below top.
	Sept.20, 1909: At this 1/4 sec.cor.I set off 1° 48'N. on the decl.arc; and at 11 h.54 m.a.m.l.m.t.observe the sun on the meridian; the resulting lat.is 37°14'N.
44.60	Road to oil rig bears NE. and SW.
48.50	Foot of mountain, 200 ft.below 1/4 sec.cor., bears N. 70° E. and S.70° W.Descend gradually to North Creek.
50.25	North Creek, 10 lks.wide, 4 ins.deep, clear water,rapid current, rocky bottom, course SW.Ascend gradually.
55.60	Foot of spur, bears N. and S. Ascend.
56.50	Road, bears N. and S.
64.00	Top of spur, 30 ft.above North Creek, bears N. and S. Descend.
66.00	Ravine, 20 ft.below top of spur, course S.70° E. Ascend gradually along bottom of ravine.
76.50	Ascend spur, projects S.60° W.
80.50	The cor.of secs.11,12,13, and 14.
	Land, mountainous.
	Soil, rocky;4th rate.
	No timber. Undergrowth shadscale.
	Mountainous land 80.50 chs. Sept.20, 1909.
	U.S.Deputy Surveyor.

	Sept.21: At 7 h. 23 m.a.m.l.m.t.I set off 37° 14'N.on lat.arc; 0° 51'N.on decl.arc; and determine a meridian with the solar at the cor.of secs.11,12,13, and 14. Thence I run
	N.0° 01'E.bet.secs.11 and 12,
	Descending into ravine; through shadscale undergrowth.
2.00	Ravine, 20 ft.below sec.cor., course SW. Ascend.
5.00	Top of ascent, 20 ft.above ravine, bears E. and W. Descend.
7.00	Ravine, 20 ft.below top, course E. Ascend.

SUBDIVISION OF T. 41 S., R. 12 W.

Chains.	
10.00	Top of ascent, 20 ft.above ravine, bears E. and W. Thence over level land.
13.50	Descend into ravine, bears E. and W.
14.00	Ravine, 20 ft.deep, course E. Ascend rough rocky point.
40.00	Set an iron post 3 ft.long, 1.in.dia., 26 ins.in the ground, for 1/4 sec.cor., marked on brass cap, 1/4 S 11 in W.half, S 12 in E.half; and raise a mound of stone 2 1/2 ft.base, 2 ft.high W.of cor. Corner stands on E.slope of rocky point, 400 ft.above foot.
42.00	Top of rocky point, at foot of cliffs, 100 ft. above 1/4 sec.cor., bears E. and W. Descend.
62.25	Foot of point, 500 ft.below top, bears S.60° E. and N. 60° W. Descend gradually.
66.00	Bottom of gulch, 50 ft.below foot of point, course E. Ascend mesa.
80.00	Set an iron post 3 ft.long, 2 ins.dia., 24 ins.in the ground, for cor.of secs.1,2,11, and 12 marked on brass cap, T 41 S S 2 in NW. R 12 W S 1 in NE. S 12 in SE., and S 11 in SW.quadrants; and raise a mound of stone 2 1/2 ft.base, 2 ft.high W.of cor. Corner stands on W.slope of mesa, 300 ft.above bottom. of gulch. Land, mountainous, very rough. Soil, rocky; 4th rate. No timber. Undergrowth shadscale. Mountainous land 80.00 chs. Sept.21: At this cor.I set off 0° 45'N.on decl.arc; and at 11 h. 53 m.a.m.l.m.t.observe the sun on the meridian; the resulting lat.is 37° 15'N.

Knowing that I will not intersect the E.bdy.of the Tp.

SUBDIVISION OF T. 41 S., R. 12 W.

Chains.	
	within allowable limits, I run, for distance only East on a random line bet.secs.1 and 12.
40.00	Set temp. 1/4 sec.cor.
80.62	Intersect E.bdy.of Tp..97 lks.S.of the cor.of secs.1,6, 7, and 12, heretofore described. I abandon my random line and run
	West on true line bet.secs.1 and 12,
	Descending through shadscale undergrowth.
5.50	Ravine, 20 ft.below sec.cor., course NW. Ascend.
7.62	Top of spur,15 ft.above ravine bears N. and S. Descend.
9.00	Foot of spur, 30 ft.below top.
9.12	Road, bears N. and S. Enter cultivated land.
11.87	Fence bears N. and S.;leave cultivated land. Enter bed of North Creek.
14.62	North Creek, 10 lks.wide, 6 ins.deep, clear water,rapid current, rocky bottom, course S. Ascend.
15.25	Top of rapid ascent, 20 ft.above creek; thence gradual ascend.
20.00	Make diligent search but find no trace of old witness cor.
23.62	Ravine 40 ft.deep, course SE.
34.62	Foot of mesa, bears N. and S. Thence rapid ascent, over small ridges and ravines, very rough.
40.00	Set an iron post 3 ft.long, 1 in.dia., 26 ins.in the ground, for 1/4 sec.cor., marked on brass cap, 1/4 S 1 in N.half, S 12 in S.half; and raise a mound of stone 2 1/2 ft.base, 2 ft.high N.of cor. Corner stands on SE.slope of mesa, 75 ft.above foot.
61.10	Top of rapid ascent, 200 ft.above 1/4 sec.cor.; thence gradual ascent over W.slope; very rough.
80.62	Intersect N. and S.line 97 lks.N.of the cor.of secs.1,2, 11, and 12.
	Set an iron post 3 ft..ong, 2 ins.dia., 24 ins.in the ground, for closing cor.of secs.1 and 12, marked on brass cap,
	T 41 S R 12 W on N.

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Chains.

C C S 2 S 11 in W.half

S 1 in NE., and

S 12 in SE.quadrant; and raise a mound of stone 2 1/2 ft.base, 2 ft.high E.of cor. I destroy all marks on the post pertaining to secs.1 and 12.

Land, mountainous and level.

Soil, rocky and sandy loam; 2d and 4th rate.

Undergrowth shadscale. No timber.

Mountainous land 78.00 chs. Sept.21, 1909.

Sept.22: At 7 h. 23 m.a.m.l.m.t.I set off 37° 15'N. on lat.arc; 0° 27'N.on decl.arc; and determine a meridian with the solar at the cor.of secs.2 and 11.

Thence I run

N.0° 01'E.on true line bet.secs.1 and 2,

Ascending mesa; through shadscale undergrowth.

0.97 Closing cor.of secs.1 and 12.

3.50 Top of mesa, 100 ft.above sec.cor., and top of perpendicular cliffs, 50 ft.high, bearing E. and W.

Thence over rolling mesa;through dense timber,bears E. and W.

38.00 Foot of spur, bears E. and W. Ascend.

40.00 Set an iron post 3 ft.long, 1 ins.dia., 26 ins.in the ground, for 1/4 sec.cor., marked on brass cap, 1/4 S 2 in W.half, S 1 in E.half; from which

A cedar, 10 ins.dia., bears S.82° 45'E. 40 lks. dist., marked 1/4 S 1 B T

A cedar 6 ins.dia.bears N.25° 45'W. 14 lks.dist. mkd.1/4 S 2 B T

42.00 Top of spur, 50 ft.above foot bears E. and W. Descend.

45.00 Foot of spur, 30 ft.below top, bears E. and W.

Thence over rough and rocky surface.

68.75 Wash, 15 lks.wide, 6 ft.deep, course E.Ascend spur.

76.50 Top of spur, 50 ft.above wash, bears E. and W. Descend.

Chains.
78.00 Ravine, 20 ft.below spur, course SE. Ascend.

83.65 Intersect Eighth Standard Parallel South 6.47 chs.E.of the Standard cor.of secs.35 and 36,heretofore described.

Set an iron post 3 ft.long, 2 ins.dia., 24 ins.in the ground, for closing cor.of secs.1 and 2, marked on brass cap,

C C T 40 S R 12 W S 35 S 36 in N.half,

S 1 in SE., and S 2 in SW.quadrants; from which

A pine 6 ins.dia.bears S.55° 45'E. 32 lks.dist. mkd.C C T 41 S R 12 W S 1 B T

A pine 6 ins.dia.bears S.66° 30'W. 88 lks.dist. mkd.C C T 41 S R 12 W S 2 B T

Land, mountainous and rolling mesa.

Soil, rocky;4th rate.

Timber, scrub cedar and pinon pine.

Undergrowth shadscale.

Mountainous land 49.15 chs.

Sept.22, 1909: At this cor.I set off 0° 22'N.on the decl.arc; and at 11 h. 53 m.a.m.l.m.t.observe the sun on the meridian; the resulting lat.is 37° 15'N.

From the re-established 1/4 sec.cor.between secs.14 and 15, I run

North bet.secs.14 and 15,

Over rolling land; through shadscale undergrowth.

12.35 Old road bears N.20° E. and S.20° W.

17.95 Old road, bears NW. and SE.

20.60 Wash, 15 lks.wide, 3 ft.deep, course SW.

40.00 Set an iron post 3 ft.long, 2 ins.diam. 24 ins.in the ground, for cor.of secs.10,11,14, and 15, marked on brass cap,

T 41 S S 10 in NW.

R 12 W S 11 in NE.

S 14 in SE., and S 15 in SW.quadrants; and

SUBDIVISION OF T. 41 S., R. 12 W.

Chains.	
	raise a mound of stone 2 1/2 ft.base, 2 ft.high W.of cor.
	Land, rolling.
	Soil, gravelly; 3d rate.
	No timber. Undergrowth shadscale. Sept.22, 1909.
	Sept.23: At 7 h. 23 m.a.m.l.m.t.I set off 37° 14'N.on lat.arc; 0° 4'N.on decl.arc; and determine a meridian with the solar at the cor.of secs.10,11,14, and 15. Thence I run
	East on a random line bet.secs.11 and 14,
40.00	Set temp. 1/4 sec.cor.
80.45	Intersect N. and S.line 17 lks.N.of the cor.of secs.11, 12,13, and 14. Thence I run
	S.89° 53'W.on true line bet.secs.11 and 14,
	Ascending very rough spur.
20.15	Top of spur, 150 ft.above sec.cor., bears N.15° W. and S.15° E. Descend; very rough.
37.70	Foot of spur, 200 ft.below top, bears N.15° W. and S.15° E. Thence over rolling land; through shadscale undergrowth.
40.22	Set an iron post 3 ft.long, 1 in.dia., 26 ins.in the ground, for 1/4 sec.cor., marked on brass cap, 1/4 S 11 in N.half, S 14 in S.half; and raise a mound of stone 2 1/2 ft.base, 2 ft.high N.of cor.
53.25	Wash, 15 lks.wide, 5 ft.deep, course S.
66.40	Road, bears N.10° E. and S.10° W.
68.43	Wash, 20 lks.wide, 5 ft.deep, course SW.
80.45	The cor.of secs.10,11,14, and 15.
	Land, rolling and mountainous; very rough.
	Soil, gravelly and rocky; 3d and 4th rate.
	Undergrowth shadscale. No timber.
	Mountainous land 37.70 chs.
	Sept.23, 1909: At this cor.I set off 0° 13'N.on decl. arc; and at 11 h. 53 m.a.m.l.m.t.observe the sun on

SUBDIVISION OF T. 41 S., R. 12 W.

Chains.	
	the meridian; the resulting lat.is 37° 14'N.
	N.0° 01'E.bet.secs.10 and 11,
	Descending into wash; through shadscale undergrowth.
2.75	Wash, 20 ft.below sec.cor., 20 lks.wide, 2 ft.deep, course SW. Ascend [illegible]
20.00	Foot of spur, 15 ft.above wash, bears NW. and SE.Ascend
25.00	Top of spur,50 ft.above foot,bears NW. and SE. Descend.
28.00	Ravine,50 ft.below top of spur,course S.60° E.
	Ascend mesa; very rough.
40.00	Set an iron post 3 ft.long, 1 in.dia., 26 ins.in the ground for 1/4 sec.cor., mkd.on brass cap, 1/4 S 10 in W.half, S 11 in E.half;and raise a mound of stone 2 1/2 ft.base, 2 ft.high W.of cor.
	Corner stands on S.slope of mesa, 100 ft.above foot.
50.25	Old road, bears S.60° E. and N.60° W.
55.25	Top of mesa, 600 ft.above 1/4 sec.cor.,and top of perpendicular cliffs 60 ft.high,bear E. and W. Thence over rolling mesa,through timber,bears E. and W.
74.75	Wash,15 lks.wide, 2 ft.deep,course SE. Ascend.
78.00	Top of ascent,35 ft.above foot,bears E. and W.
	Thence over rolling mesa.
80.00	Set an iron post 3 ft.long,2 ins.dia.,24 ins.in the ground,for cor.of secs.2,3,10 & 11,mkd.on brass cap
	T 41 S S 3 in NW.
	R 12 W S 2 in NE.
	S 11 in SE., and
	S 10 in SW.quadrants;from which
	A cedar 8 ins.dia.bears N.27° 45'E. 42 lks.dist. marked T 41 S R 12 W S 2 B T
	A cedar 12 ins.dia., bears N.22° 30'W. 67 lks.dist. marked T 41 S R 12 W S 3 B T
	A cedar, 14 ins.dia., bears S.66° 15'W. 98 lks. dist., marked T 41 S R 12 W S 10 B T

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Chains.	
	A pinon pine, 12 ins.dia., bears S.23° 50'E. 1.40 chs.dist., marked T 41 S R 12 W S 11 B T
	Land, mountainous and rolling mesa.
	Soil, rocky; 4th rate.
	Timber, scrub cedar and pinon pine.
	Undergrowth, shadscale.
	Mountainous land 55.25 chs. Sept.23, 1909.
	Sept.24: At 7 h. 22 m.a.m.l.m.t.I set off 37° 15'N.on lat.arc; 0° 19'S.on decl.arc; and determine a meridian with the solar at the cor.of secs.2,3,10, and 11.
	Thence I run
	N.89° 53'E.on a random line bet.secs.2 and 11,
40.00	Set temp. 1/4 sec.cor.
80.10	Intersect N. and S.line 9 lks.N.of the cor.of secs.,2, , and 11. Thence I run, through undergrowth
	S.89° 57'W.on true line bet.secs.2 and 11,
	Gradually descending along SW.slope of mesa into gulch.
19.50	Gulch, 100 ft.below sec.cor., course SE. Ascend mesa.
31.00	Top of mesa, 200 ft.above gulch, bears NW. and SE.
	Thence over rolling mesa.
	Leave undergrowth; enter dense timber, bears NW. and SE.
40.05	Set an iron post 3 ft.long, 1 in.dia., 26 ins.in the ground, for 1/4 sec.cor., marked on brass cap, 1/4 S 2 in N.half, S 11 in S.half; from which
	A pine, 12 ins.dia., bears N.29° 45'E. 93 lks. dist., marked 1/4 S 2 B T
	A pine, 14 ins.dia., bears S.19° 30'E. 94 lks.dist. marked 1/4 S 11 B T
46.10	Wash,20 lks.wide,3 ft.deep, course NE. Ascend gradually over rough rocky surface.
51.00	Foot of spur, 20 ft.above wash,bears NW.and SE.Ascend.
58.25	Top of spur,30 ft.above foot,bears NW. and SE. Descend.
60.00	Ravine, 25 ft.below spur, course S. Ascend.

Chains:
66.00 Top of ascent,15 ft.above ravine,bears N. and S. Desc.

70.00 Ravine,15 ft.deep, course SE. Ascend.

80.10 The cor.of secs.2,3,10, and 11.

Land, mountainous and rolling mesa.

Soil, rocky;4th rate.

Timber,scrub cedar and pinon pine.

Undergrowth shadscale.

Mountainous land 66.00 chs.

Sept.24: At this cor.I set off 0° 25'S.on decl.arc;and at 11 h. 52 m.a.m.l.m.t.observe the sun on the meridian; the resulting lat.is 37° 15'N.

N.0° 01'E.bet.secs.2 and 3,

Ascending ridge; through dense timber;very rough.

40.00 Set an iron post 3 ft.long, 1 in.dia., 26 ins.in the ground, for 1/4 sec.cor., marked on brass cap, 1/4 S 3 in W.half, S 2 in E.half; from which

A cedar 14 ins.dia., bears N.10° 15'E. 1.26 chs. dist., mkd.1/4 S 2 B T

A cedar 10 ins.dia., bears N.18° 45'W. 1.05 chs. dist., mkd.1/4 S 3 B T

Corner stands on S.slope of ridge, 250 ft.above sec.cor.

42.50 Top of rapid ascent; cliffs 20 ft.high, 75 ft.above 1/4 sec.cor., bear NE. and SW. Ascend gradually.

56.00 Top of ridge, bears NE. and SW.

83.89 Intersect Eighth Standard Parallel South 6.58 chs.E.of standard cor.of secs.34 and 35, heretofore described.

Set an iron post 3 ft.long, 2 ins.dia., 24 ins.in the ground, for closing cor.of secs.2 and 3, mkd.on brass cap

C C T 40 S R 12 W S 34 S 35 in N.half,

S 2 in SE., and S 3 in SW.quadrants;from which

A pine 10 ins.dia. bears S.76° 30'E. 1.60 chs. dist., mkd. C C T 41 S R 12 W S 2 B T

No other bearing trees within limits; raise a mound

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Chains	
	of stone 2 1/2 ft.base, 2 ft.high S.of cor.
	Land, mountainous.
	Soil, rocky; 4th rate.
	Timber, scrub cedar and pinon pine.
	Mountainous land 83.89 chs.
	Sept.24, 1909. Ralph Linley U.S.Dep.Surveyor.
	Sept.22, 1909: At 7 h. 23 m.a.m.l.m.t.I set off 37° 12' N.on lat.arc; 0° 27'N.on decl.arc; and determine a meridian with the solar at the re-established 1/4 sec.cor. bet.secs.21 and 22, heretofore described.
	Thence I run
	North on true line bet.secs.21 and 22,
	Over rolling land; through shadscale undergrowth.
	Oil rig bears from 1/4 sec.cor.N.10° W. 45 lks.dist.
7.00	Wash, 20 lks.wide, 4 ft.deep, course S.30° E.
40.00	Set an iron post 3 ft.long, 2 ins.dia., 24 ins.in the ground, for cor.of secs.15,16,21, and 22, marked on brass cap,
	T 41 S S 16 in NW.
	R 12 W S 15 in NE.
	S 22 in SE., and
	S 21 in SW.quadrants; and raise a mound of stone 2 1/2 ft.base, 2 ft.high W.of cor.
	Land, rolling.
	Soil, gravelly; 3d rate.
	No timber.
	Undergrowth shadscale.
	East on a random line bet.secs.15 and 22,
40.00	Set temp. 1/4 sec.cor.
81.17	Intersect N. and S.line 42 lks.S.of the cor.of secs.14,

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Chains.	
	15,22, and 23, heretofore described.
	Thence I run
	S.89° 42'W.on a true line bet.secs.15 and 22,
	Over rolling land; through shadscale undergrowth.
	An oil rig bears S.88° 15'E. 18.40 chs.
10.60	Wash, 40 lks.wide, 5 ft.deep, course S.
12.15	Road, bears N.20° W. and S.20° E.
26.25	Wash, 50 lks.wide, 5 ft.deep, course S.
40.58	Set an iron post 3 ft.long, 1 in.dia., 26 ins.in the ground, for 1/4 sec.cor., marked on brass cap, 1/4 S 15 in N.half, S 22 in S.half; and raise a mound of stone 2 1/2 ft.base, 2 ft.high N.of cor.
52.05	Wash, 15 lks.wide, 3 ft.deep, course S.25° E.
52.40	Old road, bears N. and S.
65.50	Wash, 30 lks.wide, 2 ft.deep, course S.15° E.
72.50	Wash, 30 lks.wide, 5 ft.deep, course S.20° E.
81.17	The cor.of secs.15,16,21, and 22.
	Land, rolling.
	Soil, gravelly; 3d rate.
	No timber.
	Undergrowth shadscale.

	From the re-established 1/4 sec.cor.bet.secs.20 and 21, heretofore described, I run
	N.0° 01'W.bet.secs.20 and 21,
	Over rolling land; through shadscale undergrowth.
24.00	Begin abrupt ascent, bears N.70° E. and S.70° W.
40.00	Set an iron post 3 ft.long, 2 ins.dia., 24 ins.in the ground, for cor.of secs.20 and 21,only; knowing I can shall have to set closing corner from the north I mark this corner for two secs.as follows:
	T 41 S S 20 in SW. and

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Chains.	
	R 12 W S 21 in SE.quadrants; and raise a mound of stone 2 1/2 ft.base, 2 ft..high W.of cor.
	Land, rolling.and mountainous.
	Soil, gravelly and rocky; 3d and 4th rates.
	No timber.
	Undergrowth shadscale.
	East on a random line bet.secs.16 and 21,
40.00	Set temp. 1/4 sec.cor.
81.52	Intersect N. and S.line 47 lks.N.of the cor.of secs.15, 16,21, and 22. Thence I run N.89° 40 'W.on a true line bet.secs.16 and 21,
	Over rolling land; through shadscale undergrowth.
9.00	Wash, 15 lks.wide, 3 ft.deep, course S.
15.10	Wash, 1 ch.wide, 30 ft.deep, course SE.
39.14	Wash, 3 chs.wide, 50 ft.deep, course S.
40.76	Set an iron post 3 ft.long, 1 in.dia., 26 ins.in the ground, for 1/4 sec.cor., marked on brass cap, 1/4 S 16 in N.half, S 21 in S.half, and raise a mound of stone 2 1/2 ft.base, 2 ft.high N.of cor.
	Corner stands on W.bank of wash.
	Ascend gradually.
58.10	East bank of ravine, course S.20° E.
	Descend.
61.25	Bottom of ravine 100 ft.below top, heads 10 chs.NW., course SE.
	Ascend.
70.75	Top of west bank of ravine, 100 ft.above bottom, course SE.
81.52	The cor.of secs. 20 and 21.
	Land, rolling, broken by ravines.
	Soil, rocky; 4th rate.
	No timber.
	Undergrowth saadscale.

Chains. Sept.22: At this cor.I set off 0° 22'N.on the decl.arc and at 11 h. 53 m.a.m.l.m.t.observe the sun on the meridian; the resulting lat.is 37° 12'N.

From the re-established 1/4 sec.cor.bet.secs.19 and 20, heretofore described, I run

N.0° 01'W.bet.secs.19 and 20,

Over rolling land; through shadscale undergrowth.

14.75 Telephone line bears N.70° W. and S.70° E., from Toquerville to Virgin City.

24.00 Foot of bench, bears E. and W. Ascend.

33.25 Top of bench, 200 ft.above foot, bears E. and W.

Thence over rolling bench land.

40.00 Set an iron post 3 ft.long, 2 ins.dia., 24 ins.in the ground, for cor.of secs.19 and 20 only,(knowing that a closing corner will be set from the north); marked on brass cap,

S 19 T 42 S in SW.

S 20 R 12 W in SE.quadrants; and raise a mound of stone 2 1/2 ft.base, 2 ft.high W.of cor.

Land, rolling and bench.

Soil, gravelly and rocky; 3d and 4th rate.

Undergrowth shadscale.

No timber.

S.89° 55'E.on a random line bet.secs.17 and 20,

40.00 Set temp. 1/4 sec.cor.

81.86 Intersect N. and S.line 10 lks.N.of the cor.of secs. 20 and 21, Thence I run

N.89° 51'W.on a true line bet.secs.17 and 20,

Ascending spur; through shadscale undergrowth.

4.25 Top of spur, 25 ft.above sec.cor., bears NE. and SW.

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Chains.	
	Descend.
11.50	Bottom of ravine, 35 ft.below top, course S. Ascend.
15.50	Top of spur, 35 ft.above ravine,bears N. and S.Descend.
23.75	Foot of spur,60 ft.below top, bears N. and S.
	Thence over broken surface.
40.93	Set an iron post 3 ft.long, 1 in.dia., 26 ins.in the ground, for ¼ sec.cor., marked on brass cap, ¼ S 17 in N.half, S 20 in S.half; and raise a mound of stone 2½ ft.base, 2 ft.high N.of cor.
59.75	Wash, 30 lks.wide, 4 ft.deep, course S. Ascend bench.
71.25	Top of bench, 150 ft.above foot, bears N. and S.
	Thence over rolling bench.
81.86	The cor.of secs.19 and 20,
	Land, mountainous and broken.
	Soil, rocky; 4th rate.
	No timber. Undergrowth shadscale.
	Mountainous land 71.25 chs.

Knowing that the ¼ sec.cor.bet.secs.18 and 19 is not in place, I run

West on a random line bet.secs.18 and 19,

40.00	Find no trace of ¼ sec.cor. Set temp. ¼ sec.cor.
80.70	Intersect W.bdy.of Tp. 60 lks.S.of the cor.of secs.13, 18,19, and 24, which is a sandstone 16x8x6 ins.above ground, firmly set and marked and witnessed as described by the surveyor general.

Set an iron post 3 ft.long, 2 ins.dia. 24 ins.in the ground, for closing cor.of secs.18 and 19, marked on brass cap,

T 41 S in N.

C C S 13 S 24 R 13 W in W.half

S 18 in NE., and

S 19 R 12 W in SE.quadrant; and raise a mound

Chains.	
	of stone 2½ ft.base, 2 ft.high E.of cor.
	I destroy all marks on the old cor.pertaining to secs. 18 and 19. Thence I run
	East on true line bet.secs.18 and 19,
	Gradually ascending through shadscale undergrowth.
12.45	Bottom of swale,20 ft.below cor.,course S.60° W. Ascend.
16.70	Top of ascent, 20 ft.above swale;thence over rolling land.
20.45	Telephone line, Virgin City to Toquerville, bears N.60° W. and S.60° E.
22.00	Road, bears N.40° W. and S.40° E.
28.73	Road, bears NW. and SE.
39.91	Wash, 20 lks.wide, 2 ft.deep,course S.20° E.
40.70	Set an iron post 3 ft.long, 1 in.dia., 26 ins.in the ground for ¼ sec.cor., marked on brass cap, ¼ S 18 in N.half, S 19 in S.half; and raise a mound of stone 2½ ft.base, 2 ft.high N.of cor.
43.20	Foot of red clay ridge,bears N. and S. Ascend.
44.00	Top of ridge,40 ft.above foot, bears S.10 chs. Descend.
45.75	Foot of ridge. Wash 25 lks.wide, 4 ft.deep, course S. Thence over rough broken surface.
53.30	Wash, 25 lks.wide, 3 ft.deep, course SW.
57.20	Recross wash, course N.20° W.
59.25	Recross wash, course SW.
59.50	Foot of bench bears N. and S. Ascend.
63.00	Top of bench, 200 ft.above foot, bears S.30° W. and N. 30° E. Thence over rolling bench.
80.70	The cor.of secs.19 and 20.
	Land, rolling and mountainous.
	Soil, rocky; 4th rate.
	No timber. Undergrowth shadscale.
	Mountainous land 80.70 chs. Sept.22, 1909.

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Chains	
	The N.bdys.of secs.19,20,21, and 22 being out of limit in length, I proceed to the cor.of secs.10,11,14, and 15,as instructed,and run sectional correction line.
	Sept.23: At 7 h. 23 m.a.m.l.m.t.I set off 37° 14'N.on lat.arc; 0° 04'N.on decl.arc; and determine a meridian with the solar at the cor.of secs.10,11,14, and 15. Thence I run
	West on sectional correction line bet.secs.10 and 15,
	Over rolling land;through shadscale undergrowth.
4.25	Wash, 60 lks.wide,10 ft.deep, course S.30° W.
16.00	Wash, 70 lks.wide, 5 ft.deep, course S.20° W.
18.25	Old road bears SE. and NW.
19.25	Wash, 1 ch.wide, 5 ft.deep, course SE.
40.00	Set an iron post 3 ft.long, 1 in.dia., 26 ins.in the ground, for ¼ sec.cor., mkd.on brass cap,¼ S 10 in N. half,S 15 in S.half;and raise a mound of stone 2½ ft. base,2 ft.high N.of cor.Cor.is about 40 ft.above sec. cor. Ascend gradually over broken clay land.
45.10	Wash,30 lks.wide, 3 ft.deep, course SE.
53.00	Wash, 20 lks.wide,8 ft.deep, course SE.
55.00	Recross wash, course N.75° E.
71.00	Foot of rough mesa,40 ft.above ¼ sec.cor.,bears N. and S. Ascend.
80.00	Set an iron post 3 ft.long, 2 ins.dia., 24 ins.in the ground, for cor.of secs.9,10,15, and 16, marked on brass cap, T 41 S S 9 in NW. R 12 W S 10 in NE. S 15 in SE., and S 16 in SW.quadrants;and raise a mound of stone 2½ ft.base, 2 ft.high W.of cor.
	Land, rolling and mountainous.
	Soil, gravelly and rocky; 3d and 4th rates.
	Undergrowth shadscale. No timber.

SUBDIVISION OF T. 41 S., R. 12 W.

Chains	
	Mountainous land 40.00 chs.
	Sept.23,1909:At this cor.I set off 0° 13'N.on decl.arc; and at 11 h. 53 m.a.m.l.m.t.observe the sun on the meridian; the resulting lat.is 37° 14'N.
	West on sectional correction line bet.secs.9 and 16, Ascending very rough mesa.
28.00	Foot of cliffs, 400 ft.above sec.cor., bear NE. and SW.
28.50	Top of cliffs and mesa,100 ft.above foot. Enter dense timber,bears NE. and SW.Thence over rolling mesa.
40.00	Set an iron post 3 ft.long, 1 in.dia., 26 ins.in the ground, for ¼ sec.cor., mkd.on brass cap, ¼ S 9 in N. half S 16 in S.half;from which
	A pine 10 ins.dia.bears N.11° 40'E. 13 lks.dist. mkd ¼ S 9 B T
	A pine 10 ins.dia.bears S.80° 00'E. 12 lks.dist. mkd.¼ S 16 B T
80.00	Set an iron post 3 ft.long,2 ins.dia.,24 ins.in the ground,for cor.of secs.8,9,16,and 17,mkd.on brass cap T 41 S S 8 in NW. R 12 W S 9 in NE. S 16 in SE.; and S 17 in SW.quadrants;from which
	A pine 12 ins.dia.bears N.59° 30'W. 1.30 chs.dist. marked T 41 S R 12 W S 8 B T
	A pine 10 ins.dia.bears N.45° 15'E. 91 lks.dist. marked T 41 S R 12 W S 9 B T
	A pine 12 ins.dia.bears S.28° E. 25 lks.dist. marked T 41 S R 12 W S 16 B T
	A pine 14 ins.dia.bears S.66° 10'W. 71 lks.dist. marked T 41 S R 12 W S 17 B T
	Land, rolling mesa, and mountainous.
	Soil, sandy and rocky; 3d and 4th rates.

Chains	
	Timber, scrub cedar and pinon pine.
	Mountainous land 28.50 chs.
	Heavily timbered land 51.50 chs. Sept.23, 1909.
	Sept.24: At 7 h. 22 m.a.m.l.m.t.I set off 37° 14'N.on lat.arc; 0° 19'S.on decl.arc; and determine a meridian with the solar at the cor.of secs.8,9,16, and 17. Thence I run
	West on sectional correction line bet.secs.8 and 17,
	Over rolling mesa; through dense timber.
27.56	Top of cliffs and mesa, bear N.20° W. and S.20° E.
	Leave timber; descend over cliffs.
28.00	Foot of cliffs 80 ft.below top; thence descend very rough west slope of mountain.
40.00	Set an iron post 3 ft.long, 1 in.dia., 26 ins.in the ground, for ¼ sec.cor., marked on brass cap, ¼ S 8 in N.half, S 17 in S.half; and raise a mound of stone 2½ ft.base, 2 ft.high on large boulder 7 lks.NE.of post. Most available point for mound.
46.50	Wash, 400 ft.below top of mesa, 40 lks.wide, 10 ft. deep, course S. Ascend spur; very rough.
76.00	Top of spur, 150 ft.above wash, bears N. and S. Descend.
80.00	Set an iron post 3 ft.long, 2 ins.dia., 26 ins.in the ground, for cor.of secs.7,8,17, and 18, marked on brass cap, T 41 S S 7 in NW. R 12 W S 8 in NE. S 17 in SE.; and S 18 in SW.quadrants; and raise a mound of stone 2½ ft.base, 2 ft.high W.of cor.
	Corner stands on W.slope of spur, 100 ft.below top.
	Land, rolling mesa and mountainous; very rough.
	Soil, rocky; 4th rate.

SUBDIVISION OF T. 41 S., R. 12 W.

Chains	
	Timber, scrub cedars and pinon pine.
	Mountainous land 52.44 chs.
	Sept.24, 1909:At this cor.I set off 0° 25'S.on decl.arc and at 11 h. 52 m.a.m.1 m.t., observe the sun on the meridian; the resulting lat.is 37° 14'N.
	West on sectional correction line bet.secs.7 and 18,
	Descending west slope of spur; very rough.
7.00	Foot of descent, 50 ft.below cor.
	Ascend spur; very rough.
20.00	Top of spur, 250 ft.above foot, bears NE. and SW. Desc.
40.00	Set an iron post 3 ft.long, 1 in.dia., 26 ins.in the ground, for ¼ sec.cor., marked on brass cap ¼ S 7 in N.half, S 18 in S.half; and raise a mound of stone 2½ ft.base, 2 ft.high N.of cor. Corner stands on W.slope of mesa, 250 ft.below top of spur.
50.00	Foot of mesa, 150 ft.below ¼ sec.cor., bears NW. and SE. Descend gradually.
	Enter shadscale undergrowth bears N. and S.
73.14	Old road bears NW. and SE.
84.82	Intersect W.bdy.of Tp.2.03 chs.S.of cor.of secs.7,12,13 and 18, which is a limestone 8x8x6 ins.above ground, firmly set and marked and witnessed as described by the surveyor general.
	Set an iron post 3 ft.long,2 ins.dia.,24 ins.in the ground,for closing cor.of secs.7 and 18,marked on brass cap, T 41 S in N. C C S 12 S 13 R 13 W in W.half, S 7 in NE., and S 18 R 12 W in SE quadrant; and raise a mound of stone 2½ ft.base, 2 ft.high E.of cor. I destroy all marks on the old cor.pertaining to secs.7 and 18.

SUBDIVISION OF T. 41 S., R. 12 W.

Chains	
	This cor.is about 40 ft.below foot of mesa.
	Land, mountainous.
	Soil, gravelly, rocky; 3d and 4th rates.
	Undergrowth, shadscale. No timber.
	Mountainous land, or land covered with dense undergrowth 84.82 chs. Sept.24, 1909.
	Robert E. L. Collier U.S.Deputy Surveyor.
	Sept.25, 1909: At 7 h. 22 m.a.m.l.m.t.I set off 37° 14' N.on lat.arc; 0° 43'S.on decl.arc; and determine a meridian with the solar at the cor.of secs.9,10,15, and 16. Thence I run
	South bet.secs.15 and 16,
	Descend mesa; very rough; through undergrowth.
3.00	Wash, 30 ft.below sec.cor.,25 lks.wide,15 ft.deep, course E. Ascend.
9.30	Top of spur, 40 ft.above wash,projects E.5 chs.Descend.
13.60	Foot of spur, 80 ft.below top. Wash,30 lks.wide, 5 ft. deep, course S.30° E. Thence over uneven broken surface.
21.00	Wash, 30 lks.wide, 5 ft.deep, course SE.
35.50	Wash, 30 lks.wide, 5 ft.deep, course S.60° E.
40.00	Set an iron post 3 ft.long, 1 in.dia., 26 ins.in the ground, for ¼ sec.cor., marked on brass cap, ¼ S 16 in W.half, S 15 in E.half; and raise a mound of stone 2½ ft.base, 2 ft.high W.of cor.
48.00	Leave broken surface; thence over rolling land.
80.72	Intersect E. and W.line 93 lks.E.of the cor.of secs.15, 16,21, and 22,
	Set an iron post 3 ft.long, 2 ins.dia., 24 ins.in the ground, for closing cor.of secs.15 and 16, marked on brass cap,

Chains.

T 41 S R 12 W in N.half,

C C S 21 S 22 in S½half,

S 16 in NW. and S. 15 in NE.quadrants; and raise a mound of stone 2½ ft.base, 2 ft.high N.of cor. I destroy all marks on the cor.set for secs.15,16,21 and 22 that pertain to secs.15 and 16.

Land, rolling and mountainous.

Soil, gravelly and rocky; 3d and 4th rate.

No timber. Undergrowth shadscale.

Mountainous land 48.00 chs.

Sept.25, 1909: At this cor.I set off 0° 49'S.on decl.arc; and at 11 h. 52 m.a.m.l.m.t.observe the sun on the meridian; the resulting lat.is 37° 13'N.

North bet.secs.9 and 10,

Ascending mesa; very rough.

18.75 Top of spur,150 ft.above sec.cor.bears S.60° E. 5 chs.

Descend.

30.50 Wash,50 lks.wide,10 ft.deep,course S.60° E. Ascend.

35.40 Top of spur,160 ft.above wash,projects S.60° E. 20 chs.

Descend.

37.00 Wash,40 lks.wide,10 ft.deep,course S.60° E. Ascend.

40.00 Set an iron post 3 ft.long, 1 in.dia., 26 ins.in the ground, for ¼ sec.cor., marked on brass cap, ¼ S 9 in W.half, S 10 in E.half; from which

A lone pine 7 ins.dia.bears S.45° 40'W. 73 lks. dist., marked ¼ S 9 B T

Raise a mound of stone 2½ ft.base, 2 ft.high W.of cor.

Corner stands on S.slope of mesa, 50 ft.above wash.

58.00 Foot of cliffs,350 ft.above ¼ sec.cor.bear E. and W.

59.25 Top of cliffs, 100 ft.above foot; and mesa bears E. and W.

SUBDIVISION OF T. 41 S., R. 12 W.

Chains. Enter timber and sagebrush undergrowth, bear N. and S.
Thence over rolling mesa.

78.05 Old road bears NW. and SE.

80.00 Set an iron post 3 ft.long, 2 ins.dia., 24 ins.in the ground, for cor.of secs.3,4,9, and 10, marked on brass cap,

T 41 S S 4 in NW,
R 12 W S 3 in NE.
S 10 in SE., and
S 9 in SW.quadrants; from which

A cedar 12 ins.dia., bears N.5° 45'W. 45 lks.dist. marked T 41S R 12 W S 4 B T

A cedar 20 ins.dia., bears N.74° 50'E. 84 lks. dist., marked T 41 S R 12 W S 3 B T

A pine 7 ins.dia.bears S.30° 20'E. 46 lks.dist. marked T 41 S R 12 W S 10 B T

A pine 8 ins.dia., bears S.16° W.85 lks.dist. marked T 41 S R 12 W S 9 B T

Land, rolling mesa and mountainous.

Soil, sandy and rocky; 2d and 4th rate.

Timber, scrub cedars and pinon pine.

Undergrowth sagebrush.

Mountainous land 59.25 chs. Sept.25, 1909.

Sept.26, 1909: At 7 h. 21 m.a.m.l.m.t.I set off 37° 15' N.on the lat.arc; 1° 06'S.on decl.arc; and determine a meridian with the solar at the coroof secs.3,4,9 and 10.

Thence I run

East on a random line bet.secs.3 and 10,

40.00 Set temp. 1/4 sec.cor.

80.15 Intersect N. and S.line 24 lks.N.of the cor.of secs.2, 3,10, and 11. Thence I run

N.89° 50'W.on true line bet.secs. 3 and 10,

SUBDIVISION OF T. 41 S., R. 12 W.

Chains.	Over series of spurs and ravines; through timber; descending.
22.00	Foot of descent, 50 ft.below sec.cor., bears N. and S.
	Ascend.
32.50	Top of spur, 60 ft.above foot. bears N. and S.
	Descend.
40.07½	Set an iron post 3 ft.long, 1 in.dia., 26 ins.in the ground, for 1/4 sec.cor., marked on brass cap, 1/4 S 3 in N.half, S 10 in S.half; from which
	A pine 6 ins.dia., bears N.5° E. 1.34 chs.dist. mkd.1/4 S 3 B T
	A cedar 8 ins.dia., bears S.71° 30'W. 61lks.dist. mkd.1/4 S 10 B T.
42.60	Foot of spur, 30 ft.below top, bears N. and S.
	Thence over level land.
50.00	Foot of spur, bears N. and S.; ascend.
53.00	Top of spur, 20 ft.above foot. Descend.
66.25	Foot of descent, 50 ft.below top of spur, bears N.and S. Ascend.
70.25	Top of spur, 40 ft.above foot, projects S.
	Descend.
80.15	The cor.of secs.3,4,9, and 10.
	Land, mountainous.
	Soil, rocky; 4th rate.
	Timber, scrub cedars and pinon pine.
	Mountainous land 72.75 chs.
	Sept.26: At this cor.I set off 1° 12'S.on decl.arc; and at 11 h. 51 m.a.m.l.m.t.observe the sun on the meridian; the resulting lat.is 37° 15'N.
	North bet.secs.3 and 4,
	Gradually ascending through timber.
8.00	Top of ascent, 20 ft.above cor., bears E. and W. Desc.
12.25	Wash, 15 ft.below top of ascent, 20 lks.wide, 2 ft.deep,

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Chains.	
	S 24 in SW.quadrant; from which
	A cedar 14 ins.dia.bears N.50° 15'W. 2.04 chs.dist.
	marked T 41 S R 12 W S 13 B T
	No other bearing trees within limits; raise a mound of
	stone 2½ ft.base, 2 ft.high W.of cor.
	Thence I run
	West on a true line bet.secs.13 and 24,
	Ascending mountain; through timber.
4.00	Top of mountain, 75 ft.above closing cor., bears N. and
	S.15° W. Descend gradually.
26.00	Top of cliffs, 50 ft.below top of mountain, bears S.10°
	W. and N.10° E. Descend abruptly.
	Leave timber, bears N.10° E. and S.10° W.
40.24	Set an iron post 3 ft.long, 1 in.dia., 26 ins.in the
	ground, for ¼ sec.cor., marked on brass cap ¼ S 13 in
	N.half, S 24 in S.half; and raise a mound of stone 2½
	ft.base, 2 ft.high N.of cor.
	Corner stands on W.slope of mountain, 300 ft.below the
	top.
	Sept.20: At this cor.I set off 1° 08'N.on decl.arc; and
	at 11 h. 54 m.a.m.l.m.t.observe the sun on the merid-
	ian; the resulting lat.is 37° 13'N.
76.00	Foot of mountain, 500 ft.below ¼ sec.cor., bears N.20°
	W. and S.20° E. Descend gradually.
80.40	Bank of North Creek, 20 ft.below foot of mountain,course
	S.70° W.
80.48	Point for cor.of secs.13,14,23, and 24, in North Creek,
	6 chs.N.of witness cor.
	Land, mountainous.
	Soil rocky;4th rate.
	Timber, scrub cedars and pinon pine.
	Mountainous land 80.48 chs. Sept.20, 1909.

Robert E. L. Collied
U.S.Deputy Surveyor.

Chains	
	Note:
	The Examiner of Surveys having found the ¼ sec.cor. bet.secs.16 and 17, set under this contract Sept.25, 1909, out of place, I therefore rerun the line bet.secs. 16 and 17 as follows:
	March 11,1910: At 8 h.10 m.a.m.l.m.t., I set off 37° 14' N.on lat.arc; 3 °52 ' S.on decl.arc; and determine a meridian with the solar at the cor.of secs.8,9,16, and 17. Thence I run
	S.0° 01'E.bet.secs.16 and 17,
	Over rolling mesa; through dense timber.
26.60	Top of mesa, bears N.60° E. and S.60° W. Descend abruptly over cliffs; leave timber bears N.60° E. and S.60°W.
27.00	Foot of cliffs, 100 ft.below top. Descend over very rough mesa.
38.50	Find iron post set for ¼ sec.cor.Sept.25, 1909, 20 lks. E.of line. As point for ¼ sec.cor.will fall on precipitous slope, where it cannot be set; therefore I move the iron post back to line, and at this point set it 26 ins.in the ground, and mark it T 41 S R 12 W W C in N.; with the ¼ S 17 in W. and S 16 in E.half; and raise a mound of stone 2½ ft.base, 2 ft.high W.of cor. for witness ¼ sec.cor.for secs.16 and 17.
40.00	Point for ¼ sec.cor.; corner not set.
57.50	Top of spur, 150 ft.below ¼ sec.cor.,projects 10 chs.SE.
80.20	Intersect E. and W.line 2.45 chs.E.of the cor.of secs. 20 and 21.
	Set an iron post 3 ft.long, 2 ins.dia., 24 ins .in the ground, for closing cor.of secs.16 and 17, marked on brass cap,
	T 41 S R 12 W in N.half,
	S 17 in NW., and
	S 16 in NE.quadrant;

Chains.

C C S 20 S 21 in S.half; and raise a mound of stone $2\frac{1}{2}$ ft.base, 2 ft.high N.of cor.

Land, rolling mesa and mountainous; very rough.

Soil, rocky; 4th rate.

Timber, scrub cedar and pinon pine.

Mountainous land 53.60 chs.

March 11, 1910.

Sept.25, 1909: At the closing cor.of secs.16 and 17 I set off 0° 49'S.on decl.arc; and at 11 h. 52 m.a.m. l.m.t.observe the sun on the meridian; the resulting lat.is 37° 13'N. Thence I run

N.0° 01'W.bet.secs.8 and 9,

Over rolling mesa; through dense timber.

40.00 Set an iron post 3 ft.long, 1 in.dia., 26 ins.in the ground, for $\frac{1}{4}$ sec.cor., marked on brass cap, $\frac{1}{4}$ S 8 in W.half, S 9 in E.half; from which

A cedar 12 ins.dia.bears N.45° 40'W. 1.27 chs.dist. marked $\frac{1}{4}$ S 8 B T

A cedar 16 ins.dia.bears S.42° 10'E. 10 lks.dist. marked $\frac{1}{4}$ S 9 B T

Enter sagebrush undergrowth, bears E. and W.

80.00 Set an iron post 3 ft.long, 2 ins.dia., 24 ins.in the ground, for cor.of secs.4,5,8,and 9,mkd.on brass cap,

T 41 S S 5 in NW.

R 12 W S 4 in NE.

S 9 in SE., and

S 8 in SW.quadrants; from which

A cedar 12 ins.dia.bears N.15° E. 38 lks.dist.mkd. T 41 S R 12 W S 4 B T

A cedar 10 ins.dia.bears N.64° 30'W. 33 lks.dist. marked T 41 S R 12 W S 5 B T

A cedar 12 ins.dia.bears S.80° 15'W. 82 lks.dist.

Chains	
	marked T 41 S R 12 W S 8 B T
	A cedar 8 ins.dia.bears S.54° 30'E. 64 lks.dist.
	marked T 41 S R 12 W S 9 B T
	Land, rolling mesa.
	Soil, rocky and sandy; 2d and 4th rate.
	Timber, scrub cedar and pinon pine.
	Undergrowth, sagebrush.
	First half-mile thin layer of soil, with sandstone outcroppings; second half, soil becomes thicker.
	Sept.25, 1909.
	Sept.26: At 7 h. 21 m.a.m.l.m.t.I set off 37° 13'N.on lat.arc; 1° 06'S.on decl.arc; and determine a meridian with the solar at the cor.of secs.4,5,8, and 9. Thence I run
	East on a random line bet.secs.4 and 9,
40.00	Set temp. ¼ sec.cor.
80.00	Intersect N. and S.line at the cor.of secs.3,4,9, and 10. Thence I run
	West on a true line bet.secs.4 and 9,
	Over rolling mesa; through timber and sagebrush undergrowth.
1.90	Old wagon road, bears NW. and SE.
11.40	Wash, 20 lks.wide, 6 ft.deep, course S.
36.70	Wash, 15 lks.wide, 2 ft.deep, course S.70° E.
40.00	Set an iron post 3 ft.long, 1 in.dia., 26 ins.in the ground, for ¼ sec.cor., marked on brass cap ¼ S 4 in N.half, S 9 in S.half; from which
	A cedar 16 ins.dia.bears N.39° 30'E. 77 lks.dist. marked ¼ S 4 B T
	A cedar 12 ins.dia.bears S.2° 40'E. 61 lks.dist. marked ¼ S 9 B T
80.00	The cor.of secs.4,5,8, and 9.

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Land, rolling mesa. Soil, sandy; 2d rate.

Chains. Timber, scrub cedar and pinon pine.

Undergrowth sagebrush.

Sept.26, 1909: At this cor.I set off 1° 12'S.on decl. arc; and at 11 h. 52 m.a.m.l.m.t.observe the sun on the meridian; the resulting lat.is 37° 13' N.

N.0° 01'W.bet.secs.4 and 5,

Over rolling mesa; through timber and sagebrush undergrowth.

40.00 Set an iron post 3 ft.long, 1 in.dia., 26 ins.in the ground, for 1/4 sec.cor., marked on brass cap, 1/4 S 5 in W.half, S 4 in E.half; from which

A cedar 18 ins.dia., bears N.55° 35'E. 11 lks.dist. marked 1/4 S 4 B T

A cedar 6 ins.dia., bears S.75° 18'W. 48 lks.dist. marked 1/4 S 5 B T

83.96 Intersect Eighth Standard Parallel South 6.80 chs.E.of the standard cor.of secs.32 and 33, heretofore described.

Set an iron post 3 ft.long, 2 ins.dia., 24 ins.in the ground, for closing cor.of secs. 4 and 5, marked on brass cap,

C C T 40 S R 12 W S 32 S 33 in N.half,

S 4 in SE. and

S 5 in SW.quadrant; from which

A cedar 12 ins.dia., bears S.12° 50'E. 67 lks.dist. mkd.C C T 41S R 12 W S 4 B T

A cedar, 6 ins.dia., bears S.60° 20'W. 32 lks.dist. mkd.C C T 41 S R 12 W S 5 B T

Land, rolling mesa.

Soil, sandy loam; 2d rate.

Timber, scrub cedar and pinon pine.

Undergrowth, sagebrush. Sept.26, 1909.

Robert E. L. Callard

U.S.Dep.Surveyor.

Chains	
	Sept.27, 1909: At 7 h. 21 m.a.m.l.m.t.I set off 37° 14' N.on lat.arc; 1° 30'S.on decl.arc; and determine a meridian with the solar at the cor.of secs.7,8,17, and 18.
	Thence I run
	S.0° 0E'E. bet.secs.17 and 18,
	Descending very rough spur, sloping to the west.
20.25	Foot of spur, 150 ft.below sec.cor. bears E. and W.
	Enter shadscale undergrowth, bears E. and W.; thence over nearly level bench land.
40.00	Set an iron post 3 ft.long, 1 in.dia., 26 ins.in the ground, for 1/4 sec.cor., marked on brass cap, 1/4 S 18 in W.half, S 17 in E.half; and raise a mound of stone 2 1/2 ft.base, 2 ft.high W.of cor.
41.45	Top of wash, bears E. and W.
	Descend abruptly.
46.25	Wash, 50 ft.below top, 40 lks.wide, 2 ft.deep, course W. Ascend.
47.45	Top of washnt, 50 ft.above wash, bears E. and W.
	Ascendd.
49.75	Top of ascent, 20 ft.above top of wash, bears E. and W.
	Descend.
53.50	Top of box gulch, 20 ft.below top of ascent, bears E. and W.; descend abruptly.
57.25	Bottom of gulch, 75 ft.below top, heads 4 chs.E. course W.; 3 ft.deep.
	Ascend.
61.75	Top of box gulch, 75 ft.above bottom, bears NE. and SW.
	Thence over nearly level bench.
80.00	Intersect E. and W.line 4.31 chs.E.of the cor.of secs. 19 and 20.
	Set an iron post 3 ft.long, 2 ins.dia., 24 ins.in the ground, for closing cor.of secs. 17 and 18, marked on

SUBDIVISION OF T. 41 S., R. 12 W.

Chains.	
	brass cap,
	T 41 S R 12 W in N.half,
	S 18 in NW., and
	S 17 in NE.quadrant;
	C C S 19 S 20 in S.half; and raise a mound of of stone 2 1/2 ft.base, 2 ft.high N.of cor.
	Land, nearly level, and mountainous.
	Soil, gravelly and rocky, 3d and 4th rate.
	Undergrowth, shadscale.
	No timber.
	Mountainous land 41.50 chs.
	Sept.27, 1909: At this cor.I set off 1° 35'S.on decl. arc; and at 11 h. 51 m.a.m.l.m.t.observe the sun on the meridian; the resulting lat.is 37° 13'N.
	N.0° 01'W.bet.secs.7 and 8,
	Ascending spur; very rough.
14.00	Top of spur, 200 ft.above sec.cor., bears E. and W.
	Descend; very rough.
26.40	Wash at foot of spur, 300 ft.below top, 20 lks.wide, 5 ft.deep, course W.
	Ascend.
30.50	Top of ascent on W.end of spur, 50 ft.above wash, projects W. Descend.
34.50	Wash, 60 ft.below top of ascent, 30 lks.wide, 3 ft.deep course W. Ascend.
40.00	Set an iron post 3 ft.long, 1 in.dia., 26 ins.in the ground, for 1/4 sec.cor., marked on brass cap, 1/4 S 7 in W.half, S 8 in E.half; and raise a mound of stone 2 1/2 ft.base, 2 ft.high W.of cor.
	Corner stands on S.slope of spur, 50 ft.above wash.
46.50	Top of spur, 150 ft.above wash, projects W.
	Descend.
51.00	Wash at foot of spur, 25 lks.wide, 3 ft.deep, course

Chains	
	. W. Ascend.
55.25	Top of spur, 150 ft.above wash, bears E. and W.
	Descend.
79.50	Wash at foot of spur, 200 ft.below top, 50 lks.wide, 4 ft.deep, course W. Ascend.
80.00	Set an iron post 3 ft.long, 2 ins.dia., 24 ins.in the ground, for cor.of secs.5,6,7, and 8, marked on brass cap,
	T 41 S S 6 in NW.
	R 12 W S 5 in NE.
	S 8 in SE., and
	S 7 in SW.quadrants; and raise a mound of stone 2 1/2 ft.base, 2 ft.high W.of cor.
	Land, mountainous, very rough.
	Soil, rocky; 4th rate
	Undergrowth scant shadscale.
	No timber.
	Mountainous land 80.00 chs. Sept.27, 1909.
	Sept.28: At 7 h. 21 m.a.m.l.m.t.I set off 37° 15'N.on lat.arc; 1° 53'S.on decl.arc; and determine a meridian with the solar at the cor.of secs.5,6,7, and 8,
	Thence I run
	East on a random line bet.secs.5 and 8,
40.00	Set temp. 1/4 sec.cor.
80.06	Intersect N. and S..ine at the cor.of secs.4,5,8, and 9. Thence I run
	West on a true line bet.secs.5 and 8,
	Over rolling mesa; through timber and sagebrush undergrowth.
30.00	Top of mesa bears N.10° E. and S.10° W.
	Timber becomes scattering; leave undergrowth.
	Descend abruptly over mesa; very rough.

SUBDIVISION OF T. 41 S., R. 12 W.

Chains.	
40.03	Set an iron post 3 ft.long, 1 in.dia., 26 ins.in the ground, for 1/4 sec.cor., marked on brass cap, 1/4 S 5 in N.half, S 8 in S.half; from which
	A cedar 6 ins.dia.bears N.44° E. 24 lks.dist. marked 1/4 S 5 B T
	A cedar 7 ins.dia., bears S.59° W. 32 lks.dist. marked 1/4 S 8 B T
	Corner stands on W.slope of mesa, 180 ft.below top.
46.00	Leave scattering timber, bears N. and S.
80.06	The cor.of secs.5,6,7, and 8.
	Land, rolling mesa and mountainous.
	Soil, sandy loam and rocky; 2d and 4th rate.
	Timber, scrub cedar and pinon pine.
	Undergrowth, sagebrush.
	Mountainous land 50.06 chs.
	Sept.28: At this cor.I set off 1° 59'S.on decl.arc; and at 11 h. 51 m.a.m.l.m.t.observe the sun on the meridian; the resulting lat.is 37° 15'N.

West between secs.6 and 7,

	Ascending along bank of wash; through undergrowth of shadscale.
2.25	Top of ascent, 20 ft.above sec.cor.
	Descend.
4.00	Wash, 20 lks.wide, 3 ft.deep, course NW.
	Ascend.
6.25	Top of spur, 40 ft.above wash, bears NW. and SE.
	Descend.
21.75	Wash, 20 lks.wide, 3 ft.deep, course NW.
	Thence along S.bank of wash.
40.00	Set an iron post 3 ft.long, 1 in.dia., 26 ins.in the ground, for 1/4 sec.cor., marked on brass cap, 1/4 S 6 in N.half, S 7 in S.half; and raise a mound of stone 2 1/2 ft.base, 2 ft.high N.of cor.

SUBDIVISION OF T. 41 S., R. 12 W.

Chains.	
	Cor.stands on N.bank of wash; thence over nearly level land.
59.50	Foot of spur, bears N. and S. Ascend.
78.25	Top of spur, 40 ft.above foot, bears N.75° W. and S.75° E. Descend.
84.63	Intersect W.bdy.of Tp. 1.91 chs.S.of the cor.of secs.1,6 7 and 12, which is a sandstone 20 x 6 x 6 ins.above grouhd, marked and witnessed as described by the surveyor general.
	Set an iron post 3 ft.long, 2 ins.dia., 24 ins.in the ground, for closing cor.of secs. 6 and 7, marked on brass cap,
	T 41 S in N.
	C C S 1 S 12 R 13 W in W.half,
	S 6 in NE.S 7 R 12W in SE.quadrants; and raise a mound of stone 2 1/2 ft.base, 2 ft.high E.of cor.
	I destroy all marks on the old cor.pertaining to secs. 6 and 7.
	Land, mountainous.
	Soil, gravelly and rocky; 3d and 4th rate.
	Undergrowth, shadscale.
	No timber.
	Sept.28, 1909.

	Sept.29: At 7 h. 20 m.a.m.l.m.t.I set off 37° 15' N.on lat.arc; 2° 16'S.on decl.arc; and determine a meridian with the solar at the cor.of secs.5,6,7, and 8.
	Thence I run
	N.0° 01'W.bet.secs.5 and 6,
	Ascending spur.
3.75	Top of spur, 50 ft.above sec.cor., bears E. and W. Descend.
17.25	Wash, 60 ft.below spur, 40 lks.wide, 3 ft.deep, course E.

SUBDIVISION OF T. 41 S., R. 12 W.

Chains	
	Ascend over hilly surface.
34.00	Top of ascent, 40 ft.above wash, bears E. and W.
	Thence on level.
38.00	Foot of spur, bears N.75° W. and S.75° E.
	Ascend; very rough.S.slope of spur.
40.00	Set an iron post 3 ft.long, 1 in.dia., 26 ins.in the ground, for 1/4 sec.cor., marked on brass cap, 1/4 S 6 in W.half, S 5 in E.half; and raise a mound of stone 2 1/2 ft.base, 2 ft.high W.of cor.
	Corner stands on S.slope of spur, 20 ft.above foot.
59.50	Top of spur, 300 ft.above 1/4 sec.cor., bears S.75° E. and N.75° W.
	Descend.
70.60	Enter few scattering cedars.
80.00	Top of ravine 350 ft.below top of spur, bears N.15° E. and S.15° W. Descend.
84.27	Intersect Eighth Standard Parallel South, 6.70 chs.E.of standard cor.of secs.31 and 32,heretofore described.
	Set an iron post 3 ft.long, 2 ins.dia., 24 ins.in the ground, for closing cor.of secs.5 and 6, marked on brass cap,
	C C T 40 S R 12 W S 31 S 32 in N.half,
	S 5 in SE., and
	S 6 in SW.quadrants; and raise a mound of stone 2 1/2 ft.base, 2 ft.high S.of cor.
	Corner stands on E.slope of ravine, 20 ft.below top, at foot of ledges 5 ft.high.
	Land, mountainous; very rough.
	Soil, rocky; 4th rate.
	Undergrowth shadscale.
	Timber, few scattering cedars.

Sept.29, 1909.

Ralph Emley
U.S.Deputy Surveyor.

GENERAL DESCRIPTION.

The portion of this township surveyed by us contains two varieties of land, small valleys and rough mountains.

The soil in the valleys, along the Virgin River, North Creek, Le Verkin Creek, and along some of the dry washes is a sandy loam and very fertile; with irrigation it will produce abundant crops.

The surface generally throughout the mountainous portions is very stony and rough, and in many places a smooth sandstone surface, which should be classed as 4th rate.

The valleys generally are covered with a growth of shadscale and sagebrush. The mountainous portions are covered with cedar and pinon pine timber; but it is so inaccessible and suitable only for fuel or fence posts.

The township is fairly well watered. The Virgin River in the southern portion, traverses the township from east to west. North Creek, a tributary of the Virgin River enters the township on the E.bdy.of sec.1 and flows southwesterly through secs.1,12,13,14, and 23. There are a number of small ranches along this stream producing nearly all the farm products except potatoes. Peaches, plums, apples, grapes, figs and watermelons are raised in abundance. Through

Throughout the valleys will be found about 1 inhabitant for each acre of cultivated land.

Mountain Dell, a small settlement in the SE 1/4 of sec.1, contains about 30 inhabitants, and seems to be prosperous considering the limited amount of land tilled.

Virgin City situated in SE 1/4 Sec.22 has about 200 inhabitants, 4 stores, telephone office, post office, church etc.

SUBDIVISION OF T. 41 S., R. 12 W.

There are a number of oil rigs located in this township; but only one, located near the south boundary of sec.12, that has produced oil. It produces about 4 barrels per day, which is said to be of very high quality, containing a large percentage of gasoline. This oil is used by a few of the other "rigs" as fuel, and very successfully. We found no trace of mineral in Tp.

This township furnishes feed in summer for many cattle; and in winter some sheep are grazed.

Robert E. L. Collins
Ralph Lentry
U.S.Deputy Surveyors.

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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 list of names and final oath of assistants see book "U", *Chainman.*

T. 43 S., R. 10 W. ....., *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

eneral for .....

....., *Chainman.*

....., *Chainman.*

....., *Moundman.*

....., *Moundman.*

....., *Axman.*

....., *Axman.*

....., *Flagman.*

.....

bscribed and sworn to before me this .....

day of ....., 19

SEAL

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BOOK A-353

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 ....., 19 , 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 oath of deputy see book "U" T. 43 S., R. 10 W.

..... 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.

.....
United States Deputy Surveyor.

Subscribed by said ....., and sworn to before me this ..... day of ....., 19

SEAL

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, June 9, 1910. xxx

The foregoing field notes of the survey of subdivision of Township 41 South, Range 12 West of the Salt Lake Base and Meridian, Utah,

executed by Robert E.L.Collier and Ralph Gentry under ~~his~~ their contract No. 310, dated March 20, 1909, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Thomas Bell
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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